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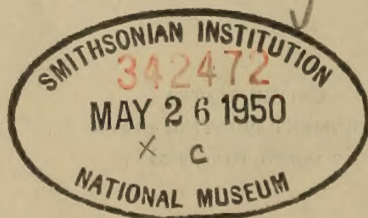
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PATENTS ISSUED

Patents.....	35,147—No. 2,457,797 to No. 2,492,943 ¹ inclusive.
Designs.....	4,451—No. 152,235 to No. 156,685 ² inclusive.
Reissues.....	118—No. 23,068 to No. 23,185 inclusive.
Plant Patents.....	93—No. 818 to No. 910 inclusive.

¹ Includes 16 withdrawn.

² Includes 1 withdrawn.



1949

LIST OF PATENTEEES

This list includes reissue patentees

Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice)

- AA Wire Products Co., assignee: *See*—
Muntwyler, Charles L., and Frank.
- A-B. Aerotransport, assignee: *See*—
Höfstrom, Bo N.
- A B C Packaging Machine Corporation, assignee: *See*—
Neal, Morris P.
- A. C. E. Machinery Limited, assignee: *see*—
Evans, Percy N.
- ACF-Brill Motors Company, assignee: *See*—
Flogaus, Howard A.
Latshaw, Elmer.
- A-G. Fuer Metallbearbeitung, assignee: *See*—
Schall, Egon.
- A-I Bit & Tool Company, assignee: *See*—
Yancey, John R.
- A P Parts Corporation, The, assignee: *See*—
Cope, Clifford L.
- A. R. D. Corporation, assignee: *See*—
Guelph, John D.
Valyi, Emerik I.
- A/S Thunes Mek. Vaerksted, assignee: *See*—
Firing, Wilhelm.
- A and Z Chain Company, assignee: *See*—
Dalo, John.
- Aagaard, Lelf, Amherst, Va., assignor, by mesne assignments, to American Cyanamid Company. Rutile seed manufacture. 2,488,755, Nov. 22.
- Aakjer, Jens J.: *See*—
Knochel, William J., and Aakjer.
- Aasland, Byron T.: *See*—
Zink, William L., Aasland, and Hauswirth.
- Aasland, John L., Moline, Ill., assignor to International Harvester Company. Slip clutch. 2,464,477, Mar. 15.
- Aasland, John L., Moline, Ill., assignor to International Harvester Company. Corn harvester. 2,480,209, Aug. 30.
- Aasland, John L., Moline, Ill., assignor to International Harvester Company. Stalk shredding device. 2,484,802, Oct. 18.
- Abate, Antonio G., Napa, Calif. Air intake means for carburetors. 2,489,945, Nov. 29.
- Abbey, Nelson D., Toledo, Ohio. Adjustable mechanism for tube mill rolls. 2,467,071, Apr. 12.
- Abbey, Nelson D., Toledo, Ohio. Tube clamping and severing machine. 2,484,601, Oct. 11.
- Abbiati, Furio A.: *See*—
Healy, John J., Jr., Taylor, and Abbiati.
- Abbot, Charles G., Washington, D. C. Solar heat collector. 2,460,482, Feb. 1.
- Abbott, Boyd R., Norristown, assignor to Armstrong Cork Company, Lancaster, Pa. Rotary molding machine. 2,481,486, Sept. 13.
- Abbott, Boyd R., Norristown, assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for making corkboard insulation and the like. 2,490,765, Dec. 13.
- Abbott, Boyd R., Norristown, assignor to Armstrong Cork Company, Lancaster, Pa. Making corkboard insulation and the like. 2,490,766, Dec. 13.
- Abbott, Charles G., Quincy, Ill. Reversible magneto testing device. 2,463,134, Mar. 1.
- Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Bobbin holder for spinning and twisting frames. 2,474,210, June 28.
- Abbott, Ernest J., L. W. Chaney, and E. B. Bragg, assignors to Physicists Research Company, Ann Arbor, Mich. Bearing testing device. 2,468,648, Apr. 26.
- Abbott, Frederick C., Barrington, N. J., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Stainless steel pickling. 2,488,108, Nov. 15.
- Abbott, Furman S., Montclair, N. J., assignor to Airkem, Inc., New York, N. Y. Vaporizer. 2,474,565, June 28.
- Abbott, Geoffrey J., Carshalton, England. Machine for slicing potatoes. 2,485,344, Oct. 18.
- Abbott, Henry H., Yonkers, and H. M. Bascom, New York, N. Y., and P. B. Fairlamb, Butler, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio Control system. 2,469,539, May 10.
- Abbott, Jerome, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Dry-plate rectifier unit. 2,474,809, July 5.
- Abbott, Jerome G., Red Bank, N. J. Frequency responsive relay. 2,485,548, Oct. 25.
- Abbott, Jerome G., Red Bank, N. J., assignor to The United States of America as represented by the Secretary of War. Alternator system. 2,486,377, Nov. 1.
- Abbott, John C., Fort Lee, N. J. Self-locking coin box. 2,475,441, July 5.
- Abbott, John E., Spring Valley, Calif. Cement block building wall. 2,484,062, Oct. 11.
- Abbott, John H., Los Angeles, and J. W. Anger, Maywood, assignors to Utility Appliance Corp., Los Angeles, Calif. Rotor. 2,470,966, May 24.
- Abbott Laboratories, assignee: *See*—
Fields, Mack R.
Kirchmeyer, Frederick J., and Card.
Larson, Lester.
Moore, Majorie B. and E. E.
Raiziss, George W., Severac, and Clemence.
Weston, Arthur W.
- Abbott Machine Company, assignee: *See*—
Abbott, Edward J.
- Abbott, Royal K., Jr.: *See*—
Kern, Edward A., and Abbott, Jr.
- Abbott, Ward D., Orchard Park, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High velocity motor ventilation. 2,457,967, Jan. 4.
- Abbott, Ward D., Orchard Park, N. Y., and F. C. Russell, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. All-around motor ventilation. 2,488,365, Nov. 15.
- Abbott, Ward D., Orchard Park, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor ventilation. 2,491,943, Dec. 20.
- Abbott, William G., Jr., Milford, N. H. Production of slivers of artificial fibers. 2,473,499, June 21.
- Abbotts Dairies, Inc., assignee: *See*—
Orrell, Joseph B.
- Abbrecht, Hermann R., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Filtration apparatus. 2,468,354, Apr. 26.
- Abbrecht, Hermann R., Shaker Heights, Ohio. Lubricating device. 2,470,386, May 17.
- Abegg & Reinhold Company, Ltd., assignee: *See*—
Abegg, Walter A.
- Abegg, Walter A., assignor to Abegg & Reinhold Company, Ltd., Los Angeles, Calif. Drill pipe spinning device. 2,488,107, Nov. 15.
- Abel, Logan F., assignor of one-third to C. P. McKinney and one-third to J. C. Barnard, Marlow, Okla. Drill pipe cleaner. 2,460,481, Feb. 1.
- Abeling, Raymond O., assignor of fifty per cent to J. Hirschak, Torrington, Conn. Moisture removing device for deep freezers. 2,462,705, Feb. 22.
- Abell, Frank, Inglewood, assignor of one-half to L. R. Stephens, Los Angeles, Calif. Bean straw separator. 2,468,708, Apr. 26.
- Abell, George W., assignee: *See*—
Humrichouse, Walter E. and D. B.
- Abell, Gurdon R., Jr., Poughkeepsie, N. Y. Gauge for measuring subatmospheric pressures. 2,458,759, Jan. 11.
- Abercrombie, Charles W., Bridgeport, Conn., assignor to Karen Products, Inc. Weighted relief valve. 2,467,716, Apr. 19.
- Abington Textile Machinery Works, assignee: *See*—
White, Charles E.
- Abner, Willard, Burbank, Calif. Tire tube tester. 2,458,126, Jan. 4.
- Abraham, Wayne G., East Hempstead, N. Y., assignor to The Sperry Corporation. Navigation system. 2,489,248, Nov. 29.
- Abraham, Wayne G., Garden City, N. Y., assignor to The Sperry Corporation. Signal detecting system. 2,478,734, Aug. 9.
- Abrahams, Armand J.: *See*—
Gorin, Manuel H., and Abrams.
- Abrahams, Irwin C., Syracuse, and D. E. Norgaard, Scotia, N. Y., assignors to General Electric Company. Keystone modulation system. 2,476,690, July 19.
- Abrahams, Mortimer, and G. Gould, Brooklyn, N. Y. Combination sound and visual reproduction apparatus. 2,491,944, Dec. 20.
- Abrahams, Morton, Yonkers, N. Y. Utilization of leather waste. 2,464,282, Mar. 15.
- Abrahamse, Henry L., and J. E. Hewitt, assignors to Abrams Instrument Corporation, Lansing, Mich. Automatic timer. 2,468,855, May 3.
- Abramovitch, Benjamin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of organic thiocyanates. 2,486,090, Oct. 25.
- Abrams, Albert: *See*—
Abrams, Samuel M., and Abrams.
- Abrams, Armand J., Dallas, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Geophysical prospecting method. 2,465,563, Mar. 29.
- Abrams, Armand J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Location of buried hydrocarbon deposits. 2,465,564, Mar. 29.

- Abrams, Armand J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Protection of heat transfer media. 2,485,542, Oct. 25.
- Abrams, Hardin T., assignor to Collins Radio Company, Cedar Rapids, Iowa. Tuning control and band switching arrangement. 2,469,941, May 10.
- Abrams Instrument Corporation, assignee: *See*—
Abrahamse, Henry L., and Hewitt.
- Abrams, Samuel M., and Albert, Brooklyn, N. Y. Sanitized shoe tree construction. 2,460,405, Feb. 1.
- Abramsen, Finn B.: *See*—
McConnell, William M., and Abramsen.
- Abramson, Abraham, New York, assignor to Raylite Electric Corp., Long Island City, N. Y. Decorative illuminated device and method. 2,468,283, Apr. 26.
- Abramson, Alvin A., assignor to Central States Paper & Bag Company, St. Louis, Mo. Container and making the same. 2,483,604, Oct. 4.
- Abramson, Alvin A., assignor to Central States Paper & Bag Company, St. Louis, Mo. Apparatus for manufacturing containers. 2,483,605, Oct. 4.
- Abrasive Dressing Tool Company, assignee: *See*—
Meyer, Erwin.
- Abrecht, William A.: *See*—
Friden, John H., and Abrecht.
- Abresky, William M., Stratford, Conn. Loop-taker for sewing machines. 2,491,022, Dec. 13.
- Abrey, John, and J. T. Munro, Honolulu, and J. T. Youd, Lanikai, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Pineapple crown trimming machine. 2,486,367, Oct. 25.
- Abruzzese, Albert E., assignor, by mesne assignments, to A. N. Crowfoot, Philadelphia, Pa. Glazier's tool. 2,487,291, Nov. 8.
- Abshire, Harold W., St. Louis, Mo. Gaseous discharge device. 2,465,414, Mar. 29.
- Accles & Pollock Limited, assignee: *See*—
Attwood, Percy G.
- Accuheat Electric, assignee: *See*—
Cornelius, Yngve R.
- Accurate Tool and Engineering Company, assignee: *See*—
Sherman, Wilbur G.
- Achee, A. E., assignee: *See*—
Seago, Tuggle.
- Achey, Norwood, Rossville, Ga. Sectional boiler. 2,469,253, May 3.
- Achorn Steel Company, assignee: *See*—
Johnson, Edward H.
- Achs, Nicholas, Detroit, Mich. Open-top refrigerated display case. 2,473,122, June 14.
- Achs, Nicholas, Detroit, Mich. Frost collecting apparatus for use on refrigerant evaporators. 2,475,466, July 5.
- Acieries de Gennevilliers, assignee: *See*—
Delachaux, Philippe C. J.
- Ackeret, Albert E.: *See*—
Eder, Vernon L., and Ackeret.
- Ackerly, Orville B., Jr., Piedmont, assignor to Oliver United Filters Incorporated, Oakland, Calif. Rotary drum filter. 2,472,558, June 7.
- Ackerman, Abe A., Freeland, Pa. Reflecting telescopic objective of the Cassegrainian type. 2,485,345, Oct. 18.
- Ackerman, Charles, Mechanicsburg, Ohio. Child's garment. 2,471,086, May 24.
- Ackerman, Dolletta M., Los Angeles, Calif. Posture system. 2,461,102, Feb. 8.
- Ackerman, Ernest A., Cleveland Heights, Ohio. Lamp having a lens for establishing an antiglare screen. 2,484,796, Oct. 11.
- Ackerman, Ernest A., Shaker Heights, Ohio. Socket for miniature bulbs and the like and mounting therefor. 2,470,280, May 17.
- Ackerman, Raymond C.: *See*—
Pingree, Raymond A., and Ackerman.
- Ackerman, Virgil D., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,488,697, Nov. 22.
- Ackermann, Franz: *See*—
Graenacher, Charles, and Ackermann.
Meyer, Jules, and Ackermann.
Meyer, Jules, Graenacher, and Ackermann.
- Ackermann, Otto, Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,476,791, July 19.
- Ackermans, John W. J., Detroit, Mich. Convertible top latching means. 2,486,905, Nov. 1.
- Ackles, Virgil E., Los Angeles, Calif., assignor to Doughnut Corporation of America, New York, N. Y. Glaze applying machine. 2,472,545, June 7.
- Ackley, Charles S., assignor to Thermactor Corporation, New York, N. Y. Electric heater for subsurface materials. 2,484,063, Oct. 11.
- Ackley, Paula M., Vineland, N. J. Convertible dress. 2,479,091, Aug. 16.
- Ackley, Robert A., assignor to Republic Flow Meters Company, Chicago, Ill. Ratio control device. 2,470,452, May 17.
- Acme Aluminum Alloys, Inc., assignee: *See*—
Cooper, Hugh S.
Cooper, Hugh S., and Tzvetcoff.
- Acme Staple Company, assignee: *See*—
Wampler, Melville E.
- Acme Steel Company, assignee: *See*—
Hoffert, Roy G.
Singley, Fred A.
Spiller, William R., and Barley.
- Acme Visible Records, Inc., assignee: *See*—
Rockwell, Lyle C.
- Acorn Designing Co., assignee: *See*—
Barrie, Arthur J., and Dwyer.
- Acosta, Jorge A., Fellsmere, Fla. Dispensing mount for collapsible tubes. 2,476,346, July 19.
- Acrotorque Company, The, assignee: *See*—
Guins, Sergei G.
Orshansky, Elias, Jr.
- Acrow (Engineers) Limited, assignee: *See*—
Clark, John A.
- Actiengesellschaft Joh. Jacob Rieter & Cie, assignee: *See*—
Mäder, Hermann.
Naegeli, Werner.
- Acton, Russel D.: *See*—
Messenger, Robert P., and Acton.
- Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Tractor-mounted pickup baler. 2,467,717, Apr. 19.
- Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Fertilizer spreader. 2,467,718, Apr. 19.
- Acton, Russel D., Chicago, Ill. Tractor-drawn implement turn responsive lifting and adjusting mechanism. 2,469,622, May 10.
- Acton, Russel D., Chicago, Ill. Tractor loader. 2,474,998, July 5.
- Acton, Russel D., Chicago, Ill. Sealing ring for centrifugal devices. 2,482,570, Sept. 20.
- Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Fertilizer spreader. 2,484,800, Oct. 18.
- Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Implement construction. 2,488,698, Nov. 22.
- Acton, Russel D., Chicago, Ill. Bale loader. 2,491,353, Dec. 13.
- Acton, Russel D., Chicago, Ill. Lift for implements. 2,491,354, Dec. 13.
- Adair, A. D., assignee: *See*—
Ragoss, Walter.
- Adair, Frank M., Berwyn, A. J. Brunner, Congress Park, and B. M. A. Trebes, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding. 2,460,964, Feb. 8.
- Adair, Newton J., Fresno, Calif. Musical instrument. 2,459,102, Jan. 11.
- Adair, Newton J., Fresno, Calif. Musical instrument. 2,459,103, Jan. 11.
- Adair, Paul F.: *See*—
Callahan, John T., Jr., Koemich, and Adair.
- Adam, Frank, Huntleigh Village, assignor to Frank Adam Electric Company, St. Louis, Mo. Bus duct. 2,482,310, Sept. 20.
- Adam, Frank, Electric Company, assignee: *See*—
Adam, Frank.
Schmelig, Nicholas J., and Green.
- Adam, Louis D., and N. G. Poplin, Ponca City, Okla., assignors to Pachner & Koller, Inc., Chicago, Ill. Fishing lure. 2,473,324, June 14.
- Adamczyk, Alojzy, New York, N. Y. Motor propelled toy vehicle. 2,461,672, Feb. 15.
- Adams, Albert E., Wells, assignor to Scopphony Limited, London, England. Apparatus for lapping part-spherical and similar surfaces. 2,465,702, Mar. 29.
- Adams, Anna H., administratrix: *See*—
Alger, Harry.
- Adams, Arthur A., Brookline, assignor to R. G. Morse, Marblehead, Mass. Micrometer caliper. 2,472,875, June 14.
- Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,464,283, Mar. 15.
- Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,470,086, May 17.
- Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Expandable chamber hydraulic motor with distributing valve in piston. 2,470,087, May 17.
- Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Control valve mechanism for fluid motors. 2,488,109, Nov. 15.
- Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic valve control mechanism. 2,491,355, Dec. 13.
- Adams, Cecil E., and E. H. Born, assignors to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,489,069, Nov. 22.
- Adams, Charles F.: *See*—
Stewart, Milford D., and Adams.
- Adams, Charles, Jr., Croton on Hudson, N. Y. Pipe fitting. 2,473,045, June 14.
- Adams, Charles, Jr., Croton on Hudson, N. Y. Pipe clamp. 2,473,046, June 14.
- Adams, Charles J., Park Ridge, assignor to American Phenolic Corporation, Chicago, Ill. Contact for multiple connectors. 2,477,849, Aug. 2.
- Adams, Charles J., Park Ridge, Ill. Socket contact. 2,488,652, Nov. 22.

- Adams, Charles R., Donavon, Saskatchewan, Canada. Top endgate. 2,457,857, Jan. 4.
- Adams, Charles R., Donavon, Saskatchewan, Canada. Endgate. 2,478,855, Aug. 9.
- Adams, Charles S., Holden, assignor to Rice Barton Corporation, Worcester, Mass. Papermaking machine. 2,473,269, June 14.
- Adams, Charles S., Holden, assignor to Rice Barton Corporation, Worcester, Mass. Cylinder mold papermaking machine. 2,473,270, June 14.
- Adams, Chester E.: *See*—
Schomaker, Bernard H., Adams, and Proell.
- Adams, Chester E., Highland, and D. E. Burney, Griffith, Ind., assignors to Standard Oil Company, Chicago, Ill. Oxo process. 2,464,916, Mar. 22.
- Adams, Clifford E., Wakita, Okla. Disk supporting jig while treating the edge of the disk. 2,473,407, June 14.
- Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. 2(4,4' bis dimethylaminobenzohydryl) 5 dimethylaminobenzoic acid. 2,458,328, Jan. 4.
- Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. Secondary amines of 3,3 bis(p-aminophenyl) phthalide. 2,474,084, June 21.
- Adams, Comfort A., assignor to The Budd Company, Philadelphia, Pa. Copper-coated magnetic steel yoke for welding apparatus. 2,479,053, Aug. 16.
- Adams, David, Detroit, Mich. Multiple cylinder engine of the multiple piston type. 2,473,268, June 14.
- Adams, David, Brookfield, assignor to Thor Corporation, Chicago, Ill. Motor mounting. 2,475,302, July 5.
- Adams, Douglas D., K. Rollius, and J. D. Risher, Canton, Ohio, assignors, by mesne assignments, of 76.89 per cent to R. E. MacKenzie and 23.11 per cent to L. V. Bockius. Continuously forming fibrous material. 2,486,091, Oct. 25.
- Adams, Earl W., Los Altos, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation. Pelletizing magnesium dust. 2,485,128, Oct. 18.
- Adams, Edward S., Phoenix, Ariz. Core material composition, mold core, and making mold cores. 2,487,207, Nov. 8.
- Adams, Floyd W., assignor to Los Angeles Paper Box Factory, Los Angeles, Calif. Apparatus for saturating fabrics. 2,462,297, Feb. 22.
- Adams, Frank, assignee: *See*—
Rader, Wendell P.
- Adams, Frederic H.: *See*—
Lecher, Hans Z., and Adams.
Orem, Henry P., Adams, and Goulding.
- Adams, Frederic H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Stabilization of printing pastes containing diazonium salts. 2,479,890, Aug. 23.
- Adams, Gail D., Jr., Champaign, assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Electronic induction accelerator apparatus and method. 2,473,123, June 14.
- Adams, George P., and G. E. Berggren, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously making vulcanized articles. 2,478,616, Aug. 9.
- Adams, Harold A., Bakersfield, and M. Eichelberger, Kernville, Calif., assignors to E. A. B. Incorporated. Fluid weighing system. 2,472,689, June 7.
- Adams, Harold B., Kansas City, Mo. Posthole digger attachment. 2,468,319, Apr. 26.
- Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Pump. 2,461,865, Feb. 15.
- Adams, Harold S.: *See*—
Worth, Arthur A., and Adams.
- Adams, Harriet E., San Antonio, Tex. Flower making machine. 2,482,823, Sept. 27.
- Adams, Harry R., Los Angeles, Calif. Toilet attachment. 2,466,144, Apr. 5.
- Adams, Hilda L., executrix: *See*—
Courter, Sherman A.
- Adams, Howard G., Mount Lebanon, Pa. Roofing. 2,488,887, Nov. 22.
- Adams, I. W., assignee: *See*—
Stevens, Milton J.
- Adams, James A., assignor to The Mine and Smelter Supply Company, Denver, Colo. Apparatus for controlling the feed to a mill in a grinding circuit. 2,491,466, Dec. 20.
- Adams, James B., Jr., Baltimore, Md., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Piezoelectric crystal holder. 2,482,451, Sept. 20.
- Adams, James B., Jr., Baltimore, Md., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Crystal holder. 2,484,004, Oct. 4.
- Adams, James F.: *See*—
Taylor, George E., and Adams.
- Adams, James R., Los Angeles, Calif. Reel and mechanism for inverse winding of motion-picture films. 2,481,708, Sept. 13.
- Adams, John M., Farley, Mass. Grinding and polishing machine. 2,477,358, July 26.
- Adams, Joseph H., assignee: *See*—
Moble, William R.
- Adams, Josiah W., Detroit, Mich. Beauty parlor rolling auxiliary chair. 2,471,183, May 24.
- Adams, Kenneth H.: *See*—
Doelling, George L., and Adams.
- Adams, Marshall B., Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Model demonstration set. 2,491,597, Dec. 20.
- Adams, Merrill L.: *See*—
Hearne, George W., and Adams.
- Adams, Mozel A., Evangeline, La. Salt shaker. 2,471,507, May 31.
- Adams, Mozel A., Rayne, assignor of one-half to C. V. Radke, Jennings, La. Dumping device for buckets. 2,482,829, Sept. 27.
- Adams, Mozel A., Rayne, La. Battery clamp. 2,487,917, Nov. 15.
- Adams, Paul R.: *See*—
Deloraine, Edmond M., and Adams.
- Adams, Paul R., Cranford, and D. H. Ransom, Montclair, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Line finder control circuit for communication systems. 2,492,344, Dec. 27.
- Adams, Pierrepoint, Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylated melamine-formaldehyde liquid compositions. 2,473,463, June 14.
- Adams, Ralph D., Inglewood, assignor of one-half to T. A. Feeney, Los Angeles, Calif. Tilttable bin. 2,459,301, Jan. 18.
- Adams, Ralph G., Hackensack, and J. H. Johnston, Paramus, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic electric regulating system. 2,485,346, Oct. 18.
- Adams, Robert J., and H. W. Lance, Washington, D. C. Antenna. 2,476,949, July 26.
- Adams, Roy L., and L. Zickrick, Schenectady, N. Y., assignors to General Electric Company. Making electrical contact elements. 2,465,051, Mar. 22.
- Adams, Senator W., Birmingham, Ala. Kitchen cabinet with table forming front. 2,471,508, May 31.
- Adams, Thomas J., Manitowoc, Wis. Wine bung. 2,486,237, Oct. 25.
- Adams, William C., assignor of twelve and one-half per cent to T. A. Hardin, twelve and one-half per cent to J. A. Hall, twelve and one-half per cent to G. C. Page, and twelve and one-half per cent to J. A. Parker, Dallas, Tex. Baseball score keeping device. 2,481,709, Sept. 13.
- Adams, William E., assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Bank depository. 2,480,685, Aug. 30.
- Adams, William H., Jr., and H. H. Lebach, assignors to Haveg Corporation, Newark, Del. Making furfuryl alcohol resinous products and the product. 2,471,600, May 31.
- Adams, William M., Los Angeles, Calif. Record stamper. 2,491,068, Dec. 13.
- Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Angular motion transmitting apparatus. 2,458,921, Jan. 11.
- Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Rotation rate change generator. 2,460,115, Jan. 25.
- Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Angular motion transmitting apparatus. 2,469,190, May 3.
- Adamson Machine Company, The, assignee: *See*—
Johnson, Wade C., Trishman, and Stratton.
- Adcock, Leonard H.: *See*—
Lock, Ritchie H., and Adcock.
- Addink, Nicolaas W. H., C. L. Boucher, C. de Lange, and J. Kramer, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustees. Reducing the leakage current in selenium rectifiers. 2,464,066, Mar. 8.
- Addink, Nicolaas W. H., and M. Hekelaar, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing selenium. 2,474,966, July 5.
- Addison-Semmes Corporation, assignee: *See*—
Petersen, Nels H.
- Addorisio, Patsy, Portchester, N. Y. Fire alarm system. 2,489,213, Nov. 22.
- Addressograph-Multigraph Corporation, assignee: *See*—
Brewster, Donald B.
Gruver, John H.
Janke, Edward J.
Sullivan, George R.
- Adduci, Raymond V., assignor to The United States Time Corporation, Waterbury, Conn. Alarm set and stop mechanism. 2,491,294, Dec. 13.
- Adel Precision Products Corp., assignee: *See*—
Paxton, Donald D.
Kremiller, Arthur E.
Walton, Arthur F.
- Adel Precision Products Corporation, assignee: *See*—
Kremiller, Arthur E.
Strid, Carl J., and Blake.
Van der Werff, Jacob B.
- Adelman, Julius, Outremont, Ontario, Canada. Belt turning apparatus. 2,480,207, Aug. 30.
- Adelson, David E.: *See*—
Hatch, Lewis F., Adelson, and Blackburn.
- Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Alkenyl 3-(alkenoxy)-alkanoates. 2,464,740, Mar. 15.

- Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,481,487, Sept. 13.
- Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricant. 2,489,249, Nov. 29.
- Adelson, David E., and Hans Dannenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymer of allyl glycolate and making same. 2,464,741, Mar. 15.
- Adelson, David E., and H. F. Gray, Jr., Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of polyallyl alcohols. 2,467,105, Apr. 12.
- Adelson, David E., and H. F. Gray, Jr., Berkeley, assignors to Shell Development Company, San Francisco, Calif. Acetal resins. 2,469,288, May 3.
- Adelson, David E., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Polyallyl type alcohols and production thereof. 2,473,124, June 14.
- Adelson, David E., and H. Dannenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polyallyl levulinate. 2,475,273, July 5.
- Adelson, David E., and H. Dannenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polyallyl naphthenate. 2,482,606, Sept. 20.
- Adiletta, Joseph G., New York, N. Y. Slide rule accessory. 2,469,221, May 3.
- Adkins, Bruce, Pharr, Tex. House moving apparatus. 2,472,932, June 14.
- Adkins, George, Portsmouth, Ohio. Drowning attachment for traps. 2,484,479, Oct. 11.
- Adkins, Harold M., North Hollywood, Calif. Supercharging the crankcase of two-cycle engines. 2,463,933, Mar. 8.
- Adkins, Ralph L., Stillwater, Minn. Bottle carrier. 2,467,106, Apr. 12.
- Adlake Company, The, assignee: *See*—Larson, Carl H.
- Adler & Adler, Inc., assignee: *See*—Fried, Edna B.
- Adler, Charles, Cincinnati, Ohio. Venetian blind. 2,471,710, May 31.
- Adler, Charles, Cincinnati, Ohio. Venetian blind. 2,480,992, Sept. 6.
- Adler, Charles, Cincinnati, Ohio. Venetian blind. 2,480,993, Sept. 6.
- Adler, Erich, Lidings, near Stockholm, Sweden, assignor to Hoffman-La Roche Inc., Nutley, N. J. Manufacture of 3,4-di-(p-hydroxy-phenyl)-hexadiene-2,4. 2,465,505, Mar. 29.
- Adler, Erich, Lidings, near Stockholm, and B. S. Hägglund, Stockholm, Sweden, assignors to Hoffman-La Roche Inc., Nutley, N. J. Bicyclic compounds and the manufacture of same. 2,485,549, Oct. 25.
- Adler, Howard, Flossmoor, Ill., assignor to Victor Chemical Works. Producing hexaethyl tetraphosphate. 2,462,057, Feb. 22.
- Adler, Max: *See*—Wintersteiner, Oskar, and Adler.
- Adler, Philip: *See*—Barton, Ralph, and Adler.
- Adler, Richard W.: *See*—Nathan, Jerome, and Adler.
- Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Phase modulation system. 2,460,965, Feb. 8.
- Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Communication system. 2,460,966, Feb. 8.
- Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Communication system. 2,465,827, Mar. 29.
- Adler, Solomon, Kew Gardens, N. Y. Extension leaf for sewing machines. 2,464,838, Mar. 22.
- Adler, Solomon, Kew Gardens, N. Y. Sewing-machine feed. 2,473,934, June 21.
- Adman, William C., New York, N. Y. Spool holder. 2,460,209, Jan. 25.
- Admiral Corporation, assignee: *See*—Carlson, Reuben C.
Fields, George.
Heidenblut, George R.
Redfield, George E.
- Adolph, Friedrich, Ljungby, Sweden, assignor by mesne assignments, to Vibro-Plus Corporation, New York, N. Y. Electric vibration motor. 2,480,825, Sept. 6.
- Adrianoff, Alexandre, Ixelles-Brussels, Belgium, vested in the Attorney General of the United States. Hearth for burning solid fuels. 2,484,064, Oct. 11.
- Adshead, Charles W., assignor of one-third to Chambon Limited, London, and one-third to Lakeland Laundries Holdings Limited, Barrow-in-Furness, Lancashire, England. Machine for applying heat-sealing or other adhesive tabs or labels to fabric and the like. 2,479,891, Aug. 23.
- Adsorptive Process Company, assignee: *See*—Smith, Arthur D.
- Advance Machine Company, assignee: *See*—Pond, Harold J., and Arones.
- Advance Manufacturing, Inc., assignee: *See*—Kirkpatrick, Henry O.
- Advance Solvents & Chemical Corporation, assignee: *See*—Mack, Gerry P.
- Advance Transformer Co., assignee: *See*—Epstein, Hirsch.
- Advertising Ingeniuties, Inc., assignee: *See*—Voges, Frederick.
- Aeolian Company, The, assignee: *See*—Calamari, Peter T., and Murdock.
- Aeppli, Albert, assignor to Maag-Zahnradler und Maschinen Aktiengesellschaft, Zurich, Switzerland. Gear planing machine. 2,479,287, Aug. 16.
- Aerial Products, Inc., assignee: *See*—Dwyer, Martin, and Edwards.
- Aero Supply Mfg. Co. Inc., assignee: *See*—Downey, George T.
Pain, Edwin F.
Suska, Charles R.
- Aeroil Products Company, Inc., assignee: *See*—Wollner, Paul.
- Aerojet Engineering Corporation, assignee: *See*—Geckler, Richard D.
Parsons, John W.
Queen, Roy L., and Hutchins.
Sutton, George P., Wolfe, and Widenmann.
Wheeler, Francis E., and Zola.
Zwicky, Fritz.
- Aeromat Products Company, Inc., assignee: *See*—Summerville, Donald V.
- Aeromotive Corporation, assignee: *See*—Gingrich, Walter.
- Aeronautical Research Corporation, assignee: *See*—Mallina, Rudolph F.
- Aeroquip Corporation, assignee: *See*—Buckle, Arthur A.
Burckle, Arthur A., and Christman.
Cox, Robert G., and Main.
Hurst, Peter F.
Main, Benjamin A., Jr.
Main, Benjamin A., Jr., and Brandau.
Main, Donald W.
Merriman, Henry H.
Smisko, John, and Zeeb.
Zeeb, Stanley H.
- Aerotec Corporation, The, assignee: *See*—Burdock, Joseph L., Best, and McBride.
Mejean, Jacques G.
Mejean, Jacques G., and Healy.
Watson, John E., and McBride.
- Aerovox Corporation, assignee: *See*—Gardner, Guy B.
Schmitt, Frank R.
- Aero Zipp Fasteners Limited, assignee: *See*—Engel, Erich.
- Aeschlimann, John A., Montclair, N. J., and A. Stempel, Brooklyn, N. Y., assignors to Hoffman-La Roche Inc., Nutley, N. J. Quaternary salts of carbanic acid esters of tertiary-hydroxybenzyl-amines. 2,485,550, Oct. 25.
- Aetna Ball & Roller Bearing Company, assignee: *See*—Rozner, Joseph J.
- Aetna-Standard Engineering Company, The, assignee: *See*—Rodder, William.
- Aff, Albert E., South San Francisco, Calif. Hot dog machine. 2,474,390, June 28.
- Affiliated Gas Equipment, Inc., assignee: *See*—Cerny, Joseph A., and Higley.
Davis, Keith T.
Hassmer, Wilford L., and Schlachter.
Higley, Frank R.
- Af Kleen, Nils E., Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Refrigeration. 2,461,262, Feb. 8.
- Africano, Alfred, Cumberland, Md., assignor to the United States of America as represented by the Secretary of the Navy. Electrical pressure gauge. 2,477,507, July 26.
- Africano, Alfred, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War. Adjustable rocket nozzle. 2,481,059, Sept. 6.
- Africano, Alfred, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War. Strip propellant for rocket projectiles. 2,488,154, Nov. 15.
- Agamate, Edward, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Weatherproof dispenser. 2,484,797, Oct. 11.
- Agency Electric Co., assignee: *See*—Walsh, Philip J.
- Aggt Manufacturing Company, assignee: *See*—Burd, Gorman C.
- Agett, Albert H.: *See*—Hull, David C., and Aggett.
- Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Motion transmission system. 2,464,544, Mar. 15.
- Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Computer device for solving trigonometric problems. 2,465,624, Mar. 29.
- Agins, George, assignor to Arma Corporation, Brooklyn, N. Y. Computer apparatus. 2,467,646, Apr. 19.
- Agner, Hugh R., Burlington, Wis. Fish rod holder. 2,465,565, Mar. 29.

- Agnew, Gordon J., Parma, and W. J. Russell, Sr., Seven Hills Village, Ohio. Portable laundry basket and foldable support therefor. 2,478,678, Aug. 9.
- Agresti, Vincent A., Rochelle Park, and G. W. Bogdanffy, C. O. Mitchell, and H. C. Uhlig, Clifton, assignors to Howe Machinery Company, Inc., Passaic, N. J. Yarn twisting apparatus and method. 2,492,778, Dec. 27.
- Agriculture, State Board of, The: See—
Lundahl, Walter S.
- Agriculture, United States of America as represented by the Secretary of, assignee: See—
Alexander, Kliem, and Schniepp.
Ambler, Joseph A., and Roberts.
Arthur, Jett C., Jr., Karon, Pomes, and Altschul.
Beckel, Arthur C., and Belter.
Boatner, Charlotte H., Hall, and Merrifield.
Burnett, Raymond S.
Campbell, Kenneth S., and Sands.
Connolly, Claire A.
Cowan, John C., and Teeter.
Croston, Clarence B., and Evans.
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.
Dimick, Keene P., Stubbs, Garibaldi, Lightbody, and Eskew, Roderick K.
Fevold.
Fein, Martin L., and Fisher.
Filachione, Edward M., and Fisher.
Fleck, Elmer E.
Fleck, Elmer E., and Haller.
Fraenkel-Conrat, Heinz L., and Olcott.
Gertler, Samuel I.
Graft, Morris M.
Guthrie, John D.
Haines, Paul G., Eisner, and Woodward.
Hamilton, Robert M., and Yanovsky.
Harker, David L.
Hellbach, Rudolph.
Homiller, Richard P., and Griffin, Jr.
Howard, Louis B., Ramage, and Rasmussen.
Jansen, Eugene F., Jang, and MacDonnell.
Johnson, Gestur, and Boggs.
Johnson, Gestur, and Guadagni.
Jones, Edwin P.
Kester, Ernest B.
Lathrop, Elbert C., and Aronovsky.
Lawrence, Ray V.
Leviton, Abraham.
Lineweaver, Hans, Jang, and Jansen.
Lineweaver, Hans, Klose, and Alderton.
Lockwood, Lewis B.
Lockwood, Lewis B., and Moyer.
Lundgren, Harold P.
MacLay, William D., and McCready.
Mann, Charles W.
Mast, William C., Rehberg, and Fisher.
Mast, William C., Smith, and Fisher.
McKennon, Forrest L., and Lawrence.
McKinney, Leonard L.
Mehlretter, Charles L., Rist, and Alexander.
Morris, Steward G., and Riemenschneider.
Moyer, Andrew J.
Nichols, Peter L., Jr., and Smith.
Ramage, William D.
Ramp, Russell M.
Reeves, Richard E., and Giddens.
Rehberg, Chessie E., and Fisher.
Reitz, Henry C.
Rusca, Ralph A.
Rusca, Ralph A., and Sens.
Sanderson, William J., and Westover.
Slotter, Richard L., and Tuomy.
Smith, Claude R.
Smith, Lee T.
Swenson, Theodore L.
Swern, Daniel.
Swern, Daniel, and Dickel.
Swern, Daniel, Scanlan, and Findley.
Teeter, Howard M., Scholfield and Cowan.
Tint, Howard, and Murray.
Treadway, Robert H.
Tsuchiya, Henry M., Van Lanen, and Langlykke.
Van Atta, George R., and Dietrich.
Ventre, Emil K.
Ward, Wilfred H., and Binkley.
Woodward, Charles F.
Woodward, Charles F., Howard, and Keil, and Weil.
Young, Ray C., and Brown.
- Agrillo, Charles S., Watertown, Mass. Draftsman's template. 2,478,071, Aug. 2.
- Agster, Melvin, Buffalo, and R. L. Terrill, Williamsville, assignors to Spencer-Kellogg and Sons, Inc., Buffalo, N. Y. Modifying castor oil. 2,484,328, Oct. 11.
- Ahier, Georges, and E. Touraton, Paris, France, assignors to International Standard Electric Corp., New York, N. Y. Neutrodyning for short waves. 2,471,401, May 31.
- Ahier, Jean, and J. Selz, Lyons, France, assignors to International Standard Electric Corporation, New York, N. Y. System for comparison of phase shift of electric quantities. 2,462,058, Feb. 22.
- Ahlbom, Anders S., Port Arthur, Tex. Means for heating viscous liquids in ship's tanks. 2,465,779, Mar. 29.
- Ahlburg, Desda, assignee: See—
Ahlburg, Frank, and Hunt.
- Ahlburg, Frank, Los Angeles, and E. H. Hunt, Huntington Park; said Ahlburg assignor to Desda Ahlburg, and said Hunt assignor to M. F. Jones, Los Angeles, Calif. Bag filling machine. 2,464,545, Mar. 15.
- Ahlif, Robert E.: See—
Marencik, William J., and Ahlif.
- Ahlstrand, Phillip M.: See—
McCandless, Edward L., Patch, and Ahlstrand.
- Ahrens, Charles R., Glendale, Calif. Convertible vehicle. 2,458,127, Jan. 4.
- Ahrens, Emmett F., Aitkin, Minn. Tree stand. 2,485,081, Oct. 18.
- Ahrens, George L., Scotch Plains, N. J., assignor to Standard Oil Development Company. Segregation of C₈ hydrocarbons by extractive and azeotropic distillation. 2,459,403, Jan. 18.
- Ahrens, John W., assignor to Swift & Company, Chicago, Ill. Packaging food products. 2,468,700, Apr. 26.
- Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Knife assembly and stripper for meat tendering machines. 2,472,800, June 14.
- Ahrndt, Arthur H., and P. H. Meyer, assignors to U. S. Slicing Machine Company, La Porte, Ind. Rotary disk knife. 2,472,876, June 14.
- Ahrndt, Arthur H., J. G. Krenzke, and H. Stukart, La Porte, Ind., assignors to U. S. Slicing Machine Company, Inc. Meat and bone saw. 2,492,824, Dec. 27.
- Aicardi, Joseph, Versailles, assignor to Sadir-Carpentier, Paris, France. Radio direction finder. 2,479,892, Aug. 23.
- Aicher, John O., Cleveland Heights, Ohio, assignor to General Electric Company. Coated lamp envelope and protecting the same. 2,476,649, July 19.
- Aichroth, Richard W., United States Navy. Ellipsograph. 2,468,017, Apr. 26.
- Aigner, G. J., Company, assignee: See—
Aigner, George J.
- Aigner, George J., assignor to G. J. Aigner Company, Chicago, Ill. Index strip holder. 2,480,686, Aug. 30.
- Aiken, Charles B., assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Phase selective signal transmission system. 2,483,718, Oct. 4.
- Aiken, James, Garden City, N. Y. Connecting rod mechanism for engines and pumps. 2,486,238, Oct. 25.
- Aiken, William R., Berkeley, Calif. Communication system. 2,468,911, May 3.
- Aikins, John R.: See—
Jacobson, Eugene W., Crezzi, and Aikins.
- Ainsworth, Arthur R., assignor to Cyc-Arc Limited, London, England. Electric arc stud welding apparatus. 2,479,092, Aug. 16.
- Ainsworth, Thomas H., Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Rail-way truck structure. 2,485,801, Oct. 25.
- Air Associates, Incorporated, assignee: See—
Kupiec, Harry P.
- Air Control Products, Inc., assignee: See—
Babcock, Kenneth L.
Leigh, Robert L.
- Air Controls Inc., assignee: See—
Schwarz, Gerald L.
- Airborne Conveyors Corporation, assignee: See—
Korn, Arthur H.
- Aircraft & Diesel Equipment Corporation, assignee: See—
Garday, Louis J.
- Aircraft Fueling Company, Inc., assignee: See—
Taylor, Charles S.
- Aircraft-Marine Products, Inc., assignee: See—
Broske, William F.
Carlson, Vernon E., and Freedom.
Paules, Lemon B.
Watts, William S.
- Aircraft Radio Corporation, assignee: See—
Drake, Frederick H.
- Drake, Frederick H., and King, Jr.
- Aircraft Tools, Inc., assignee: See—
Periman, Glenn W.
- Air Cruisers, Inc., assignee: See—
Boyle, James F.
- Airdesign, Incorporated, assignee: See—
Pamphilon, Leon E.
- Airkem, Inc., assignee: See—
Abbott, Furman S.
Nicolet, Constant S.
Wheeler, William H., and Wamnes.
- Air King Products Company, Inc., assignee: See—
Lobel, Seymour.
- Air-Maze Corporation, assignee: See—
Asad, Samuel C.
Brixius, Jacob K.
Glanzer, Clarence J.
Hanneman, Robert G.
SchAAF, Oliver H.
Walton, George M.
- Airoil Products Company, Inc., assignee: See—
Wollner, Paul.
- Airpath Instrument Company, assignee: See—
PHELPS, James O., and Cottrill.

- Air Preheater Corporation, The, assignee: *See*—
Karlsson, Per H., and Cooper.
Karlsson, Per H., and Jensen.
Yerrick, William D.
Yerrick, William D., and Vickland.
- Air Products, Incorporated, assignee: *See*—
Anderson, Carl R.
- Airquipment Company, assignee: *See*—
Conrad, Martin B.
Holmes, Tracy S.
- Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.
Anderson, Nelson E.
Begerow, Walter.
Bigwood, John A.
Blahut, Edwin R.
Crowe, John J.
Dennis, Wolcott.
Edinger, Fred S.
Gibson, Glenn J.
Hooper, Harry.
Hoover, Charles O.
Huff, Harry A., Jr.
Huff, Harry A., Jr., and Rooke.
Hughey, Howard G.
Hulme, Philip M.
Klinke, Henry O.
Rooke, Robert M.
Slottman, George V.
Smith, Donald L.
Smith, Stephen.
Thurnman, Oliver, Jr.
Tyrner, Joseph M.
Van Nuys, Claude C.
- Aitheson, Thomas G., Kenmore, and A. A. Gradisar,
Buffalo, N. Y., assignors to American Optical Company,
Southbridge, Mass. Pivotal mounting means for micro-
scope arms and the like. 2,474,644, June 28.
- Aitchison, Adam G., Larchmont, assignor to Food Ma-
chinery and Chemical Corporation, New York, N. Y.
Dry cleaning. 2,475,418, July 5.
- Aitken, James B., executor: *See*—
Nightingall, Victor C. J.
- Aitken, Roger G., Mount Royal, Quebec, and H. R. L.
Streight, Hamstead, Quebec, Canada, assignors, by
mesne assignments, to Canadian Industries Limited.
Decomposition of styphnic acid. 2,487,627, Nov. 8.
- Aitken, William J., Manitowoc, Wis. Electrical time
switch. 2,488,110, Nov. 15.
- Ajax Engineering Corporation, assignee: *See*—
Tama, Manuel, and Tama and Hoff.
Tama, Mario.
Tama, Mario, and Hoff.
- Ajax, Eric J.: *See*—
McLelland, William H., and Ajax.
- Ajon Research Corp., assignee: *See*—
Jones, George L., and L. W.
- Aked, Harry, Bexley Heath, assignor to David Brown &
Sons (Huddersfield), Limited, Huddersfield, England.
Reamer. 2,490,397, Dec. 6.
- Akerman, John D., Minneapolis, Minn. Transport airplane
with interchangeable cargo holding units. 2,463,346,
Mar. 1.
- Akerman, John D., Minneapolis, Minn. Aviator's pressure
vest. 2,467,364, Apr. 19.
- Akeroyd, Ewart I.: *See*—
Prescott, William G., Akeroyd, and Holmes.
- Akin, Frank, Dallas, Tex. Battery terminal. 2,462,453,
Feb. 22.
- Akkerman, Gerrit: *See*—
Kolvoort, Egbert C., and Akkerman.
- Akrit Industries, Incorporated, assignee: *See*—
Babajoff, Nicholas R.
- Akron Brass Manufacturing Company, Inc., assignee:
See—
Brubaker, William.
- Akron Standard Mold Company, assignee: *See*—
Kastner, Edward C.
- Aksomitas, William E., assignor to Hartford-Empire Com-
pany, Hartford, Conn. Apparatus for cooling hollow
glassware. 2,470,228, May 17.
- Aktiebolaget W. Dan Bergman, assignee: *See*—
Schreiber, Dag S.
- Aktiebolaget Elektrolux, assignee: *See*—
Bäckström, Sigurd M.
Bergholm, Harry K.
Bilde, Tord E. D.
Halldin, Carl O., and Bilde.
- Aktiebolaget Facit, assignee: *See*—
Carlstrom, Bengt, and Grip.
Grip, Erik.
Grip, Erik, and Toorell.
- Aktiebolaget Fr. Ranström, assignee: *See*—
Axelsson, Johan A.
- Aktiebolaget Götaverken, assignee: *See*—
Johansson, Johan E.
- Aktiebolaget Gotaverken, assignee: *See*—
Danielsson, Borje K., and Widing.
- Aktiebolaget Gylling & Co., assignee: *See*—
Zandelin, Fritz G., and Ingelström.
- Aktiebolaget C. E. Johansson, assignee: *See*—
Hallin, Karl E. E.
- Aktiebolaget Kamyr, assignee: *See*—
Richter, Johan C. F. C.
- Aktiebolaget Ljungmans Verkstader, assignee: *See*—
Eklund, Hans E.
- Aktiebolaget Manus, assignee: *See*—
Redin, Eric G., and Olander.
- Aktiebolaget Rosenblads Patent, assignee: *See*—
Lockman, Carl J.
- Aktiebolaget Separator, assignee: *See*—
Bjornstjerna, Curt R. A. M.
Eriling, Sven J.
Lindgren, Hans O.
- Aktiebolaget Separator-Nobel, assignee: *See*—
Engel, Bruno K., and Palmqvist.
Holm, Curt F., and Engel.
- Aktiebolaget Superior, assignee: *See*—
Hedman, Evert B.
Ortenblad, Sture J. W.
- Aktiebolaget Svenska Elektronror, assignee: *See*—
Schleimann-Jensen, Carl A., and Backmark.
- Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Ruist, John T.
- Aktiengesellschaft Adolph S., assignee: *See*—
Frei, Karl.
- Aktiengesellschaft Adolph Saurer, assignee: *See*—
Wiget, Georg.
- Aktiengesellschaft Brown, assignee: *See*—
Kocher, Hermann.
- Aktiengesellschaft Brown, Boverl & Cie, assignee: *See*—
Baltensperger, Paul.
Diebold, Eduard.
Dietler, Hans.
Eichenberger, Ernst.
Giger, Walter.
Goldstein, Alexander.
Hürlimann, Max.
Keller, Hans, Blatter, and Imobersteg.
Keller, Robert.
Kern, Erwin.
Meyer, Adolf.
Pfenninger, Hans.
Prati, Libero.
Seippel, Claude.
Stoecklin, Josef and Käch.
- Aktiengesellschaft Fuer Technische Studien, assignee:
See—
Keller, Curt.
Ruegg, Rudolf.
Villiger, Eugen.
- Aktieselskabet Esab, assignee: *See*—
Madsen, Karl K.
- Aktieselskabet Terraincosyndikat, assignee: *See*—
Boje, Jens A.
- Aladdin Industries, Incorporated, assignee: *See*—
Bramming, Carl.
Jacob, Frederick N.
- Alba, Ralph T.: *See*—
Wallerstein, James, and Alba.
Wallerstein, James S., Farber, and Alba.
- Alba, Ralph T., and J. S. Wallerstein, assignors, by mesne
assignments, to Wallerstein Company, Inc., New York,
N. Y. Clarifying and purifying vegetable beverages.
2,471,474, May 31.
- Albach, Frank, and G. R. Chervenka, assignors to The
Medart Company, St. Louis, Mo. Knockdown utility
cabinet. 2,483,606, Oct. 4.
- Alban, Clarence F., Pontiac, assignor to W. M. Chace
Company, Detroit, Mich. Thermostatic laminated
metal. 2,470,753, May 24.
- Albaugh, Frederic W., assignor to Union Oil Company of
California, Los Angeles, Calif. Well logging. 2,463,733,
Mar. 8.
- Alber, Myron D., Alexandria, Va. Folding machine.
2,470,754, May 24.
- Alberich, Felicia, Sunnyside, N. Y. Blouse with variable
neckline effect. 2,462,706, Feb. 22.
- Albero, Andrew, Pensauken, N. J. Holder for curtain
brackets. 2,479,452, Aug. 16.
- Albers, Gerhard H.: *See*—
Albers, John R. and G. H.
- Albers, John R. and G. H., Sioux City, Iowa, assignors to
Wincharger Corporation. Governor for wind-driven
propellers. 2,480,687, Aug. 30.
- Albert, Carl B., assignee: *See*—
Coney, James D., and Albert.
Larson, Kenneth R., and Bilz.
- Albert, Carl B., Milwaukee, Wis. Garment blocker.
2,484,805, Oct. 18.
- Albert, Harry E., assignor to The Firestone Tire & Rubber
Company, Akron, Ohio. Purification of phenol sulfides
and preparation of metallic salts thereof. 2,459,754,
Jan. 18.
- Albert, Harry E., assignor to The Firestone Tire & Rubber
Company, Akron, Ohio. Stabilized copolymer of buta-
diene and styrene. 2,476,821, July 19.
- Albert, Harry E., assignor to The Firestone Tire & Rubber
Company, Akron, Ohio. Tacky synthetic rubber com-
positions. 2,476,824, July 19.
- Albert, Harry E., assignor to The Firestone Tire & Rubber
Company, Akron, Ohio. Stabilization of GR-S, etc., with
a mixture of trialkylphenol and a stannous salt.
2,476,833, July 19.
- Alberti, Karl, Toledo, assignor to Lynch Manufacturing
Corporation, Defiance, Ohio. Molding and packaging
machinery. 2,484,005, Oct. 11.
- Alberti, Luis, Buenos Aires, Argentina. Machine for
fleshing and/or scraping hides. 2,480,994, Sept. 6.

- Alberti, Nicholas, Paw Paw, Mich., and G. A. Bronson, Santa Monica, Calif., assignors to Douglas Aircraft Company, Inc. Aircraft gun mount. 2,475,935, July 12.
- Albertoli, John, San Francisco, Calif. Can-marking device. 2,462,590, Feb. 22.
- Albertoli, John, San Francisco, Calif. Distributing conveyor system for oval cans. 2,488,888, Nov. 22.
- Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave modifying reflector. 2,472,782, June 14.
- Albertson & Company, Inc., assignee: *See*—Madsen, Jens A. W.
- Albertson, Noel F., East Greenbush, S. Archer, and C. M. Suter, Albany, assignors, by mesne assignments, to Winthrop-Stearns, Inc., New York, N. Y. Alkyl esters of α -acyl, α -acylamino, β (3-indole)-propionic acid. 2,468,912, May 3.
- Albertson, Noel F., East Greenbush, and S. Archer, Albany, assignors, by mesne assignments, to Winthrop-Stearns, Inc., New York, N. Y. Synthesis of amino acids. 2,479,662, Aug. 23.
- Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. Radio-frequency dielectric heater with constant heating rate control. 2,473,188, June 14.
- Albiswerk Zurich Aktiengesellschaft, assignee: *See*—Strub, Richard.
- Albizu, Luis G., Ponce, P. R. Clinical exercise table. 2,472,391, June 7.
- Albrecht, Alexander J.: *See*—Stobb, Anton, and Albrecht.
- Albrecht, Fritz, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Method and apparatus for flash welding. 2,469,707, May 10.
- Albrecht, Jacob W., Queens Village, assignor to Dictograph Products Company, Inc., New York, N. Y. Fire alarm switch. 2,469,024, May 3.
- Albrecht, Paul, Astoria, N. Y. Attachable brace and garment connector. 2,463,079, Mar. 1.
- Albright, Glenn, Detroit, Mich. Tractor drive mechanism. 2,474,085, June 21.
- Albright, Joseph C., Bala Cynwyd, Pa., assignor to The Davison Chemical Corporation, Baltimore, Md. Humidity analyzer. 2,464,546, Mar. 15.
- Albright, Robert B., assignor, by mesne assignments, to Philco Corporation, Philadelphia Pa. Variable resistance phonograph pickup. 2,471,601, May 31.
- Albritton, Etna J., Jackson, Miss. Sash lock. 2,491,701, Dec. 20.
- Alburger, James R., Los Angeles, assignor of one-half to I. R. Goshaw, Beverly Hills, Calif. Device for breaking up liquid droplets in a gas stream. 2,484,778, Oct. 11.
- Alcamo, Antonino, Brooklyn, N. Y. Dart marker for fabrics. 2,466,293, Apr. 5.
- Alco-Gravure Division of Publication Corporation, assignee: *See*—Wheldon, Theodore.
- Alco Valve Company, assignee: *See*—Dube, John E.
- Dube, John E., and Bower, MacDougall, Franklin M. Miller, Edward G., and Engberg.
- Alcock, John P., North Lancing, assignor to H. R. Ricardo, London, England. Heat exchanger. 2,469,758, May 10.
- Alcorn, Irwin W., Houston, Tex., and D. C. Bond, Northbrook, assignors to The Pure Oil Company, Chicago, Ill. Cementing earth bores. 2,469,353, May 10.
- Aldeborgh, Erik H., Poughkeepsie, and A. H. Emery, Wappingers Falls, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Bore gauge. 2,470,755, May 24.
- Aldeborgh, Erik H., Poughkeepsie, and A. H. Emery, Wappingers Falls, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Bore gauge. 2,472,139, June 7.
- Alden, Carroll R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic system. 2,460,440, Feb. 1.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Dual wheel assembly. 2,482,824, Sept. 27.
- Alden, Raymond M., Rockford, Ill. Plastic molding machine. 2,480,313, Aug. 30.
- Alder, Robert, and H. P. Kalmus, Chicago, Ill., assignors to Zenith Radio Corporation. Amplifier power supply. 2,476,174, July 12.
- Alderfer, Sterling W.: *See*—Trainer, James E., and Alderfer.
- Alderfer, Sterling W., and A. Bosshard, assignors to Andrews-Alderfer Processing Company Incorporated, Akron, Ohio. Manufacturing rubber thread. 2,481,060, Sept. 6.
- Alderman, William N., Chicago, Ill. Building heating system. 2,465,184, Mar. 22.
- Alderson, John W., Oakland, Calif., assignor to the United States of America as represented by the Secretary of War. Millivolt control unit. 2,459,784, Jan. 25.
- Alderson, Witty L., Jr., and J. A. Robertson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydrazonitriles from azines of butyl ketones. 2,469,358, May 10.
- Alderton, Gordon: *See*—Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.
- Lineweaver, Hans, Klose, and Alderton.
- Aldham, Thomas E., East Providence, R. I., assignor to Fram Corporation. Filter cartridge package. 2,469,025, May 3.
- Aldhiser, George S., II, assignee: *See*—Turner, Charles C.
- Aldon Products Company, assignee: *See*—Vars, Ethan W.
- Aldous, Earl B., Gansevoort, N. Y. Pneumatic vehicle suspension. 2,470,676, May 17.
- Aldredge, William L., Sr., Largo, Fla. Fish box for boats. 2,485,684, Oct. 25.
- Aldrich, Donald F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,473,838, June 21.
- Aldrich, John W., North Woodbury, assignor to Derby Sealers, Incorporated, Derby, Conn. Moistening device for tape-dispensing mechanisms. 2,490,939, Dec. 13.
- Alenius, Karl O., assignee: *See*—Lundqvist, Axel G., and Hjalmar.
- Alex, Ralph P., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Skin stressed laminated fiberglass rotor blade. 2,484,141, Oct. 11.
- Alexander, Arthur F., Cleveland, Ohio. Variable transmission. 2,464,841, Mar. 22.
- Alexander, Arthur F., Cleveland, Ohio. Screw driver. 2,472,392, June 7.
- Alexander, Arthur S., New York, N. Y. Rear-vision mirror for automobiles. 2,460,406, Feb. 1.
- Alexander, Benjamin H.: *See*—Hehlretter, Charles L., Rist, and Alexander.
- Alexander, Cletus B., Newcastle, Ind. Pencil vending machine. 2,462,298, Feb. 22.
- Alexander, Cletus B., New Castle, Ind. Pencil vending machine feed control. 2,468,649, Apr. 26.
- Alexander, Cruzan, Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovering hydrogen fluoride from an azeotropic mixture by crystallization. 2,458,044, Jan. 4.
- Alexander, Donald F.: *See*—Fish, Mortimer W., and Alexander.
- Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Low-voltage protective arrangement. 2,483,515, Oct. 4.
- Alexander, Donald K., Dolbeau, Quebec, Canada. Yeast treatment. 2,470,967, May 24.
- Alexander, Elisha E., Chicago, Ill. Elevator door and bridge. 2,473,125, June 14.
- Alexander, Elisha E., Chicago, Ill. Freight platform bridge. 2,473,126, June 14.
- Alexander, Elisha E., Chicago, Ill. Elevator bridge. 2,473,127, June 14.
- Alexander, Elisha E., Chicago, Ill. Elevator door bridge. 2,473,128, June 14.
- Alexander, Emmett L., and A. W. Braithwaite, assignors to The George E. Failing Supply Company, Enid, Okla. Portable drilling rig. 2,472,999, June 14.
- Alexander, Frank O., Genesee County, Mich. Beverage cooler. 2,464,111, Mar. 8.
- Alexander, Fred H. Combined knife holder and sharpener. 2,475,937, July 12.
- Alexander, Harry S., assignor to Keystone View Company, Meadville, Pa. Ophthalmic telebinocular with ortho trainer. 2,491,242, Dec. 13.
- Alexander, Jessie W., Sweetwater, Tex. Water cooler for refrigerators. 2,478,220, Aug. 9.
- Alexander, Jesse W., Birmingham, Ala. Concrete step mold. 2,489,607, Nov. 29.
- Alexander, Johan W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transmission line energy indicator. 2,467,648, Apr. 19.
- Alexander, John A., Berkeley, Calif. Combined table and desk for children. 2,468,856, May 3.
- Alexander, John B., San Diego, Calif. Cam-actuated grip-finger wrench. 2,478,996, Aug. 16.
- Alexander, Joseph, New York, N. Y. Package carrier and cord cutting device. 2,457,858, Jan. 4.
- Alexander, Klem, and L. E. Schniepp, Peoria, Ill., assignors to The United States of America as represented by the Secretary of Agriculture. 5,5'-dihydroxydiamyl ether. 2,467,798, Apr. 19.
- Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of titanium nitride. 2,461,018, Feb. 8.
- Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of zirconium nitride. 2,461,019, Feb. 8.
- Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of tantalum nitride. 2,461,020, Feb. 8.
- Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of metal nitrides. 2,467,647, Apr. 19.
- Alexander, Peter, H. Burrows, and P. D. Smith, assignors to Wolsey Limited, Leicester, England. Treatment of nylon and other yarns. 2,485,230, Oct. 18.
- Alexander, Peter, and J. W. Bell, assignors to Wolsey Limited, Leicester, England. Treatment of wool and the like. 2,485,250, Oct. 18.
- Alexander, Peter, assignor to Wolsey Limited, Leicester, England. Treatment of materials composed partly or wholly of wool or similar fibers. 2,470,453, May 17.

- Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of lithium amide and other metal compounds. 2,490,851, Dec. 13.
- Alexander, Robert F., assignee: *See*—Fricke, Howard M.
- Alexander, Robert O., assignor to Thiokol Corporation, Trenton, N. J. Polysulfide polymer and making. 2,469,141, May 3.
- Alexander, Verna C., Spartanburg, S. C. Sandal with pivoted-ring strap receivers. 2,469,708, May 10.
- Alexander, William J., Oakland, Calif. Collapsible hand truck. 2,490,189, Dec. 6.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Pulse echo apparatus for spotting shellfire. 2,463,233, Mar. 1.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Stabilizer for alternating current power transmission systems. 2,470,454, May 17.
- Alexanderson, Ernst F. W., Schenectady, M. A. Edwards, Scotia, and G. A. Hoyt, Schenectady, N. Y., assignors to General Electric Company. Follow-up control system. 2,473,235, June 14.
- Alexiadis, George A., Brookline, Mass. Antiskid tire. 2,467,418, Apr. 19.
- Alexiadis, George A., Brooklyn, assignor of fifty per cent to E. Benetos, Astoria, N. Y. Combination bottle and cap. 2,488,463, Nov. 15.
- Alfisi, Giuseppe, Springfield, Mass. Signaling mailbox. 2,471,919, May 31.
- Alfonso, Joseph, Bethlehem, Pa. Release nut. 2,491,543, Dec. 20.
- Alford, Andrew, Cambridge, Mass., and E. C. Barkofsky, Inyokern, Calif., assignors to the United States of America as represented by the Secretary of War. Servomechanism synchronizing system. 2,478,221, Aug. 9.
- Alford Limited, assignee: *See*—Kendall, John D., and Doyle.
- Alford, William H., Winston-Salem, N. C. Electrical splicer. 2,470,423, May 17.
- Alfreds, Torris H., Park Ridge, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Egg packing material. 2,483,607, Oct. 4.
- Alfvén, Hannes, and S. Eklund, assignors to L K B-Produktster Fabriks A.-B., Stockholm, Sweden. Voltmeter for high voltages. 2,464,428, Mar. 15.
- Alfvén, Hannes O. G., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Gaseous discharge tube. 2,478,446, Aug. 9.
- Algier, Allen P., Los Angeles, assignor to W. D. Foster, Glendale, Calif. Connecting means for pivoted rotary closures. 2,466,295, Apr. 5.
- Alger, Harry, Middletown, N. Y., A. H. Adams, administratrix of said H. Alger, deceased. Jackknife proof swivel coupling for tractor-trailer units. 2,485,251, Oct. 18.
- Alger, Theodore, New London, Iowa. Saw clamp. 2,479,147, Aug. 16.
- Alginate Industries Limited, assignee: *See*—Millatt, Edwin G.
Rose, Robert C.
- Algren Watch Findings Co., Inc., assignee: *See*—Greenberg, Charles B.
- Algren Watch Findings Company, Inc., assignee: *See*—Greenberg, Charles B.
- Alhéritière, Louis, Beau-Soleil, Melle, assignor to Les Usines de Melle (Société Anonyme), Saint-Leger-Melle, France. Producing acetaldol. 2,489,608, Nov. 29.
- Alikas, Nicholas, Plainville, Conn. Footrest. 2,461,622, Feb. 15.
- Alikonis, Justin J., assignor to Paul F. Beich Company, Bloomington, Ill. Making confectioneries. 2,459,908, Jan. 25.
- Alikonis, Justin J., assignor to Paul F. Beich Company, Bloomington, Ill. Making chocolate confectioneries. 2,465,828, Mar. 29.
- Alkan, Robert, Locust Valley, N. Y., assignor to Specialties, Inc. Remote control. 2,473,464, June 14.
- Alkin, Gerald T., Kiama, New South Wales, Australia. Clothes hanger. 2,473,408, June 14.
- All American Airways, Inc., assignee: *See*—Cotton, Robert B.
Schultz, Arthur B.
- Allan, Archibald F., Melrose Park, Pa. Lining metallic pipes, receptacles, or other containers. 2,491,467, Dec. 20.
- Allan, Archibald, Whitley Bay, and J. Small, Gateshead, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Spring-operated driving mechanism. 2,470,675, May 17.
- Allan, James W., Germiston, Transvaal, Union of South Africa. Making woven wire or screen netting. 2,467,072, Apr. 12.
- Allan, John, Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of synthetic resin molding compositions. 2,476,347, July 19.
- Allard, Arthur R., Drexel Hill, Pa. Key holder. 2,491,634, Dec. 20.
- Allard, Pierre J. M. T., Chantilly, France. Multiple wheel arrangement and suspension device therefor. 2,479,893, Aug. 23.
- Allard, Pierre J. M. T., Chantilly, assignor to Société Française de Construction de Bennes Automatiques, Persan (Seine-et-Oise), France. Operating mechanism for grabs. 2,486,544, Nov. 1.
- Allardice, Thomas B., Mountain Lakes, N. J. Liquid gauge glass for high-pressure service. 2,467,452, Apr. 19.
- All-Best Specialties Corp., assignee: *See*—Siegel, Harry.
- Allbright-Nell Company, The, assignee: *See*—Lundell, Alvin O.
- Allday, Henry, & Son (1922) Limited, assignee: *See*—Bain, Robert.
- All-Die, Inc., assignee: *See*—Wunder, Franz.
- Aldredge, Marshall H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,461,866, Feb. 15.
- Aldredge, Marshall H., Detroit, Mich., assignor to Thompson Products, Inc. Socket assembly. 2,470,205, May 17.
- Allegheny Ludlum Steel Corporation, assignee: *See*—Cooper, John H.
Kiefer, George C.
- Allegro, Joseph A.: *See*—Richeson, Sanford E., and Allegro.
- Allen, Adda M., Arlington, Va., and M. L. Van Evera, Washington D. C., assignors to Disposable Bottle Corp., Wilmington, Del. Nursing unit. 2,460,329, Feb. 1.
- Allen, Albert: *See*—Bradner, Mead, and Allen.
- Allen, Albert J., Brooklyn, N. Y. Maximum demand meter. 2,484,396, Oct. 11.
- Allen, Albert, Sharon, assignor to The Foxboro Company, Foxboro, Mass. Electric strain measuring device. 2,486,625, Nov. 1.
- Allen, Alfred W., Philadelphia, Pa. Aircraft sustaining rotor. 2,465,703, Mar. 29.
- Allen, Archie A., assignor to Kirsch Company, Sturgis, Mich. Curtain or drapery fixture. 2,469,098, May 3.
- Allen, Arthur C., assignor to Stewart-Warner Corporation, Chicago, Ill. Accelerator depressor. 2,465,183, Mar. 22.
- Allen, Bernard: *See*—Lopez, Rufino, and Allen.
- Allen, Calvin H. and M. E. Oakland, Calif., assignors to Colorphone, Inc. Decorative cover for telephone desk sets. 2,473,775, June 21.
- Allen, Calvin H. and M. E. Oakland, Calif., assignors to Colorphone, Inc. Decorative cover for telephone handpieces. 2,475,303, July 5.
- Allen, Charles C., River Forest, and J. J. Filling, Jr., Chicago, Ill.; said Filling assignor to said Allen. Automatic pacing system. 2,457,968, Jan. 4.
- Allen, Chester H.: *See*—Whiteside, Robert S., and Allen.
- Allen, Clarence W., San Francisco, Calif. Milling machine. 2,477,159, July 26.
- Allen, Clifton H., Denver, Colo., assignor to The Dorr Company, New York, N. Y. Sand scrubber. 2,477,948, Aug. 2.
- Allen, Duncan G., Houston, Tex. Dispenser. 2,488,254, Nov. 15.
- Allen, Dwight P., Birmingham, and R. Wise, Detroit, Mich., assignors to Thermoid Company, Trenton, N. J. Jettison fuel tank. 2,471,296, May 24.
- Allen Edward A.: *See*—Scott, James Y., Healy, and Allen.
- Allen, Edward K., Jr., assignor to Leland-Gifford Company, Worcester, Mass. Coolant device for tools. 2,491,635, Dec. 20.
- Allen, Edwin L., Cleveland Heights, assignor to Schontzer Products Company, Cleveland, Ohio. Door control mechanism. 2,480,688, Aug. 30.
- Allen, Elbert W., deceased, late of Belgium, Wis., by M. B. Allen, executrix, Belgium, Wis. Clinch plate. 2,480,689, Aug. 30.
- Allen, F. M., assignee: *See*—Porter, Edward.
- Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Discharge head. Re. 23,142, Aug. 23.
- Allen, Frank C., Jr., assignee: *See*—Barr, George.
- Allen, Frank R., Roxbury, Mass. Electrically controlled safety gate. 2,476,792, July 19.
- Allen, Frank R., Salt Lake City, Utah. Garment hanger. 2,476,524, July 19.
- Allen, Frank B.: *See*—Cabunc, Clarence N., and Allen.
- Allen, Gifford H., Hotchkiss, Colo. Cigarette case. 2,467,923, Apr. 19.
- Allen, Harry L., Philadelphia, Pa., and E. G. Kerr, Hadonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of resins from tar acids and oils obtained from coal tar distillates. 2,492,677, Dec. 27.
- Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Packing. 2,491,598, Dec. 20.
- Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Seal assembly. 2,491,599, Dec. 20.
- Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal for floating roof tanks. 2,490,767, Dec. 13.
- Allen, Joseph B.: *See*—Lee, William F., and Allen.

- Allen, Joseph W., Montclair, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical regulating system for motor-generators. 2,492,513, Dec. 27.
- Allen, Perry E., Pigeon, Mich. Protective closure for automobile gas tank fillers. 2,491,791, Dec. 20.
- Allen, Philip H., Orinda, Calif., and B. J. Chromy, Washington, D. C. Register. 2,492,345, Dec. 27.
- Allen, Thomas C., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Lime treated sabadilla seed insecticide. 2,491,468, Dec. 20.
- Alles, Francis P., Westfield, and W. R. Saner, North Plainfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic film elements. 2,491,023, Dec. 13.
- Alles, Gordon A., San Marino, Calif., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Vasoconstrictor composition. 2,464,284, Mar. 15.
- Allen, Grant, and R. Dahl, Fairview, Mont. Baby's nursing bottle. 2,469,489, May 10.
- Allen, Harold D.: *See*—
Varney, Kenneth W., and Allen.
- Allen, Harold D., Glen Rock, and J. D. Malkemus, Allendale, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of partial esters. 2,478,354, Aug. 9.
- Allen, Harold F., Dewitt, assignor to Allen Jigger Corporation, Syracuse, N. Y. Scrap removing device. 2,462,707, Feb. 22.
- Allen, Harold F., De Witt, assignor to S. F. Hancock, Syracuse, N. Y. Jiggering machine for forming articles of plastic clay. 2,474,509, June 28.
- Allen, Harold P., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control mechanism for clothes-drying apparatus. 2,463,934, Mar. 8.
- Allen, Harry L., Philadelphia, Pa., and E. G. Kerr, Hadonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Resinous reaction products. 2,460,724, Feb. 1.
- Allen, Henry B., and N. H. Smith, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of War. Protection of bore surfaces of guns. 2,465,962, Mar. 29.
- Allen, Henry G., assignor of one-half to H. Greenstein, Bridgeport, Conn. Safety attachment for automobiles. 2,483,358, Sept. 27.
- Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Seal assembly. 2,466,294, Apr. 5.
- Allen, James G., Uby, Mich. Door check and closer. 2,472,508, June 7.
- Allen, James S., and B. B. Rossi, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Detecting ionization. 2,485,469, Oct. 18.
- Allen Jigger Corporation, assignee: *See*—
Allen, Harold F.
- Allen, Joe G., assignee: *See*—
Cardinal, William E.
- Allen, John C., San Francisco, Calif. Nozzle holder. 2,464,958, Mar. 22.
- Allen, John F.: *See*—
Rudd, James B., and Allen.
- Allen, John L., San Diego, Calif. Tack driving tool. 2,475,936, July 12.
- Allen, John M., Sr., Mart, Tex. Equalizer spring equipment for automotive vehicles. 2,466,833, Apr. 12.
- Allen, John S., Montgomery, Ala. Collapsible handle for containers. 2,460,915, Feb. 8.
- Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Floating roof tank. 2,464,786, Mar. 22.
- Allen, Joseph W., Washington, D. C. Self-sealing vent cap. 2,457,800, Jan. 4.
- Allen, Joseph W., Washington, D. C. Generator regulation. 2,467,363, Apr. 19.
- Allen, Lee G., Memphis, Tenn. Window ventilator. 2,484,922, Oct. 18.
- Allen, Lyman H., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Production of anhydrous sodium sulfate. 2,482,830, Sept. 27.
- Allen, Martha C., Washington, Mo. Cord holder for electric irons. 2,488,255, Nov. 15.
- Allen, Mary E.: *See*—
Allen, Calvin H. and M. E.
- Allen, Mayne B., executrix: *See*—
Allen, Elbert W. and M. B.
- Allen, Perry E., Pigeon, Mich. Scuff pad for automobile fenders. 2,467,001, Apr. 12.
- Allen, Raymond P., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Apparatus for the treatment of fabrics. 2,472,057, June 7.
- Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Airplane landing gear. 2,459,737, Jan. 18.
- Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel raising and lowering mechanism for gun carriages. 2,476,825, July 19.
- Allen, Robert C., and C. C. Jordan, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Blading rotors and other elements. 2,475,772, July 12.
- Allen, Robert R., assignor to Custom Scientific Instruments, Inc., Arlington, N. J. Microtome blade holder. 2,461,621, Feb. 15.
- Allen, S. L., & Co., Inc., assignee: *See*—
Bowen, James M.
- Allen, Samuel, New York, N. Y. Slotted spectacle frame. 2,482,144, Sept. 20.
- Allen, Sidney J., and J. G. N. Drewitt, London, England, assignors, by mesne assignments, to Celanese Corporation of America. Production of basic linear polymers. 2,483,513, Oct. 4.
- Allen, Sidney J., London, J. G. N. Drewitt, Spondon, near Derby, and F. Bryans, Ilford, England, assignors to Celanese Corporation of America. Production of basic linear polyamides. 2,483,514, Oct. 4.
- Allen, Victor O., Madison, N. J. Nickel alloy and electrical resistor element made thereof. 2,480,432, Aug. 30.
- Allen, William D., Malvern, England. Flexible electromagnetic wave guide. 2,479,288, Aug. 16.
- Allen, William M., Glendale, assignor to Model Crafters Inc., Hamilton, Ohio. Spatula. 2,489,606, Nov. 29.
- Allender, Samuel S., assignor to The Harshaw Chemical Company, Cleveland, Ohio. Shipping tag. 2,486,726, Nov. 1.
- Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Pneumatic size gauge. 2,465,002, Mar. 22.
- Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Size gauging device. 2,477,399, July 26.
- Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device for piston rings and the like. 2,487,628, Nov. 8.
- Aller, Willis F., and D. H. McConnell, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device for piston rings and other objects. 2,487,629, Nov. 8.
- Allerton, Charles E., Morrisville, Pa. Locking device. 2,459,785, Jan. 25.
- Alles, Gordon A., Los Angeles, Calif. 5-crotyl-5-phenylbarbituric compounds. 2,479,148, Aug. 16.
- Alles, Gordon A., San Marino, and B. B. Wisegarver, South Pasadena, Calif., said Wisegarver assignor to said Alles. Alkylxy benzyl pyridinium compounds. 2,477,850, Aug. 2.
- Alley, Gordon T.: *See*—
Murray, William A., and Alley.
- Allgoewer, Albert J.: *See*—
MacInnes, Duncan A., and Allgoewer.
- Alliance Manufacturing Company, The, assignee: *See*—
Boyd, Wilton E., Jr.
Hardie, James B.
Schneider, Emmor V.
- Allie, Lloyd C., assignor to Duluth Manufacturing & Galvanizing, Inc., Duluth, Minn. Swinging seesaw. 2,488,889, Nov. 22.
- Allied Appliance Co.: *See*—
Lovick, John B.
- Allied Chemical & Dye Corporation, assignee: *See*—
Allen, Harry L., and Kerr.
Anderson, Carl I.
Brandon, George E.
Bratton, Francis H., and Weimann.
Calfee, John D., and Bratton.
Calfee, John D., and Florio.
Calfee, John D., and Pearson.
Calfee, John D., and Smith.
Cosby, John N.
Davis, George A.
De Benneville, Peter L.
De Végvár, Géza E. N.
Engel, Karl H.
Erchak, Michael, Jr.
Exum, Raymond E.
Flett, Lawrence H.
Fleysher, Maurice H.
Fricke, Edwin F.
Gould, David F.
Greene, Richard B.
Guthrie, Thomas and Evans.
Gwynn, Marion H.
Herr, Benjamin F., Jr.
Horst, Roy A.
Houghton, Augustus S., and Lowdermilk.
Huber, Francis C.
Iamarino, Joseph M., and Helen M.
Keene, Paul A.
Larrison, Millard S.
Lind, Charles J., and Witte.
Martin, Andrew J.
McCann, Harold G.
McCann, Harold G., and Townend.
Meath, William B.
Merriam, Henry F.
Miller, Charles B., and Bratton.
Ogilvie, James.
Pearson, John H., and Segool.
Strouse, George C.
Teeters, Wilber O.
Tiddy, William.
Watson, William E., and Glenn.
West, Theo J.
West, Theo J. and J. P.
Wethly, Frans.
Wilder, Richard S.
Wilputte, Louis, and Wethly.
Witte, Michael.
Witte, Michael, and Welge.

- Allied Control Company, Inc., assignee: *See*—Austin, Kirby B.
- Allied Electric Products, Inc., assignee: *See*—Weisberg, Sidney M.
- Allied Laboratories, Inc., assignee: *See*—Craige, Arthur H., Jr., and Kleckner. Winnek, Philip S. Winnek, Philip S., and Bockstahler. Winnek, Philip S., and Faith.
- Allied Mills, Inc., assignee: *See*—Chapin, Chester W. Singer, Philip A., and Deobald.
- Allied Plastics Company, assignee: *See*—Crane, Walton B. Treiman, Morris.
- Allied Shoe Machinery Corp., assignee: *See*—Perri, Angelo.
- Alliger, Glen, Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. N-monochlorocyclohexylamine. 2,459,759, Jan. 18.
- Allin, Frederick R., Euclid, and F. D. Wyss, Cleveland Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Trailer hand control for power brakes. 2,461,712, Feb. 15.
- Allingham, Wilber J., Denver, Colo. Preservative coatings for foods. 2,470,281, May 17.
- Allington, George H., assignor to The Weiman Company, Rockford, Ill. Engine shipping case. 2,460,797, Feb. 8.
- Allis-Chalmers Manufacturing Company, assignee: *See*—Allen, Robert C., and Jordan. Altorfer, Hans A. Bloom, Merle W., and Whisler. Borek, John J., and Zarem. Cobb, Carroll E., De Windt, and Weitlauf. Durand, Samuel R. Dustman, Herman C. Ferguson, Rector C. Flamm, Thomas J. Halter, Allan C. Herziger, William J. Jansson, Gustav E. Johnson, John A. Johnson, John A., and Kenney. Johnston, Gorman J. Journeaux, Didier. Kelle, Arthur C. Krause, Erwin W. Lerstrup, Karl. Lincoln, Charles S. Lipe, Bruce R., and Schroeder. Marti, Othmar K. Marti, Othmar K., and Steinberg. McAtrn, Donald G., and Cook. McCoy, James P. A. Meyer, Walter A. Mikolic, Charles R. Montgomery, Terry B., and Bloodworth. Montgomery, Terry B., and Reichert. Otto, Eugene J. Ray, James L. Richter, Walther. Ring, Joseph J. Ringland, William L. Rockwood, Charles H. Roubal, Alexander J. Schick, Frederick A. Scranton, Charles J. Scranton, Charles J., and Harrer. Sealey, William C. Shaw, Ernest C. Shaw, Melvin C. Singer, Marshall R. Taylor, Philip L. Verch, George O. Volgovskoy, Boris, and Halter. Weilbaecher, Chester O. Winograd, Harold. Zarem, Abe M., and Weinhold.
- Allis, Louis, Company, The, assignee: *See*—Mollenhauer, Clarence R.
- Allison, Andrew, assignor to Chance Brothers Limited, Smethwick, near Birmingham, England. Dynamoelectric machine. 2,463,936, Mar. 8.
- Allison Company, The, assignee: *See*—Allison, Hugh V.
- Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Abrasive tube drill means. 2,459,122, Jan. 11.
- Allison, Kenneth C., Crystal Lake, and E. P. Herrick, Palatine, assignors to Grigsby-Allison Company, Inc., Arlington Heights, Ill. Electric switch assembly. 2,474,999, July 5.
- Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train carried cab signal apparatus. 2,462,454, Feb. 22.
- Allison, Ralph E., assignor to Patent Management, Incorporated, Minneapolis, Minn. Audiometer for air and bone conducting receivers having a scale with a single zero hearing loss reference. 2,471,136, May 24.
- Allison, Rufus K., Birmingham, Ala., assignor to Food Machinery and Chemical Corporation. Liquid sulfur dioxide solvent process for making olefin nitrosochlorides. 2,485,180, Oct. 18.
- Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—Arnemo, Helge. Böckman, Marius. Forwald, Haakon. Gudmundsson, Erik. Gynt, Sven. Hansen, Johannes. Hedstrom, Sven-Eric, and Lamm. Hedstrom, Sven Eric, and Soderholm. Krabbe, Ulrik. Krabbe, Ulrik H. Lamm, Uno. Malmberg, Tore G. Persson, Gunnar J. Schmidt, Wilhelm G. Sjöberg, Nils. Stalhane, Bertil. Thielers, Nils G. Törnros, Eugen.
- Alloy Cast Steel Company, The, assignee: *See*—Welch, Cline H.
- Allquist, John W., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Washing cellulose. 2,472,877, June 14.
- Allred, George W., Mayodan, N. C. Abrasive tool. 2,463,234, Mar. 1.
- Allred, George W., Mayodan, N. C. Abrasive tool. 2,489,250, Nov. 29.
- Allshouse, Harlow E.: *See*—Buttner, William C., and Allshouse.
- Alltoys Limited, assignee: *See*—Fassett, Thomas W.
- Allwein, Aloysius F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure measuring instrument. 2,484,541, Oct. 11.
- Allyn, Welch, Inc., assignee: *See*—Allyn, William N.
- Allyn, William N., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Retinoscope. 2,464,547, Mar. 15.
- Allyn, William N., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Battery handle connector. 2,469,857, May 10.
- Alm, Bernard G.: *See*—Amberg, Walter E., and Alm.
- Alm, Einar E., Stockholm, Sweden. Lubricating spacebands. 2,490,568, Dec. 6.
- Alma, Gerrit H. P.: *See*—Van Overbeek, Adrianus J. W. M., Alma, and Klöpping.
- Alma, Gerrit H. P., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable transconductance amplifying circuit. 2,490,569, Dec. 6.
- Almasi, Ludwig, New York, N. Y. Bowling game ball projector. 2,473,087, June 14.
- Almasy, George W., Burbank, Calif., assignor to General Electric Company. Protective arrangement for electric power systems. 2,483,117, Sept. 27.
- Almco, Incorporated, assignee: *See*—Cook, Ernest E., and Sadler.
- Almdale, Einar, Rocky River, assignor to The Midland Steel Products Company, Cleveland, Ohio. Electrically welding box sections. 2,467,516, Apr. 19.
- Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Reducing corrosion. 2,463,010, Mar. 1.
- Almond, John R., assignor to The Midland Steel Products Company, Cleveland, Ohio. Power unit for hydraulic brakes. 2,467,517, Apr. 19.
- Almond, John R., assignor to The Midland Steel Products Company, Cleveland, Ohio. Door operating fluid motor system. 2,485,252, Oct. 18.
- Almquist, Herman J., and J. G. Davis, Berkeley, assignors to F. E. Booth Company Inc., San Francisco, Calif. Amino acid extraction. 2,471,053, May 24.
- Almquist, Nils T., New Britain, assignor to The Grelst Manufacturing Company, New Haven, Conn. Button-hole attachment for sewing machines. 2,482,607, Sept. 20.
- Almquist, Nils T., assignor to Landers, Frary & Clark, New Britain, Conn. Counterbalance means for oven doors. 2,492,084, Dec. 20.
- Almy, Emory F.: *See*—Otting, Herbert E., Chrysler, and Almy.
- Almy, Emory F., Columbus, Ohio, and M. E. Hull, La Grange, Ill., assignors to M & R Dietetic Laboratories, Inc., Columbus, Ohio. Making low-ash crude lactose. 2,467,453, Apr. 19.
- Almy, Emory F., and O. F. Garrett, Columbus, Ohio, assignors to M & R Dietetic Laboratories, Inc. Preparation of high-grade crude lactose. 2,477,558, Aug. 2.
- Almy, Ernest G., assignor to Atlas Powder Company, Wilmington, Del. Production of dry sorbitol. 2,483,254, Sept. 27.
- Alofs, Herman G., assignor to Alofs Manufacturing Company, Grand Rapids, Mich. Utility garment hanger. 2,459,909, Jan. 25.
- Alofs Manufacturing Company, assignee: *See*—Alofs, Herman G.
- Alois, Frank J., and R. W. Samsel, Schenectady, N. Y., assignors to General Electric Company. Enclosure for vibratile elements. 2,480,535, Aug. 30.

- Alpak, assignee: *See*—
Crane, Walton B. and W. B., Jr.
Alperin, Louis I., Scranton, Pa. Safety reversible window. 2,491,792, Dec. 20.
Alpern, Dwight K., New York, H. M. Freyberg, Scarsdale, N. Y., and W. H. Hawkins, Stamford, Conn., assignor to Freyberg Bros.-Strauss, Inc., New York, N. Y. Apparatus for drying filaments. 2,483,378, Sept. 27.
Alpert, Daniel, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Concentric line cavity resonator device. 2,482,452, Sept. 20.
Alquist, Francis N., and C. W. Hopkins, assignors to The Dow Chemical Company, Midland, Mich. Acid cleaning composition. 2,474,179, June 21.
Alic, Gustave C. A., Troyes, France. Manufacturing knitted fabric. 2,480,894, Sept. 6.
Alrose Chemical Company, assignee: *See*—
Beer, Leo.
Weisberg, Mark, Stevenson, and Beer.
Alsop, Ernest A., and H. V. King, Melbourne, Victoria, Australia. Clothspin. 2,460,162, Jan. 25.
Alsop, William G., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of diglycerol. 2,487,208, Nov. 8.
Alstrom, Albert I.: *See*—
Brownlee, Allen L., and Alstrom.
Alsop, William H., Jackson, Miss. Countersink attachment for drills. 2,475,812, July 12.
Alt, Anne, Compton, Calif. Brassiere. 2,469,623, May 10.
Altamore, Sebastian, Maspeth, N. Y. Recirculating system for gas fired ovens. Re. 23,141, Aug. 16.
Altar, William: *See*—
Vaughan, Sam G., Grant, Altar, and Dodd.
Altenberg, Orville L., Long Beach, Calif. Instrument for detecting strain in translucent materials. 2,457,799, Jan. 4.
Altenpohl, William F., Philadelphia, Pa. Automatic weighing and sorting machine. 2,471,711, May 31.
Alter, Harry, Company, The, assignee: *See*—
Cahenzli, Martin T., Jr.
Alterio, Eugene, New York, N. Y. Rotary engine. 2,458,128, Jan. 4.
Altfather, Conrad T., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Constant-speed electric motor. 2,473,839, June 21.
Altgelt, Herman E., South Bend, Ind., assignor to The Oliver Corporation. Hay loader. 2,478,072, Aug. 2.
Althouse, James M., Dayton, Ohio, and M. A. McAdams, Minneapolis, Minn., assignors to the United States of America as represented by the Secretary of War. Radio remote-control system. 2,490,768, Dec. 13.
Althouse, William S., Jr., Alhambra, and E. Graham, Jr., Los Angeles, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well cementing device. 2,471,382, May 24.
Althouse, William S., Jr., Alhambra, and E. Graham, Jr., Los Angeles, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well cementing device. 2,471,383, May 24.
Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Four-component objective for micro-copying cameras. 2,475,938, July 12.
Altman, Fred E., and C. J. Melech, assignors to Eastman Kodak Company, Rochester, N. Y. High-aperture copying lens system. 2,481,639, Sept. 13.
Altman, Larry: *See*—
Bleier, Arthur, and Altman.
Altman, Max S., and F. A. Pettis, Buffalo, N. Y.; said Pettis assignor to said Altman. Toaster. 2,486,906, Nov. 1.
Altmayr, Frank, assignor to Willard Storage Battery Company, Cleveland, Ohio. Detachable battery cover clamp. 2,464,842, Mar. 22.
Alton Box Board Company, assignee: *See*—
Hollis, Robert F.
Alton, George G.: *See*—
Boyden, Robert E., and Alton.
Altorf, Hans A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine construction. 2,470,126, May 17.
Altovsky, Vladimir, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electric wave transmission system. 2,465,341, Mar. 29.
Altschul, Aaron M.: *See*—
Arthur, Jett C., Jr., Karon, Pomes, and Altschul.
Aluise, Robert R., Williamsburg, Pa. Removable and reusable key for extracting contents from collapsible tubes. 2,467,719, Apr. 19.
Aluminum Company of America, assignee: *See*—
Cook, Mark F.
Davis, Le Roy W.
Derfer, Frank.
Heilman, William B., and Short.
Hopkins, Robert L.
Hunsicker, Harold Y., and Kempf.
Marsh, Kirtland.
Mason, Ralph B.
McArthur, Bruce E., Bohn, and Wagner.
McLean, Daniel C., Morrow, and Fox.
Menking, Heinz.
Miller, Mike A., and Haupin.
Newsome, James W., and Van Cleve.
Peterson, Warren S., and Willmore.
Shawcross, Orry L.
Smith, Arthur D.
Thompson, Jason F.
Aluminum Folding Crutch Company: *See*—
Kraska, Reinhold M.
Aluminum Goods Manufacturing Company, assignee: *See*—
Hansen, Harold, and Seefeldt.
Aluotto, Antonio, Brooklyn, N. Y. Baling press. 2,476,574, July 19.
Alvarez, Luis W., Berkeley, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Communication system. 2,479,195, Aug. 16.
Alvarez, Luis W., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio distance and direction indicator. 2,480,208, Aug. 30.
Alvarez, Octavio J.: *See*—
Fulton, Robert E., Jr., and Alvarez.
Alvarez, Octavio J., New York, N. Y. Electrical piano. 2,486,545, Nov. 1.
Alvarez, Octavio J., assignor to Alvarez Patent Corporation, New York, N. Y. Syringe. 2,487,630, Nov. 8.
Alvarez Patent Corporation, assignee: *See*—
Alvarez, Octavio J.
Alvau, Frank M., Maryhill, Wash. Animal trap. 2,475,467, July 5.
Alvaur, Victor, Clifton, N. J. Keg closure. 2,462,930, Mar. 1.
Alves, Manuel S., Mount Shasta, Calif. Bale and sack loader. 2,480,392, Aug. 30.
Alvey, Glenn H., San Antonio, assignor to Uvalde Rock Asphalt Company, Bexar County, Tex. Continuous method and apparatus for producing plastics. 2,478,885, Aug. 9.
Alvik, Harold, and G. S. De Huff, Los Angeles, Calif. Retractable anchor. 2,476,348, July 19.
Alvin, Walter C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Making tool parts. 2,459,910, Jan. 25.
Alvos, Dell, Guadalupe, Calif. Preservation of fruits and vegetables. 2,470,424, May 17.
Alwart, Harold J.: *See*—
Mark, Clayton, Jr., Hula, and Alwart.
Amacker, Thad M., Baton Rouge, La., assignor to The B. F. Goodrich Company, New York, N. Y. Chlorination of phthalic anhydride. 2,460,564, Feb. 1.
Amacker, Thad M., Baton Rouge, La., assignor to The B. F. Goodrich Company, New York, N. Y. Vapor phase chlorination of phthalic anhydride. 2,460,565, Feb. 1.
Amaducci, Mario, Martinez, Calif. Combination folding chair and table. 2,483,309, Sept. 27.
Amalgamated Wireless (Australasia) Limited, assignee: *See*—
Boadle, Ronald D.
Bocking, Shirley A.
Curran, Lionel K.
Lott, Stanley A.
McBain, Ian N.
Rudd, James B. and Allen.
Vale, Keith R., and Benson.
Amalgamated Wireless (Australia) Limited, assignee: *See*—
Rudd, James B.
Amatel, Harold, Glendale, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Container for and wrapping irregular objects. 2,479,453, Aug. 16.
Ambarcumian, Michael: *See*—
William, Harrison J., and Ambarcumian.
Amberg, Lyle O., assignor to Hercules Powder Company, Wilmington, Del. Floor tile composition. 2,490,247, Dec. 6.
Amberg, Lyle O., assignor to Hercules Powder Company, Wilmington, Del. Rubber compositions containing unsubstituted rosin amines. 2,491,913, Dec. 20.
Amberg, Walter E., Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation. Conical paper cup with rounded bottom. 2,473,840, June 21.
Amberg, Walter E., Beverly Shores, Ind. Shaft coupling. 2,481,640, Sept. 13.
Amberg, Walter E., Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Holder for paper cups. 2,483,166, Sept. 27.
Amberg, Walter E., Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Paper cup holder. 2,483,167, Sept. 27.
Amberg, Walter E., Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Holder for paper containers. 2,483,168, Sept. 27.
Amberg, Walter E., Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation. Holder for paper cups. 2,487,014, Nov. 1.
Amberg, Walter E., Beverly Shores, Ind., and B. F. Alm, Elgin, Ill., assignors, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Holder for paper cups. 2,486,907, Nov. 1.
Ambler, Joseph A., and E. J. Roberts, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture. Separation of aconitic acid from molasses. 2,481,557, Sept. 13.
Ambler, Richard J., Montreal, Quebec, Canada. Filing device. 2,468,355, Apr. 26.
Ambler, Thomas M.: *See*—
Hill, James E., and Ambler.

- Ambrette, Conrad, Brooklyn, N. Y. Feeding apparatus for alimentary paste die. 2,481,274, Sept. 6.
- Ambrette, Conrad, Brooklyn, N. Y. Automatic alimentary paste producing apparatus. 2,481,275, Sept. 6.
- Ambrose, Albert, assignee: *See*—
Pieri, Dino.
- Ambrose, C. M., Company, assignee: *See*—
Lamb, Harry.
- Ambrose, Dermot M.: *See*—
Chatterjea, Prafulla K., and Ambrose.
Chatterjea, Prafulla K., Ambrose, and Beney.
- Ambrose, John G.: *See*—
Mathews, Charles B., and Ambrose.
- Ambrose, Leo, assignee: *See*—
Rundle, George W.
- Ambye, Anthon L., Andover, assignor to L. O. Nichols, Newton, Mass. Rubber-fingered textile finishing roll 2,466,348, Apr. 5.
- Amelung, Alexander F., Kansas City, Mo. Folding crib. 2,486,093, Oct. 25.
- Amerco Products Inc.: *See*—
Welch, Lawrence E.
- American Abrasive Metals Company, assignee: *See*—
Strauss, Frank A.
- American Air Filter Company, Inc., assignee: *See*—
Dahlman, Verner.
Sylvan, Stig G.
- American Anode Inc., assignee: *See*—
Hansen, Merrill E., and Yount.
Miller, Donald J.
- American Bag & Paper Corporation, assignee: *See*—
Kardon, Emanuel S.
- American Bakers Machinery Company, assignee: *See*—
Buechek, John.
- American Blower Corporation, assignee: *See*—
Danz, Harry O.
Hoadley, Claude R.
Koch, John B.
Polk, Gilbert C.
Rosebrough, John D.
Simmons, Lance L.
- American Blue Print Company, Inc., assignee: *See*—
Pignone, Edward.
- American Bosch Corporation, assignee: *See*—
Beryln, Martin J., and Broderick.
Crocker, William D., and Strniste.
Hogan, Clarence E., and Stansfield.
Lamphere, Richard W., and Osterman.
Lang, Gregor L.
Osterman, Joseph T.
- American Box Board Company, assignee: *See*—
Anderson, Wilbur G., Jr.
Richey, Ralph C.
- American Brake Company, The, assignee: *See*—
Crossman, Theodore C.
Mueller, Emil G.
- American Brake Shoe Company, assignee: *See*—
Avery, Howard S.
Bennett, Robert B., and Spokes.
Huber, Albert F., and Magnus.
Lerner, Earl A.
Mantle, Burr W.
Spencer, Lee.
Wilson, Rosser L., and Knauer.
- American Brass and Aluminum Foundry, Incorporated, assignee: *See*—
Bernhardt, Lee F.
- American Brass Company, The, assignee: *See*—
Davis, Charles H.
- American Bridge Company, assignee: *See*—
Lucas, Fred H., and Rhodes.
Millis, Lansing.
- American Buff Company, assignee: *See*—
Mockiewicz.
Sax, Nathan E.
- American Can Company, assignee: *See*—
Begg, Thomas.
Erb, George C.
Chatterton, Robert T.
Crawford, Robert J.
Erb, George C.
Harker, Arthur E.
Huntar, Felix.
Jacobs, Samuel S., and Peterson.
Jones, Lyman L., and Ystrom.
Kinberg, Hjalmar.
Kinney, William F.
Martin, William M., Pillnik, and Wobbe.
McDonnell, Gordon H.
Nordquist, Ronald E. J.
Nordquist, Ronald E. J., and Baumann.
Paynter, Horace J.
Peters, John F.
Peterson, Howard B.
Renard, Roland E.
Socke, John E.
Strickler, John C.
Tofanelli, Olinto J.
Winters, William P.
Wobbe, Delbert E., and Pillnik.
Woolford, Custis S.
Young, Carl B.
Zichmer, George P., Jr.
- American Car & Foundry Company, assignee: *See*—
Kepner, Robert C.
- American Car and Foundry Company, assignee: *See*—
Clarke, Allen W.
Folmsbee, Clyde H.
McBride, John J.
Pancake, Herman H.
Shields, Robert A.
Sully, John.
- American Catheter Corporation, assignee: *See*—
Krippendorf, Louis H.
- American Chain & Cable Company, Inc., assignee: *See*—
Bratz, Otto J.
Peterson, Vincent C. J.
Peterson, Vincent C. J., and Wilson.
Robinson, Harry G.
- American Chemical Paint Company, assignee: *See*—
Miles, Donald L.
Snyder, Eugene.
Spruance, Frank P., Jr.
Spruance, Frank P., Jr., and Thirsk.
- American Chicle Company, assignee: *See*—
Cohoe, Wallace P.
- American Cladmetals Company, assignee: *See*—
Kinney, Joseph, Jr.
- American Coach & Body Company, The, assignee: *See*—
Farrar, Alvin J.
- American Cyanamid Company, assignee: *See*—
Aagaard, Leif.
Abramovitch, Benjamin.
Adams, Frederic H.
Adams, Pierrepont.
Angier, Robert B.
Ashley, Kenneth D., and Jaeger.
Baker, Bernard R.
Baker, Bernard R., and Querry.
Barnes, Robert B.
Barthelemy, Justus C., Davis, and Poor.
Bean, James J.
Boor, Ladislav, and Fluck.
Booth, Robert B., and Herkenhoff.
Booth, Robert B., and Pickens.
Boothe, James H.
Brouillard, Robert E., and Baumgarten.
Carnes, Joseph J., and Warner.
Carpenter, Erwin L., and Davis.
Cathers, George I., and Fluck.
Cauwenberg, Winfred J., and Sanders.
Champayne, Edmund F.
Champayne, Edmund F., Christ, and Barnes.
Chao, Tsai H.
Christ, Charles L., and Champayne.
Conn, Robert C.
Conn, Robert C., and Weiss.
Cook, Elmer W.
Cook, Elmer W., and Moss.
Cook, Lucien H., and Rosenbloom.
Cresswell, Arthur.
Crossley, Moses L., King, Northey, and Scholz.
Cullian, John E., and Lytle.
Davis, Arnold R.
Davis, Harold S.
Day, Harold M.
Denton, John J., and Howard.
De Waard, Russell D., and Stock.
De Waard, Russell D., Stryker, and Blockman.
Dixon, James K.
Dudley, James R.
Dudley, James R., and Lundberg.
Duggar, Benjamin M.
Eberhart, Dale E., Lecher, and Scalera.
Erickson, John G.
Fahrenbach, Marvin J.
Funk, Charles E., Jr.
Gieseke, Elmer W.
Gilbert, Richard L., Jr.
Hardy, William B., and E. M.
Hardy, William B., and Elizabeth M.
Harris, Raymond R.
Hechenbleikner, Ingenuin.
Herkenhoff, Earl C.
Herkenhoff, Earl C., and Hedley.
Herrick, Guy S.
Hoback, Waller H., Cauwenberg, and Whatley.
Houpt, Alfred G.
Howard, Kenneth L.
Hultquist, Martin.
Hultquist, Martin E.
Hultquist, Martin E., and Dreisbach.
Hultquist, Martin E., and Seeger.
Hutchings, Brian L.
Jayne, David W., Jr., and Day.
Jayne, David W., Jr., Day, and Kropa.
Jayne, David W., Jr., Day and Nolan.
Jeffs, Albert W., and Schmidlein.
Kaiser, Donald W.
Kaiser, Donald W., and Nagy.
Kaiser, Donald W., and Thurston.
Karr, Andrew.
Klenle, Roy H., and Whitcomb.

American Cyanamid Company, assignee: *See*—Continued.

King, Victor L.
King, Victor L., and Bart.
Kropa, Edward L.
Kropa, Edward L., and Nyquist.
Kuh, Erwin, and Barnaby.
Kuh, Erwin, and Neier.
Kuh, Erwin, and Smith.
Kushner, Samuel, and Brancone.
Lecher, Hans Z., and Adams.
Lecher, Hans Z., Brouillard, and Baumgarten.
Lecher, Hans Z., and Eberhart.
Lecher, Hans Z., and Forster.
Lecher, Hans Z., and Long.
Lecher, Hans Z., Parker, Long.
Lecher, Hans Z., Scalera, and Forster.
Lecher, Hans Z., Scalera, Joyce, and Forster.
Lewis, Charles E.
Light, Donald W.
Loukowsky, Serge A.
Lowe, Richard H.
Lundberg, Lennart A.
Lundberg, Lennart A., and Dudley.
Lynn, John E., and Fluck.
Lytle, Lawrence D., and Cullinan.
Mackay, Johnstone S.
Mackay, Johnstone S., and Paden.
Medcalf, Eugene C., Cooper, and Sisco.
Meincke, Edmund R.
McMurray, Lynn L.
Miller, Wilbur H., and Roblin.
Millson, Henry E., and Mooradian.
Moss, Philip H., and Cook.
Mowat, John H.
Mowat, John H., and Boothe.
Moyer, Samuel P.
Nagy, Daniel E.
Nolan, Kenneth G., Morgan, and Fletcher.
Northey, Elmore H., and Dreisbach.
Northey, Elmore H., and Hultquist.
Northey, Elmore H., and Webb.
Nute, Alden D.
Nyquist, Arthur S., and Kropa.
Orem, Henry P., Adams, and Goulding.
Paden, Joseph H., and MacLean.
Parfentjev, Ivan A.
Parker, Robert P., Reeves, and Conn.
Patterson, Donald G.
Payne, Nellie M. C.
Petty, Robert D., and Rickabaugh.
Phelps, Allen S.
Redmon, Bryan C.
Redmon, Bryan C., and Griffin.
Sargent, Donald E.
Sayward, John M., and Nagy.
Scalera, Mario.
Scalera, Mario, and Eberhart.
Scalera, Mario, and Forster.
Scalera, Mario, and Joyce.
Schaefer, Frederic C.
Scholz, Theodore F.
Schmidt, Charles H.
Searles, Scott, Jr.
Semb, Joseph.
Smith, James M., Jr.
Smith, James M., Jr., and Roth.
Speight, Frank Y., Jr.
Sperry, Russell L.
Stamm, Robert F.
Stearns, Edwin I., Jr., and Buc.
Stewart, Hugh W.
Stock, Charles R.
Studeney, John, Pollard, and Landes.
Thurston, Jack T.
Thurston, Jack T., and Warner.
Waller, Coy W.
Watt, William T.
West, Herbert J.
Whately, Walter R.
Whitaker, Charles H. W.
Williams, James H., and Roblin.
Wintringham, Andrews C., Moffatt, and Conn.
Wiswall, Richard H., Jr.
Wohnsiedler, Henry P.
Wohnsiedler, Henry P., and Thomas.
Wolf, Clayton S., and Krupa.
Yeo, Fred R.
American Cystoscope Makers, Inc., assignee: *See*—
Burroughs, Kenneth C.
Held, Joseph E.
Wallace, Frederick J.
Willinsky, Abram I.
American Dairies, Incorporated, assignee: *See*—
Graham, William R., Jr., Kohler, and Frye.
Turner, Charles W., and Reineke.
American Display Company, The, assignee: *See*—
Dunkelberger, Milton S.
American District Steam Company, assignee: *See*—
Culp, Herbert P.
Hall, Robert.
American Dyewood Company, assignee: *See*—
Pieper, Oliver T.
American Electric Heating Company, assignee: *See*—
Gannon, James E.

American Electro Metal Corporation, assignee: *See*—

Lewin, Gerhard.
American Engineering Company, assignee: *See*—
Bennett, Joseph S., and Thorson.
American Enka Corporation, assignee: *See*—
Buurman, Aart.
Heim, Gustav A. M.
Jacokes, James W.
Kayser, Guillaume M. A.
Keith, James F.
Koch, Theodor.
Lindsay, Robert W.
Moritz, Adrian J. L.
Polak, James J.
Van de Mei, Anne.
Van der Kroon, Henricus A.
Van Halewijn, Arie.
Van Nouhuys, Herman L.
Weeldenburg, Johannes G.
Whinsant, John K., and Taylor.
American Felt Company, assignee: *See*—
Kaymond, James J., and Lehmberg.
American Finishing Company, assignee: *See*—
Goodman, Abe, Jr.
American Fixture & Manufacturing Co., assignee: *See*—
Nash, John J.
American Flange & Manufacturing Co., Inc., assignee: *See*—
O'Connor, Walter J.
American Floor Surfacing Machine Company, The, assignee: *See*—
Vavrik, Louis.
American Fork and Hoe Company, The, assignee: *See*—
Yearley, George W.
American Gas Accumulator Company, assignee: *See*—
Kindahl, Carl.
American Gas Machine Company, assignee: *See*—
Stempel, Edward H., and Nelson.
Yauger, Harland A., and Goette.
American Hardware Corporation, The, assignee: *See*—
Dyson, Louis M.
Grigalunas, Joseph G.
Teich, Ernest L.
American Hoist & Derrick Co., assignee: *See*—
Knutson, Harry.
Potter, Kenneth F.
Stoddard, Robert J.
American Home Foods, Inc., assignee: *See*—
Ornfelt, John.
American Home Products Corporation, assignee: *See*—
Kern, Charles J., and Del Vecchio.
Kern, Charles J., and Tabor.
Maynard, Ernest W., and Di Giacomo.
Shohan, Jacob B.
American Hospital Supply Corporation, assignee: *See*—
Berner, Harry M.
American Houses, Inc., assignee: *See*—
McLaughlin, Robert W., Jr.
American Instrument Co., Inc., assignee: *See*—
Lovins, Gerald H.
Morris, Nathan.
American-La France-Foamite Corporation, assignee: *See*—
McGlenn, Robert C.
American Laundry Machinery Company, The, assignee: *See*—
Brenner, Robert W., and Petre.
Hoffman, Albert N.
Johnson, Oscar W., and Sommerhalter.
Malott, Clifton S., Jr.
Neckel, Edmund N.
Petre, John R.
American Lead Pencil Company, assignee: *See*—
Jueiss, David.
American Linen Supply Co., assignee: *See*—
Birr, Rudolph G.
American Locomotive Company, assignee: *See*—
Chapman, Everett, and Barraja-Frauenfelder.
Clifford, Roger W.
Farkas, George B.
Farkas, George B., and Gunter.
Gantvoort, John M.
Nichols, William M.
Strandberg, Albin K.
Weber, Theodore R.
American Machine & Foundry Company, assignee: *See*—
Arett, Charles.
Jensen, Thormod.
Rundell, Rupert E., and Hagquist.
American Machine & Metals, Inc., assignee: *See*—
Buss, Benjamin A.
De Moss, Albert H.
Kent, Carleton V.
Le Van, Ambrose E.
Miller, Edward L.
American Machine and Metals, Inc., assignee: *See*—
Bryson, Tandy A.
Davis, Archibald H., Jr.
Kagan, Benjamin S.
Patterson, Glenn A., and Kagan.
Sidell, Philip A.
American Machine Works, assignee: *See*—
Young, Nicholas A., and Brehm.

- American Machinery Corporation, assignee: *See*—
Fender, Robert A.
Leonard, David E.
- American Magnesium Metals Corporation, assignee: *See*—
Carter, Austin G.
- American Maize-Products Company, assignee: *See*—
Aspman, Kurt I. L., and O'Brien.
Schopmeyer, Herman H.
- American-Marietta Company, assignee: *See*—
Redfern, Donald V.
- American Meat Institute Foundation, assignee: *See*—
Bowman, Jay.
Bowman, Jay, and Beadle.
- American Metal Company, Limited, The, assignee: *See*—
Garbo, Paul W.
- American Metalcraft Corporation, assignee: *See*—
Wheeler, John D.
- American Mine Door Company, The, assignee: *See*—
Gurney, Albert J. and G. D.
- American Oak Leather Company, The, assignee: *See*—
Zihlman, John T., and Waldron.
- American Optical Company, assignee: *See*—
Aitcheson, Thomas G., and Gradisar.
Brown, Morden G.
Brown, Morden G., and Lundberg.
Crandon, Harry D.
Ellis, Charles A.
Finegan, John C.
Gagnon, Louis L.
Geis, Lester, and Metzler.
Glancy, Anna E.
Gradisar, Albin A.
Gradisar, Albin A., and Richards.
Grant, Charles T.
Guillet, Emil.
Huttemeyer, Herman F.
Leduc, Wilbur.
Lowber, David D., and Peters.
Lowber, David D., Readon, and Collyer.
Lundberg, Harry F.
Lunenburg, Rudolf K.
Moulton, Harold R.
Moulton, Harold R., and Tillyer.
Osterberg, Harold.
Osterberg, Harold, and Matter.
Osterberg, Harold, Roebuck, and Collyer.
Pincus, Alexis G.
Pride, Gilbert E.
Riley, Charles P.
Schauweker, George H.
Splaine, Edward M.
Tillyer, Edgar D.
- American Ore Reclamation Company, assignee: *See*—
Urban, William J.
- American Pearl Button Co., assignee: *See*—
Palmer, Rufus N.
- American Phenolic Corporation, assignee: *See*—
Adams, Charles J.
Kearse, George P.
Valach, Charles F.
- American Pipe and Construction Co., assignee: *See*—
Butler, Adolf G.
White, Harold L.
- American Potash & Chemical Corporation, assignee: *See*—
Johnson, Arthur K., and Suhr.
May, Frank H.
- American Pulley Company, The, assignee: *See*—
Ingraham, Joseph H., and Williams.
McCloskey, Joseph E.
Williams, William A.
- American Safety Razor Corporation, assignee: *See*—
Landwehr, Richard F.
Nelson, Edgar A.
- American Screw Company, assignee: *See*—
Tomalis, Joseph J.
- American Seal-Kap Corporation of Delaware, assignee: *See*—
Goodwin, Carl W., and Martin.
Martin, Harold W., and Goodwin.
Vore, Herbert G., and Martin.
- American Seating Company, assignee: *See*—
Bouwkamp, Harvey L., and Kemp.
Davis, Robert L., and Plachecki.
Kenny, John J.
Merrill, Ralph K.
Morgan, Erving B.
Morgan, Erving B., and Clay.
Nordmark, Walter E.
Orton, Merritt K.
Orton, Merritt K., and Hoven.
Prosser, Joseph G.
Prosser, Joseph G. and T. W.
Roman, John J.
Roman, John J., and Orton.
Windhorst, Pearl R.
- American Smelting and Refining Company, assignee: *See*—
Bond, Frederick A.
Hart, James L.
Palmer, Sidney L., and Beckes.
Phillips, Albert J., and Smart, Jr.
Thomas, Moyer D.
Walter, George R., and Kemp.
- American Stay Company, assignee: *See*—
Presby, Leroy Q.
- American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Baselt, Walter H.
Clasen, Claus J. W.
Cottrell, Robert B.
Flesch, Norman.
Hess, Reza J.
Kayler, Frank H.
Keysor, Harold C.
Kinne, Edmund P.
Kinne, Edmund P., and Kayler.
Lehrman, Leo A.
Light, David M.
Maatman, Egbert J.
Schlegel, Walter L., Jr.
Sedgwick, Robert K.
Sedgwick, Robert K., and Cizek.
Simanek, Edward J.
Tack, Carl E.
Taylor, Russell C.
Timm, Frank M., and Gibney.
Watts, Raymond.
Whitney, Liren L.
- American Steel Package Company, The, assignee: *See*—
Behringer, Grover F.
- American Steel and Wire Company of New Jersey, The, assignee: *See*—
Avallone, Samuel C., Harris, and Whiting.
Barnes, Raleigh H., and Elmendorf.
Bletso, Bruce N., and Thompson.
Bliss, George L.
Boak, Willis E.
Brickman, Alan E.
Brickman, Alan E., and Capouch.
Charles, John O.
Cress, Howard S.
Fons, Silas C.
Gargano, Guiseppi.
Glennon, Charles F.
Harris, Arch W., and Ward.
Hilliard, James W.
Hoag, John H.
Hoffman, Carroll G., and Kiefer.
Iacqua, Antonio F., and Occasione.
Konrad, John S.
Little, Jess C.
McLeod, Don, and Norris.
Morrison, James J., and Duna.
O'Hare, Martin.
Papazian, Martin S.
Peirce, Walter T.
Robbins, David S.
Roitz, Joseph M.
Symmes, Daniel D.
Thomas, John H.
Thompson, James R.
Widerberg, Oscar A., and Wallsten.
- American Sterilizer Company, assignee: *See*—
Jewell, Raymond L.
- American Sugar Refining Company, The, assignee: *See*—
Irvine, William L.
- American Sundries Company, Inc., assignee: *See*—
Duberstein, Samuel.
- American Telephone and Telegraph Company, assignee: *See*—
Anderson, Gustave A.
Bacon, Walter M., and Walker.
Bagnall, Vernon B.
Celva, Walter G.
Clos, Charles.
Dorr, Gilbert G.
Dunning, Sanford F.
Gordon, Chester S., Lally, and Zieschang.
Hanley, Frank H.
Jackman, Walter P.
Matthew, Henry J.
Maxwell, John L.
Pigman, George R.
Richards, Kenneth W.
Robertson, Charles B.
Schroepel, Harold H.
- American Thermo Appliance Co., assignee: *See*—
Busch, Fred, and Wild.
- American Thread Company, The, assignee: *See*—
Welch, Albert E.
- American Throttle Company, Inc., assignee: *See*—
Smith, Bert, and Ringel.
- American Tool & Machine Co., assignee: *See*—
Tholl, John E.
- American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.
- American Type Founders, Incorporated, assignee: *See*—
Royston, Marvin F.
- American Ventilating Hose Co., assignee: *See*—
Bringolf, Richard G.
Hersey, Henry J., Jr.

American Viscose Corporation, assignee: See—

Allen, Lyman H., Jr.
 Aronson, David.
 Battista, Orlando A.
 Bauer, Ernest K.
 Bouvet, Rene.
 Brackett, John.
 Byers, George W.
 Calhoun, John A., Jr.
 Castellan, Carl A.
 Clark, James A.
 Coleman, Melvin B., and Bennington.
 Cornwell, Ralph T. K.
 Davidson, Hobart O.
 De Brabander, Camiel.
 Decker, Ferdinand A., Jr.
 Denysen, Ivanhoe P.
 Eisen, John B.
 Eshleman, Richard F.
 Francis, Carleton S., Jr.
 Frist, Joseph O., and Bauer.
 Furness, William H.
 Gayler, Cecil W.
 Golben, Michael.
 Goodwin, Chester H.
 Haley, Hugh D.
 Hall, James W., and Hunter.
 Hendrixson, Charles E., Jr., and Cox.
 Hollihan, John P., Jr.
 Hollihan, John P., Jr., and Moss, Jr.
 Kennedy, Edgar S., and Wedler.
 Koster, Frederick W.
 Koster, Frederick W., and Oberly.
 Kunz, Walter B.
 Luttge, William G., and Williams.
 McDermott, Henry J.
 Moss, Sanford A., Jr.
 Nash, Thomas L.
 Pearson, Frank G.
 Peterson, Leroy E., and Dart.
 Reichel, Frank H.
 Richter, George A., Jr.
 Roberts, Ingham S.
 Schlatter, Carl, and Holmberg.
 Shearer, Howard E., and Van Nest.
 Silcox, William D.
 Sisson, Wayne A.
 Smith, Robert A., and Chaya.
 Stanley, Richard W.
 Taylor, Robert J.
 Thompson, Donald C.
 Webb, Wesley L., and Merion.
 Wicker, Dan B., and Cox.
 Wiegertink, James G.

American Vitos Company, Inc., assignee: See—

Vitoux, Marcel.

American Waterproofing Corporation, assignee: See—

Gordon, Philip L.

American Water Softener Co., assignee: See—

Waugh, Harvey C.

American Wheelabrator & Equipment Corporation, assignee: See—

Dill, Gilbert D.
 Dorfman, Morton I.
 Unger, Chester E.
 Zahn, Otto E.

American Windshield & Specialty Co., The, assignee: See—

Gaetano, Ralph R.

American Woolen Company, assignee: See—

Worth, Arthur A., and Adams.

Amering, Charles F.: See—

Staehle, Henry C., and Amering.

Amerkan, Martha B., Miami Springs, Fla. Electric hair drier. 2,488,793, Nov. 22.**Ames, Butler, Boston, Mass. Control unit for electric cookers. 2,463,011, Mar. 1.****Ames, Butler, Boston, Mass. Portable support. 2,469,359, May 10.****Ames, Butler, Boston, Mass. Ventilator. 2,470,799, May 24.****Ames, Irving, Yonkers, N. Y. Musical instrument. 2,488,111, Nov. 15.****Ames Spot Welder Co., Inc., assignee: See—**

Stoudt, Bernard, and Giordano.

Amick, Erwin H., Jr., Linden, N. J., assignor to Standard Oil Development Company. Removal of soluble catalysts from product streams. 2,471,054, May 24.**Amick, Erwin H., Jr., Linden, and W. S. Harney, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Separation of isopropyl alcohol and secondary butyl alcohol by azeotropic distillation. 2,487,086, Nov. 8.****Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,469,360, May 10.****Amidon, Roy C., Reading, Pa., assignor to Vanity Fair Mills, Inc. Thread-feeding mechanism. 2,489,609, Nov. 29.****Amiot, Felix, Neuilly-sur-Seine, France, vested in the At-torney General of the United States. Construction of fuselages. 2,486,378, Nov. 1.****Amis, Lewis A., Dallas, Tex. Label holder. 2,461,103, Feb. 8.****Ammco Tools, Inc., assignee: See—**

Billeter, Henry R.
 Mitchell, Wallace F.

Ammerall, Albert J., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Flocking apparatus. 2,489,846, Nov. 29.**Ammerman, John M., Oak Park, Ill., assignor to Radio Corporation of America. Tuning mechanism. 2,488,366, Nov. 15.****Amon, Fred H., Weston, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of carbon black. 2,479,708, Aug. 23.****Amon, Joseph, assignor to Joseph Amon, Incorporated, Rahway, N. J. Thread guide. 2,464,664, Mar. 15.****Amon, Joseph, Incorporated, assignee: See—**

Amon, Joseph.

Amonsens, George H., Minneapolis, Minn. Driving mechanism for drying machines. 2,477,949, Aug. 2.**Amos, James L., and E. D. Morris, assignors to The Dow Chemical Company, Midland, Mich. Putty comprising a liquid monomer and a finely divided solid insoluble polymer. 2,482,825, Sept. 27.****Amos, James L., Midland, and F. J. Soderquist, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of nuclear halogenated alkenyl-benzene compounds. 2,486,379, Nov. 1.****Amos, Stephen E., Chester, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High-speed edging. 2,491,636, Dec. 20.****Ampeco Metal, Inc., assignee: See—**

Garriott, Francis E.

Amperex Electronic Corp., assignee: See—

Senauke, Alexander.

Ampro Corporation, assignee: See—

Cisski, Irving.
 Cisski, Irving, and Shapiro.

Amsler, Alfred J., & Co., assignee: See—

Kratzer, Paul.

Amsler Morton Corporation, assignee: See—

Morton, William A., and Smith.

Amsler, Robert, assignor to Landis & Gyr, A-G., Zug, Switzerland. Heat regulating apparatus. 2,474,798, June 28.**Amsler, Robert, assignor to Landis & Gyr A. G., Zug, Switzerland. Condition responsive system. 2,480,433, Aug. 30.****Amstutz, James B., Oak Park, and O. E. Fieroh, assignors to Crane Co., Chicago, Ill. Air operated chuck. 2,474,771, June 28.****Amstutz, Walter R., Forest Park, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Letter scale and the like. 2,458,129, Jan. 4.****Amtsberg, Lester A., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Low inertia induction motor. 2,492,678, Dec. 27.****Amyot, Adelard, Montreal, Quebec, Canada. Refrigerator. 2,474,452, June 28.****Amundson, Roald H.: See—**

Earle, Ralph H., and Amundson.

Amundson, Roald H., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,460,967, Feb. 8.**Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 2,467,924, Apr. 19.****Anaconda Copper Mining Company, assignee: See—**

Baldwin, Earl M., and Thompson.
 Heiks, Ray E.
 Ralph, Francis E.
 Woodward, Clifford D., and Ralph.

Anaconda Wire and Cable Company, assignee: See—

Brown, Richard J.
 Olson, John W., and Bechle.
 Polglase, Thomas R., and Hoebeke.

Anast, James L., Xenia, Ohio. Radio ground position indicating device. 2,489,251, Nov. 29.**Ancet, Victor M. J., Lyon, France, assignor, by mesne assignments, to Regina, S. A., a societe anonyme, Tangiers, Morocco. Thread operated stop motion in circular looms. Re. 23,114, May 24.****Ancet, Victor M. J., Lyon, France, assignor to Regina S. A., Tangiers, Morocco. Electric control system for circular looms. 2,465,829, Mar. 29.****Ancet, Victor M. J., Lyon, France, assignor to Regina S. A., Tangiers, Morocco. Removal of fluff and dust in circular looms. 2,480,690, Aug. 30.****Ancet, Victor M. J., Lyon, France, assignor to Regina S. A., Tangiers, Morocco. Distributing warp threads in circular looms. 2,483,118, Sept. 27.****Ancet, Victor M. J., Lyon, France, assignor to Regina S. A., Tangiers, Morocco. Heddle mechanism for circular looms. 2,492,514, Dec. 27.****Anch, Albert, assignee: See—**

Pistone, William R.

Anchor Hocking Glass Corporation, assignee: See—

McNamara, William L., and Fouse.
 McNamara, William L., and McFee.

Anchor Manufacturing Company, assignee: See—

Johansson, Ernest G.

Anciens Ateliers Victor Charpentier et Compagnie, Societe de Personnes a Responsabilite Limitee, assignee: See—

Poncelet, Jules V. E. M.

- Anderegg, Frederick O., Somerville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Air conditioning system. 2,478,617, Aug. 9.
- Andersen, Arthur A., Los Angeles, Calif. Self-aligning furniture foot. 2,469,425, May 10.
- Andersen, Axel B., Larchmont, and K. Horn, assignors to F. L. Smith & Co., New York, N. Y. Air separation method for slurry separation. 2,461,584, Feb. 15.
- Andersen, Carl N., Briarcliff Manor, assignor to Elizabeth Arden, Inc., New York, N. Y. Aluminum chlorohydrate astringent. 2,492,085, Dec. 20.
- Andersen, George, New York, N. Y. Planograph tracer guide. 2,491,469, Dec. 20.
- Andersen, George R., Oak Park, Ill. Journal box lid. 2,474,928, July 5.
- Andersen, Herbert H.: *See*—
Ridgley, Charles H., Andersen, and Truesdell.
- Andersen, Nils P. E., Elm Grove, assignor to Harnischfeger Corporation, Milwaukee, Wis. Cargo handling apparatus. 2,490,609, Dec. 6.
- Andersen, Nils P. E., Elm Grove, assignor to Harnischfeger Corporation, Milwaukee, Wis. Stowage lift. 2,490,610, Dec. 6.
- Andersen, Soren K., assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Cooler for viscose liquids. Re. 23,144, Sept. 6.
- Andersen, Soren K., assignor to The Garrett Corporation, Aircsearch Manufacturing Company, Division, Los Angeles, Calif. Humidity control in aircraft air conditioning. 2,485,522, Oct. 18.
- Andersen, Thomas K., Staten Island, N. Y. Trench digger. 2,491,793, Dec. 20.
- Andersen, Walther M. A., assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn. Crystal controlled frequency modulation system. 2,458,760, Jan. 11.
- Anderson, Albert C., assignor to Liberty Can & Sign Company, Lancaster, Pa. Box. 2,463,586, Mar. 8.
- Anderson, Albert E., Holbrook, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Distance measuring device. 2,465,990, Apr. 5.
- Anderson, Albert E., Holbrook, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Range indicator for multirange recorders. 2,489,997, Nov. 29.
- Anderson, Alf J.: *See*—
Johnson, Earl S., and Anderson.
- Anderson, Alfred F. R., New York, N. Y. Combination bird feeder and amusement device. 2,487,087, Nov. 8.
- Anderson, Alvin E.: *See*—
Solomon, Nathan L., and Anderson.
- Anderson, Andreas, Wellesley Hills, Mass. Electric cable connector. 2,480,895, Sept. 6.
- Anderson, Arthur L., and R. C. Burns, assignors to The Soundsciber Corporation, New Haven, Conn. Inverter motor. 2,459,611, Jan. 18.
- Anderson, Arthur L., assignor to The Soundsciber Corporation, New Haven, Conn. Electric braking means for producing a fast stop in phonograph motors. 2,491,243, Dec. 13.
- Anderson, Arthur W., North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated polythene compositions. 2,480,008, Aug. 23.
- Anderson, Arthur W., and C. A. Sperati, North Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of polymerizable esters. 2,465,991, Apr. 5.
- Anderson, August P., Goshen, Ind. Compressor for refrigerating systems. 2,466,193, Apr. 5.
- Anderson, Axel G., Minneapolis, Minn. Hand oiler. 2,473,696, June 21.
- Anderson, Axel V.: *See*—
Rogers, Wallace C., and Anderson.
- Anderson, Benjamin C., Kansas City, Mo. Photographic light control device. 2,486,727, Nov. 1.
- Andersen, Bjorn: *See*—
Dreyfus, Camille, Andersen, and Kojevnikoff.
- Anderson Brass Works, assignee: *See*—
Lock, Robert L.
- Anderson, Carl A., Cranston, R. I., assignor to Anderson Tool & Die Works, Inc. Tie holder construction. 2,492,254, Dec. 27.
- Anderson, Carl C., assignee: *See*—
Nelson, Noble A.
- Anderson, Carl I., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Disazo dyestuffs. 2,474,024, June 21.
- Anderson, Carl J., Chicago, Ill. Machine for cutting sheet material. 2,467,546, Apr. 19.
- Anderson, Carl M., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical resistance brazing. 2,480,351, Aug. 30.
- Anderson, Carl O., assignor to Ozark-Mahoning Company, Tulsa, Okla. Producing monofluorophosphates. 2,481,807, Sept. 13.
- Anderson, Carl R., assignor to Air Products Incorporated, Detroit, Mich. Method of and apparatus for pumping liquid oxygen. 2,480,093, Aug. 23.
- Anderson, Carl R., assignor to Air Products, Incorporated, Chattanooga, Tenn. Pumping liquid oxygen. 2,480,094, Aug. 23.
- Anderson, Carl V.: *See*—
Tobener, William H., Jr., and Anderson.
- Anderson, Charles D., Chicago, Ill. Baby's seat and table. 2,466,350, Apr. 5.
- Anderson, Charles H. J.: *See*—
Bergmans, Jan, Lamberts, and Anderson.
- Anderson, Christopher J., Peru, Ind. Blade-shearing band-saw attachment. 2,472,509, June 7.
- Anderson, Clare, Kinnelon, N. J. Housing for instruments. 2,463,844, Mar. 8.
- Anderson, Clarence A., San Diego, Calif. Knife blade or plug type electric switch. 2,489,070, Nov. 22.
- Anderson, Clayton & Co., assignee: *See*—
Fash, Ralph H.
- Anderson, Chester N., Wichita Falls, Tex. Swing. 2,480,691, Aug. 30.
- Anderson, Chester W., Pleasantville, L. D. Hansen, Fanwood, and D. E. Overmyer, Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for gauging jacks. 2,483,867, Oct. 4.
- Anderson, Curtis A., Mamaroneck, N. Y. Machine for target practice. 2,467,180, Apr. 12.
- Anderson, Dwight M., South Euclid, Ohio. Vacuum breaking and dump valve. 2,472,933, June 14.
- Anderson, Edgar L.: *See*—
Blatz, Hanson, and Anderson.
- Anderson, Edmund A., and D. C. Jillson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. High manganese brass alloys. 2,479,595, Aug. 23.
- Anderson, Edmund A., and D. C. Jillson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. High manganese brass alloys. 2,479,596, Aug. 23.
- Anderson, Edward J., Houghton, E. Lehto, and M. Saari, Aura, Mich., assignors to Marathon Corporation, Rothschild, Wis. Snatch block. 2,491,069, Dec. 13.
- Anderson, Edwin J., Aurora, Ill. Vegetable peeling machine including travelling screw driven cutters. 2,461,249, Feb. 8.
- Anderson, Einar, Leominster, Mass. Adjustment for boring bar tools. 2,484,480, Oct. 11.
- Anderson, Elmer A.: *See*—
Anderson, Walter E., and E. A.
- Anderson, Elmer O., Bremerton, Wash. Animal trap. 2,479,196, Aug. 16.
- Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Electropneumatic power unit. 2,477,681, Aug. 2.
- Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Receptacles with self-closing mouth. 2,483,169, Sept. 27.
- Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Ball bearing jack screw. 2,488,256, Nov. 15.
- Anderson, Emil A., Ludington, Mich. Portable hydraulic lift. 2,487,508, Nov. 8.
- Anderson, Eric M., assignor to Utilities Distributors, Inc., Portland, Maine. Portable truck heater. 2,484,665, Oct. 11.
- Anderson, Eric M., Westbrook, Maine, assignor to Utilities Distributors, Inc. Fluid coupling. 2,484,924, Oct. 18.
- Anderson, Eugene L.: *See*—
Lindsay, Edward C., and Anderson.
- Anderson, Frank R., South Hampton, N. H., assignor to The Bailey Company, Inc., Amesbury, Mass. Weather strip. 2,474,409, June 28.
- Anderson, Frohman, Brooklyn, N. Y. Apparatus for working sheet metal. 2,480,826, Sept. 6.
- Anderson, George, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Safety door of the biparting type. 2,488,257, Nov. 15.
- Anderson, George P., Detroit, Mich., assignor to McCord Corporation. Electric cooker. 2,466,349, Apr. 5.
- Anderson, George R., Mount Lebanon, assignor, by mesne assignments, to Hagen Corporation, Pittsburgh, Pa. Control system for steam boiler furnaces. 2,468,535, Apr. 26.
- Anderson, George R. and Z. Santa Rosa, Calif.: said Z. Anderson assignor to said G. R. Anderson. Device for separating leaves, stems, and other material from hops. 2,481,897, Sept. 13.
- Anderson, Glenn L., University Heights, Ohio. Garment shape maintaining device. 2,479,993, Aug. 23.
- Anderson, Glenn R., Burbank, Calif., assignor to Radio Corporation of America. Motor control system. 2,465,052, Mar. 22.
- Anderson, Gordon S., Millbrook, assignor to Stewart R. Browne Mfg. Co., Inc., New York, N. Y. Multicolor signal light head. 2,491,914, Dec. 20.
- Anderson, Gustaf, Worcester, Mass. Spring supported figure. 2,464,665, Mar. 15.
- Anderson, Gustav, Sallesby, Sundals Ryr, Sweden. Push sledge. 2,480,179, Aug. 30.
- Anderson, Gustave A., assignor to The International Handkerchief Mfg. Co., New York, N. Y. Gripper mechanism. 2,480,350, Aug. 30.
- Anderson, Gustave A., Albany, N. Y., assignor to American Telephone and Telegraph Company. Toll operator control for telephone coin collectors. 2,471,087, May 24.
- Anderson, Harlan V., Sr., assignor to Kapinwax Paper Company, Minneapolis, Minn. Package. 2,481,380, Sept. 6.

- Anderson, Harry J., and M. V. Hartman, assignors to Hills-McCanna Company, Chicago, Ill. Pump and stroke adjusting mechanism. 2,458,821, Jan. 11.
- Anderson, Homer G., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode for magnetrons. 2,481,061, Sept. 6.
- Anderson, James A., Jr., Goose Creek, Tex., assignor to Standard Oil Development Company. Method and apparatus for controlling multicomponent separation process in accordance with light absorption characteristics. 2,459,404, Jan. 18.
- Anderson, James H., Easton, Pa., assignor to Ingersoll-Kand Company, New York, N. Y. Rotation device for rock drills. 2,457,969, Jan. 4.
- Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for cutting tubes. 2,473,559, June 21.
- Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Gas torch. 2,483,719, Oct. 4.
- Anderson, John : See—
McAllister, Sumner H., Anderson, and Peterson.
- Anderson, John A., Chicago, and V. Voorhees, Homewood, assignors to Standard Oil Company, Chicago, Ill. Making spheroidal gel particles. 2,468,857, May 3.
- Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Pump for hydraulic pitch changing mechanisms. 2,462,931, Mar. 1.
- Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Pitch changing mechanism. 2,462,932, Mar. 1.
- Anderson, John H., Glen Rock, N. Y., assignor to The Linen Thread Co., Inc., New York, N. Y. Thread bobbin and method of and device for forming the same. 2,488,890, Nov. 22.
- Andresen, John H., Jr., Port Washington, and E. Kasner, Brooklyn, N. Y., assignors to Square D Company, Detroit, Mich. Polyphase supply circuit. 2,472,507, June 7.
- Anderson, John N. : See—
Lautrup, George W., and Anderson.
- Anderson, John R. : See—
Swietoslawski, Wojciech, and Anderson.
- Anderson, John T., assignee : See—
Weber, John A.
- Anderson, Joseph H., Kokomo, Ind. Bicycle reflector pedal. 2,478,735, Aug. 9.
- Anderson, Kador G., Chicago, Ill. Electrical space heater. 2,477,473, July 26.
- Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Inlet and exhaust valve mechanism with associated turbocharger. 2,471,509, May 31.
- Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Port-scavenged two-cycle internal-combustion engine. 2,477,712, Aug. 2.
- Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Scavenging two-cycle internal-combustion engine. 2,484,923, Oct. 18.
- Anderson, Lannes E. : See—
Herr, Russell E., and Anderson.
- Anderson, Leslie J., Indianapolis, Ind., assignor to Radio Corporation of America. Magnetic equalization of sensitivity in ribbon microphone assemblies. 2,476,396, July 19.
- Anderson, Lloyd L. : See—
Mark, Vernice E., and Anderson.
- Anderson, Lloyd L., and R. E. Johnson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Refrigerator latch. 2,482,959, Sept. 27.
- Anderson, Marvin R., Grosse Pointe Park, assignor to Michigan Tool Company, Detroit, Mich. Gear grinding machine. 2,469,807, May 10.
- Anderson, Mauritz L., Arlington, assignor to Raytheon Manufacturing Company, Newton, Mass. Flexibility tester. 2,473,841, June 21.
- Anderson, Mina B. : See—
Oliver, Henry L., and Anderson.
- Anderson, Nels A., Stockton, assignor to Fibreboard Products Inc., San Francisco, Calif. Rotary die creasing mechanism for corrugated paperboard. 2,475,868, July 12.
- Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated. Tracer with power-driven steerable traction wheel. 2,461,585, Feb. 15.
- Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Automatic arc starter. 2,461,798, Feb. 15.
- Anderson, Norman, Duluth, Minn. Peening hammer having removable striking head. 2,491,295, Dec. 13.
- Anderson, Olaf V., Providence, R. I. Centering device. 2,484,801, Oct. 18.
- Anderson, Olof V., Cowesett, R. I. Key ring. 2,459,405, Jan. 18.
- Anderson, Oscar L., assignor to United Aircraft Corporation, East Hartford, Conn. Protractor. 2,481,062, Sept. 6.
- Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Two-speed washing machine transmission mechanism. 2,487,960, Nov. 15.
- Anderson, Paul Z., Los Angeles, Calif. Laminating press. 2,487,631, Nov. 8.
- Anderson, Philip C., Crete, Nebr. Device for applying liquid fertilizer. 2,475,686, July 12.
- Anderson, Raymond T., Lakewood, assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio. Continuous press. 2,471,920, May 31.
- Anderson, Rea V., Los Angeles, assignor to Rheem Manufacturing Company, Richmond, Calif. Submerged melt welding fixture. 2,479,197, Aug. 16.
- Anderson, Richard T., Stacy, Minn. Door latch. 2,459,354, Jan. 18.
- Anderson, Richard T., Stacy, Minn. Door latch. 2,488,794, Nov. 22.
- Anderson, Richard H. : See—
Hertzell, Emanuel A., and Anderson.
- Anderson, Robert L., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Support for bowling alley masking units. 2,485,347, Oct. 18.
- Anderson, Roger, Seattle, Wash. Orthopedic foot plate device. 2,469,361, May 10.
- Anderson, Roger, Seattle, Wash. Orthopedic table and fracture reducing apparatus. 2,477,562, Aug. 2.
- Anderson, Roger, Seattle, Wash. Making orthopedic braces. 2,459,252, Nov. 29.
- Anderson, Roland L., Memphis, Tenn. Pitot head. 2,482,701, Sept. 20.
- Anderson, Scott A., assignee : See—
Packwood, Charles W.
- Anderson, Sven G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Contact device for rotary switches. 2,482,997, Sept. 27.
- Anderson Tool & Die Works, Inc., assignee : See—
Anderson, Carl A.
- Anderson, V. D., Company, The, assignee : See—
Anderson, Raymond T.
Langhurst, Louis F.
Zies, Carl W.
- Anderson, Victor, assignee : See—
Berry, Gene L.
- Anderson, Victor E., Pacific, Wash. Patch cutting machine. 2,470,229, May 17.
- Anderson, Victor E., Owensboro, Ky. Storm window and screen construction and attachment means for window casings. 2,478,222, Aug. 9.
- Anderson, Wallace J. : See—
Hansen, Odd A., and Anderson.
- Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Knob securing device. 2,491,356, Dec. 13.
- Anderson, Walter E., and E. A., Chicago, Ill. Skirt and trouser rack. 2,466,195, Apr. 5.
- Anderson, Walter J. : See—
Larsen, Merwin J., Erickson, and Anderson.
- Anderson, Warren A., Nutley, N. J., assignor to Radio Corporation of America. Synchronous regenerator. 2,470,677, May 17.
- Anderson, Warren A., New Dorp, N. Y., assignor to Radio Corporation of America. Servo controller. 2,492,779, Dec. 27.
- Anderson, Warren A., St. Charles, Ill. Paper file. 2,469,540, May 10.
- Anderson, Warren A., West Brighton, Staten Island, N. Y., assignor to Radio Corporation of America. Distributor phase corrector circuit. 2,465,185, Mar. 22.
- Anderson, Warren D., Glenbrook, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Oscillating raceway grinder and grinding raceways. 2,459,406, Jan. 18.
- Anderson, Wilbur C., and E. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Trailer vehicle construction. 2,466,194, Apr. 5.
- Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Folding paper box. 2,492,454, Dec. 27.
- Anderson, William G., Hollywood, Fla. Support for shiftable curtain rods. 2,462,344, Feb. 22.
- Anderson, William S., Jr., Williamsport, Pa., assignor to Avco Manufacturing Corporation. Inclined grate. 2,466,789, Apr. 12.
- Anderson, William T., Jr., Maplewood, assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Electrical discharge device. 2,477,279, July 26.
- Anderson, Zack : See—
Anderson, George R. and Zack.
- Andersson, Albert E., Flysta, Spanga, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Measuring instrument. 2,481,276, Sept. 6.
- Andersson, Ivan, St. Petersburg, Fla. Automatic radio tuner. 2,488,575, Nov. 22.
- Andersson, Sven G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Switching device for distribution of programs. 2,482,998, Sept. 27.
- Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Thermostatic switch. 2,465,830, Mar. 29.
- Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigerating system, including a defrosting arrangement and a control therefor. 2,468,105, Apr. 26.
- Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,469,142, May 3.
- Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,486,908, Nov. 1.

- Andersson, Sven G., and E. E. Å. Johansson, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Contact plug with flexible contact laminations. 2,490,632, Dec. 6.
- Andrade, Frank I., assignor to F. Mulveny, Fall River, Mass. Stern davit and bumper for boats. 2,486,094, Oct. 25.
- Andre, Walter L., Dayton, Ohio. Multisignal recording system with signal identification. 2,489,253, Nov. 29.
- Andrea, Ralph E., Dayton, Ohio. Photoflash lamp. 2,490,769, Dec. 13.
- Andreas, John M., Pasadena, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Device for registration of superimposed films. 2,484,871, Oct. 18.
- Andreasen, Arthur A., and G. M. Rust, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Distillation vapor loss detector. 2,470,230, May 17.
- Andreasen, Ingwald: *See—*
Wisman, Franklin O., and Andreasen.
- Andreau, Jean E., Daurat near Leognan, France. Fairing for automobile vehicles. 2,458,130, Jan. 4.
- Andree, John O., Fort Worth, and C. V. Peterson, Nocona, Tex. Portable hay dehydrator. 2,488,653, Nov. 22.
- Andren, Karl H., Greenfield, assignor to Artos Engineering Company, Milwaukee, Wis. Rotary motion transmitting mechanism. 2,464,959, Mar. 22.
- Andren, Karl H., Greenfield, assignor to Counter and Control Corporation, Milwaukee, Wis. Mechanism for effecting automatic repetition of predetermined numbers of events. 2,489,474, Nov. 29.
- Andresen, Amanda M. C., assignee: *See—*
Andresen, Herman P.
- Andresen, Edward W. H., assignee: *See—*
Andresen, Herman P.
- Andresen, Ella V., assignee: *See—*
Andresen, Herman P.
- Andresen, Ella V., executrix: *See—*
Andresen, Herman P.
- Andresen, Harold, assignee: *See—*
Frazier, Orville Z.
- Andresen, Herman P., deceased, Chicago, Ill.; E. V. Andresen, executrix, assignor of one-fourth to E. V. Andresen, one-fourth to A. M. C. Andresen, one-fourth to E. W. H. Andresen, and one-fourth to E. C. M. Dettmer, as tenants in common. Caster. 2,458,922, Jan. 11.
- Andresen, Hilmar A., Chicago, Ill. Electron discharge device. 2,462,153, Feb. 22.
- Andresen, John H., Jr., Fort Washington, N. Y., assignor to Square D Company, Detroit, Mich. Automatic position indicator. 2,467,179, Apr. 12.
- Andress, Harry J., Jr.: *See—*
Reiff, Orland M., and Andress.
Reiff, Orland M., and Andress, Jr.
Reiff, Orland M., Hartough, and Andress, Jr.
- Andreau, Jean E., Leognan, France. Power plant. 2,485,543, Oct. 25.
- Andres, William J.: *See—*
Sanford, Roy S., and Andres.
- Andrew, Charles, and F. Waitkens, Brooklyn, N. Y. Paraffin applicator for cap lining machines. 2,479,663, Aug. 23.
- Andrew Co., assignee: *See—*
Steuer, Gustav H.
- Andrew Corporation, assignee: *See—*
Cox, Claude R.
- Andrew, John P., New Rochelle, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Removable core lock. 2,460,615, Feb. 1.
- Andrews-Alderfer Processing Co. Inc., The, assignee: *See—*
Alderfer, Sterling W., and Bosshard.
Trainer, James E., and Alderfer.
- Andrews, Bernard R., Braintree, Mass. Drying apparatus. 2,473,629, June 21.
- Andrews, Clifford M.: *See—*
Bennett, Dwight G., and Andrews.
- Andrews Company, assignee: *See—*
Andrews, Isaac.
- Andrews, David B., Neenah, assignor to Marathon Corporation, Rothschild, Wis. Package and packaging material therefor. 2,467,875, Apr. 19.
- Andrews, Desmond, assignor to The M-O Valve Company, Ltd., London, England. Detachable union for cooling systems. 2,475,468, July 5.
- Andrews, Edward F., assignee: *See—*
O'Brien, William J.
- Andrews, Edward F., assignor, by mesne assignments, to N. M. Seeburg, Chicago, Ill. Automatic phonograph. 2,458,496, Jan. 11.
- Andrews, Edward F., Chicago, Ill. Aircraft with retractable variable-radius rotary wing. 2,464,285, Mar. 15.
- Andrews, Edward F., assignor to The Miller Spreader Corporation, Youngstown, Ohio. Truck hitch. 2,471,184, May 24.
- Andrews, Edward F., assignor, by mesne assignments, to N. M. Seeburg, Chicago, Ill. Pickup with two needles. 2,479,894, Aug. 23.
- Andrews, Edward F., Chicago, Ill. Aircraft. 2,487,405, Nov. 8.
- Andrews, Eleanor U., assignee: *See—*
Lorenz, John.
- Andrews, Frank L.: *See—*
Andrews, Thomas J. and F. L.
- Andrews, George J., Chicago, Ill. Flexible pipe-coupling. 2,463,235, Mar. 1.
- Andrews, George S., Greenwich, assignor to The United States Time Corporation, Waterbury, Conn. Alarm clock. 2,467,925, Apr. 19.
- Andrews & Goodrich, Inc., assignee: *See—*
Gautreau, Arthur G.
- Andrews, Howard D., Salinas, Calif. Staple puller. 2,462,250, Feb. 22.
- Andrews, Isaac, assignor to Andrews Company, Spartanburg, S. C. Weaving reed. 2,468,800, May 3.
- Andrews, Norman F., Moline, Ill., and R. L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Corn harvester. Re. 23,083, Feb. 8.
- Andrews, Norwood H., Moorestown, N. J., assignor, by mesne assignments, to The Micronizer Company, New York, N. Y. Jet impact pulverizer. 2,487,088, Nov. 8.
- Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric windings and leads therefor. 2,469,099, May 3.
- Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Laminated magnetic core. 2,469,100, May 3.
- Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot-water tank connection. 2,471,475, May 31.
- Andrews, Ray, Washington, Pa., assignor to B. F. Drakenfeld & Co., Inc., New York, N. Y. Flux. 2,482,533, Sept. 20.
- Andrews, Paul, assignor to The Miller Company, Meriden, Conn. Thermostatic switch. 2,483,484, Oct. 4.
- Andrews, Preston L., Floral Park, N. Y. Phonograph record album. 2,492,026, Dec. 20.
- Andrews, Robert J. M.: *See—*
Pheazey, John R., and Andrews.
- Andrews, Thomas J. and F. L., Nampa, Idaho. Collapsible head gate mold. 2,492,825, Dec. 27.
- Andrews, Troy M.: *See—*
Martin, Mervin E., and Andrews.
- Andrews, Walter C., Covina, and M. Tyre, Los Angeles, Calif. Automatic spraying machine. 2,488,519, Nov. 22.
- Andros, Charles H., assignee: *See—*
Barker, George C.
- Andrus, Orrin E., Altadena, Calif. Washer for garden hose couplings. 2,460,407, Feb. 1.
- Anemostat Corporation of America, assignee: *See—*
Honerkamp, Frederick, and Kurth.
Peterson, Arthur S., and Johnson.
Phillips, Leonard R.
- Anest, William, North Platte, Nebr. Snap chuck. 2,472,184, June 7.
- Angehrn, John O., Los Angeles, Calif. Sealed-coil type vibratory magnet loudspeaker. 2,492,255, Dec. 27.
- Angel, Charles M., and R. A. Culbertson, Huntington, W. Va., assignors to Nathan Manufacturing Company, New York, N. Y. Water gauge. 2,484,329, Oct. 11.
- Angel, H. Reeve, & Co., Ltd., assignee: *See—*
Thorpe, James W., Bussell, and Herbert.
- Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Backspacing mechanism for telegraph printers. 2,462,833, Mar. 1.
- Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Backspacing telegraph printer mechanism. 2,462,834, Mar. 1.
- Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Signal controlled selector. 2,485,551, Oct. 25.
- Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of fluid reactants. 2,487,961, Nov. 15.
- Anger, John W.: *See—*
Abbott, John H., and Anger.
- Angermann, Willie A. C., assignor of forty-nine per cent to L. W. Gardner, Jr., and F. G. Gardner, Hamilton, Tex. Wheel traction device. 2,485,544, Oct. 25.
- Angier, Robert B., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Amides of n-(2,3-dihydroxy-2-propenylidene)-aminobenzoic acid. 2,466,670, Apr. 12.
- Angle, Glenn D., Thomaston, assignor to The New Britain Machine Company, New Britain, Conn. Radial engine cam follower. 2,489,946, Nov. 29.
- Anglo-Canadian Pulp and Paper Mills Limited, assignee: *See—*
O'Halloran, James.
- Anglo-Iranian Oil Company Limited, assignee: *See—*
Fawcett, Eric W. M., Narracott, and Millien.
Narracott, Eric S.
Shearer, Alexander P.
Strang, Leslie C.
- Angus, Charles H., Stratford, Conn. Automobile circuit control. 2,489,736, Nov. 29.
- Angus, David R., U. S. Navy. Closure for protective covers. 2,477,563, Aug. 2.
- Angus, Everett N., Oaklyn, N. J. Blower unit and assembly. 2,458,045, Jan. 4.
- Anicetti, Robert J., Beverly, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Crucible and making crucibles. 2,472,456, June 7.

- Anicetti, Robert J., assignor to Metal Hydrides Incorporated, Beverly, Mass. Pyrophoric alloys of lead and zirconium and sparking devices containing the same. 2,490,570, Dec. 6.
- Anicetti, Robert J., Richland, Wash., assignor to Metal Hydrides Incorporated, Beverly, Mass. Pyrophoric alloy of zirconium, lead, and titanium, and sparking device containing the same. 2,490,571, Dec. 6.
- Animal Trap Company of America, assignee: *See—*
Lehn, John U., and Graybill.
Moen, Richard H., and Graybill.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Toluenesulfonates. 2,461,463, Feb. 8.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Dye-sensitized photographic silver halide emulsion. 2,464,780, Mar. 22.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Trinuclear iminol cyanine dyes. 2,471,996, May 31.
- Anish, Alfred W., Vestal, and C. A. Clark, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Trinuclear cyanine dyes. 2,476,523, July 19.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing N-aryloxy-, arythio- and aryl-selenoalkyl cyanine dyes. 2,481,464, Sept. 6.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Merocyanines and their preparation. 2,482,532, Sept. 20.
- Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Rhodacyanine dyes and preparing the same. 2,490,572, Dec. 6.
- Antiole, Nicholas, Norwood, assignor to Ostby & Barton Company, Providence, R. I. Display stand. 2,486,457, Nov. 1.
- Ankaro, Victor E., Dolton, Ill. Rowboat attachment. 2,466,351, Apr. 6.
- Ankenman, Earl B., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking of series motors. 2,482,453, Sept. 20.
- Ankenman, Earl B., Olathe, Kans., and C. E. Center, Reading, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed control system for motors. 2,484,006, Oct. 11.
- Annen, James E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for setting up cellular cartons. 2,479,994, Aug. 23.
- Anner, Georg: *See—*
Miescher, Karl, and Anner.
- Annesley, Griffith, New York, N. Y. Propeller. 2,473,697, June 21.
- Annin, Douglas H., assignor to Grove Regulator Company, Oakland, Calif. Liquid level indicating apparatus. 2,467,365, Apr. 19.
- Annin, Douglas H., Oakland, assignor, by mesne assignments, to Fluid Control Engineering Co., Emeryville, Calif. Fluid flow control apparatus. 2,479,454, Aug. 16.
- Anorus, Budd W., Eugene, Oreg. Intermittent feed-and-cut wood cutting saws. 2,480,536, Aug. 30.
- Ansbro and Mason, Incorporated, assignee: *See—*
Mason, Frank D.
- Anschicks, David P., Riverside, and F. M. Wright, Berwyn, Ill. Safety calculator. 2,485,181, Oct. 18.
- Anschicks, Rudolph J., C. Widell, and J. R. Mantsh, assignors to Prismacolor, Inc., Chicago, Ill. Multiple lens light control for projectors. 2,461,673, Feb. 15.
- Ansingh, Herman K., Beaufort, N. C., assignee to F. J. Raybould, Lakewood, Ohio. Dual grip contractible hose coupling. 2,472,455, June 7.
- Ansonia O & C Company, The, assignee: *See—*
Schneller, George O., III.
- Ansul Chemical Company, assignee: *See—*
Guise, Arthur B.
Guise, Arthur B., and Johnson.
- Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Oscillator-amplifier radio circuits. 2,461,306, Feb. 8.
- Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Modulating system. 2,461,307, Feb. 8.
- Antheume, Jacques A. O., Saint-Gaudens, assignor to Compagnie Francaise de Raffinage, Paris, France. Isomerization. 2,482,145, Sept. 20.
- Anthes, Clifford C., Union, N. J., assignor to The Linde Air Products Company. Fluid pressure regulator. 2,487,089, Nov. 8.
- Anthes Force Oiler Company, assignee: *See—*
Slater, Paul E.
Tolbert, William P.
- Anthes, Jacob: *See—*
Mikkelsen, Ward C., and Anthes.
- Anthony, Benjamin F.: *See—*
Charman, Walter M., and Anthony.
- Anthony, Benjamin F., Cleveland Heights, assignor to The Ferro Engineering Company, Cleveland, Ohio. Hot top blocking. 2,467,649, Apr. 19.
- Anthony Company, assignee: *See—*
Anthony, William C.
Wachter, Lester W.
- Anthony, David S., and W. B. Blocker, assignors to Anthony Tool Company, San Antonio, Tex. Cutoff tool-holder and blade therefor. 2,487,209, Nov. 8.
- Anthony, Felix M., Piedmont, Calif. Device for crimping tubular articles. 2,469,426, May 10.
- Anthony, Howard E., Benton Harbor, Mich. Inspection cover. 2,480,692, Aug. 30.
- Anthony, John B., Berkeley, assignor to Kaiser Engineers, Oakland, Calif. Panel. 2,471,510, May 31.
- Anthony, Louis W., Albany, Oreg. Attachment for hay-rakes to operate hayrakes from tractor seats. 2,484,666, Oct. 11.
- Anthony Tool Company, assignee: *See—*
Anthony, David S., and Blocker.
- Anthony, William C., assignor to Anthony Company, Streator, Ill. Elevating shovel. 2,488,699, Nov. 22.
- Anthractite Equipment Corporation, assignee: *See—*
Devoll, Lee.
- Antipovitch, Boris, Mexico City, Mexico. Automatic starter for electric motors. 2,471,185, May 24.
- Antles, Leo C., assignee: *See—*
Harwood, James E.
- Anton, Evan J.: *See—*
Marcus, Samuel, and Anton.
- Anton, Nickolas T., Park Ridge, assignor to Wesco Electric Company, Inc., Chicago, Ill. Doorstop. 2,479,597, Aug. 23.
- Antonelli, Bruno, Fall River, Mass. Adjustable work gauging and guiding presser foot. 2,478,073, Aug. 2.
- Antonevich, Michael, assignor to Crawford Manufacturing Company, Inc., New Brunswick, N. J. Stop motion mechanism. 2,467,952, Apr. 19.
- Antonevich, Michael, assignor to The Crawford Manufacturing Company, Incorporated, New Brunswick, N. J. Stop motion for knitting machines. 2,488,614, Nov. 22.
- Antonidis, John E.: *See—*
Bolles, Julius H., Antonidis, and Critchfield.
- Antonidis, John E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,482,534, Sept. 20.
- Antos, Joseph: *See—*
Wilson, Fred D., Antos, and Benbow.
- Anxionnaz, Rene, assignee: *See—*
Imbert, Roger J., and Sedille.
Sedille, Marcel L.
- Anz, Thomas, Tampa, Fla. Shoe heel plate and skate fastening means. 2,470,840, May 24.
- Aparicio, Luis R., Madrid, Spain. Variable filter screen. 2,474,712, June 28.
- Apco Mossberg Company, assignee: *See—*
Booth, Ralph E.
- Apel, Arno A., Ventnor, N. J. Seat for small boats. 2,472,185, June 7.
- Apel, Arno A., Ventnor, N. J. Boat. 2,481,063, Sept. 6.
- Apel, Carl H.: *See—*
Murphy, Frank L., and Apel.
- Apel, Frederick H., Athol Springs, N. Y. Making abrasive grinding members. 2,488,891, Nov. 22.
- Apex Electrical Manufacturing Co., The, assignee: *See—*
Harris, Thomas.
Harris, Thomas, and Skiba.
Harris, Thomas, and Swilik.
- Apex Tool & Cutter Company, assignee: *See—*
Catlin, Louis F., Sr., Rourke, and L. F. Catlin, Jr.
- Apgar, Charles W., and A. L. Rosenfeld, assignors to A. L. Rosenfeld, C. W. Apgar, and F. R. Mann, Philadelphia, Pa., as trustees. Control mechanism for conveyer apparatus. 2,485,952, Oct. 25.
- Apodaca, Alberto R.: *See—*
Blackburn, Wayne E., and Apodaca.
- Appel, Andrew L., St. Louis, Mo. Tremolo producing device. 2,460,868, Feb. 8.
- Appel, Everett H., Aurora, Ill. Agricultural loading machine. 2,460,441, Feb. 1.
- Appel, George C., assignor to Globe-Union Inc., Milwaukee, Wis. Storage battery with notched partition. 2,481,558, Sept. 13.
- Appeldoorn, William R., Detroit, Mich. Personal body air conditioning device. 2,460,269, Feb. 1.
- Applebaum, Milton, New York, N. Y. Combined soap dish. 2,462,299, Feb. 22.
- Applegate, Earl, Frankfort, Ind. Take-up of electric cords. 2,474,566, June 28.
- Applegate, Lindsay M., Portland, Oreg. Vacuum apparatus for impregnating floors. 2,474,567, June 28.
- Applegate, Walter N., Point Pleasant, N. J., and C. A. Petersen, Brooklyn, N. Y. Folding clothes rack. 2,469,911, May 10.
- Appleton Electric Company, assignee: *See—*
Tornblom, Nils A.
- Appleton, John F., Seattle, Wash. Grass-catching attachment for shears. 2,460,616, Feb. 1.
- Applezweig, Norman: *See—*
Ronzone, Silvio E., and Applezweig.
- Applezweig, Norman, New York, N. Y. Cartridge syringe. 2,475,939, July 12.
- Appliance Corporation of America, assignee: *See—*
Horvath, John F.
- Appliance Development Company, assignee: *See—*
Hautau, Charles F.
- Applied Arts Corporation, assignee: *See—*
Hendricks, Cornelius.
- Appling, William L., Uvalde, Tex. Photographic film and screen holder. 2,461,405, Feb. 8.
- Aquanox Corporation, assignee: *See—*
Fuchs, Fritz E.

- Arabian, Jack J., New York, N. Y. Slotting jig. 2,491,470, Dec. 20.
- Aragonés, Jaime G., Geneva, Switzerland, assignor to Alliance Européenne, Societe Anonyme, Tanger (Zone of Tanger). Packing ring arrangement for combustion engine pistons. 2,465,415, Mar. 29.
- Aram, Nathan W., Chicago, Ill., assignor to Zenith Radio Corporation. Resonant circuit and radiator. 2,465,416, Mar. 29.
- Arany, Alec J., Sherman Oaks, Calif. Fireplace screen. 2,483,608, Oct. 4.
- Arbee Products Company, assignee: *See—*
Smith, Travis O.
- Arbogast, Fred, Akron, Ohio, N. E. Arbogast, executrix of said F. Arbogast, deceased. Artificial fish bait. 2,486,626, Nov. 1.
- Arbogast, Nellie E., executrix: *See—*
Arbogast, Fred.
- Archer, Charles E., Birmingham, assignor to Ex-Cell-O Corporation, Detroit, Mich. Lapping tool. 2,481,967, Sept. 13.
- Archer-Daniels-Midland Company, assignee: *See—*
Konen, James C., and Schroeder.
Vanderbilt, Byron M., and Hetcheler.
- Archer, Edward N., Inglewood, Calif. Clamp for applying and removing jar covers. 2,458,329, Jan. 4.
- Archer, James R., East Point, and G. Dunn, Atlanta, Ga., assignors to International Minerals and Chemical Corporation, Chicago, Ill. Preparing silica gel which involves atomizing sodium silicate into acid. 2,483,868, Oct. 4.
- Archer, Nathan G., Lockbourne, Ohio. Roller driving gear. 2,466,068, Apr. 5.
- Archer, Samuel H., Wichita, Kans. Sanitary holder and dispenser for tongue blades. 2,467,799, Apr. 19.
- Archer, Sydney: *See—*
Albertson, Noel F., and Archer.
Albertson, Noel F., Archer, and Suter.
- Archer, Waime, Jr.: *See—*
Pentecost, Horace T., Blier, Nicholls, and Archer.
- Archibald, Francis M.: *See—*
Mottren, Henry O., and Archibald.
- Archibald, Francis M., Elizabeth, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Distillation of alcohols from aqueous mixtures of alkyl sulfates and sulfuric acid. 2,470,206, May 17.
- Arco Company, The, assignee: *See—*
Bobalek, Edward G.
- Arco Corporation, assignee: *See—*
Thomas, Royal D., Jr., and Comstock.
- Ardell, Edgar: *See—*
Fischer, Paul E., and Ardell.
- Arden, Elizabeth, Inc., assignee: *See—*
Andersen, Carl N.
- Arden Farms Co., assignee: *See—*
Berch, Samuel H.
Kipper, Allen F.
Ray, Don.
- Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Ignition plug. 2,482,831, Sept. 27.
- Ardis, Alan E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of monomeric alkyl alpha-cyano-acrylates. 2,467,926, Apr. 19.
- Ardis, Alan E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of monomeric alkyl alpha-cyano-acrylates. 2,467,927, Apr. 19.
- Ardis, Alan E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 1,1-dicyano ethylene by the pyrolysis of 1-acetoxy-1,1-dicyano ethane. 2,476,270, July 10.
- Arditi, Maurice, assignor to International Standard Electric Corporation, New York, N. Y. Electronic discharge device. 2,465,342, Mar. 29.
- Arditi, Maurice, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electronic discharge device for electronic multiplication. 2,462,059, Feb. 22.
- Arditi, Maurice, New York, I. H. Franzel and J. Feinstein, Brooklyn, assignors to International Standard Electric Corporation, New York, N. Y. Multichannel cyclophon. 2,474,810, July 5.
- Arditi, Maurice, New York, I. H. Franzel and J. Feinstein, Brooklyn, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Translating system. 2,474,811, July 5.
- Arditi, Maurice, New York, and J. Feinstein, Brooklyn, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Demodulator. 2,474,812, July 5.
- Arditi, Maurice, New York, I. H. Franzel and J. Feinstein, Brooklyn, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Translator. 2,492,346, Dec. 27.
- Ardoín, Aime, Saint-Jean-de-la Ruelle, and M. Chenillat, La Chapelle-Saint Mesmin, assignors to Etablissements Aera, Orleans, France. Machine tool. 2,468,478, Apr. 26.
- Ardrón, Gerald L., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can edge cleaning means for packing and filling machines. 2,492,826, Dec. 27.
- Araux, Max W., Paw Paw, Mich. Oarlock extension. 2,459,355, Jan. 18.
- Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Shorts handling means for cigarette tobacco feeds. 2,467,248, Apr. 12.
- Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine and Foundry Company. Cigarette tobacco feed. 2,488,844, Nov. 22.
- Arena, Francis J., Bronx, N. Y. Amalgam carrier condenser attachment. 2,476,793, July 19.
- Arencio Aktiebolag, assignee: *See—*
Ekstrom, Gunnar, and Dietmann.
Von Segebaden, Ernst.
- Arend, Fritz W.: *See—*
Sealey, William C., and Arend.
- Arens, Josef F.: *See—*
Van Dorp, David A., and Arens.
- Arent, Arthur, Fort Dodge, assignor to Arthur Arent Laboratories, Inc., Des Moines, Iowa. Plating metal on iron or steel by application of a cold solution of a salt of the metal. 2,477,851, Aug. 2.
- Arent, Arthur, Fort Dodge, assignor to Arthur Arent Laboratories, Inc., Des Moines, Iowa. Aluminum plating process. 2,485,182, Oct. 18.
- Arent, Arthur, Laboratories, Inc., assignee: *See—*
Arent, Arthur.
- Arey, Fred C.: *See—*
Hibner, De Los E., and Arey.
- Argabrite, George A., North Hollywood, assignor to Clarkstan Corporation, Los Angeles, Calif. Electrostrictive translator. 2,478,223, Aug. 9.
- Argabrite, George A., and T. F. Burke, San Diego, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Crystal and fabricating same. 2,489,393, Nov. 29.
- Argus, Incorporated, assignee: *See—*
McLelland, William H., and Ajax.
Meyer, Clarence H.
- Aries, Robert S., Shortbeach, Conn. Oxidation of ethylene to ethylene oxide and other olefines to their oxides. 2,477,435, July 26.
- Arisman, Mervin B., A. J. Vaksvik, and R. W. Magnusen, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Driver for variable resistors. 2,484,667, Oct. 11.
- Arkansas Company, Inc., assignee: *See—*
Cook, Alton A., and Sapers.
- Arkenberg, Albert A., West Carrollton, Ohio. Lawn mower. 2,491,544, Dec. 20.
- Ark-Les Switch Corporation, assignee: *See—*
Batcheller, Hugh W.
- Arma Corporation, assignee: *See—*
Aguis, George.
Davis, Arthur P.
Gittens, Edmund D.
- Armand Manufacturing, Inc., assignee: *See—*
De Heras, Armand, and Bowden.
- Armand, Victor: *See—*
Parrod, Jacques, and Armand.
- Armbrust, John, assignor of one-half to C. W. Eckert, Chicago, Ill. Sausage linking machine. 2,477,031, July 26.
- Armbruster, Richard: *See—*
Neubert, Willi, Krzikalla and Armbruster.
- Armco Steel Corporation, assignee: *See—*
Bloom, Fredrick K.
Burdette, Frank.
Carpenter, Victor W., and Bell.
Clarke, William C.
Clingan, Irvine C.
Feild, Alexander L.
Gifford, Carl E.
Hoover, George R., and Cox.
Hudson, Edwin B.
Klingel, Gilbert C.
Littmann, Martin F.
Mousson, Jean M.
Vaughn, Bernard G., and Fell.
- Armellino, Adolfo, Montevideo, Uruguay. Duplex projection printer. 2,488,258, Nov. 15.
- Armentrout, Arthur L., assignee: *See—*
Claire, Guy K.
Werts, Richard A.
- Armer, Harry R.: *See—*
Lawson, George W., and Armer.
- Armerding, George D., Oak Park, Ill., assignor to Mojonier Bros. Co. Visual observation and silhouette projection apparatus. 2,461,623, Feb. 15.
- Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Springing arrangement for tractor-trailers. 2,460,725, Feb. 1.
- Armington, Raymond Q.: *See—*
Double, Walter F., Armington, and Armington, R. Q.
- Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Swivel connection for hydraulic hoists. 2,466,352, Apr. 5.
- Armington, Stewart F.: *See—*
Double, Walter F., Armington, and Armington, R. Q.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Infrared transmitting glass. 2,469,490, May 10.
- Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Optical glass. 2,490,331, Dec. 6.
- Armitage, James A., Houston, Tex. Hydraulic fishing tool. 2,474,453, June 28.

- Armitage, Joseph B.: *See*—
Kearney, Edward J., Armitage, and Pohl.
- Armitage, Joseph B., Wauwatosa, and H. L. Heywood, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool spindle. 2,483,451, Oct. 4.
- Armitage, Le Roy, Nutley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical potentiometer device. 2,480,995, Sept. 6.
- Armour and Company, assignee: *See*—
Attkisson, Minton S., and Schneider.
Borkenhagen, Raymond H., and Keil.
Coleman, Harold M., Steffen, and Hopkins.
Hoerr, Charles W.
Hopkins, Ervin W.
Josh, George, Harriman, and Hopkins.
Kaiser, Emil.
Kaiser, Emil, and Svarz.
Keil, Harvard L., and Ingraham.
Laird, Elmer R.
Meyers, Carl G., and Harrington.
Ralston, Anderson W., and Corley.
Ralston, Anderson W., Crews, and Colt.
Sifferd, Robert H.
Weisman, Clarence K.
- Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Camras, Marvin, and Flanders.
Danisch, Marion S.
Haloski, Walter J.
Mundt, Walter F.
Vagthorg, Harold A.
- Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Internal sizing mechanism. 2,477,508, July 26.
- Arms, Merton H., Springfield, Vt., and W. J. Augustenovich, Kansas City, Mo., assignors to Bryant Chucking Grinder Company, Springfield, Vt. Mechanism for crush dressing grinding wheels. 2,487,406, Nov. 8.
- Armstrong, Adam E., and W. A. Dehn, assignors to Armstrong Machine Works, Three Rivers, Mich. Thermostatic switch. 2,464,476, Mar. 15.
- Armstrong, Albert G.: *See*—
Brown, Harold P., and Armstrong.
- Armstrong, C. M., Inc., assignee: *See*—
Block, Richard J.
- Armstrong, Charles, Denver, Colo. Ladder jack. 2,485,685, Oct. 25.
- Armstrong, Charles E., assignor to Electric Controls, Inc., Portland, Oreg. Detachable thermostat system. 2,480,827, Sept. 6.
- Armstrong Cork Company, assignee: *See*—
Abbott, Boyd R.
Billmeyer, Bruce R.
Bishop, LeRoy D.
Borthwick, Harold H.
Carman, Frank H.
Gschwend, Paul, and Sharf.
King, Ellis G.
Merley, Robert W., and Navikas.
Schwarz, Frank J.
Stubblebine, Warren.
Weber, Karl H.
- Armstrong, Eldon L., Jackson Heights, and W. A. Beman, Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Oxidation of sulfuric acid heavy alkylate. 2,469,322, May 3.
- Armstrong, Eph A.: *See*—
Liddle, John S., Horton, and Armstrong.
- Armstrong, Ernest, Camden, N. J. Wiper device for car axle journals and the like. 2,459,058, Jan. 11.
- Armstrong, Frank W., Jr.: *See*—
Carpenter, Otis R., and Armstrong.
Kerr, Howard J., Carpenter, Armstrong, and Jessen.
Kerr, Howard J., Carpenter, Armstrong, Jr., and Jessen.
- Armstrong, Frederick S., Oak Park, Ill. Electrical remote position control apparatus. 2,488,259, Nov. 15.
- Armstrong, George A., Barrington, assignor, by mesne assignments, to Budlong, Docherty & Armstrong, Incorporated, Providence, R. I. Making findings for ear ornaments. 2,477,780, Aug. 2.
- Armstrong, George C., Forest Hills, and O. L. Taylor, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit for retentive type relays. 2,486,240, Oct. 25.
- Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal switch. 2,472,082, June 7.
- Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,486,239, Oct. 25.
- Armstrong, Gerald M.: *See*—
Miller, Arthur J., and Armstrong.
- Armstrong, Harry H., Cleveland, assignor, by mesne assignments, to L. Wilson, Rocky River, Ohio. Inner cover for hood-type furnaces. 2,485,995, Oct. 25.
- Armstrong, Jack W.: *See*—
Julian, Percy L., and Karpel, and Armstrong.
- Armstrong, James F., Detroit, Mich., and J. T. W. Moseley, Clayton, assignors to Carter Carburetor Corporation, St. Louis, Mo. Control for fuel supply systems. 2,469,942, May 10.
- Armstrong, John E.: *See*—
Jacuzzi, Candido, and Armstrong.
- Armstrong, Leslie, Detroit, Mich. Toy projectile. 2,478,224, Aug. 9.
- Armstrong, Lowell, and L. B. Willoughby, assignors to Ballard & Ballard Company, Louisville, Ky. Packaged food composition. 2,478,618, Aug. 9.
- Armstrong Machine Works, assignee: *See*—
Armstrong, Adam E., and Dehn.
- Armstrong, Merwin, Hinsdale, Ill. Machine walking device. 2,492,548, Dec. 27.
- Armstrong, Nelson B., Seattle, Wash. Method and apparatus for promoting the growth of vegetation. 2,486,512, Nov. 1.
- Armstrong Siddley Motors Limited, assignee: *See*—
Clark, Thomas, and Harriman.
- Armstrong, Walter, Washington, D. C. Detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,799, Feb. 15.
- Armstrong, Walter, Washington, D. C. Apparatus for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,800, Feb. 15.
- Armstrong, Walter, Washington, D. C. Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,801, Feb. 15.
- Armstrong, Walter, Washington, D. C. Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,802, Feb. 15.
- Armstrong, Walter, Washington, D. C. Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,803, Feb. 15.
- Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Power drive attachment for bicycles. 2,486,095, Oct. 25.
- Armstrong, Werner E., and J. V. Reichenbach, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Closure retaining means. 2,491,070, Dec. 13.
- Army, United States of America as represented by the Secretary of the, assignee: *See*—
Drake, Nathan L., and Shenk.
Drake, Nathan L., and Van Hook.
La Maida, Thomas.
Milton, Clare L., Jr., and Nielson.
Schmid, Russell F.
Wales, Nathaniel B., Jr.
- Armen Company, assignee: *See*—
Sendzimir, Tadeusz, and Eckert.
- Armason, Arni, Winnetka, Ill. Wire rope machine. 2,485,348, Oct. 18.
- Arndt, John P., Jr., Euclid, assignor to The Brush Development Company, Cleveland, Ohio. Surface roughness measuring device. 2,460,726, Feb. 1.
- Arndt, John P., Jr., Euclid, assignor to The Brush Development Company, Cleveland, Ohio. Electromechanical transducer. 2,487,962, Nov. 15.
- Arndt, Walter C., Oshkosh, Wis. Fish lure. 2,481,710, Sept. 13.
- Arne, Christian: *See*—
Larson, Donald E., and Arne.
- Arne, Christian, Chicago, Ill. Lock gate system. 2,459,140, Jan. 18.
- Arne, Christian, Chicago, Ill., assignor to Chicago Bridge and Iron Company. Stabilizing apparatus for lifter roof tanks. 2,477,564, Aug. 2.
- Arnemann, Arthur W., Chicago, Ill. Ellipsograph. 2,468,320, Apr. 26.
- Arne, Helge, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Short-circuited winding. 2,458,237, Jan. 4.
- Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Box. 2,483,030, Sept. 27.
- Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,491,149, Dec. 13.
- Arnhart, Harry A., Tulsa, Okla. Protective guard for rotary machine tools. 2,469,624, May 10.
- Arno Adhesive Tapes, Inc., assignee: *See*—
Gerbing, Willard E.
- Arnold, Alex W., La Crosse, Wis. Apparatus for treating material with a gas. 2,461,134, Feb. 8.
- Arnold, Alex W., La Crosse, Wis. Article conveying mechanism. 2,479,709, Aug. 23.
- Arnold, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Oil cooler tube. 2,488,615, Nov. 22.
- Arnold, Carl S., Cullman, Ala., assignor to Emery Industries, Inc., Cincinnati, Ohio. Dry cleaning. 2,471,667, May 31.
- Arnold, Edwin E., Pittsburgh, T. J. Putz, Upper Darby, and J. S. Newton, Lansdowne, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synchronized planetary reversing gearing. 2,463,012, Mar. 1.
- Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid operated brake. 2,464,960, Mar. 22.
- Arnold, Edwin E., Pittsburgh, and J. S. Newton, Lansdowne, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Planetary gearing. 2,472,559, June 7.
- Arnold, Elberta M., assignee: *See*—
Rehman, Irving.
- Arnold, Ernest A., Monument, Kans. Syringe plug. 2,478,802, Aug. 9.

- Arnold, Frank, McKees Rocks, Pa. Emergency safety signal. 2,484,142, Oct. 11.
- Arnold, Frederick W., Chatham, assignor to Pulverizing Machinery Co., Summit, N. J. Continuous blow ring for filters. 2,476,942, July 19.
- Arnold, George J., Jackson Heights, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera focusing structure having pivoted supplementary lens. 2,482,571, Sept. 20.
- Arnold, Gilbert E., Grenville, Quebec, Canada. Apparatus for collecting urine from horses and other animals. 2,471,186, June 7.
- Arnold, Harold A., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Air separator for granular material. 2,477,160, July 26.
- Arnold, Harold W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polymers and copolymers of acrylic acid nitriles. 2,486,241, Oct. 25.
- Arnold, Harold W., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile-vinylpyridine copolymers. 2,491,471, Dec. 20.
- Arnold, Harold W. and N. E. Searle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fly spray. 2,462,835, Mar. 1.
- Arnold, Harry M., Golden, Colo. Cylinder head for superheated steam engines. 2,464,112, Mar. 8.
- Arnold, Harry M., Golden, Colo. Pressure fired combustion chamber. 2,485,427, Oct. 18.
- Arnold, Ivan W., North Hollywood, Calif. Fly-tying bobbin. 2,479,710, Aug. 23.
- Arnold, Ivan W., North Hollywood, Calif. Fly-tying finisher. 2,491,702, Dec. 20.
- Arnold, John G., Pittsburgh, Pa. Bingo card and numbered indicators therefor. 2,484,143, Oct. 11.
- Arnold, Melvin R., Louisville, Ky., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Extraction. 2,478,619, Aug. 9.
- Arnold, Michael H. M., and W. E. Perry, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of salts of amino methionine acid. 2,471,018, May 24.
- Arnold, Michael H. M., and D. Baxter, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Separation of ethylene from gaseous mixtures. 2,476,472, July 19.
- Arnold, Otto F. A., New York, N. Y., and D. A. Breister, Milwaukee, Wis. Radio system. 2,489,254, Nov. 29.
- Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,471,602, May 31.
- Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,483,869, Oct. 4.
- Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of hydrocarbons. 2,486,627, Nov. 1.
- Arnold, Ralph J.: *See*—
Collins, Ralph D., and Arnold.
- Arnold, Thomas L., West Hartford, assignor to The Vulcan Radiator Company, Hartford, Conn. Space heating system. 2,478,620, Aug. 9.
- Arnold, Thomas L., West Hartford, assignor to The Vulcan Radiator Company, Hartford, Conn. Radiator. 2,487,407, Nov. 8.
- Arnold, Thomas L., West Hartford, assignor to The Vulcan Radiator Company, Hartford, Conn. Radiator cover. 2,489,847, Nov. 29.
- Arnone, Joseph H., and J. M., Kansas City, Mo. Shoe shining device. 2,477,713, Aug. 2.
- Arnone, Josephine M.: *See*—
Arnone, Joseph H., and J. M.
- Arnot, Alfred E., assignor to Rotax Limited, London, England. Electrically actuated remote-control apparatus. 2,467,454, Apr. 19.
- Arnould, Firmin J., Los Altos, Calif. Device for installing wall and ceiling board. 2,490,166, Dec. 6.
- Aro Equipment Corporation, The, assignee: *See*—
Fitch, Clifford E.
Johnson, James P.
Shearman, Spicer D.
- Aron, Walter, Berkeley, Calif., and F. E. Ehlers, Providence, R. I., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Adjustable wave guide joint. 2,463,347, Mar. 1.
- Aronauer Joseph, Incorporated, assignee: *See*—
Saval, Joseph A.
- Arones, Daniel A.: *See*—
Pond, Harold J., and Arones.
- Aronoff, Samuel, assignor to The Globe Industries, Inc., Dayton, Ohio. Electric motor. 2,479,455, Aug. 16.
- Aronovsky, Samuel I.: *See*—
Lathrop, Elbert C., and Aronovsky.
- Aronson, Charles N., Niagara Falls, N. Y. Wheel suspension for vehicles. 2,458,548, Jan. 11.
- Aronson, David, Pine Bluff, Ark., assignor to American Viscose Corporation, Wilmington, Del. Concentration of salts having minimum solubilities at temperatures above those of the initial solutions. 2,459,302, Jan. 18.
- Aronson, David, Greensburg, assignor to Elliott Company, Jeannette, Pa. Refrigerating apparatus. 2,480,693, Aug. 30.
- Aronson, Theodore F.: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.
- Aronson, William, New York, N. Y. Centrifuge apparatus for obtaining blood plasma. 2,461,674, Feb. 15.
- Aronstein, Robert, Brooklyn, N. Y. Filter for fluorescent screens. 2,461,464, Feb. 8.
- Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Hydraulically operated expanding mandrel. 2,478,447, Aug. 9.
- Arpin, Edmund P., Jr., Neenah, Wis. Rotary refiner. 2,475,869, July 12.
- Arpin, John W., Montclair, N. J. Remotely controlled toy. 2,488,464, Nov. 15.
- Arpin, Leon G., assignee: *See*—
Neumann, Henry T.
- Arps, Bruno F., assignor to Arps Corporation, New Holstein, Wis. Scoop attachment for tractors. 2,465,831, Mar. 29.
- Arps, Bruno F. and F. B., New Holstein, Wis. Post hole digger attachment for tractors. 2,480,537, Aug. 30.
- Arps, Bruno F., New Holstein, Wis. Tractor bumper. 2,492,410, Dec. 27.
- Arps Corporation, assignee: *See*—
Arps, Bruno F.
- Arps, Frederick B.: *See*—
Arps, Bruno F. and F. B.
- Arragg, George M., Lawrence, Mass. Oil reservoir. 2,476,575, July 19.
- Arringdale, Roger L., assignor to Diamond Instrument Company, Wakefield, Mass. Telescopic detecting, signaling, and recording. 2,482,233, Sept. 20.
- Arrow-Hart & Hegeman Electric Company, The, assignee: *See*—
Bentley, Robert H.
Foster, Uri D.
Gates, Frederic P.
Johnson, David W.
Schleicher, Harold E.
- Arrowhead Rubber Company, assignee: *See*—
Greenwald, Fred A.
- Arrow Manufacturing Company, assignee: *See*—
Gershon, Melvin.
Spitzer, Lawrence K.
- Arrow Shoe Machinery Co., assignee: *See*—
Sutton, Roy N., and Thomas.
- Arrowood, Charles W., Charlotte, N. C. Electrical stop motion for knitting machines. 2,467,366, Apr. 19.
- Arrowood, Charles W., Charlotte, N. C. Electrical stop motion for knitting machines. 2,468,611, Apr. 26.
- Arsem, William C., Bethesda, Md. Active halogen compounds and their production. 2,472,361, June 7.
- Arters, Edward T., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic control system for reactors. 2,479,289, Aug. 16.
- Art Metal Construction Company, assignee: *See*—
Jones, James R.
Larson, Algot J. E., and Elofson.
- Art Specialty Co., assignee: *See*—
Flori, Irving, and Mugnai.
- Arth, Glen E.: *See*—
Harris, Stanton A., and Arth.
- Harris, Stanton A., Arth, and Hoffman, and Folkers.
- Harris, Stanton A., Folkers, Mozingo, and Arth.
- Mozingo, Ralph, Harris, Arth and Folkers.
- Arthur, James L., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,474,510, June 28.
- Arthur, Jett C., Jr., M. L. Karon, A. F. Pomes, and A. M. Altschul, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Manufacturing artificial fiber from proteins contained in cottonseed. 2,462,933, Mar. 1.
- Arthurs, Oscar F., assignee: *See*—
Holt, Charles W.
- Arthur, Oscar F., Belle Vernon, Pa. Pallet. 2,463,587, Mar. 8.
- Arthur, Oscar F., Belle Vernon, Pa., and R. A. Fletcher, Westford, Mass., said Arthur assignor to Tri-State Engineering Company, Washington, Pa. Pallet. 2,487,687, Nov. 8.
- Arthur, Oscar F., Connellsville, Pa. Pallet of the load transfer type. 2,463,588, Mar. 8.
- Arthur, Oscar F., Connellsville, Pa. Pallet. 2,463,589, Mar. 8.
- Arthur, Paul, Jr.: *See*—
Watson, Frederick K., and Arthur, Jr.
- Arthur, Paul, Jr., and M. S. Raasch, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers from nitropolyhydroxy alcohols and polyamines. 2,475,347, July 5.
- Arthur, Paul, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Latent catalysts for acid-curing aldehyde reaction products capable of forming resins under acidic conditions. 2,484,481, Oct. 11.
- Arthur, Robert A., Santa Monica, assignor to The Garrett Corporation, Alhambra Manufacturing Company division, Los Angeles, Calif. Pressure regulator. 2,463,492, Mar. 1.
- Arthur, William H., assignor to Container Corporation of America, Chicago, Ill. Carton. 2,479,456, Aug. 16.
- Artisan Shoe Company, assignee: *See*—
Rizzo, Joseph D.
- Artley, Wayne C., Des Moines, Iowa. Tube and instrument holder. 2,472,058, June 7.

- Artos Engineering Company, assignee: *See—*
Andren, Karl H.
- Arundale, Erving: *See—*
Frolich, Per K., and Arundale.
- Arundale, Erving, Westfield, N. J., assignor to Standard Oil Development Company. Treatment of synthetic rubber latex. 2,462,591, Feb. 22.
- Arutunoff, Armais, Bartlesville, Okla. Weight-carrying cable. 2,463,590, Mar. 8.
- Arutunoff, Armais, Bartlesville, Okla. Cartridge type seal for rotating shafts. 2,479,711, Aug. 23.
- Arvin, James A., Homewood, Ill., and J. V. Hunn, Avon Lake, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Preparation of alkyl phenols. Re. 23,183, Dec. 20.
- Arvin, James A., Homewood, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of para phenyl phenol resins. 2,463,501, Mar. 8.
- Arwood, Fritts G., Moline, Ill., assignor to Montgomery Elevator Company. Load limit control. 2,479,149, Aug. 16.
- Arwood, James A., Birmingham, Ala. Fishing rod holder. 2,472,059, June 7.
- Arzt, William C., Bedford, Va. Junior motorcycle. 2,488,892, Nov. 22.
- Asachika, George R., Miami, Fla. Combination utility case and roll book. 2,485,802, Oct. 25.
- Asad, Samuel C., assignor to Air-Maze Corporation, Cleveland, Ohio. Filter panel. 2,486,728, Nov. 1.
- Asak, Ragnvald, Vestre Aker, near Oslo, assignor to Christiania Spigerverk, Nydalen, near Oslo, Norway. Treatment of vanadium-bearing ores. 2,482,311, Sept. 20.
- Asaro, Vito, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 2,478,650, Aug. 9.
- Asbill, Clarence M., Jr., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Dispensing apparatus. 2,471,055, May 24.
- Ashbury, Edward M., Wilkesburg, Pa. Portable belt type sanding device. 2,483,720, Oct. 4.
- Aschauer, George R., assignor to Twin Disc Clutch Company, Racine, Wis. Seal. 2,469,588, May 10.
- Aschauer, George R., assignor to Twin Disc Clutch Company, Racine, Wis. Axially engaging clutch. 2,490,398, Dec. 6.
- Ascherl, Michael, Lorain, Ohio. Apparel-hanger cabinet. 2,469,143, May 3.
- Aschner, Thomas C.: *See—*
Nicholl, Leonard, Bitler, and Aschner.
- Ascoli, Enzo, Sainte-Croix, Switzerland, assignor to Paillard S. A. (Paillard A. G., Paillard Limited). Tone arm control for records of different diameters. 2,488,260, Nov. 15.
- Ash, Charles S., Milford, Mich. Vehicle wheel. 2,478,803, Aug. 9.
- Ash, Charles S., Milford, Mich. Vehicle wheel. 2,481,187, Sept. 6.
- Ash, Charles S., Milford, Mich. Vehicle wheel. 2,491,150, Dec. 13.
- Ash, Isaac E., Athens, Ohio. Vent system for sanitary toilets. 2,472,457, June 7.
- Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation. Hydraulic injection of plastics as a continuous strip. 2,485,523, Oct. 18.
- Ashbaugh, Earl H., Petaluma, Calif. Tethering device. 2,481,559, Sept. 13.
- Ashcraft, Ernest G., Chicago, Ill. Variable differential transformer. 2,459,210, Jan. 18.
- Ashcroft, Ethel P., Colorado Springs, Colo. Clothespin. 2,471,186, May 24.
- Ashdown, Thomas J., East Cleveland, assignor to Thompson Products, Inc., Cleveland, Ohio. Spring loaded collet chucking assembly. 2,471,921, May 31.
- Ashenden, Richard C., Jr., Winchester, Mass. Coffee-making apparatus. 2,490,501, Dec. 6.
- Asherman, Irving, New York, N. Y. Still projector simulating television sets. 2,477,032, July 26.
- Asheville Mica Company, assignee: *See—*
Montague, Sidney A.
- Ashford, Leonard F., assignor to Specialty Engineering Company, Philadelphia, Pa. Metallic truck body. 2,478,448, Aug. 9.
- Ashford, Paul J., assignee: *See—*
Leonard, Carl H.
- Ashley, Carlyle M., Fayetteville, assignor to Carrier Corporation, Syracuse, N. Y. Mixed refrigerant system. 2,492,725, Dec. 27.
- Ashley, Donald S., Cleverdale, and W. H. Weaver, Glen Falls, N. Y.: said Weaver assignor to said Ashley. Valve. 2,460,270, Feb. 1.
- Ashley, James H., Melbourne, Fla. Safety razor blade holder. 2,466,296, Apr. 5.
- Ashley, Kenneth D., Noroton, and A. O. Jaeger, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacturing silica-base gel catalysts which includes aging. 2,478,519, Aug. 9.
- Ashley, Merwin F., Arlington, Mass., assignor to United Shoe Corporation, Flemington, N. J. Progressive electronic bonding machine using stray fields. 2,492,347, Dec. 27.
- Ashman, Gregory: *See—*
Harris, Sidney R., and Ashman.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Actuating mechanism for retractable landing gear, doors, flaps, and the like of airplanes. 2,486,242, Oct. 25.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Connecting device. 2,470,800, May 24.
- Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Unloading valve. 2,474,772, June 28.
- Ashton, Everett H., Jersey City, N. J., R. G. Mallard, New York, N. Y., and E. A. Mastriani, Newark, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Picker stick check. 2,484,065, Oct. 11.
- Ashton, Frank, assignor to Bulpitt & Sons, Limited, Birmingham, England. Electric heating element. 2,477,226, July 26.
- Ashton, George M., assignor to Ashton Power Wrecker Equipment Co. Inc., Detroit, Mich. Wrecking truck hoist mechanism. 2,491,357, Dec. 13.
- Ashton, John H., assignee: *See—*
Packwood, Charles W.
- Ashton, Mary F., assignee: *See—*
Packwood, Charles W.
- Ashton, Oscar L., Harvey, Ill. Universal coupling. 2,476,473, July 19.
- Ashton Power Wrecker Equipment Co. Inc., assignee: *See—*
Ashton, George M.
- Ashton, William A., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Independent leverage chuck. 2,473,935, June 21.
- Ashwood, Norman D., Victoria, British Columbia, Canada. Pack board harness. 2,490,332, Dec. 6.
- Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin seam sewing and trimming machine. 2,487,918, Nov. 15.
- Ashworth, Handel, Baldwin, and P. W. Doblin, Brooklyn, N. Y. Apparatus for melting chocolate and other confections. 2,469,709, May 10.
- Ashworth, Harry G., Salamanca, N. Y. Hone for double-edged razor blades. 2,467,650, Apr. 19.
- Ashworth, James E., Oakland, Calif. Rotary lawn sprinkler. 2,475,537, July 5.
- Ashworth, Joseph A., Bernardsville, and R. A. Chegwiddden, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Permeability determination. 2,468,154, Apr. 26.
- Askania Regulator Company, assignee: *See—*
Glass, Paul.
Gundersen, Daniel T.
McCracken, James D.
Ziebolz, Herbert.
- Aske, Irving E., Muskegon, Mich. Electric heating unit and making. 2,477,565, Aug. 2.
- Aske, Irving E., Muskegon, Mich. Electric iron. 2,490,770, Dec. 13.
- Aske, Gilbert, assignor to D. Scott and G. Aske, Chicago, Ill. Laundering or pressing iron holder. 2,487,292, Nov. 8.
- Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Induction motor rotor. 2,469,808, May 10.
- Aske, Leonard E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rheostat control device. 2,470,968, May 24.
- Aske, Leonard E., South Minneapolis, Minn., assignor to General Mills, Inc. Rotor for pancake type induction motors. 2,490,021, Dec. 6.
- Askey, John S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo-electric machine field coil. 2,473,842, June 21.
- Askin, Joseph, Marion, Ind., assignor to Peerless of America, Inc., Chicago, Ill. Apparatus for freezing ice cubes. 2,487,408, Nov. 8.
- Askin, Martin, assignee: *See—*
Askin, Morris W.
- Askin, Morris W., assignor of fifty per cent to M. Askin, Philadelphia, Pa. Locking device for metal casting mold. 2,480,434, Aug. 30.
- Askue, Albert R., Mentor, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Brake for crawler equipped vehicles. 2,483,170, Sept. 27.
- Aspelin, Leslie L.: *See—*
Gavin, Edward M., Grey, Aspelin, and Tate.
- Aspelin, Leslie L., Cleveland, Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Multistage pump. 2,480,435, Aug. 30.
- Aspenleiter, Joseph W., Caledonia, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Shoe member for semirimless tension spectacle mountings. 2,491,071, Dec. 13.
- Aspey, Wayne S.: *See—*
Wallace, James M., Rawlins, Cumming, and Aspey.
- Aspinall, Glenn, Burlington, Wis. Bag holder. 2,474,025, June 21.
- Aspman, Kurt I. L., Chicago, and J. W. O'Brien, Flossmoor, Ill., assignors to American Maize-Products Company. Dewatering corn fibers. 2,465,704, Mar. 29.

- Associated Development and Research Corporation, assignee: *See*—
Buhl, William F.
Torkelson, Torkel E.
Treiss, Herman G., Jr.
Wallach, Irving D.
- Associated Laboratories, Inc., assignee: *See*—
Zimmerman, Merritt A.
- Associated Metals & Minerals Corporation, assignee: *See*—
Schweitzer, Herbert C.
- Associated Photo Products, Inc., assignee: *See*—
Marcus, Samuel, and Anton.
- Associated Spring Corporation, assignee: *See*—
Wells, Joseph W.
- Associated Refrigerating Engineers, assignee: *See*—
Hibbs, Frank J.
- Aston, Royden N., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Solid, stable chlorine dioxide generating compositions. 2,482,891, Sept. 27.
- Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,471,137, May 24.
- Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerant flow controlling device. 2,481,968, Sept. 13.
- Ateliers de Constructions Electriques de Charleroi, assignee: *See*—
Meunier, Marcel.
- Ateliers de Construction Oerlikon, assignee: *See*—
Karrer, Josef.
- Ateliers Houget, Societe Anonyme Vervietoise pour la Construction de Machines, assignee: *See*—
Fischer, Mathieu H. H. M. G.
- Atherton, Frank R., Cambridge, F. Bergel, A. Cohen, and J. W. Haworth, Welwyn Garden City, and H. T. Openshaw, Manchester, and A. R. Todd, Cambridge, England, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Manufacture of phosphorus compounds. 2,490,573, Dec. 6.
- Atherton, Thomas, and F. E. Ryder, assignors to Dorman & Smith Limited, Salford, England. Electrical plug. 2,472,690, June 7.
- Athey Products Corporation, assignee: *See*—
Nadherny, Russell J.
- Athey, Robert L., Hanford, Calif. Safety fuse plug. 2,462,934, Mar. 1.
- Atkin, David, London, England. Closure means for rubber hot-water bottles or bags. 2,485,996, Oct. 25.
- Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Sanding machine. 2,478,074, Aug. 2.
- Atkins, Allen L., Chicago, Ill. Wire clothespin. 2,477,920, Aug. 2.
- Atkins, Carl E., Oak Park, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Method and system of secret communication. 2,463,502, Mar. 8.
- Atkins, Carl E., Evanston, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,463,503, Mar. 8.
- Atkins, Carl E., Evanston, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret radio communication system. 2,463,504, Mar. 8.
- Atkins, Carl E., and A. V. Mitchell, Evanston, Ill., assignors to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,463,505, Mar. 8.
- Atkins, Carl E., Evanston, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Secret signaling system. 2,490,022, Dec. 6.
- Atkins, E. C., and Company, assignee: *See*—
Hess, Joseph J., and Thatcher.
Sare, Otto C.
- Atkins, James W., Huntington, W. Va. Handy shoeshine kit. 2,484,442, Oct. 11.
- Atkins, Samuel L., New York, N. Y. Tobacco pipe. 2,467,002, Apr. 12.
- Atkinson, Earl B., Bay Village, Ohio. Combination receptacle mounting and tie post for dogs. 2,484,263, Oct. 11.
- Atkinson, John W.: *See*—
Swarthout, David S., and Atkinson.
- Atkinson, Ralph H., Westfield, and G. P. Gladis, Bayonne, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Production of palladium articles. 2,471,297, May 24.
- Atkinson, Ralph L.: *See*—
Lund, Malcolm G., Atkinson, and Staunton.
- Atkinson, Ralph H., Westfield, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Induction melting of palladium and palladium alloys. 2,478,225, Aug. 9.
- Atkinson, Raymond F., Mount Vernon, and J. J. Coile, Newark, Ohio. Automatic water temperature control. 2,488,048, Nov. 15.
- Atkinson, Minton S., Wilmette, and A. E. Schneider, Itasca, assignors to Armour and Company, Chicago, Ill. Intestine splitting machine. 2,474,299, June 28.
- Atlantic Refining Company, The, assignee: *See*—
Evans, George H.
Ferris, Seymour W., Lamson, and Smith.
Griesinger, William K.
Gzinski, Felix C.
Hersberger, Arthur B.
Hersberger, Arthur B., and Gozlow.
- Atlantic Refining Company, The, assignee: *See*—Continued.
Hersberger, Arthur B., and Heiligmann.
Hunter, James B.
Kreps, Saul I., and Nachod.
Leum, Leonard N., Macuga and Kreps.
Nevison, John A., and Lincoln.
Turner, William R., Schreiber, and Van Hartesveldt.
- Atlantic Research Associates, Inc., assignee: *See*—
Atwood, Francis C.
- Atlas, Arthur, Leicester, England. Footwear. 2,463,348, Mar. 1.
- Atlas, David, Brooklyn, N. Y. Automatic altimeter setting indicator and transmitter. 2,487,778, Nov. 15.
- Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.
- Atlas Powder Company, assignee: *See*—
Almy, Ernest G.
Barker, George E.
Brandner, John D.
Carl, Marvin H.
Creighton, Henry J., and Hales.
Griffin, William C.
Hales, Ralph A.
McFarland, David M.
Rolland, Guy F.
Trevorrow, William D.
- Atlas Press Company, assignee: *See*—
Karr, Michael J.
- Atlas Toy Company, assignee: *See*—
Gold, Ira.
- Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Cathode cup construction. 2,471,293, May 24.
- Atlee, Zed J., Elmhurst, and W. W. Lange, assignors to General Electric X-Ray Corporation, Chicago, Ill. Electrode structure and device containing the same. 2,477,110, July 26.
- Atomic Energy Commission, United States of America, as represented by the United States, assignee: *See*—
Marlowe, Elbert W., and Wilcox.
- Atomic Games Company, The, assignee: *See*—
Flickinger, Earl D., and Foster.
- Attane, Edward C., Jr.: *See*—
Coe, Clarence S., Attané, and Doumani.
Doumani, Thomas F., Coe, and Attané.
Doumani, Thomas F., Coe, and Attané, Jr.
- Attapulugus Clay Company, assignee: *See*—
Jarnagin, William M.
La Lande, William A., Jr.
McCarte, William S. W.
- Atti, Raphael, Cliffside Park, N. J. Golf ball winding machine. 2,465,992, Apr. 5.
- Attorney General of the United States, Vested in the: *See*—
Adrianoff, Alexandre.
Amiot, Felix.
Boutillon, Henri.
Fouquet, Eugene.
Germain, Georges.
Gruhn, Axel.
Jacobi, Ernest.
Kurtz, Peter.
Laurent, Pierre A.
Levy, Lucien.
Lohs, Willy.
Lolkema, Jan.
Longepierre, Henri.
Mickley, Erich.
Möhl, Torben.
Muller, Geza W.
Muller, Jacques.
Orthner, Ludwig, Balle, Schild, Schürmann, Broder-sen, and Quaedvlieg.
Plump, Ernst H.
Riehs, Carl.
Rohn, Wilhelm.
Von Opel, Fritz.
Weston, Herbert.
Wolff, Julius.
Zeehuisen, Jacob J.
- Attula, Ernst F., Los Angeles, Calif. Bait holder and dispenser. 2,478,621, Aug. 9.
- Atwood, Percy G., assignor to Accles & Pollock Limited, Oldbury, England. Bow for violins and other stringed instruments. 2,466,834, Apr. 12.
- Atwater, Karl W., Pittsburgh, Pa. Composite floating bearing journal. 2,471,187, May 24.
- Atwater-Strong Company, assignee: *See*—
Strong, Basil P.
- Atwell, Clarence A.: *See*—
Mueller, Erich O., and Atwell.
- Atwell, Clarence A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Slot wedge for dynamoelectric machines. 2,484,007, Oct. 11.
- Atwell, Clarence A., and W. A. Brecht, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tapered-pole-face generator. 2,465,186, Mar. 22.
- Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of water gas. 2,461,021, Feb. 8.

- Atwell, Harold V., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Carrying out exothermic reactions. 2,473,129, June 14.
- Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Simultaneous dehydrogenation and hydrocarbon synthesis with fluidized catalysts in a single reactor. 2,486,243, Oct. 25.
- Atwood, Francis C., Newton, assignor to Atlantic Research Associates, Inc., Newtonville, Mass. Making alkyl acrylates. 2,464,364, Mar. 15.
- Atwood, George E., Carlsbad, N. Mex., assignor to International Minerals & Chemical Corporation, Chicago, Ill. Preventing sylvite crystals from caking. 2,480,694, Aug. 30.
- Atwood, Hyatt B., and C. Fillinger, assignors to Herr Manufacturing Company Inc., Buffalo, N. Y. Spinning ring. 2,470,736, May 17.
- Atwood, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Electronic switching system in a diversity receiving system. 2,492,780, Dec. 27.
- Atwood, John B., and B. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Crystal rectifier converter. 2,469,222, May 3.
- Atwood, John B., and B. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Mounting for electron discharge device of the high-frequency type. 2,474,026, June 21.
- Atwood, Ralph W., Canby, assignor to C. L. Cooper, Aurora, Oreg. Garden tractor drive transmission mechanism. 2,465,567, Mar. 29.
- Atwood Vacuum Machine Company, The, assignee: *See*—Lustig, Walter R.
- Atwood, Wilfrid L., Newton Lower Falls, Mass., assignor to The Girdler Corporation, Louisville, Ky. Variable inductance device. 2,461,804, Feb. 15.
- Atwood, Wilfrid L., Newton Lower Falls, Mass., assignor to The Girdler Corporation, Louisville, Ky. Anode cooling system. 2,484,542, Oct. 11.
- Atwood, Winfield A., Yeadon, and E. W. Boehne, Drexel Hill, Pa., assignors to General Electric Company. Arc extinguishing device. 2,460,727, Feb. 1.
- Aubert, Fred B., Detroit, Mich. Electric controlling system. 2,459,356, Jan. 18.
- Aubert, Fred B., Detroit, Mich. Fuel pressure responsive burner controlling apparatus. 2,484,008, Oct. 11.
- Aubert, Fred B., Grosse Pointe, Mich. Combustion heating apparatus and controls therefor. 2,484,602, Oct. 11.
- Auble, Arthur J., Ord, Nebr. Marquise or canopy for buildings. 2,474,713, June 28.
- Auburn Spark Plug Co., Incorporated, assignee: *See*—Battey, Alexander J.
- Audemar, Pierre, La Garenne-Colombes, and C. Duchaussoy, Paris, assignors to Oler Patent Cy, Luxembourg (Duchy of Luxembourg), and Compagnie Generale Pour l'Equipeement Aeronautique, Paris, France. Hydraulic control device. 2,484,603, Oct. 11.
- Audet, Esdras, Shawinigan Falls, Quebec, Canada. Key controlled lock. 2,458,046, Jan. 4.
- Audibert, Marcel, Quebec, Quebec Canada. Filter for air lines. 2,490,502, Dec. 6.
- Audier, Mark, Milwaukee, and W. H. Elliott, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control of energy supplied to translating devices. 2,458,131, Jan. 4.
- Audrieth, Ludwig F.: *See*—Hale, George C., and Audrieth.
- Audrieth, Ludwig F., and De W. D. Sager, Dover, N. J., assignors to United States of America as represented by the Secretary of War. Making a high-density explosive. 2,482,089, Sept. 20.
- Audrieth, Ludwig F., and De W. D. Sager, Dover, N. J., assignors to the United States of America as represented by the Secretary of War. Making a high-density explosive. 2,482,090, Sept. 20.
- Audrieth, Ludwig F., and De W. D. Sager, Dover, N. J., assignors to the United States of America as represented by the Secretary of War. Making a high-density explosive. 2,482,091, Sept. 20.
- Aue, Georg, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Centrifugal compressor. 2,465,625, Mar. 29.
- Aue, Georg, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Multistage compressor. 2,474,410, June 28.
- Auer, George A., Chicago, Ill. Streamcurrent apparatus for handling materials. 2,464,478, Mar. 15.
- Auer, George A., Chicago, Ill. Mechanical mixer. 2,468,389, Apr. 26.
- Auer, William, and P. E. John, Irondequoit, N. Y. Expansion reamer. 2,476,019, July 12.
- Auerbach, Zemach, New York, N. Y. Magazine for razor blades. 2,468,612, Apr. 26.
- Auerbacher, Werner F.: *See*—Paradise, Lionel P., and Auerbacher.
- Aufiero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Combined electric fan and air heating means. 2,473,325, June 14.
- Augustenovich, Walter J.: *See*—Arms, Merton H., and Augustenovich.
- Augustine, Frederick B., Jefferson, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Esters of product obtained by reacting pentaerythritol and thiodiglycol. 2,476,129, July 12.
- Aukerman, Lee W.: *See*—Gardner, Benjamin R., Wilbur, and Aukerman.
- Aumuller, Edward F., Lynbrook, N. Y., assignor to The Sperry Corporation. Gyroscopic artificial horizon. 2,485,552, Oct. 25.
- Aurell, Carl-Georg P., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Radio speed and distance indicator. 2,467,455, Apr. 19.
- Ausland, Lewellyn L., and J. F. McLimans, Duluth, Minn. Water-cooled panel for open-hearth furnaces. 2,477,161, July 26.
- Auslender, Pearl, Chicago, Ill. Maternity garment. 2,470,678, May 17.
- Aussenberg, Manassah: *See*—Kestbaum, Paul, and Aussenberg.
- Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,458,822, Jan. 11.
- Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. High-frequency vibrator mechanism. 2,473,353, June 14.
- Aust, Robert J., and C. Huetten, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., High-frequency vibrator. 2,490,895, Dec. 13.
- Austenal Laboratories, Incorporated, assignee: *See*—Erdle, Reiner W.
- Erdle, Reiner W., and Schaar.
- Feagin, Roy C.
- Zahn, Eric H.
- Auster Limited, assignee: *See*—Small, Walter W.
- Austin, Abraham L., Oak Park, Ill. Building wall structure. 2,477,111, July 26.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,467,720, Apr. 19.
- Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contactor. 2,476,794, July 19.
- Austin, Bascum O., Lima, Ohio, and K. A. Oplinger, Verona, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carbon pile regulator. 2,468,018, Apr. 26.
- Austin, Ben R., Nashville, Tenn. Slide fastener. 2,463,937, Mar. 8.
- Austin, Charles V., Eltham, assignor to J. Stone & Company Limited, Deptford, England. Electric regulator of the carbon pile type. 2,489,071, Nov. 22.
- Austin, Donald D., Sr., assignor to National Broach & Machine Company, Detroit, Mich. Shaving shoulder gears. 2,484,482, Oct. 11.
- Austin, Donald D., Sr., assignor to National Broach & Machine Company, Detroit, Mich. Gear shaping cutter. 2,491,637, Dec. 20.
- Austin, Dwight E., and W. B. Fageol, assignors to Twin Coach Company, Kent, Ohio. Vehicle spring suspension. 2,473,500, June 21.
- Austin, Frank B., Groton, Conn. Heat-treatment for metal articles. 2,467,367, Apr. 19.
- Austin, Gerald D., Atlanta, Ga., and M. Wishnovsky, Yeadon, Pa. Copy table assembly. 2,484,809, Oct. 18.
- Austin, Gerald D., Atlanta, Ga., and M. Wishnovsky, Yeadon, Pa. Sheet holding device. 2,487,779, Nov. 15.
- Austin, Harold S., Dallas, Tex. Hypodermic syringe. 2,457,859, Jan. 4.
- Austin, John, Beddington, England, assignor to Bryans Aeroquipment Limited. Apparatus for testing gyroscopic instruments. 2,490,574, Dec. 6.
- Austin, John B.: *See*—Lane, George L., Lichtenfeld, and Austin.
- Austin, Kirby B., Bridgeport, Conn., assignor, by mesne assignments, to Allied Control Company, Inc. Hotbox signal for railway trains. 2,486,546, Nov. 1.
- Austin, Leslie W., San Jose, and D. Rhodes, Palo Alto, assignors to The Permanente Metals Corporation, Oakland, Calif. Stabilized soret cement and making. 2,466,145, Apr. 5.
- Austin, Leslie W., San Jose, and J. C. Hicks, and C. A. Rick, Menlo Park, assignors to The Permanente Metals Corporation, Oakland, Calif. Catalytic crystallization of magnesium oxide. 2,487,290, Nov. 8.
- Austin Motor Company Limited, The, assignee: *See*—Haefeli, Julius C.
- Weaving, John H., and Highfield.
- Austin, Oliver K., Kansas City, Kans., assignor to Phillips Petroleum Company. Variable flow gas sampling method and apparatus. 2,489,394, Nov. 29.
- Austin-Western Company, assignee: *See*—Wilson, Fred D., Antos, and Benbow.
- Austin, William E.: *See*—Van Dinter, George L., and Austin.
- Austin, William E., Baltimore, Md. Safety device for aircraft controls. 2,478,173, Aug. 9.
- Ausubel, Henry, Brooklyn, N. Y. Protective doorplate. 2,489,072, Nov. 22.
- Auten, Howard L., Glen Ellyn, Ill. Cigarette and match case. 2,458,923, Jan. 11.
- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Synchronizer. 2,478,355, Aug. 9.
- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control mechanism. 2,473,356, Aug. 9.

- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Wheel block. 2,481,065, Sept. 6.
- Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,481,465, Sept. 6.
- Auten, Robert W., Jenkintown, assignor to Rohm & Haas Company, Philadelphia, Pa. Urea resins containing aminoalkoxy substituents. 2,471,188, May 24.
- Auto Appliance Patents Co., The, assignee: *See*—Clark, Joel B.
- Autocar Company, The, assignee: *See*—Bachman, Benjamin B., and Macklin.
- Autocrat Inc., assignee: *See*—Wetzel, Joseph L., Chakiris, and Poorman.
- Auto Diesel Piston Ring Company, assignee: *See*—Heinrich, August H.
Smith, Roland D.
- Autogiro Company of America, assignee: *See*—Campbell, Hartsis S.
Pitcairn, Harold F.
- Autographic Register Company, assignee: *See*—Borchers, William G.
- Automatic Burner Corporation, assignee: *See*—Hearst, Jack W.
- Automatic Developer, assignee: *See*—Janapol, Melvin N., and Gould.
- Automatic Device Corporation, assignee: *See*—Johnson, Arthur A.
- Automatic Draft and Stove Co., Inc., assignee: *See*—Harding, George W.
- Automatic Electric Laboratories, Inc., assignee: *See*—Baker, George T.
Balzer, Harvey M.
Beale, Charles E., and Hopley.
Burgener, Karl L.
Curtis, Richard J., and Miller.
Evers, Harry G.
Giannini, Gabriel M.
Gillings, Charles, and Beale.
Grandstaff, Otho D.
Graybill, Kenneth W.
Graybill, Kenneth W., and Sengebusch.
Grimes, Harlan E.
Hadfield, Bertram M.
Hardgrave, Everett J.
Herrick, Roswell H.
Jones, Roy W.
Kessler, Frank
Kucera, Barney J.
Lomax, Clarence E.
Lomax, Clarence E., and Jones.
McClew, John W., and Pearce.
McCreary, Harold J.
Mitchell, George W.
Montani, Angelo.
Newstedt, Harry N.
Ostline, John E.
Pearce, Owen A.
Peterson, Edward S.
Pond, James C.
Riebe, Theodore C.
Sands, Roy G.
Staats, Henry N.
Stehlik, Rudolph F.
Stonor, Charles R. P.
Taylor, Reginald, and Baker.
Voss, John H.
Voss, John H., and Jones.
Wood, Fredric E.
- Automatic Electrical Devices Company, assignee: *See*—Goshorn, Robert R.
- Automatic Kneeler Corporation, assignee: *See*—Bernhard, Benjamin S.
- Automatic Locking Devices, Incorporated, assignee: *See*—Spragen, Louis.
- Automatic Manufacturing Corporation, assignee: *See*—Mazzola, Joseph R.
- Automatic Screw Machine Co., assignee: *See*—Patterson, Louis L.
- "Automatic" Sprinkler Company of America, assignee: *See*—Rider, Harry N.
- Automatic Telephone & Electric Company Limited, assignee: *See*—Gillings, Charles, and Cowley.
Saville, Willie.
Smith, Sidney R.
- Automatic Temperature Control Co., Inc., assignee: *See*—Hunt, Walter L.
MacGeorge, William D.
- Automatic Voting Machine Corporation, assignee: *See*—Gustavson, Alvin N.
- Automobile Devices, Incorporated, assignee: *See*—Du Perret, Arthur W.
- Automotive & Aircraft Hydraulics Inc., assignee: *See*—Berger, Alexander.
- Automotive Products Company Limited, assignee: *See*—Chouings, Leslie C.
Parker, Sydney M.
Parnell, Frank G.
Simpson, John K.
- Autophon Aktiengesellschaft, assignee: *See*—Kappeler, Hans.
Tschumi, Otto.
- Autopoint Company, assignee: *See*—Bauer, Hans A.
Beckstrom, Garfield L.
Unger, Paul O.
Woods, Fred D.
- Autopulse Corporation, assignee: *See*—Harrington, Lester B.
- Auto Research Corporation, assignee: *See*—Kocher, Edward H.
- Auto Specialties Manufacturing Company, assignee: *See*—Mueller, Joseph J.
- Auto Sun Products Company, The, assignee: *See*—Haefner, William C.
- Autovore Company, Incorporated, The, assignee: *See*—Kurti, Alexander.
Murphy, John J.
Sanford, Roy S.
Sanford, Roy S., and Andres.
- Auxier, Frank M., Pasadena, Calif. Fluid flow indicator. 2,489,512, Nov. 29.
- Auxier, Robert W., and P. Norelli, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laminating machine. 2,479,290, Aug. 16.
- Auzin, John M., Warwick, R. I., assignor to Davol Rubber Company. Inflation indicator for catheters. 2,473,742, June 21.
- Auzin, John M., Warwick, R. I., assignor to Davol Rubber Company. Making inflatable catheters having preformed balloon sacs. 2,481,488, Sept. 13.
- Avakian, Souren: *See*—Martin, Gustav J., and Avakian.
- Avakian, Souren, Oreland, assignor to The National Drug Company, Philadelphia, Pa. Benzoic acid derivatives. 2,458,823, Jan. 11.
- Avakian, Souren, Oreland, and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. Paranitrobenzyl ethers of tyrosine and certain derivatives. 2,477,537, July 26.
- Avallone, Samuel C., Cleveland Heights, A. W. Harris and E. J. Whiting, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Process and bath for copper coating ferrous metal. 2,472,393, June 7.
- Avco Manufacturing Corporation, assignee: *See*—Anderson, William S., Jr.
Bass, Harland A.
Baylor, Arthur D.
Belsky, Charles.
Benson, Ralph L., and Silvers.
Bussard, Emmery J. H.
Cohen, Jeffrey S.
Ebbeler, John R.
Goldsmith, Francis H.
Newell, Harold A., and Kramer.
Oppenheim, Theodore H.
Reid, John D., and Holst.
Reid, John D., and Kilgour.
Riple, James C., Jr.
Shea, Frank M.
Synck, Adolph J., and Vutz.
Tuschling, Herman A.
Vutz, Wilhelm.
- Avedon, Harvey, New York, N. Y. Magnetic cuff link. 2,483,031, Sept. 27.
- Avelli, Philip A., Richmond Hill, N. Y. Bobby pin dispenser. 2,477,034, July 26.
- Averna, Frank, Ridgewood, N. Y. Cigarette locking hinge for cigarette cases. 2,474,714, June 28.
- Avers, Franklin H., Portage, and E. C. Krebs, Evansville, Wis., assignors to G. P. Krebs, trustee. Stereoscopic viewer. 2,478,556, Aug. 9.
- Aversa, Joseph, Brooklyn, N. Y. Combination tie clasp and chambered holder. 2,460,728, Feb. 1.
- Avery, Charles R., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass feeder shear mechanism actuating means. 2,472,560, June 7.
- Avery, Fred J., Chicago, Ill. Clamp for lift trucks. 2,475,367, July 5.
- Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Ten key entry mechanism. 2,459,862, Jan. 25.
- Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Automatic decimal and shift control mechanism. 2,467,419, Apr. 19.
- Avery, Harold T., Oakland, Calif. Airplane and helicopter sustained aircraft. 2,468,913, May 3.
- Avery, Harold T., Oakland, Calif. Airscrew. 2,475,121, July 5.
- Avery, Howard S., Mahwah, N. J., assignor to American Brake Shoe Company, New York, N. Y. Heat-resistant alloys. 2,465,780, Mar. 29.
- Avery, Maurice R., Wauwatosa, Wis., assignor of one-half to R. A. Miller, Chicago, Ill. Duplicating machine. 2,466,873, Apr. 12.
- Avery, Ralph L., Oakland, Calif. Electrical plug. 2,474,454, June 28.
- Avery, Sidney A., Paterson, N. J. Dress shirt. 2,488,795, Nov. 22.
- Aves, Fred J., Beverly Hills, Calif. Curbing signal. 2,464,365, Mar. 15.

- Aves, Fred J., Beverly Hills, Calif. Rearview mirror adjustable by rotation about a median axis. 2,473,698, June 21.
- Avey, Ida V.: *See—*
Sanders, Dorothy M., and Avey.
- Aviation Developments Limited, assignee: *See—*
Diaper, Herbert E.
- Avigdor, Rifat, Toronto, Ontario, Canada. Fastening of wires to commutators for electric motors. 2,476,795, July 19.
- Avigdor, Rifat, Toronto, Ontario, Canada. Phonograph record filing system. 2,482,572, Sept. 20.
- Avila, Charles F., Milton, Mass., assignor to the United States of America as represented by the Secretary of War. Automatic altitude and pressure compensator for aerial camera lenses. 2,470,455, May 17.
- Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Vehicle axle suspension. 2,461,867, Feb. 15.
- Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Transmission. 2,464,479, Mar. 15.
- Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Axle suspension system for vehicles. 2,467,721, Apr. 19.
- Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Synchronizer. 2,470,208, May 17.
- Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Multiratio drive mechanism, especially for the axles of motor vehicles. 2,480,210, Aug. 30.
- Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Vehicle axle suspension. 2,480,211, Aug. 30.
- Avitecnica, Inc., assignee: *See—*
Niedelman, Samuel, and Rauscher.
- Axe, Roy T., Jordan, assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Bearing mounting. 2,488,654, Nov. 22.
- Axe, William N.: *See—*
Wagner, Cary R., and Axe.
- Axe, William N., Bartlesville, Okla., assignee to Phillips Petroleum Company. Production of aromatic derivatives. 2,471,922, May 31.
- Axel Harald Holstenon, assignee: *See—*
Wennerbo, Erik, and Norén.
- Axell, Archie, Minneapolis, assignor to Haaky Manufacturing Company, St. Paul, Minn. Horizontal rotary scalper. 2,469,943, May 10.
- Axelrad, Bernard A.: *See—*
Fitzhugh, Robert R., Frederick, and Axelrad.
- Axelrod, Solomon, New York, N. Y. Basketball toy paddle. 2,471,511, May 31.
- Axelsson, Johan A., Eskilstuna, assignor to Aktiebolaget Fr. Ramström, Stockholm, Sweden. Chuck. 2,458,824, Jan. 11.
- Axford, Joseph M. and M. S., Troutdale, Ore. Cover for automobile visors. 2,486,096, Oct. 25.
- Axford, Luther, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Improving the tensile strength of grey cotton yarn. 2,471,554, May 31.
- Axford, Mary S.: *See—*
Axford, Joseph M. and M. S.
- Axtell, Harold J., Rochester, N. Y. Universal coupler for supporting cameras on tripods. 2,459,676, Jan. 18.
- Aycock, Walter F., El Centro, assignor, by mesne assignments, to Tank Fertilizer, Inc., Brawley, Calif. Trailer. 2,460,442, Feb. 1.
- Ayers, Albert A. and C. R., Mize, Miss. Headrest device. 2,488,155, Nov. 15.
- Ayers, Charles R.: *See—*
Ayers, Albert A. and C. R.
- Ayers, David T., Jr.: *See—*
Ingres, Jeannot G., and Ayers, Jr.
- Ayers, Edgar H., and A. G. Elmendorf, Schenectady, N. Y., assignors to General Electric Company. Electric switch. 2,492,726, Dec. 27.
- Ayers, Fred L., Waltham, Mass. Shoe with integral insole and backstay. 2,460,669, Feb. 1.
- Ayers, Fred L., Waltham, Mass., assignor of twenty-two one-hundredths to C. G. Keferstein, New York, N. Y. Innersole and making the same. 2,465,506, Mar. 29.
- Ayers, Fred L., Watertown, Mass., assignor of twenty-two one-hundredths to C. G. Keferstein, New York, N. Y. Innersole and making the same. 2,461,713, Feb. 15.
- Ayers, Henry B., Cincinnati, Ohio. Bracket support for edging strips. 2,491,638, Dec. 20.
- Ayerst, McKenna & Harrison Limited, assignee: *See—*
Grant, Gordon A.
Savard, Kenneth.
- Ayre, James E., Mount Royal, Quebec, Canada, assignor to Clay-Adams Company, Inc. Cervical scraper. 2,471,088, May 24.
- Ayres, John E., Elizabeth, N. J. Steam generation. 2,479,664, Aug. 23.
- Ayres, Waldemar A., Kew Gardens Hills, and M. F. Bates, Brooklyn, N. Y., assignors to The Sperry Corporation. Automatic pilot for helicopters. 2,479,549, Aug. 23.
- Azbe Corporation, assignee: *See—*
Azbe, Victor J.
- Azbe, Victor J., Webster Groves, assignor to Azbe Corporation, University City, Mo. Calcining apparatus. 2,470,543, May 17.
- B. & B. Oil Tool Co., assignee: *See—*
Brown, Howard C.
- B. F. D. Company, assignee: *See—*
Foote, James.
- B. J. Machine Company: *See—*
Jakubowski, Bruno.
- B. M. C. Manufacturing Corporation, assignee: *See—*
Ward, Vincent S., and Hurlbut.
- B. M. C. Manufacturing Corporation, assignee: *See—*
Ward, Vincent S., and Hurlbut.
- Baak, Albert E.: *See—*
Sparrow, Hubert T., and Baak.
- Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Hydraulic stoker control. 2,470,969, May 24.
- Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure control apparatus. 2,473,776, June 21.
- Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,476,277, July 19.
- Baalbergen, James N., Montebello, Calif. Butter or other material slicer. 2,479,712, Aug. 23.
- Baarlaer, Raymond C.: *See—*
Dales, Harold E., and Baarlaer.
- Baash-Ross Tool Company, assignee: *See—*
Johnson, Glenn D.
- Babajoff, Nicholas R., Birmingham, assignor to Akrit Industries, Incorporated, Farmington, Mich. Electric switch. 2,486,909, Nov. 1.
- Babayan, Vigen K., Teaneck, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Chlorination of polyethylene. 2,481,188, Sept. 6.
- Babb, Tully H.: *See—*
Jackson, Elwood C., and Babb.
- Babbitt, Charles A., South Gate, assignor, by mesne assignments, to Consolidated Western Steel Corporation, Los Angeles, Calif. Electric arc welding. 2,489,002, Nov. 22.
- Babcock, Albert L.: *See—*
Mueller, Otto J., and Babcock.
- Babcock Box Co., Inc., assignee: *See—*
Carpenter, Albert J., Jr.
- Babcock, Dale F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vacuum distillation of trimethylamine from dimethylamine. 2,461,191, Feb. 8.
- Babcock, Donald E.: *See—*
Grant, John A., and Babcock.
- Babcock, Kenneth L., Muskegon, assignor to Air Control Products, Inc., Coopersville, Mich. Wall register and the like. 2,466,353, Apr. 5.
- Babcock, Kenneth L., Muskegon, assignor to Air Control Products, Inc., Coopersville, Mich. Air duct control. 2,474,455, June 28.
- Babcock, Pearl D., Warehouse Point, assignor to Geo. P. Clark Co., Windsor Locks, Conn. Compound swivel caster. 2,478,035, Aug. 2.
- Babcock, Roger S., Cranford, N. J., assignor to The Linde Air Products Company. Cutting thick steel. 2,491,024, Dec. 13.
- Babcock, Verner E., Oak Harbor, Ohio. Backlash preventer for fishing reels. 2,458,047, Jan. 4.
- Babcock & Wilcox Company, The, assignee: *See—*
Bailey, Ervin G.
Bailey, Ervin G., and Dickey.
Carpenter, Otis R., and Armstrong.
Ebersole, George B.
Ely, Frederic G., and Rogers.
Fletcher, James.
Gay, Cecil H.
Harter, Isaac and N., Jr., and Christie.
Kerr, Howard J., Carpenter, Armstrong, and Jessen.
Kerr, Howard J., Fletcher, Watts, and Kooistra.
Kohler, Anthony M.
Langvand, Ivar L.
Maxwell, Carl A., and Craven.
- Babee-Tenda License Corporation, assignee: *See—*
Chase, Ralph S., and Park.
Puls, Alfred E., and Swenson.
- Babicky, Walter J., Milwaukee, Wis. Amplified accordion. 2,460,408, Feb. 1.
- Babienco, Axentie T., San Diego, Calif. Compositions for intravenous treatment of genito-urinary infections and essential hypertension. 2,469,759, May 10.
- Babigian, George H., Ferndale, Mich. Bombing game. 2,466,069, Apr. 5.
- Babson Bros. Co., assignee: *See—*
Babson, Henry B.
Babson, Henry B., and Thomas.
Thomas, Chester A.
- Babson, Henry B., Chicago, Ill., assignor to Babson Bros. Co. Valve. 2,464,917, Mar. 22.
- Babson, Henry B., Chicago, Ill., assignor to Babson Bros. Co. Supporting arrangement for milkers. 2,483,516, Oct. 4.
- Babson, Henry B., Chicago, and C. A. Thomas, Crystal Lake, Ill., assignors to Babson Bros. Co. Milking parlor. 2,477,035, July 26.
- Babson, Isabelle H., assignee: *See—*
Kinyon, Christing H.
- Babson, Robert D., assignor to Merck & Co., Inc., Rahway, N. J. Preparing alkyl acrylates. 2,459,059, Jan. 11.

- Babson, Robert D., assignor to Merck & Co., Inc., Rahway, N. J. Preparing substituted propionic acids. 2,474,715, June 28.
- Baca, Hugo H.: *See*—
Neumann, Charles A., and Baca.
- Baccaro, Frank P., San Francisco, Calif. Building block. 2,460,330, Feb. 1.
- Bach, Charles G., assignor to The Vilter Manufacturing Co., Milwaukee, Wis. Refrigerant feed for vertical evaporator refrigerating systems. 2,463,671, Mar. 8.
- Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,463,472, Mar. 1.
- Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Finishing piezoelectric crystals. 2,470,737, May 17.
- Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Temperature compensated crystal unit. 2,470,738, May 17.
- Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Holder for piezoelectric crystals and the like. 2,486,547, Nov. 1.
- Bach, Niels B., New York, N. Y., assignor to The Mirreless Watson Company Limited, Glasgow, Scotland. Clarifier. 2,467,003, Apr. 12.
- Bach, Robert F., Detroit, Mich. "Flying wing" kite. 2,463,135, Mar. 1.
- Bachelder, Albert J., Lexington, assignor to Polaroid Corporation, Cambridge, Mass. Stereocamera film and shutter wind. 2,476,576, July 19.
- Bachele, Albert T., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Core-type reel drive. 2,476,796, July 19.
- Bachle, Carl F.: *See*—
Vincent, Edward T., and Bachle.
- Bachle, Carl F., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Strip-type thermocouple. 2,476,020, July 12.
- Bachle, Carl F., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Force transmitting member. 2,482,312, Sept. 20.
- Bachleda, Matthew E., Chicago, Ill., assignor to W. F. Stahl, trustee. Handling and treating tubular fabric bodies. 2,474,967, July 5.
- Bachli, Herman, and H. S. Shapiro, Chicago, assignors to Chicago Specialty Mfg. Co., Inc., Chicago, Ill. Tube flaring device and holder therefor. 2,489,360, Nov. 29.
- Bachman, Benjamin B., Philadelphia, and D. J. Macklin, St. Davids, Pa. Suspension system. 2,458,549, Jan. 11.
- Bachman, Benjamin B., Philadelphia, and D. J. Macklin, St. Davids, assignors to The Autocar Company, Ardmore, Pa. Auxiliary transmission. 2,459,911, Jan. 25.
- Bachmann Bros., Inc., assignee: *See*—
McNeill, Albert G.
- Bachman, Charles H., Scotia, N. Y., assignor to General Electric Company. Electric discharge device of the indicator type. 2,486,814, Nov. 1.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,469,912, May 10.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,171, Sept. 27.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,172, Sept. 27.
- Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Composite brake rotor. 2,485,082, Oct. 18.
- Bachman, William S., Fairfield, Conn., assignor to General Electric Company. Variable resistance phonograph pickup. 2,491,794, Dec. 20.
- Back, Raymond R., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,474,211, June 28.
- Backart, Lloyd C., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich. Safety device for conveyor supports. 2,489,947, Nov. 29.
- Backe-Hansen, Einar: *See*—
Heyerdahl-Larsen, Reidar and Backe-Hansen.
- Backer, Christian B., Ottawa, Ontario, Canada. Terminal block. 2,472,738, June 7.
- Backer, Christian B., Ottawa, Ontario, Canada. Tubular electric heating element and method of making the same. 2,490,611, Dec. 6.
- Backhouse, Headley T., Wentworth, England. Sheet separating mechanism. 2,476,577, July 19.
- Backhus, Fred, Carlstadt, N. J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Safety mechanism for preboarding machines. 2,484,668, Oct. 11.
- Backlin, Carl A.: *See*—
Backlin, Isabelle J. and C. A.
- Backlin, Clarence R.: *See*—
Wonnacott, Norman, and Backlin.
- Backlin, Isabelle J. and C. A., Burlington, Wis. Steadying device for ladders. 2,467,800, Apr. 19.
- Backlund, Karl, Umea, Sweden. Foldable sofa, particularly park sofa. 2,467,287, Apr. 12.
- Backlund, Peter S., and B. M. Beildeck, assignors to Union Oil Company of California, Los Angeles, Calif. Separating wax from oil. 2,463,845, Mar. 8.
- Backmark, Nils E. G.: *See*—
Schleimann-Jensen, Carl A., and Backmark.
- Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Method and device relating to absorption refrigerating apparatus. 2,484,669, Oct. 11.
- Backus, Thomas, Peoria, Ill., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Propeller shaft clutch and control assembly. 2,468,155, Apr. 26.
- Bacon, Ardell E., executrix: *See*—
Larkin, William J., and Bacon.
- Bacon, Clare E., Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Structural panel construction. 2,477,852, Aug. 2.
- Bacon, Dana H.: *See*—
Larkin, William J., and Bacon.
- Bacon, Henry M., Dayton, Ohio, assignor to The Dayton Rubber Company. Loom picker. 2,487,780, Nov. 15.
- Bacon, Henry M., and J. Kockoff, Dayton, Ohio, assignors to The Dayton Rubber Company. Spinning apron. 2,484,810, Oct. 18.
- Bacon, Henry T., assignee: *See*—
Walton, Harry J.
- Bacon, Leslie R., Wyandotte, and T. H. Vaughn, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Abrasive scouring powder. 2,489,848, Nov. 29.
- Bacon, Robert, Brooklyn, N. Y. Hair curler. 2,485,686, Oct. 25.
- Bacon, Ross M.: *See*—
Siekman, Harold J., and Bacon.
- Bacon, Thomas P.: *See*—
Daum, John L., McCloud, and Bacon.
- Bacon, Thomas P., Jr., Oakland, Calif. Device for applying new tread material to tires. 2,474,511, June 28.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret telegraph system. 2,463,286, Mar. 1.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Intercommunicating teletypewriter system. 2,465,507, Mar. 29.
- Bacon, Walter M., New York, N. Y., and C. R. Walker, Jersey City, N. J., said Bacon assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Walker assignor to American Telephone and Telegraph Company. Intercommunication teletypewriter system. 2,471,712, May 31.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative telegraph repeater, one or more code combinations per start-stop cycle. 2,484,066, Oct. 11.
- Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Channel and transmitter control for telegraph systems. 2,486,699, Nov. 1.
- Bacon, William E., Jr.: *See*—
Kaslow, Christian E., and Bacon, Jr.
- Baddeley, George, Gatley, assignor to Imperial Chemical Industries Limited, London, England. Manufacture of 1-naphthyl methyl ketone. 2,487,777, Nov. 15.
- Badeau, Carroll A.: *See*—
Thomas, George C., Jr., and Badeau.
- Badeau, Carroll A., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical connector. 2,484,144, Oct. 11.
- Bader, James B., Webster Groves, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Thermostatic switch. 2,484,145, Oct. 11.
- Bader, Paul W., Chicago, and F. E. Oakhill, Wilmette, assignors to O-Cedar Corp'n, Chicago, Ill. Handle and socket structure. 2,473,000, June 14.
- Badertscher, Darwin E.: *See*—
Caesar, Philip D., and Badertscher.
- Badertscher, Darwin E., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of polymeric oil. 2,477,538, July 26.
- Badger Carlton Co., assignee: *See*—
Bledsoe, William E., Jr.
- Badham, William T., Birmingham, Ala. Subliming chamber. 2,478,226, Aug. 9.
- Badlat, James, Des Moines, Iowa. Mobile power unit and mowing device. 2,476,526, July 19.
- Baeher, Bernard J., Brooklyn, N. Y. Electronic relay transmitter and receiver self-synchronous system. 2,461,511, Feb. 15.
- Baechler, Roy H., Madison, Wis.; dedicated to the free use of the People in the territory of the United States. Treating wood. 2,469,427, May 10.
- Baehl, Killian F., Evansville, Ind. Child's play wagon. 2,479,457, Aug. 16.
- Baer, Arthur, South Bend, Ind. Food grater with rotatable cylinder. 2,478,449, Aug. 9.
- Baer, Georges, Paudex, Lausanne, assignor to Pignons S. A., Ballaigues, Switzerland. Safety control device for camera telemeters. 2,467,456, Apr. 19.
- Baer, Georges, Paudex-Lausanne, assignor to Pignons S. A., Ballaigues, Switzerland. Hinged eyepiece holder for camera finders. 2,479,291, Aug. 16.
- Baer, Josef, Washington County, assignor to Electric Steel Foundry, Portland, Oreg. Excavating tooth. 2,483,032, Sept. 27.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymers of vinyl halides. 2,470,908, May 24.

- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymers of a vinyl halide. 2,470,909, May 24.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymers of vinyl halides. 2,470,910, May 24.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymerization products of vinyl halides. 2,470,911, May 24.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymer compositions containing maleic-vinyl acetate heteropolymers and compounds of lead, calcium, or barium. 2,483,959, Oct. 4.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization of vinyl halides in an aqueous dispersion. 2,483,960, Oct. 4.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular copolymers of vinyl chloride-diethyl maleate. 2,492,086, Dec. 20.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular copolymers of vinyl chloride and vinyl acetate. 2,492,087, Dec. 20.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular copolymers of vinyl chloride and diethyl maleate. 2,492,088, Dec. 20.
- Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular copolymers of vinyl chloride and vinyl acetate. 2,492,089, Dec. 20.
- Baer, Massimo, Chicopee Falls, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization of vinyl compounds in an aqueous dispersion. 2,476,474, July 19.
- Baer, Walter O., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric generating system. 2,477,714, Aug. 2.
- Baer, Walter S., Sr., Yeadon, Pa. Garment hanger. 2,463,136, Mar. 1.
- Baertschi, Fred P., Rockford, Ill. Overhead traveling carrier. 2,475,584, July 12.
- Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezo-electric crystal plate. 2,485,129, Oct. 18.
- Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezo-electric crystal plate. 2,485,130, Oct. 18.
- Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezo-electric crystal plate. 2,485,131, Oct. 18.
- Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezo-electric crystal plate. 2,485,132, Oct. 18.
- Bagge, George F.: See—
Bagge, Walter and G. F.
- Bagge, Walter, Los Angeles, assignor to Hughes Tool Company, Culver City, Calif. Automatic power locking differential driving mechanism. 2,481,066, Sept. 6.
- Bagge, Walter and G. F., Los Angeles, Calif. Gauging instrument for vehicle wheels. 2,469,541, May 10.
- Baggett, Lee R., Benton, Ark. Pencil sharpener. 2,470,387, May 17.
- Baggett, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Toy airplane. 2,469,144, May 3.
- Bagley, Edward S., New Orleans, La. Unit water heater. 2,473,560, June 21.
- Bagley, William H., and W. S. Enderich, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Apparatus for cooling bearings. 2,478,357, Aug. 9.
- Bagnall, Vernon B., Arlington, Va., assignor to American Telephone and Telegraph Company. Directional radio system. 2,466,354, Apr. 5.
- Bagshaw, Charles M., F. C. Choice, and J. W. Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe bottom filling machine. 2,465,417, Mar. 29.
- Baguley, Eric, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Concentric conductor electric cable. 2,480,106, Aug. 30.
- Bahan, George F., Greenville, S. C., assignor to Bahan Textile Machinery Company, Inc. Mechanical stop motion for looms. 2,489,849, Nov. 29.
- Bahan Textile Machinery Company, Inc., assignee: See—
Bahan, George F.
- Bahlke, Herman W., Cincinnati, Ohio. Filter. 2,463,137, Mar. 1.
- Bahls, Otto, Brooklyn, N. Y. Clothesline holder. 2,478,450, Aug. 9.
- Bahner, Carl T., Jefferson City, Tenn. Electrolysis of primary nitroalkanes. 2,485,503, Oct. 25.
- Bahner, Carl T., Jefferson City, and H. T. Kite, Oak Ridge, Tenn., said Kite assignor to said Bahner. Manufacture of beta dinitro compounds. 2,477,162, July 26.
- Bahnson, Agnew H., Jr., Winston-Salem, N. C. Outlet for humidifying ducts. 2,468,858, May 3.
- Bahnson, Agnew H., Jr., Winston-Salem, N. C. Air filter. 2,473,501, June 21.
- Bahnson, Agnew H., Jr., assignor to K. K. Bahnson, Winston-Salem, N. C. Atomizer. 2,479,895, Aug. 23.
- Bahnson, Katharine K., assignee: See—
Bahnson, Agnew H., Jr.
- Bahruth, Clarence A., El Monte, Calif. Cleanout. 2,466,835, Apr. 12.
- Baier, Ludwig S., Milwaukie, Oreg. Scuttle frame and closure unit. 2,488,796, Nov. 22.
- Bailar, Charles O., and T. L. Spalding, Menasha, assignors to Marathon Corporation, Rothschild, Wis. Tray. 2,470,456, May 17.
- Bailes, Lydia G., Seattle, Wash. Draftsman's triangle. 2,479,093, Aug. 16.
- Bailey, Charles N., assignee: See—
Bailey, W. Charles, and Charles N.
- Bailey, Christopher E. G., Bournemouth, Hants, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Electric filter. 2,481,562, Sept. 13.
- Bailey, Christopher E. G., Bournemouth, Hants, assignor to The Mullard Radio Valve Company Limited, London, England. Electromechanical control system. 2,490,190, Dec. 6.
- Bailey Company, Inc., The, assignee: See—
Anderson, Frank R.
- Bailey, Edward W., Athens, Ohio. Well swabber. 2,482,455, Sept. 20.
- Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Combustion chamber. 2,458,497, Jan. 11.
- Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Superheater. 2,477,950, Aug. 2.
- Bailey, Ervin G., Easton, Pa., and P. S. Dickey, East Cleveland, Ohio, assignors, by mesne assignments, to Babcock & Wilcox Company, The, New York, N. Y. Control system. Re. 23,087, Mar. 8.
- Bailey, Francis M., Scotia, N. Y., assignor to General Electric Company. Electric discharge device and system. 2,461,250, Feb. 8.
- Bailey, Francis T.: See—
Burgwin, Stephen L., and Bailey.
- Bailey, George B., and O. Ziegler, assignors to The Hays Corporation, Michigan City, Ind. Making packing material for chemical apparatus. 2,458,238, Jan. 4.
- Bailey, James, West Hartford, assignor to Plax Corporation, Hartford, Conn. Removing molded slugs from molds. 2,467,107, Apr. 12.
- Bailey, James N., Mobile, Ala. Adapter for converting kerosene lamps into electric lamps. 2,469,491, Mar. 10.
- Bailey, James, and R. W. Canfield, West Hartford, assignors to Plax Corporation, Hartford, Conn. Extruding plastic material. 2,479,804, Aug. 23.
- Bailey, Lillian D., Leominster, Mass. Nursing bottle-holder. 2,457,972, Jan. 4.
- Bailey Meter Company, assignee: See—
Barnard, Clayton H., and Dickey.
- Barnes, Frederick A.
- Birchler, Charles F., and Weaver.
- Dickey, Paul S.
- Dickey, Paul S., and Hornfeck.
- Dickey, Paul S., and Shannon.
- Hornfeck, Anthony J.
- Johnson, Clarence.
- Rutherford, Victor S.
- Smith, Edward M., and Berg.
- Bailey, Paul J.: See—
Kottkamp, Norman C., and Bailey.
- Bailey, Russell L., North Hollywood, Calif. Bath system. 2,492,913, Dec. 27.
- Bailey, Sidney, Jr., Philadelphia, Pa. Hosiery novelty. 2,477,036, July 26.
- Bailey Son and Partners: See—
Bailey, W. Charles, and C. N.
- Bailey, Theodore, Habana, Cuba. Insulated nursing bottle. 2,483,870, Oct. 4.
- Bailey, W. Charles and C. N., Addlestone, assignors to W. C. and C. N. Bailey, S. W. Lindrea, and A. L. Trundle, partners of Bailey Son and Partners, Weybridge, England. Buzzer in telephone receiver for signaling. 2,492,125, Dec. 20.
- Bailey, Walter C., Kendall, Kans. Trap. 2,482,454, Sept. 20.
- Bailey, Wilfred, Glasgow, Scotland. Rotary engine. 2,485,687, Oct. 25.
- Bailey, William B., assignee: See—
D'Avaucout, Pierre de V.
- Bailey, William M., Company, assignee: See—
Wehr, Guy.
- Baillie, James C., assignor to Standard Oil Company, Chicago, Ill. Producing microspherical silica gels. 2,457,970, Jan. 4.
- Bailiff, Charles A., Omer, Mich. Battery terminal. 2,492,256, Dec. 27.
- Bain, Frederick A., and H. R. Emmerson, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Purification of solvent used in diolefin concentration. 2,463,846, Mar. 8.
- Bain, Robert, Handsworth, Birmingham, assignor to Henry Alday & Son (1922) Limited, Birmingham, England. Electric switch. 2,473,088, June 14.
- Bainbridge, Marvin, and N. Fujii, Kahului, and N. Morishige, Paia, assignors to Maui Pineapple Company, Ltd., Honolulu, Territory of Hawaii. Apparatus for bulk handling of pineapples. 2,479,665, Aug. 23.

- Baines, John A., assignor to Rotax Limited, London, England. Electromagnetically operated mechanism. 2,480,212, Aug. 30.
- Bair, George J., Corning, N. Y., assignor to N. S. Garbisch, Butler, Pa. Glass batch composition. 2,478,151, Aug. 2.
- Bair, Joe K., Washington, D. C. High impedance vacuum tube voltmeter. 2,478,174, Aug. 9.
- Bair, Leigh J., White Plains, N. Y. Educational toy. 2,489,003, Nov. 22.
- Baird, Carl E., Otis, Kans. Excess flow valve. 2,475,585, July 12.
- Baird, Frank T., Chicago, Ill. Storage battery with refractory separator. 2,475,538, July 5.
- Baird, Parker K.: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
- Baird, Roland W., Dallas, Tex. Dough molding machine attachment. 2,461,868, Feb. 15.
- Baird, William M., Chicago, Ill. Accessible quick freeze drawer. 2,477,853, Aug. 2.
- Baity, Howard C., assignor to Michigan Tank & Furnace Corporation, Detroit, Mich. Pot type oil burner. 2,468,156, Apr. 26.
- Bakelite Corporation, assignee: *See*—
Bender, Howard L., and Farnham.
Bender, Howard L., Farnham, and Guyer.
Brannon, James L.
Brister, Joseph E., and Burch.
Burt, Samuel L.
Daniels, Rupert S., and Catlow, Jr.
Duggan, Fred W., and Stambaugh.
Gilman, Eugene H.
Hanson, Norman D.
Meharg, Virgil E., and Mazzucchelli, and Nicholson.
Myers, Clayton S.
Senior, George A., Jr.
Shechter, Leon.
Weith, George S.
Whiting, Leo R.
Whiting, Leo R., and Goodyear.
- Baker, Albert R., Gordon, Nebr. Tractor type hayrake. 2,471,713, May 31.
- Baker, Allister L., Jersey City, assignor to Keuffel & Esser Company, Hoboken, N. J. Sealed adjustable eyepiece for optical instruments. 2,472,739, June 7.
- Baker, Ally, Chicago, Ill. Batter dispensing cart for baking apparatus. 2,482,146, Sept. 20.
- Baker, Arthur W., Webster Groves, Mo., assignor to Hercules Powder Company, Wilmington, Del. Waterproof explosive cartridge. Re. 23,102, Apr. 26.
- Baker, Benjamin P.: *See*—
Ludwig, Leon R., and Baker.
Ludwig, Leon R., Baker, and Leeds.
Ludwig, Leon R., Webb, and Baker.
- Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressed gas circuit interrupter. 2,459,612, Jan. 18.
- Baker, Benjamin P., Turtle Creek, and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,708, Feb. 22.
- Baker, Benjamin P., Turtle Creek, and D. C. Harker, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,473,843, June 21.
- Baker, Benjamin P., Turtle Creek, R. C. Van Sickle, Wilkinsburg, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,473,844, June 21.
- Baker, Benjamin P., and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,477,781, Aug. 2.
- Baker, Benjamin P., Turtle Creek, Pa., and H. J. Webb, Randolph, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,491,945, Dec. 20.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Carboxythiophanes and preparing same. 2,470,739, May 17.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Keto thiophanes and preparing same. 2,475,580, July 12.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Hydroxycyanothiophane carboxylic acids and esters and preparing same. 2,492,827, Dec. 27.
- Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Tetrahydrothieno uracils and preparing same. 2,492,828, Dec. 27.
- Baker, Bernard R., Nanuet, and M. V. Querry, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Imidazolido thiophanes and preparing same. 2,472,458, June 7.
- Baker Castor Oil Company, The, assignee: *See*—
Colbeth, Ivor M.
Smith, Malcolm K.
- Baker, Charles P., Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for control of beam energy. 2,485,470, Oct. 18.
- Baker, Clyde A., Corning, and R. A. Hinkley, Steuben, assignors to Corning Glass Works, Corning, N. Y. Tempering apparatus. 2,484,925, Oct. 18.
- Baker & Company, Inc., assignee: *See*—
Rosenblatt, Edgar F.
Russell, Harry J.
Smithells, Colin J.
- Baker & Company Incorporated, assignee: *See*—
Stumbock, Max J.
- Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of shoes. 2,463,672, Mar. 8.
- Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding machine. 2,470,127, May 17.
- Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Annular cutter. 2,477,037, July 26.
- Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding machine. 2,480,828, Sept. 6.
- Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole rounding machine. 2,490,192, Dec. 6.
- Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rounding machine. 2,482,092, Sept. 20.
- Baker, Craig C., Los Angeles, Calif. Matrix drier and shrinker. 2,492,348, Dec. 27.
- Baker, Dan D., New Orleans, La. Apparatus for wrapping fishing rods and the like. 2,475,305, July 5.
- Baker, David B.: *See*—
Beckman, William O., and Baker.
Baker, David B., Riverside, Ill., assignor to International Harvester Company, Oil distributing apparatus. 2,467,722, Apr. 19.
- Baker, David M., Revere, assignor to Freem Amusements, Inc., Boston, Mass. Electric game. 2,491,888, Dec. 20.
- Baker, David S., New York, N. Y. Portable game device. 2,465,418, Mar. 29.
- Baker, Del, Shawnee, Okla. Earth moving apparatus. 2,483,033, Sept. 27.
- Baker, Donald R., Syracuse, N. Y., assignor to General Electric Company. Combination power cord and carrying strap for portable radios. 2,487,509, Nov. 8.
- Baker, Dwight L., assignor to B. L. Sarett, Chicago, Ill. Deoxygenation process. 2,482,724, Sept. 20.
- Baker, Earl R.: *See*—
Doyle, William T., and Baker.
- Baker, Edward A., assignee: *See*—
Newman, Robert J., and Freund.
- Baker, Edward P., New York, N. Y. Apparatus for dehydrating petroleum products in situ in tank storage. 2,460,271, Feb. 1.
- Baker, Frederick C., Portland, Oreg. Lighting fixture. 2,490,191, Dec. 6.
- Baker, Frederick C., and E. G. Spencer, Portland, Oreg. Mounting for shafts and the like. 2,470,282, May 17.
- Baker, Frederick W., Oldswinford, Stourbridge, England. Vehicle road wheel. 2,453,761, Jan. 11.
- Baker, George L., Newark, Del., assignor to Krim-Ko Corporation, Chicago, Ill. Edible gelling composition containing Irish moss extract, locust bean gum, and an edible salt. 2,466,146, Apr. 5.
- Baker, George R., Peterborough, England. Formation of continuous laminated biscuit dough or other webs. 2,478,075, Aug. 2.
- Baker, George T.: *See*—
Taylor, Reginald, and Baker.
- Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Telephone instrument. 2,479,198, Aug. 16.
- Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electrically operated timing arrangement. 2,488,797, Nov. 22.
- Baker, George W., New York, N. Y. Support for the electrodes of electron discharge devices. 2,489,850, Nov. 29.
- Baker, Gerald T., Neligh, Nebr. Valve mechanism for a hydraulic power unit. 2,459,613, Jan. 18.
- Baker, Gilbert M., Los Angeles, Calif. Electrical weed killer. 2,484,443, Oct. 11.
- Baker, Guy A., and J. A. Parsons, assignors to The Duriron Company, Inc., Dayton, Ohio. Nickel base alloy. 2,467,288, Apr. 12.
- Baker, Harvey, and C. E. Le Cocq, Bellingham, Wash.; Elizabeth Le Cocq, executrix of said C. E. Le Cocq, deceased. Fire squelcher. 2,483,310, Sept. 27.
- Baker, Herbert A., Boston, Mass., assignor to Vickers Limited, London, England. Doctor blade and mounting. 2,487,409, Nov. 8.
- Baker, Irvin, Baltimore, Md. Method and means for removing oil and oily substances from solid or water surfaces. 2,464,204, Mar. 15.
- Baker, James G., Waban, Mass., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Schmidt image former with spherical aberration corrector. 2,458,132, Jan. 4.
- Baker, James G., Waban, Mass., and C. S. Szecho, Chicago, Ill., assignors of one-half to The Perkin-Elmer Corporation, Glenbrook, Conn., and one-half to The Rauland Corporation, Chicago, Ill. Schmidt television projector with spherical aberration corrector. 2,491,072, Dec. 13.

- Baker, James N., Baltimore, Md., assignor to The Black and Decker Manufacturing Company. Hydraulic jack weighing device. 2,477,854, Aug. 2.
- Baker, Jesse L., Radford, Va. Safety device. 2,466,355, Apr. 5.
- Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rotary percussion drill. 2,464,781, Mar. 22.
- Baker, John H., Schenectady, N. Y., assignor to General Electric Company. Collector ring assembly. 2,471,808, May 31.
- Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Flexible joint. 2,487,410, Nov. 8.
- Baker, Joseph A., Detroit, Mich. Automobile transporting trailer. 2,492,829, Dec. 27.
- Baker, Lee R.: *See*—
Hasty, Charles M., and Baker.
- Baker, Malvern S., Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Transmission. 2,471,668, May 31.
- Baker, Malvern S., North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Power-transmitting device. 2,471,669, May 31.
- Baker, Malvern S., assignor to Continental Motors Corporation, Muskegon, Mich. Transmission. 2,488,756, Nov. 22.
- Baker Manufacturing Company, The, assignee: *See*—
Washbond, Harry H., and Beattie.
- Baker, Merle E., Santa Cruz, Calif. Singeing tool. 2,471,019, May 24.
- Baker Oil Tools, Inc., assignee: *See*—
Althoff, William S., Jr., and Graham.
Baker, Reuben C.
Burt, Clarence E.
Costello, Charles E.
Griffin, Wilber H., and Ragan.
King, Charles M.
Kriegel, Bernard.
Lee, Francis H.
Ragan, Thomas M.
Saurenman, Dean F.
- Baker Perkins, Limited, assignee: *See*—
Tunley, Allan A.
- Baker-Raulang Company, The, assignee: *See*—
Hawkins, Paul E.
- Baker, Raymond, Sr., Upper Darby, Pa., assignor to Horn & Hardart Company of New York, New York, N. Y. Coin box. 2,478,076, Aug. 2.
- Baker Refrigeration Corporation, assignee: *See*—
Ecabert, Walter L.
- Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Hydraulically set well packer. 2,467,801, Apr. 19.
- Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Fruit picker. 2,475,687, July 12.
- Baker, Ridgway, Minneapolis, Minn. Golf club carrier. 2,458,924, Jan. 11.
- Baker, Robert E., Denver, Colo. Gun action. 2,466,196, Apr. 5.
- Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating. 2,483,569, Oct. 4.
- Baker, Robin, Plainview, and J. C. Fleming, Lubbock, Tex. Liquefied gas dispensing system. 2,476,175, July 12.
- Baker, Robin, Plainview, and J. C. Fleming, Lubbock, Tex. Liquefied gas dispensing system. 2,477,566, Aug. 2.
- Baker, S. S., assignee: *See*—
McGoffin, William W.
- Baker, Thelma V., Fort Wayne, Ind. Ironing board accessory. 2,486,628, Nov. 1.
- Baker, Thomas A., Logansport, Ind. Fluid metering system. 2,459,303, Jan. 18.
- Baker, Walter: *See*—
Deal, Troy M., Baker, and Duttweiler.
- Baker, William H., Boston, Mass. Change box motion for looms or the like. 2,463,673, Mar. 8.
- Baker, William M., Clyde, N. Y. Glass cutter. 2,473,189, June 14.
- Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. High stability voltage regulator. 2,462,935, Mar. 1.
- Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation detector. 2,474,773, June 28.
- Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Current integrating network. 2,487,510, Nov. 8.
- Bakers & Co., Inc., assignee: *See*—
Cohn, Johann G.
- Bakewell, G. G., assignee: *See*—
Diebel, Henry S.
- Bakewell, William E., assignor to Viking Pump Company, Cedar Falls, Iowa. Sanitary pump. 2,461,624, Feb. 15.
- Bakewell, William E., assignor to Viking Pump Company, Cedar Falls, Iowa. Sanitary pump. 2,481,560, Sept. 13.
- Bakke, Olaf J. S., Minneapolis, Minn. Support for garden sprinklers. 2,464,366, Mar. 15.
- Bakovenbouw voorheen H. P. den Boer N. V., assignee: *See*—
Van der Neut, Teunis.
- Balais, Daniel P., Chicago, Ill. Automobile lock. 2,485,997, Oct. 25.
- Balaun, William J., Akron, Ohio. Number wheel game with recording attachment. 2,481,277, Sept. 6.
- Balbi, Valentino L., South San Francisco, Calif. Garbage truck. 2,487,411, Nov. 8.
- Baldock, Harold: *See*—
Scaife, Charles W., Smith, and Baldock.
Smith, Arthur E. W., Scaife, and Baldock.
- Balduf, Bruno E., Rockford, Ill., assignor to Food Machinery and Chemical Corporation. Roller slot sizing machine. 2,467,651, Apr. 19.
- Balduf, Bruno E., Rockford, Ill., assignor to Food Machinery and Chemical Corporation. Spreader. 2,489,171, Nov. 22.
- Baldwin, Alan, Newark, and W. J. Steeds, Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cable stripping tool. 2,480,107, Aug. 30.
- Baldwin, Arthur R., Berwyn, and W. Hach, Oak Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Caramel-flavored starch powder. 2,484,543, Oct. 11.
- Baldwin, Charles A., Streator, Ill. Hot-air stove, including a thermostatically operated damper. 2,467,577, Apr. 19.
- Baldwin Company, The, assignee: *See*—
Jones, Edward M.
- Baldwin, Earl M., and R. L. Thompson, Helena, Mont., assignors to Anaconda Copper Mining Company. Apparatus for protecting furnace tuyeres. 2,478,077, Aug. 2.
- Baldwin, Francis P.: *See*—
Haworth, Joseph P., and Baldwin.
- Baldwin, Francis P., Pluckemin, N. J., assignor to Standard Oil Development Company. Laminating by means of an isoelefin-diolefin interpolymers tie ply. 2,469,710, May 10.
- Baldwin, Francis P., Pluckemin, N. J., assignor to Standard Oil Development Company. Curing rubber-like materials. 2,477,280, July 26.
- Baldwin, Francis P., Woodbridge, N. J., assignor to Standard Oil Development Company. Curing isobutylene-isoprene copolymers. 2,488,112, Nov. 15.
- Baldwin, Harold L., St. Johnsbury, Vt. Log handling equipment. 2,467,354, Apr. 12.
- Baldwin, John H.: *See*—
White, Joseph C., Baldwin, Peebles, and Power.
- Baldwin Locomotive Works, The, assignee: *See*—
De Forest, Alfred V.
Gibbons, Chester H.
Hall, Keith W.
Hyde, Lawrence K.
Jacobson, Carl A.
Lazan, Benjamin J.
Maris, James C.
Ruge, Arthur C.
Sonntag, Alfred.
Staples, Dana R.
Willi, Richard B.
- Baldwin, William J., Snyder, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Enamel opacifier and producing an enamel therefrom. 2,483,393, Oct. 4.
- Bales, James W. H., Lake City, Fla. Rat and animal trap. 2,475,871, July 12.
- Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lubricator. 2,485,998, Oct. 25.
- Baliff, Doyle D., East Gary, Ind. Jump measuring device. 2,469,145, May 3.
- Balke, Clarence W., Highland Park, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electrolytic iron for powder metallurgy purposes. 2,464,168, Mar. 8.
- Balken, Theovald F., Spokane, Wash. Liquid level gauge. 2,468,284, Apr. 26.
- Ball, Albert L.: *See*—
Robie, Norman P., and Ball.
- Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Friction clutch with adjustment for torque transmitting capacity. 2,457,801, Jan. 4.
- Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Reinforcing member. 2,477,682, Aug. 2.
- Ball, Charles F., assignor to Joy Manufacturing Company, Franklin, Pa. Self-laying track. 2,483,961, Oct. 4.
- Ball, Charles J. P., London, and A. C. Jessup, near Manchester, assignors to Magnesium Elektron Limited, London, England. Magnesium base alloys. 2,464,918, Mar. 22.
- Ball, Charles O., Maumee, Ohio, assignor to Owens-Illinois Glass Company. Container. 2,478,358, Aug. 9.
- Ball, Charles O., Maumee, Ohio, assignor to Owens-Illinois Glass Company. Paper container. 2,478,359, Aug. 9.
- Ball, Charles O., Maumee, Ohio, assignor to Owens-Illinois Glass Company. Paper receptacle. 2,478,360, Aug. 9.
- Ball, Charles O., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Dispensing container having closure locking means. 2,470,388, May 17.
- Ball, Charles O., Maumee, and F. D. Scott, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Container. 2,461,251, Feb. 8.
- Ball, Charles W., Bridgeport, Conn. Cabinet with suspended rack. 2,463,506, Mar. 8.

- Ball, Edgar D., Horsley Woodhouse, near Derby, assignor to Taylor-Ball Developments Limited, London, England. Toggle actuated tool and release therefor. 2,462,709, Feb. 22.
- Ball, George E., Cranston, R. I., and O. W. Barrett, New York, N. Y. Dehydrating apparatus. 2,466,297, Apr. 5.
- Ball, Goldia M., executrix, assignee: *See*—Yandell, William H.
- Ball, Raymond A., assignor to B. F. Novitsky, Fort Wayne, Ind. Pocket clip and sharpener for lead pencils. 2,477,326, July 26.
- Ball, Rowland E.: *See*—Gaylord, James M., and Ball.
- Ball, Roy, East Orange, N. J. Screw-in circuit breaker. 2,469,492, May 10.
- Ballamy, Leslie M., Horley, assignor to High Speed Machines, London, England. Machine for making pile fabrics. 2,489,513, Nov. 29.
- Ballard & Ballard Company, assignee: *See*—Armstrong, Lowell, and Willoughby.
- Ballard, Kermit H., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gold compounds and ceramic-decorating compositions containing same. 2,490,399, Dec. 6.
- Ballard, Louie W., Santa Monica, Calif. Barrier for doorways or the like. 2,490,612, Dec. 6.
- Ballard, Robert G., Saugus, Mass., assignor to General Electric Company. Electric regulator. 2,492,727, Dec. 27.
- Ballard, Seaver A.: *See*—Dorman, Stephen C., and Ballard.
Geyer, Bradford P., and Ballard.
Smith, Curtis W., and Ballard.
Whetstone, Richard R., and Ballard.
- Ballard, Seaver A., Orinda, and B. P. Geyer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of acrylic acid. 2,459,677, Jan. 18.
- Ballard, Seaver A., Orinda, and B. P. Geyer and R. H. Mortimer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of beta-acetoxypionic acid. 2,467,876, Apr. 19.
- Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Polyoxoalkylene compounds. 2,481,278, Sept. 6.
- Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Liquid condensation polymers of bis (hydroxyalkyl) sulfides and bis (hydroxyalkyl) polysulfides. 2,484,369, Oct. 11.
- Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Liquid sulfoalkylene-oxoalkylene copolymers. 2,484,370, Oct. 11.
- Ballard, Seaver A., Orinda, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Sulfolanyl ethers and ether-esters. 2,492,927, Dec. 27.
- Ballash, Ed., assignee: *See*—Porter, Edward.
- Balle, Gerhard: *See*—Orthner, Ludwig, Balle, Schild, Schürmann, Brodersen, and Quaedvlieg.
- Balleisen, Charles E.: *See*—Studier, Rene R., Feltman, and Balleisen.
- Balleisen, Charles E., Arlington, Va. Acceleration of beech bolts in machine runs. 2,459,141, Jan. 18.
- Ballentine, Earle W., Wilmette, and S. A. Stolberg, Chicago, Ill., assignors, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Drive for phonographs and the like. 2,480,623, Aug. 30.
- Ballentine, Earle W., assignor to Russell Electric Company, Chicago, Ill. Induction motor. 2,492,207, Dec. 27.
- Ballentine, John A., Indianapolis, Ind. Dog harness. 2,475,870, July 12.
- Ballentine, Richard E., Snyder, and F. V. Schilling, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrode holding device. 2,491,946, Dec. 20.
- Balley, Ronald A.: *See*—Bickle, Harry M., and Balley.
- Ballinger, Erno L.: *See*—Barker, Robert S., Ballinger, Fletcher, Cooper, and Lambert.
- Ballinger, Lewis J. H., Randwick, near Stroud, England. Abrasive wheel guard. 2,462,710, Feb. 22.
- Ballou, B. A., & Co. Incorporated, assignee: *See*—Stafford, Rogers T.
- Balluff, Edwin J.: *See*—Hammell, Kemper M., and Balluff.
- Balmer, James A., assignor to Riley Stoker Corporation, Worcester, Mass. Heat exchanger. 2,473,561, June 21.
- Balmer, Reinhold F.: *See*—Peck, Kenneth L., and Balmer.
- Balogh, Roy O., assignor to The Weatherhead Company, Cleveland, Ohio. Planetary piston fuel pump. 2,460,617, Feb. 1.
- Balogh, Roy O., assignor to The Weatherhead Company, Cleveland, Ohio. Hydraulic check. 2,483,517, Oct. 4.
- Balogh, Roy O., Cleveland, and G. H. Hufford, Shaker Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Fluid pressure follow-up servomotor. 2,464,367, Mar. 15.
- Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Grinding wheel mounting. 2,476,234, July 12.
- Balsiger, Harold E., and R. E. Price, assignors to Landis Tool Company, Waynesboro, Pa. Grinding wheel feed mechanism. 2,486,244, Oct. 25.
- Balstad, Edward, Milwaukee, Wis. Roller skate wheel assembly. 2,466,070, Apr. 5.
- Baltensperger, Paul, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Pressure-gas filled condensers. 2,466,298, Apr. 5.
- Baltimore Paper Box Company, The, assignee: *See*—Riley, Melvin A., and McClelland.
- Baltimore Paper Company, assignee: *See*—Kilinski, Stanley.
- Balton, James, Baltimore, Md. Stapling machine. 2,461,869, Feb. 15.
- Baltor, Bella M., New York, N. Y. Device for straightening toes. 2,471,997, May 31.
- Baltzly, Richard, New York, and E. Lorz, Yonkers, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. N-dialkyl alkoxynaphthamides. 2,491,473, Dec. 20.
- Balz, William G., Kalamazoo, Mich. Paper roll holder. 2,492,728, Dec. 27.
- Balzano, Peter D., Cleveland, Ohio. Airplane safety device. 2,475,688, July 12.
- Balzer, Abram F., Mountain Lake, Minn. Vehicle coupling. 2,478,736, Aug. 9.
- Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Distributor switching apparatus. 2,467,457, Apr. 19.
- Bamay, Limited, assignee: *See*—Heller, Oswald.
- Bambas, Louis L.: *See*—Doub, Leonard, and Bambas.
- Bambas, Louis L., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. 2-acylamino-5-thiazolylphenyl sulfide and making same. 2,475,872, July 12.
- Bamberg, Thomas B., Milwaukee, Wis. Basin wrench extension. 2,463,138, Mar. 1.
- Bamberger, Alfred A., Flushing, N. Y. Combination handbag and change purse. 2,487,090, Nov. 8.
- Bamberger, Julien G., Milwaukee, Wis. Degreasing machine. 2,488,156, Nov. 15.
- Bamberger-Reinthal Company, assignee: *See*—Krueger, Roland F. W.
- Banaszak, John J. and W. J., Battle Creek, Mich. Foldable vehicle. 2,468,914, May 3.
- Banaszak, Walter J.: *See*—Banaszak, John J. and W. J.
- Banbury, Fernley H., Woodmont, D. A. Comes, Woodbridge, and C. F. Schnuck, New Haven, Conn., assignors to Lancaster Processes, Inc., New York, N. Y. Reclaiming scrap vulcanized rubber. 2,461,192, Feb. 8.
- Banbury, Fernley H., Woodmont, D. A. Comes, Woodbridge, and C. F. Schnuck, New Haven, Conn., assignors to Lancaster Processes, Inc., New York, N. Y. Treating waste material containing rubber. 2,461,193, Feb. 8.
- Bancel, Paul A., Montclair, J. D. Ditson, Phillipsburg, and A. D. Karr, Newark, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. Rock drill. 2,459,484, Jan. 18.
- Bancorá, Mario E., Rosario, Argentina, assignor to the United States of America as represented by the Secretary of War. Parachute release mechanism. 2,470,457, May 17.
- Bancroft, George H., and G. R. Nagel, assignors to Distillation Products, Inc., Rochester, N. Y. Use of glow discharge in vacuum coating processes. 2,467,953, Apr. 19.
- Bancroft, John W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,464,548, Mar. 15.
- Bancroft, Joseph C., New York, N. Y. Toy musical instrument. 2,475,213, July 5.
- Bancroft, Joseph & Sons Co., assignee: *See*—Ford, Florence M., and Hall.
- Bancroft, Warren H., Kilbourne, La. Plant setting device. 2,463,938, Mar. 8.
- Band, Harold H., Kew Gardens, N. Y. Ball point fountain pen. 2,474,300, June 28.
- Baner, Rawlings R., Hollywood, Calif. Electric motor assembly. 2,463,349, Mar. 1.
- Banger, William, and V. L. Nichols, assignors to H. Maimin Company, Incorporated, New York, N. Y. Cloth-cutting machine. 2,475,171, July 5.
- Bank, Leon: *See*—Jacobowitz, Harry, and Bank.
- Bank of Commerce and Trusts, executor: *See*—Peple, Gustave A., Jr.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change-speed transmission. 2,465,832, Mar. 29.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change-speed transmission. 2,482,673, Sept. 20.

- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Axially engaging multiple fluid clutch. 2,485,688, Oct. 25.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Driving and steering mechanism. 2,486,815, Nov. 1.
- Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Drive gear for helicopters. 2,492,831, Dec. 27.
- Banko, George, Euclid, assignor to The Cleveland Grinding Machine Company, Cleveland, Ohio. Optical projection viewer for machine tools. 2,481,381, Sept. 6.
- Banks, Clarence K.: *See*—
Brooker, Leslie G. S., Holcomb, and Banks.
- Banks, Daniel B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Method and apparatus for feeding adsorbent materials to streams of liquid hydrocarbons. 2,472,459, June 7.
- Banks, Ernest B., Elmira, N. Y. Tumbling machine. 2,476,078, July 12.
- Banks, Harry R., Creston, Iowa, assignor of one-half to C. A. Overturf, Algonac, Mich. Vegetable peeler. 2,472,460, June 7.
- Banks, John B., Augusta, and N. St. Peter, Fairfield, Maine. Collapsible box or crate. 2,467,518, Apr. 19.
- Bankson, Severin B., San Francisco, Calif. Ear trumpet, including adjustable sections. 2,469,254, May 3.
- Banner Products Company, assignee: *See*—
Panik, Joseph J.
- Bannister, Bryant, assignor to H. H. Robertson Company, Pittsburgh, Pa. Torque converter mechanism. 2,478,227, Aug. 9.
- Bannister, Bryant, assignor to J. H. Young, Pittsburgh, Pa. Dispensing container. 2,492,830, Dec. 27.
- Bannister, Clyde E., Houston, Tex. Fluid-conducting and pressure-cushioning device. 2,477,436, July 26.
- Bannon, Lewis A., Baton Rouge, La., and C. E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company. Dilution and hydrolysis of diethyl sulfate solutions. 2,474,568, June 28.
- Bannon, Lewis A., Baton Rouge, La., assignor to Standard Oil Development Company. Dilution and hydrolysis of diethyl sulfate solutions. 2,474,569, June 28.
- Banovic, Frank S., Johnstown, N. Y. Work guide for sewing leather goods. 2,486,910, Nov. 1.
- Banque pour Entreprises Electriques, assignee: *See*—
Jaeger, Walter C.
- Banta, Donald L., Terre Haute, Ind. Practice drum. 2,475,873, July 12.
- Banta, Farrell B., assignor of one-half to W. B. Creamer, Dayton, Ohio. Embalmers' aid. 2,465,781, Mar. 29.
- Bantam-Lite, Inc., assignee: *See*—
Nathan, Jerome, and Adler.
- Bantar, Incorporated, assignee: *See*—
McBride, John W.
- Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Dual voltage regulating arrangement. 2,492,729, Dec. 27.
- Barabash, Elisabeth: *See*—
Seymour, George W., White, and Barabash.
- Barager, Alfred T., Buffalo, N. Y. Flexible shaft coupling. 2,478,890, Aug. 16.
- Baral, William J.: *See*—
Linford, Hooper, and Baral.
- Baranowski, Frank, Jr., Boston, Mass., assignor to General Electric Company. Eccentric moving coil electrical meter. 2,465,053, Mar. 22.
- Barany, Frank J., Youngstown, Ohio. Circular electrical outlet. 2,465,419, Mar. 29.
- Barasch, Allan H., Uniontown, Pa. Ice-cream container. 2,492,832, Dec. 27.
- Barbagallo, Alfred, West Palm Beach, assignor of one-half to A. J. Longo, Palm Beach, Fla. Shoe stitch remover. 2,472,643, June 7.
- Barbee, Charles E., Davis, and W. P. Berggren, Azusa, assignors to the Regent of the University of California, Berkeley, Calif. Separating machine. 2,485,027, Oct. 18.
- Barbehenn, Ralph L.: *See*—
Colton, Dudley T., and Barbehenn.
- Barber, Cleo E.: *See*—
Rainbolt, Paul, and Barber.
- Barber-Coleman Company, assignee: *See*—
Colman, Howard D.
Cotta, Ralph L.
Crandall, Charles B.
Drake, Russell P.
Greenlee, Elmer A.
Kennedy, Walter W.
Lilja, Edgar D.
Marker, Charles W., Jr., and Whitman.
Peterson, Burt A.
Purvin, Benjamin R.
Sweger, Russell P.
Tice, William F.
- Barber, Edmund A., Jr.: *See*—
Malmros, Gustav V. A., and Barber.
- Barber, Everett M., Wappingers Falls, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine. 2,469,448, May 10.
- Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Internal-combustion engine and operating same. 2,484,009, Oct. 11.
- Barber, Forest C., Bartlesville, Okla. Condenser and exhaust conduit therefor. 2,486,775, Nov. 1.
- Barber, Hiram L., Newtown, and G. L. Sellars, Milford, Ohio. Making metal molds. 2,479,598, Aug. 23.
- Barber, Hiram L., Newtown, and G. L. Sellars, Milford, Ohio. Machine for barbing applicator sticks. 2,492,027, Dec. 20.
- Barber, Hugh B.: *See*—
Hepburn, William M., and Barber.
- Barber, Sidney J., Philadelphia, and J. T. Eaton, Hatboro, assignors to E. F. Houghton & Co., Philadelphia, Pa. Lubricating composition. 2,484,146, Oct. 11.
- Barbian, Hugo A.: *See*—
De Long, Herbert K., and Barbian.
- Barbizon Corporation, The, assignee: *See*—
Gourdon, Dorine.
- Barcalo Manufacturing Company, assignee: *See*—
Ross, Hollis R.
Vallone, Joseph M., and Sedita.
- Barch, William E., Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Separation of hydroxy organic acids. 2,470,841, May 24.
- Barclay, Ivar, Highland Park, assignor to The General Detroit Corporation, Detroit, Mich. Operating mechanism for safety can closures. 2,490,194, Dec. 6.
- Barclay, Robert E., assignor to Vail Manufacturing Company, Chicago, Ill. Staple hammer. 2,463,507, Mar. 8.
- Barco, Rae, Bronx, N. Y. Brassiere. 2,487,210, Nov. 8.
- Barcus, John W., assignor of fifty per cent to N. R. Kneass, Baltimore, Md. Gear hobbing machine attachment. 2,472,644, June 7.
- Bard, Francis N., Highland Park, Ill. Flexible joint. 2,462,592, Feb. 22.
- Bard, Francis N., Highland Park, Ill. Internal-combustion device. 2,468,019, Apr. 26.
- Bard, Francis N., Highland Park, Ill. Internal-combustion device. 2,468,020, Apr. 26.
- Bard, Francis N., Highland Park, Ill. Joint. 2,473,502, June 21.
- Bard, John W.: *See*—
Brabender, George J., Bard, and Daily.
- Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas K.
- Bardash, Joseph, assignor to Modern Art Printing Company, New York, N. Y. Apparatus and method of printing. 2,491,947, Dec. 20.
- Barden, Carl G., Woodland, Calif. Combination rear bumper, hitch, and foot: platform for vehicles. 2,492,914, Dec. 27.
- Baresch, Charles A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fairing assembly for turbine bearings. 2,469,711, May 10.
- Barfield, Morris L., Washington, D. C., and J. J. Gurtowski, Wallington, N. J., assignors to the United States of America as represented by the Secretary of War. Temperature-stable molded resistor. 2,472,801, June 14.
- Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.
- Barfod, Frederik, assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,489,214, Nov. 22.
- Barford, Norman C., assignor to Electric & Musical Industries Limited, Hayes, England. Frequency modulation of klystrons. 2,464,549, Mar. 15.
- Barger, Cecil K., Statesville, N. C. Corner joint for wall-boards. 2,458,925, Jan. 11.
- Barger, Fred H., San Fernando, Calif. Door closing device. 2,470,283, May 17.
- Bargmeyer, Ernest G., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Compounding copolymers of butadiene and styrene. 2,461,953, Feb. 15.
- Bargmeyer, Ernest G., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Manufacture of butadiene-styrene copolymer cements. 2,461,954, Feb. 15.
- Bariffi, Herbert F., Hamden, Conn., assignor to General Electric Company. Fluid pressure actuated cylinder and piston mechanism for flat plate ironing machines. 2,475,304, July 5.
- Bariffi, Herbert F., Hamden, Conn., assignor to General Electric Company. Clothes-washing machine mechanism. 2,485,622, Oct. 25.
- Barishman, Harry, Brooklyn, N. Y. Dental appliance. 2,468,479, Apr. 26.
- Barium Reduction Corporation, assignee: *See*—
Preisman, Louis.
Preisman, Louis, and Hobson.
- Barkan, Irving: *See*—
Yaszay, Walter, and Barkan.
- Barker, Alfred W., Tottenham, London, England. Machine for molding plastic materials, such as confectionery. 2,484,670, Oct. 11.
- Barker Brothers, Inc., assignee: *See*—
Doyle, Edwin F.
- Barker, Charley S., Ithaca, N. Y. Indoor golf. 2,472,187, June 7.
- Barker, George C., Plattsburg, assignor of one-half to C. H. Andros, Nassau, N. Y. Camouflaged camera. 2,464,067, Mar. 8.
- Barker, George E., Pleasant Hills, assignor to Atlas Powder Company, Wilmington, Del. Synthetic detergent composition. 2,469,493, May 10.

- Barker, John L., Norwalk, Conn., assignor to Eastern Industries, Incorporated. Detecting presence and movement of bodies. 2,477,567, Aug. 2.
- Barker, John L., Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated. Control system. 2,483,394, Oct. 4.
- Barker, John L., Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated. Sound responsive control. 2,489,255, Nov. 29.
- Barker, Le Roy W., assignor to Gates-Mills, Inc., Johnstown, N. Y. Sewing-machine attachment. 2,491,545, Dec. 20.
- Barker, Martin J., San Francisco, Calif. Spark plug cleaner. 2,475,215, July 5.
- Barker, Martin J., San Francisco, Calif. Adjustable bypass check valve. 2,480,108, Aug. 30.
- Barker, Maurice E., Washington, D. C. Aerial bomb. 2,489,610, Nov. 29.
- Barker, Maynard C.: See—
Newhall, Joseph F. P., and Barker.
- Barker, Parrish, Temple City, Calif. Airplane wing arrangement. 2,461,805, Feb. 15.
- Barker Poultry Equipment Co., assignee: See—
Mead, Ezra B.
- Barker, Raymond L., Chicago, Ill. Resilient target. 2,482,234, Sept. 20.
- Barker, Robert S., East Long Meadow, Mass., E. L. Balinger, Brooklyn, N. Y., E. C. Fletcher, East Lansing, Mich., E. G. Cooper, Great Barrington, Mass., and P. F. Lambert, Arlington County, Va. Cartridge clip loader. 2,462,836, Mar. 1.
- Barker, Valmond, Cleveland, Ohio. Knurling tool. 2,475,216, July 5.
- Barker, Wilfred and W. N., Stoke-on-Trent, England. Unbalanced weight vibratory screening apparatus. 2,465,833, Mar. 29.
- Barker, William A.: See—
Clarke, Thomas B., and Barker.
- Barker, William J., Fort Worth, Tex. Forming and filling bags. 2,490,940, Dec. 13.
- Barker, William M.: See—
Brizner, Frederick W., and Barker.
- Barker, William M., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,487,412, Nov. 8.
- Barker, William N.: See—
Barker, Wilfred and W. N.
- Barkhuff, Raymond A., Jr., Hazardville, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo. Asphalt molding compositions. 2,470,329, May 17.
- Barkofsky, Ernest C.: See—
Alford, Andrew, and Barkofsky.
- Barksdale, Beverly E., Sr., Charlotte, N. C. Apparatus for drying lumber. 2,464,429, Mar. 15.
- Barksdale, Lilburn S., Burbank, Calif. Expandable chamber motor with oscillating cylinder and piston actuated distributing valve. 2,477,359, July 26.
- Barley, Leo D.: See—
Spiller, William R., and Barley.
- Barley, Robert: See—
Zulinski, Edward J., and Barley.
- Barlock, Everett W., assignor of one-half to P. S. Reimann, Ann Arbor, Mich. Bottle holder. 2,471,512, May 31.
- Barlow, Benjamin W., assignor to D. Napier & Son Limited, London, England. Variable speed gear. 2,467,108, Apr. 12.
- Barlow, Benjamin W., Wembley, and A. J. Penn, Pinner, assignors to D. Napier & Son Limited, London, England. Internal combustion engine power plant. 2,468,157, Apr. 26.
- Barlow, Clifford S., Sydney, New South Wales, Australia. Hot pressing materials on sewing machines. 2,473,236, June 14.
- Barlow, Howard F., Alameda, Calif. Pivoted pawl ratchet wrench with quickly-detachable handle. 2,486,700, Nov. 1.
- Barlow, Kenneth F., Preston, assignor to The English Electric Company Limited, London, England. Stud welding apparatus. 2,467,723, Apr. 19.
- Barmatic Machines, Inc., assignee: See—
Korecky, Edward J.
- Barmore, Edmond H., Los Angeles, Calif. Cigarette dispenser. 2,483,609, Oct. 4.
- Barna, Andrew, South Chicago, Ill. Viewing and illuminating device for divers' helmets. 2,481,808, Sept. 13.
- Barnaby, Hugh S.: See—
Jones, Leo D., and Barnaby.
- Kuh, Erwin, and Barnaby.
- Barnaby Manufacturing and Tool Company, assignee: See—
Toth, Barnabas P.
- Barnack, Henry C., West Springfield, Mass. Variable power and speed transmission. 2,461,022, Feb. 8.
- Barnard, Alvin H., Portland, Oreg., and A. M. Skudre, Somerset, Mass., assignors to Raytheon Manufacturing Company. Selector system. 2,480,624, Aug. 30.
- Barnard, Clayton H., Cleveland, and P. S. Dickey, East Cleveland, Ohio, assignors to Bailey Meter Company. Explosion protective apparatus. 2,467,181, Apr. 12.
- Barnard, J. C.: See—
Abel, Logan F.
- Barnbrook, Thomas G., Wolverhampton, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Making cages for ball bearings. 2,458,762, Jan. 11.
- Barnby, Herbert A.: See—
Hohl, John, Belnap, Jr., and Barnby.
- Barnebey, Herbert L.: See—
Shields, James R., and Barnebey.
- Barnebey, Herbert L., Oakmont, and J. B. Shields, assignors to Blaw-Knox Company, Pittsburgh, Pa. Heat-exchange apparatus. 2,472,362, June 7.
- Barnes, Alonzo R., deceased, Van Nuys, Calif.; H. Fiset, administratrix. Pedally driven exercising and amusement apparatus. 2,468,011, Apr. 19.
- Barnes, Arthur, Waltham, assignor to Polaroid Corporation, Cambridge, Mass. Image-carrying element for light-polarizing images. 2,481,189, Sept. 6.
- Barnes, Arthur, Waltham, assignor to Polaroid Corporation, Cambridge, Mass. Forming optically smooth, scratch-resistant thermosetting resin coatings on sheets or films of softer organic plastic materials. 2,481,809, Sept. 13.
- Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Emulsion polymerization of butadienes. 2,470,065, May 10.
- Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of haloacrylic acid esters. 2,476,528, July 19.
- Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized heat polymerizable compositions of N-vinyl pyrrole comulsions. 2,461,023, Feb. 8.
- Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Photographic silver halide emulsions. 2,461,023, Feb. 8.
- Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Reversible gel composition and preparation. 2,476,527, July 19.
- Barnes, Charlie W., Gastonia, and J. W. Cole, Charlotte, assignors to Gastonia Textile Machinery Company, Inc., Gastonia, N. C. Machine for processing waste fibers. 2,484,604, Oct. 11.
- Barnes, David F.: See—
Wyman, Jeffres, and Barnes.
- Barnes Drill Co., assignee: See—
Caldwell, Harry J.
Johnson, Albert M.
Seborg, Earnest Y.
- Barnes, Edwin H., Oak Harbor, Ohio. Garden tractor equipped with laterally shiftable earth working implement. 2,484,264, Oct. 11.
- Barnes, Elias B., Elkhart, Ind. Heater unit and system. 2,473,562, June 21.
- Barnes, Evander B., Cody, Wyo. Flow barrel. 2,461,512, Feb. 15.
- Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Pattern controlled grinding wheel dressing mechanism. 2,469,255, May 3.
- Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,486,097, Oct. 25.
- Barnes, George W., Jr., Clifton Heights, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Chart reroll mechanism. 2,487,843, Nov. 15.
- Barnes, George W., Jr., Clifton Heights, and J. G. Booth, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure measuring instrument. 2,466,071, Apr. 5.
- Barnes, Harold, Smethwick, England. Hand drying or cleaning apparatus. 2,472,272, June 7.
- Barnes, James F., assignee: See—
Rodriguez, Alfred.
- Barnes, Jean C., Massillon, and I. B. Penniman, assignors to The Weber Dental Manufacturing Co., Canton, Ohio. Electrical control device. 2,492,549, Dec. 27.
- Barnes, John P., Springfield, Pa., assignor to Radio Corporation of America. Radio receiver indicator dial. 2,464,368, Mar. 15.
- Barnes, John V., La Canada, Calif. Water softener. 2,462,154, Feb. 22.
- Barnes, John W., Jr.: See—
Hawley, Thomas G., Jr., Kummer, and Barnes.
- Barnes, Joseph B., Colorado Springs, Colo. Exfoliating and bleaching vermiculite. 2,492,208, Dec. 27.
- Barnes, Katherine S., Greensboro, and K. H. McCullough, Charlotte, N. C. Picture grip. 2,492,411, Dec. 27.
- Barnes, Lawrence E.: See—
Stanley, Alexander J., and Barnes.
- Barnes, Malcolm H., Kenmore, N. Y., assignor to The Linde Air Products Company. Cutting corundum rod. 2,487,091, Nov. 8.
- Barnes, Malcolm H., and E. L. McCandless, Kenmore, N. Y., assignors to The Linde Air Products Company. Filament guide. 2,485,553, Oct. 25.
- Barnes, Margaret M., assignee: See—
Rodriguez, Alfred.
- Barnes, Miriam M., executrix: See—
Barnes, Raleigh H., and Elmendorf.
- Barnes Motor Developments Company, assignee: See—
Barnes, William B.

- Barnes, Raleigh H., deceased, Cleveland Heights, by M. M. Barnes, executrix, Cleveland Heights, Ohio, and H. J. Elmendorf, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Steel helmet. 2,469,146, May 3.
- Barnes, Robert B.: *See*—
Champayne, Edmund F., Christ, and Barnes.
- Barnes, Robert B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Infrared spectrophotometry. 2,458,973, Jan. 11.
- Barnes, Stuart C., Detroit, Mich. No-draft ventilating window for automobiles. 2,461,955, Feb. 15.
- Barres, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Method and apparatus for detecting flaws. 2,461,252, Feb. 8.
- Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Flaw detection apparatus. 2,461,253, Feb. 8.
- Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Method and apparatus for detecting flaws. 2,472,784, June 14.
- Barnes, William A.: *See*—
Bauer, Charles A., and Barnes.
- Barnes, William B., Muncie, Ind., assignor to Barnes Motor Developments Company. Antifriction screw and nut. 2,473,743, June 21.
- Barnes, William B., assignor to Barnes Motor Developments Company, Muncie, Ind. Automatic speed change transmission. 2,490,503, Dec. 6.
- Barnes, William E., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Drilling mud. 2,491,436, Dec. 13.
- Barnett, Benjamin G.: *See*—
Westmoreland, Bascom B., and Barnett.
- Barnett, David, Wellesley, Mass. Piano key action. 2,472,740, June 7.
- Barnett, Clarence, Los Angeles, Calif. Sprinkler head. 2,465,420, Mar. 29.
- Barnett, George F., San Francisco, Calif. Truss shoe. 2,477,163, July 26.
- Barnett, Harold M.: *See*—
Hartman, Miner L., and Barnett.
- Barnett, J. H., Son and Company Limited, assignee: *See*—
Barnett, Joseph H.
- Barnett, James R. and J. D., Wynne, Ark. Fishing hook. 2,491,546, Dec. 20.
- Barnett, Johnie D.: *See*—
Barnett, James R. and J. D.
- Barnett, Joseph H., assignor to J. H. Barnett, Son and Company Limited, Birmingham, England. Cocking mechanism for bolt action rifles. 2,474,456, June 28.
- Barnett, Willard W., Clovis, N. Mex. Front wheel bicycle knee action. 2,462,711, Feb. 22.
- Barney, Arthur L., West Lafayette, assignor to Purdue Research Foundation, La Fayette, Ind. Preparation of di-menthone. 2,462,712, Feb. 22.
- Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl isocoumarans with ethylenically unsaturated compounds and obtaining same. 2,474,612, June 28.
- Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl isocoumarans with styrenes and obtaining same. 2,474,613, June 28.
- Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl isocoumarans with 1,3-dienes and obtaining same. 2,474,614, June 28.
- Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-biased electric translating device. 2,486,776, Nov. 1.
- Barnhart, Blair: *See*—
Morrisson, Samuel O., Barnhart, and Gott.
- Barnhart, Edgar W., assignor to The General Excavator Company, Marion, Ohio. Steering mechanism for portable hoists or excavators. 2,465,508, Mar. 29.
- Barnstead Still & Sterilizer Co., Inc., assignee: *See*—
White, Abraham, Hartwell, and Reynolds.
- Barnsteiner, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,490,852, Dec. 13.
- Barnum, Emmett R., and G. L. Perry, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,459,718, Jan. 18.
- Barnum, Howard N., South Euclid, Ohio. Toy player piano. 2,487,413, Nov. 8.
- Barnwell, Irving, New York, N. Y. Air valve guard for radiators. 2,476,578, July 19.
- Barocas, Abraham J., New York, N. Y. Electrical connector. 2,488,113, Nov. 15.
- Baron, Abraham L., assignor to S. B. Penick & Company, New York, N. Y. Preparation of tyrothricin. 2,482,832, Sept. 27.
- Baron, Charlotte M., Toledo, Ohio. Exercising human internal organs. 2,467,724, Apr. 19.
- Barone, James, Alamosa, Colo. Anchor leader. 2,473,089, June 14.
- Barr, Francis A., Laurelton, Long Island, N. Y. Protractor. 2,470,458, May 17.
- Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,467,802, Apr. 19.
- Barr, Frank T., Summit, and W. G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Two-stage synthesis of hydrocarbons. Re. 23,145, Sept. 6.
- Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,475,214, July 5.
- Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. High velocity fluid solids technique. 2,483,485, Oct. 4.
- Barr, George, New York, assignor to F. C. Allen, Jr., Pelham Manor, N. Y. Musical instrument. 2,468,726, May 3.
- Barr, Ira R.: *See*—
Lambert, Albert H., and Barr.
- Barraket, Jacob A., Brooklyn, N. Y. Locking device. 2,472,394, June 7.
- Barr, James R., Pittsfield, Mass., assignor to General Electric Company. Thermal switch. 2,480,538, Aug. 30.
- Barr, John M., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,482,396, Sept. 20.
- Barr, Louis L., Pittsburgh, Pa. Chemical spraying device. 2,481,279, Sept. 6.
- Barr, Roy E., Childress, Tex. Molding. 2,490,193, Dec. 6.
- Barr, Samuel R., Bridgeport, Conn., assignor to General Electric Company. Combined shutoff and metering valve. 2,485,349, Oct. 18.
- Barr & Stroud Limited, assignee: *See*—
French, James W., and Foster.
- Strange, John M., and Foster.
- Barrabee, Robert S., Elberon, N. J. Child's slide. 2,465,187, Mar. 22.
- Barraja-Frauenfelder, Joseph: *See*—
Chapman, Everett, and Barraja-Frauenfelder.
- Barrere, Gerald N., Cincinnati, Ohio. Handle control mechanism. 2,472,783, June 14.
- Barreto, Antonio, Rio de Janeiro, Brazil, assignor to Monsanto Chemical Company, St. Louis, Mo. Polychlorophenols in fermentation of carbohydrates. 2,473,630, June 21.
- Barrett, Arthur M., Winnetka, Ill., assignor to Barrett-Cravens Company. Lift truck. 2,488,521, Nov. 22.
- Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Pallet skid. 2,491,073, Dec. 13.
- Barrett, Bracell, Galena Park, Tex. Toolholder. 2,460,210, Jan. 25.
- Barrett-Cravens Company, assignee: *See*—
Barrett, Arthur M.
- Barrett, Harlan G., Keene, N. H. Corncob holder. 2,465,626, Mar. 29.
- Barrett, John S., assignor of one-half to R. C. Jurgensen, Minneapolis, Minn. Socket wrench with nut ejector. 2,488,894, Nov. 22.
- Barrett, Otis W.: *See*—
Ball, George E., and Barrett.
- Barrett, Robert C., and A. A. Vaira, San Jose, Calif. Centerless rotary drum nut cracking machine. 2,477,227, July 26.
- Barrett, Walter J., Detroit, Mich. Play horse. 2,488,893, Nov. 22.
- Barrett, William J., assignor to New England Lime Company, Adams, Mass. Carbonating lime and separating the same from magnesias. 2,485,350, Oct. 18.
- Barricini, Jack, Scarsdale, assignor, by mesne assignments, to The Toy Pop Corporation, New York, N. Y. Confection with support therefor. 2,469,589, May 10.
- Barrick, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monomeric fluorine compounds containing a four-carbon atom ring. 2,462,345, Feb. 22.
- Barrick, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aromatic polyfluoro four-carbon atom ring compounds. 2,462,346, Feb. 22.
- Barrick, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of polyfluoroethylenes and terminally unsaturated compounds. 2,462,347, Feb. 22.
- Barrick, Paul L., Wilmington, and A. A. Pavlic, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acetals. 2,491,915, Dec. 20.
- Barrick, Ray E., Baltimore, and A. Morison, Brooklandville, assignors to The Glenn L. Martin Company, Middle River, Md. Airplane wing leading edge construction. 2,470,128, May 17.
- Barrie, Arthur J., and R. J. Dwyer, assignors to Acorn Designing Co., Toledo, Ohio. Metalworking machine. 2,472,561, June 7.
- Barriger, William B., Glen Burnie, Md., assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Electrical distribution system. 2,479,995, Aug. 23.
- Barrington, Robert W., Throckmorton, Tex. Trailer hitch. 2,470,842, May 24.
- Barron-Gray Packing Company, assignee: *See*—
Erickson, Arvid M., and Ryan.
- Barrow, Wilmer L., Newton, Mass., assignor to Research Corporation, New York, N. Y. Electromagnetic horn. 2,467,578, Apr. 19.

- Barrow, Wilmer L., Concord, Mass., and D. S. Pensyl, Great Neck, and W. W. Miehler, Mineola, assignors, by mesne assignments, to Research Corporation, New York, N. Y. Radio direction indicating apparatus. 2,480,829, Sept. 6.
- Barrows, Clarence G., Hamden, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Window shade construction. 2,461,870, Feb. 15.
- Barrows, Donald S., and E. H. Blattner, assignors to The Symington-Gould Corporation, Rochester, N. Y. Railway truck journal box mounting. 2,460,211, Jan. 25.
- Barrows, Donald S., Rochester, N. Y., assignor to The Symington-Gould Corporation. Railway truck. 2,469,323, May 3.
- Barrows, Donald S., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Truck journal box mounting. 2,479,054, Aug. 16.
- Barrows, Donald S., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Brake beam support. 2,480,073, Aug. 23.
- Barrows, Robert S., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 2-chloro-1,3 butadiene co-polymers having improved stability. 2,478,737, Aug. 9.
- Barrows, Robert S., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of chloroprene in the presence of tetraalkyl-diaminodiphenyl methane. 2,478,738, Aug. 9.
- Barry, Arthur J.: *See—*
De Pree, Lee, Barry, and Hook.
- Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Production of organopolysiloxane resins with the aid of aluminum alkoxide. 2,460,799, Feb. 8.
- Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Rendering hydrophilic substance water repellent. 2,469,625, May 10.
- Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Organohalosilanes. 2,476,529, July 19.
- Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Alkylsilsesquioxanes. 2,465,188, Mar. 22.
- Barry, Arthur J., and J. W. Gilkey, Midland, and L. De Pree, Holland, assignors to The Dow Chemical Company, Midland, Mich. Preparation of silicon halides. 2,474,087, June 21.
- Barry, Arthur J., and D. E. Hook, Midland, and L. De Pree, Holland, assignors, by mesne assignments, to The Dow Chemical Company, Midland, Mich. Hydrochlorosilyl addition product with rubber. 2,475,122, July 5.
- Barry, Arthur J., and E. E. Merrill, assignors to Dow Corning Corporation, Midland, Mich. Production of organosiloxanes. 2,483,963, Oct. 4.
- Barry, Arthur J., Midland, and L. De Pree, Holland, assignors to The Dow Chemical Company, Midland, Mich. Production of alkyl silicon halides. 2,488,487, Nov. 15.
- Barry, L. N., Company, The, assignee: *See—*
Pietz, Ervin.
- Barry, Lawrence N., assignee: *See—*
Pietz, Ervin.
- Barry, Richard J., New York, assignor, by mesne assignments, to Irving Subway Grating Co., Inc., Long Island City, N. Y. Fastening device. 2,467,877, Apr. 19.
- Barry-Wehmiller Machinery Company, assignee: *See—*
Herold, James L., Nekola, and Wehmiller.
- Barsky, George, assignor to E. F. Drew & Co. Inc., New York, N. Y. Modifying glyceride oils. 2,484,979, Oct. 18.
- Barstad, Sverre A., Stavanger, Norway. Arrangement for salting and hooking of fish (herring). 2,469,026, May 3.
- Barsun, Herman F., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,473,845, June 21.
- Bart, Edward H.: *See—*
King, Victor L., and Bart.
- Bartel, George H., Minneapolis, Minn. Stock prod. 2,484,147, Oct. 11.
- Bartel, William H.: *See—*
Rennecamp, Clarence C., and Bartel.
- Bartelink, Everhard H. B., West Milton, N. Y., assignor to General Electric Company. Frequency modulation receiver. 2,465,782, Mar. 29.
- Bartelink, Everhard H. B., Bronxville, N. Y., assignor to General Electric Company. Radio communication system. 2,471,138, May 24.
- Bartelink, Everhard H. B., Bronxville, assignor to General Telephone Corporation, New York, N. Y. Station selector system. 2,478,361, Aug. 9.
- Bartels, Frank, assignor of one-fifth to J. G. Maslonka, Sacramento, Calif. Strainer and spout attachment for cans. 2,471,189, May 24.
- Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Lamp socket. 2,471,190, May 24.
- Bartelson, Sten E., Indianapolis, Ind., assignor to Radio Corporation of America. Projector drive mechanism. 2,478,679, Aug. 9.
- Bartelt, Paul, assignor to International Standard Electric Corporation, New York, N. Y. Transmission mechanism. 2,462,060, Feb. 22.
- Barter, Bert H., Coral Gables, Fla., assignor to Great Southern Box Company, Inc., New Orleans, La. Folded box. 2,468,951, May 3.
- Bartgis Bros., The, assignee: *See—*
Lupton, Elmer H.
- Barth, Albert R., San Angelo, Tex. Molding machine for making concrete building tile. 2,489,737, Nov. 29.
- Barth, Elmer J.: *See—*
Peterson, Carl D., and Barth.
- Barth, James S., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Temporary erection framing. 2,479,550, Aug. 23.
- Barth, Jay E., Pittman, N. J., assignor to Radio Corporation of America. Adjustable shaft stop. 2,459,012, Jan. 11.
- Barth, Robert H., Ridgewood, and J. E. Snow, Hasbrouck Heights, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Production of formal of pentaerythritol. 2,464,430, Mar. 15.
- Barth, Robert M., Bronxville, assignor to The FR Corporation, New York, N. Y. Belt disengaging device. 2,474,457, June 28.
- Barth, Theodore H., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Aircraft control system. 2,485,953, Oct. 25.
- Barth, William E.: *See—*
Van Sittert, Paul, and Barth.
- Barthel, Charles E., Gardner, Mass. Fish lure. 2,490,248, Dec. 6.
- Barthel, Justus C., Stamford, A. R. Davis, Riverside, and E. N. Poor, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilized dry rosin size composition. 2,471,714, May 31.
- Barthelemy, René, Fontenay aux Roses, assignor to Compagnie pour la Fabrication des Compteurs et Matériel d'Usines a Gaz, Montrouge, France. Image receiving cathodic tube. 2,479,458, Aug. 16.
- Bartholdy, Carl O., San Francisco, Calif. Machine tool fixture. 2,472,083, June 7.
- Bartholomew, Orlo A., Atlantic City, N. J. Automatic steering mechanism for trolley coaches and the like. 2,468,158, Apr. 26.
- Bartleson, John D.: *See—*
Hughes, Everett C., Bartleson, Sunday, and Fink.
- Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricating oil additive. 2,476,271, July 19.
- Bartlett, Benson G. W., assignor to one-half to Northern Patent Developments, Limited, Darlington, England. Annular floating toothed gearing. 2,462,455, Feb. 22.
- Bartlett, Burton W.: *See—*
Russell, Frank C., and Bartlett.
- Bartlett, Edward T., Philadelphia, Pa. Support for fowl or the like. 2,458,239, Jan. 4.
- Bartlett, Forrest A., Gardena, Calif., assignor to Press Wireless, Inc., Chicago, Ill. Multiplex radio system. 2,459,485, Jan. 18.
- Bartlett Hayward Division: *See—*
Hackethal, Paul F.
- Bartlett, James L. Jr., Westwood, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Axial flow fan. 2,468,723, Apr. 26.
- Bartlett, Jeffrey H.: *See—*
McNab, John G., and Bartlett.
Rogers, Dilworth T., and Bartlett.
- Bartlett, Kenneth M.: *See—*
Gibian, Emil F., and Bartlett.
- Bartlett, Kenneth M., assignor to Thompson Products Inc., Cleveland, Ohio. Electropolishing the internal surface of a hollow valve. 2,475,586, July 12.
- Bartlett, Malcolm B.: *See—*
Salman, Abe, and Bartlett.
- Bartlett, Malcolm B., Cincinnati, Ohio, assignor to F. A. Burris, Fort Mitchell, Ky. Collapsible chair. 2,465,003, Mar. 22.
- Bartlett, Paul D., Weston, and H. J. Dauben, Jr., Cambridge, Mass., and L. J. Rosen, Cumberland, Md. Preparation of lewisite. 2,465,834, Mar. 29.
- Bartlett, Ralph G., Lakeland, Fla. Hand truck. 2,475,874, July 12.
- Bartlett, Ronald G., J. L. Moillett, and R. J. W. Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Bonding fabrics. 2,483,330, Sept. 27.
- Bartlow, Hiram C., Sr., New York, N. Y. Breaker point refacing device. 2,474,086, June 21.
- Barto, Ward, Denver, Colo. Ball target. 2,469,061, May 3.
- Bartolat, Joseph J., Fort Lewis, Wash. Carbine tool. 2,460,272, Feb. 1.
- Bartolucci, Benedetto, Chicago, Ill. Pump. 2,490,575, Dec. 6.
- Bartolucci & Waldhelm, assignee: *See—*
Waldhelm, John J.
- Barton, Albert W.: *See—*
McCready, Lawrence F., and Barton.
- Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,468,159, Apr. 26.
- Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Improving cut growth resistance of butadiene-vinyl pyridine rubbery copolymers. 2,481,810, Sept. 13.

- Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Improving cut growth resistance of butadiene-vinyl pyridine rubber copolymers. 2,481,811, Sept. 13.
- Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Practice golf ball. 2,484,397, Oct. 11.
- Barton, Donald E., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,460,670, Feb. 1.
- Barton, George B., Tacoma, Wash. Weighing scale for the blind. 2,492,257, Dec. 27.
- Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Aircraft flight simulation projection device. 2,466,758, Apr. 12.
- Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Electroacoustic transducer. 2,473,846, June 21.
- Barton, Paul D.: See—
Dougherty, Patrick F., Barton and Hughes.
- Barton, Ralph, Deane, Bolton, and P. Adler, Salford, England. Safety device for lift and hoist cages. 2,490,613, Dec. 6.
- Barton, Robert C.: See—
Woods, Harold A., Yates, Klingens, and Barton.
- Bartram, Floyd L., El Monte, Calif. Fuel metering and distributing pump for diesel engines. 2,491,795, Dec. 20.
- Bartz, Quentin R.: See—
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.
- Bartz, Quentin R., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining chloroamphenicol. 2,483,871, Oct. 4.
- Barwick, Emerson C., Rugby, England, assignor to General Electric Company. Induction regulator. 2,468,536, Apr. 26.
- Barwick, Keith E., assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,482,892, Sept. 27.
- Bary, Woldemar A., New York, assignor of fifty per cent to L. A. Samoiloff, Brooklyn, N. Y. Rotary engine or compressor. 2,476,397, July 19.
- Basde, Joseph A., New Orleans, assignor, by mesne assignments, to J. G. and J. J. Sloat, Slidell, La. Hydraulic clutch. 2,482,313, Sept. 20.
- Bascom, Frances: See—
Vanderbilt, Byron M., and Bascom.
- Bascom, Henry M.: See—
Abbott, Henry H., Bascom, and Fairlamb.
- Bascom, Henry M., New York, R. F. Massonneau, Scarsdale, B. Ostendorf, Jr., Jamaica, and W. T. Rea, Manhasset, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,487,781, Nov. 15.
- Basdekis, Costas H.: See—
Park, Harold F., Basdekis, and Dunlap.
- Basdekis, Costas H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis Mo. Dehydrochlorination of chlorethyl polychlorobenzenes. 2,485,524, Oct. 18.
- Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Hanger support. 2,460,248, Jan. 25.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Trussed brake beam. 2,473,001, June 14.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,473,002, June 14.
- Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Truss type brake beam casting. 2,481,969, Sept. 13.
- Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Bolster mounted brake. 2,488,845, Nov. 22.
- Basford, Frederick R., F. H. S. Curd, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 2-benziminazoyl-amino pyrimidines. 2,460,409, Feb. 1.
- Basford, Frederick R., F. H. S. Curd, F. L. Rose, and H. T. Openshaw, Manchester, and R. Hull and A. R. Todd, Cambridge, England, assignors to Imperial Chemical Industries Limited. Pyrimidine compounds. 2,465,568, Mar. 29.
- Basham, Henry J., Wichita Falls, Tex. Flexible stuffing box and pipe-joint assembly. 2,490,333, Dec. 6.
- Basham, Raymond B., assignor to Westronics Inc., Fort Worth, Tex. Electronic flash tube apparatus. 2,469,913, May 10.
- Bashark, Nicholas: See—
Grant, David, and Bashark.
- Bashark, Nicholas, Dayton, Ohio. Fluid pump automatic air bleed valve. 2,469,362, May 10.
- Bashore, Homer H., assignor to Precision Scientific Co., Chicago, Ill. Testing apparatus for elastomeric material. 2,482,147, Sept. 20.
- Basic Refractories, Inc., assignee: See—
Schoenlaub, Robert A.
- Baskerville, Ralph J., Merwood Park, Pa., assignor to General Electric Company. Operating mechanism for electric circuit breakers. 2,458,240, Jan. 4.
- Baskin, Charles M., Toronto, Ontario, and N. W. McLeod, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Producing fibrous building compositions. 2,473,190, June 14.
- Baskin, Thurman L., Jr., Zion, Ill. Article carrier for kite strings. 2,469,449, May 10.
- Bass, Harland A., Mount Healthy, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Relaxation oscillator capacitance multivibrator. 2,461,871, Feb. 15.
- Bass, Harland A., Mount Healthy, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Automatic frequency control circuit for television deflecting systems. 2,492,090, Dec. 20.
- Bassano, Charles E., Tyler, Tex. Centrifugal compressor and evacuator. 2,488,157, Nov. 15.
- Basseches, Jacob T., assignee: See—
Wen, Lian-Tong.
- Bassett, Bert L., I. L., and W. E., Detroit, Mich., assignors to Safety-Scape Corporation. Safety supporting and suspension means. 2,479,459, Aug. 16.
- Bassett, Irving L.: See—
Bassett, Bert L., I. L., and W. E.
- Bassett, Linton T.: See—
Harris, Carl C., and Bassett.
- Bassett, Merton O., Schenectady, N. Y., assignor to General Electric Company. Web scanning device. 2,458,926, Jan. 11.
- Bassett, Merton O., Schenectady, N. Y., assignor to General Electric Company. Radiation filter. 2,461,254, Feb. 8.
- Bassett, Willard E.: See—
Bassett, Bert L., I. L., and W. E.
- Bassett, William E., Woodbridge, Conn. Nail clipper. 2,477,782, Aug. 2.
- Bassford, Henry H., Jr., and W. S. Harmon, Elizabeth, and J. F. Mahoney, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing ascorbic acids. 2,462,251, Feb. 22.
- Bassick Company, The, assignee: See—
Claud-Mantle, Arthur.
Herold, Walter F.
- Bast, Gerardus H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multi-channel carrier wave system employing multiple modulation. 2,489,361, Nov. 29.
- Bastian-Blessing Company, The, assignee: See—
Boedecker, Woodrow S.
Boedecker, Woodrow S., and Hinrichs.
Buttner, William C.
Buttner, William C., and Allshouse.
Buttner, William C., Norway, and Bunce.
Sundstrom, Savin L.
- Bastian Brothers Company, assignee: See—
Wegman, Jules G.
- Bastow, Harry, Pittsburgh, Pa. Stenographic recording machine. 2,486,777, Nov. 1.
- Bastrup, Kay L., assignor to Tri-Clover Machine Co., Kenosha, Wis. Line filter. 2,489,362, Nov. 29.
- Bata, Národní podnik, assignee: See—
Bouchal, Jaroslav.
Zaoral, Josef.
Zelinka, Josef.
- Batavia Body Company, Incorporated, assignee: See—
Miller, Eldon F.
- Batchelder, Howard R., Chicago, Ill., assignor to The United Gas Improvement Company. Pitch resin. 2,462,593, Feb. 22.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Fractional frequency generator. 2,460,800, Feb. 8.
- Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine sound direction determining system. 2,467,368, Apr. 19.
- Batchell, George W., assignor to Toledo Engineering Company, Inc., Toledo, Ohio. Sheet glass forming apparatus and method. 2,475,773, July 12.
- Batchell, George W., assignor to Toledo Engineering Company, Inc., Toledo, Ohio. Method of and apparatus for feeding batch materials. 2,479,805, Aug. 23.
- Batcheller, Hugh W., Newton, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Electric switch. 2,466,072, Apr. 5.
- Batcheller, Hugh W., Newton Highlands, assignor to Ark-Les Switch Corporation, Watertown, Mass. Electric connector with spring wire. 2,471,923, May 31.
- Batcheller, Hugh W., Newton Highlands, assignor, by mesne assignments, to Ark-Les Switch Corporation, Watertown, Mass. Electric switch or rheostat. 2,479,896, Aug. 23.
- Batchler, Roy, Washington, D. C. Pipe joint. 2,462,348, Feb. 22.
- Bateman, Amos W., Manoa, Pa., assignor to General Electric Company. Desensitizing differential protective systems. 2,483,119, Sept. 27.
- Bateman, Fred S., Wayne, and J. H. Corwin, Pottstown, Pa., said Corwin assignor to said Bateman. Hayrake. 2,489,256, Nov. 29.
- Bates, Albert H., Rockford, Ill. Piston ring gap-aligning device. 2,471,402, May 31.
- Bates, Beulah H., assignee: See—
Bates, Walter A.
- Bates, Edward L., Modesto, assignor to D. O. Druge, Alameda County, Calif. Sandpaper holder. 2,465,569, Mar. 29.

- Bates, Fred G., Detroit, Mich. Device for dispensing lubricating oil. 2,486,245, Oct. 25.
- Bates, Herbert T., Lincoln, Nebr., and D. J. Fergus and A. F. Craver, assignors to The Cleveland Heater Company, Cleveland, Ohio. Water heating device with corrosion protective anode. 2,459,123, Jan. 11.
- Bates, James E.: *See—*
Harsh, Harold C., and Bates.
- Bates, John R., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Catalysts. 2,461,104, Feb. 8.
- Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalyst and process for hydrocarbon conversion. 2,463,508, Mar. 8.
- Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalysts of hydrocarbons. 2,464,205, Mar. 15.
- Bates, Lawrence G., Shaker Heights, Ohio, assignor of one-third to E. L. Silverblatt, New York, N. Y., and one-third to E. Pelson, Reading, Pa. Film fastening reel. 2,467,607, Apr. 19.
- Bates Manufacturing Company, assignee: *See—*
Watson, William.
- Bates Manufacturing Company, The, assignee: *See—*
Franz, Frederick.
- Bates, Mortimer F.: *See—*
Ayres, Waldemar A., and Bates.
- Bates, Mortimer F., Brooklyn, N. Y., assignor to The Sperry Corporation. Electrical test apparatus. 2,459,142, Jan. 18.
- Bates, Reginald E., Amsterdam, N. Y., assignor to H. and M. M. Miller, doing business as Miller Manufacturing Company, Amsterdam, N. Y. Garment turner. 2,464,286, Mar. 15.
- Bates, Robert L., Lexington, Va. Apparatus for production of relief surfaces. 2,472,273, June 7.
- Bates, Sidney E., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Actuating means for rail lubricating pumps. 2,490,334, Dec. 6.
- Bates, Sulley J., Lorain, Ohio, assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Bowling ball with flat sided finger holes. 2,485,471, Oct. 18.
- Bates, Walter A., assignor to B. H. Bates, Joliet, Ill. Grating. 2,477,228, July 26.
- Bates, William A.: *See—*
Orr, Helen T., and Bates.
- Bath, Cyril J., Chagrin Falls, Ohio. Contour forming machine. 2,465,705, Mar. 29.
- Batho, William F., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door operating mechanism for dump cars. 2,479,292, Aug. 16.
- Batigne Marc E.: *See—*
Grunfeld, Maximilien, and Batigne.
- Battagliini, René, San Francisco, Calif. Gun aiming system. 2,474,813, July 5.
- Battelle Development Corporation, assignee: *See—*
Beaver, Wallace W.
Liger, Andrew W.
- Battelle Memorial Institute, assignee: *See—*
Jackson, Lloyd R., and Ramaley.
Strader, James E.
- Batten, Percy H., assignee: *See—*
Boestad, Gustav K. W.
Boestad, Gustav K. W., and Ericksson.
Boestad, Gustav K. W., and Nilsson.
Lysholm, Alf.
Nilsson, Hans R.
- Battenfeld Grease & Oil Corp., assignee: *See—*
Battenfeld, Paul C.
- Battenfeld, Paul C., assignor to Battenfeld Grease & Oil Corp., Kansas City, Mo. Reservoir and applicator for calking compounds. 2,478,078, Aug. 2.
- Battershill, Frederick J.: *See—*
Lubbock, Isaac, and Battershill.
- Batterson, Ernest W., assignor to Shakespeare Products Company, Kalamazoo, Mich. Control lock mechanism. 2,486,098, Oct. 25.
- Battey, Alexander J., Skaneateles, N. Y. Spark plug cleaner. 2,458,825, Jan. 11.
- Bathey, Alexander J., Skaneateles, assignor to Auburn Spark Plug Co., Incorporated, Auburn, N. Y. Spark plug adapter assembly. 2,467,004, Apr. 12.
- Battilani, Stefano, New York, N. Y. Vacuum type coffee-making utensil. 2,462,349, Feb. 22.
- Battista, Orlando A., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Production of globular regenerated cellulose particles. 2,465,343, Mar. 29.
- Battistella, Frank C., assignor to R. E. Bishop, New York, N. Y. Extraction of the useful content of olive pits and the products thereof. 2,475,419, July 5.
- Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Refrigerant container for refrigerator cars. 2,459,211, Jan. 18.
- Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Corrugated steel floor for refrigerator cars. 2,466,073, Apr. 5.
- Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Steel floor for refrigerator cars. 2,480,695, Aug. 30.
- Batton, Fenton E.: *See—*
Batton, Mary G. and F. E.
- Batton, Mary G. and F. E., Brattleboro, Vt. Cosmetic device. 2,477,921, Aug. 2.
- Batzdorff, Alfred: *See—*
Urban, Joseph T., and Batzdorff.
- Bau, Robert G., North Hollywood, Calif. Dispenser with flow restricting valve. 2,471,852, May 31.
- Bauberger, Charles W., Malverne, N. Y. Faucet mixing valve. 2,490,726, Dec. 6.
- Baudry, René A.: *See—*
Criner, Harry E., and Baudry.
- Baudry, René A., Pittsburgh, and P. R. Heller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lifting, braking, and jacking system for vertical-shaft rotating machines. 2,473,847, June 21.
- Bauer, Arthur G., Wantagh, assignor to J. H. Eggers, Great Neck, N. Y. Fusible extension cord plug. 2,486,380, Nov. 1.
- Bauer, August, Beechhurst, N. Y. Silencer and recoil reducer for firearms. 2,457,802, Jan. 4.
- Bauer, Benjamin B., Oak Park, assignor, by mesne assignments, to Shure Brothers, Incorporated, Chicago, Ill. Phonograph pickup having fulcrum suspended drive arm. 2,486,099, Oct. 25.
- Bauer, Carl F., and D. A. Wangelin, Rock Island, and C. L. Scott, assignors to Deere & Company, Moline, Ill. Wagon box. 2,486,381, Nov. 1.
- Bauer, Carl F., and D. A. Wangelin, Rock Island, and C. L. Scott, assignors to Deere & Company, Moline, Ill. End-gate construction. 2,486,382, Nov. 1.
- Bauer, Charles A., Newburg, Ind., and W. A. Barnes, Utica, N. Y., assignors to Hoosier Cardinal Corporation, Evansville, Ind. Making grilles for radio sets. 2,470,389, May 17.
- Bauer, Dave, Lakewood City, Calif. Automatic tee. 2,464,550, Mar. 15.
- Bauer, Emma L., assignee: *See—*
Smith, Alvin W.
- Bauer, Ernest K.: *See—*
Frist, Joseph O., and Bauer.
- Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Bobbin-spindle assembly. 2,463,591, Mar. 8.
- Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Traverse mechanism. 2,492,412, Dec. 27.
- Bauer, Hans A., assignor to Autopoint Company, Chicago, Ill. Clip for mechanical pencils, fountain pens, and the like. 2,488,114, Nov. 15.
- Bauer, Hans A., Prairie View, assignor to Autopoint Company, Chicago, Ill. Pencil and pen clip. 2,492,028, Dec. 20.
- Bauer, Hans F., and E. F. Glabe, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co. Inc. Stabilized sodium diacetate. 2,475,368, July 5.
- Bauer, Harold G., Eden, Idaho. Swinging hitch. 2,458,330, Jan. 4.
- Bauer, Joseph, and A. Schittelbauer, Detroit, Mich. Height gauge. 2,462,350, Feb. 22.
- Bauer, Jordan V.: *See—*
Caesar, George V., Bauer, and Hawley.
- Bauer, Kenneth E.: *See—*
McAdam, Ralph E., and Bauer.
- Bauer, La Verne N.: *See—*
Neher, Henry T., and Bauer.
- Bauer, William, assignor to The Tappan Stove Company, Mansfield, Ohio. Gas range top unit. 2,466,979, Apr. 12.
- Bauer, William M., Glen Ridge, assignor to Curtiss-Wright Corporation, Bloomfield, N. J. Method of and apparatus for testing ignitions. 2,459,974, Jan. 11.
- Bauerlein, Carl C., Glencoe, and E. J. Jaskiewicz, assignors to The Dole Valve Company, Chicago, Ill. Dispenser with removable container. 2,487,999, Nov. 15.
- Bauernfreund, Max, and J. Frei, New York, N. Y. Collapsible cosmetic and all-purpose utility box. 2,485,028, Oct. 18.
- Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,492,374, Dec. 27.
- Baughman, Ray G., Linton, assignor of one-half to R. H. Sherwood, Indianapolis, Ind. Coal drier. 2,478,804, Aug. 9.
- Baukus, Frank W., Saginaw, Mich. Office implement. 2,478,175, Aug. 9.
- Baulch, Ernest L., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trainer for enabling the giving of radio instruction. 2,458,550, Jan. 11.
- Baum, Arthur A.: *See—*
Sturgis, Bernard M., and Baum.
- Baum, Arthur A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of butadiene copolymer rubbers by means of halogenated alliphatic hydrocarbons. 2,478,036, Aug. 2.
- Baum, Fred, New York, N. Y. Trouser hanger. 2,475,442, July 5.
- Baum, Jasper, Bronx, assignor to Sonotone Corporation, Elmsford, N. Y. Ear insert for earphones. 2,487,038, Nov. 8.
- Baum, Newton V., Baltimore, Md. Device for gauging and bagging a group of articles. 2,476,475, July 19.
- Baum, W. A., Co., Inc., assignee: *See—*
Hanafin, Bernard M.

- Bauman, Edwin E., River Edge, N. J. Aneroid, including loading mechanism therefor. 2,489,073, Nov. 22.
- Bauman, Jack L.: *See*—
Blaydes, Frederick T., and Bauman.
- Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Humidity control system. 2,458,048, Jan. 4.
- Bauman, Joseph, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Push-on mechanism for sealing screw cap containers under vacuum. 2,465,706, Mar. 29.
- Bauman, Joseph J., Chicago, Ill., assignor to Kurz-Kasch, Inc., Dayton, Ohio. Sectional radio cabinet. 2,468,727, May 3.
- Bauman, Morton A., assignor to The Lees-Bradner Company, Cleveland, Ohio. Injection molding machine. 2,475,272, July 19.
- Bauman, Thomas S., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Silk screen stencil decorating machine. 2,484,671, Oct. 11.
- Bauman, William C.: *See*—
Hunter, Melvin J., and Bauman.
- Bauman, William C., assignor to The Dow Chemical Company, Midland, Mich. Production of sulfonated resin ion exchange agents in stable granular form. 2,466,675, Apr. 12.
- Baumann, Arnold W., Chicago, Ill. Milk evaporator. 2,485,689, Oct. 25.
- Baumann, Bruno A.: *See*—
Nordquist, Ronald E. J., and Baumann.
- Baumann, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Commutator machine control. 2,460,729, Feb. 1.
- Baumann, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine armature winding. 2,477,951, Aug. 2.
- Baumann, Karl, Mere, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Fluid turbine power plant with speed reduction transmission gearing. 2,472,878, June 14.
- Baumann, Karl, Mere, Knutsford, assignor, by mesne assignments, to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Bladed impeller for turboblowers. 2,483,610, Oct. 4.
- Baumann, Karl, Mere, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Rotor for multistage turbines and compressors. 2,492,833, Dec. 27.
- Baumann, Ross, Bakersfield, Calif. Swivel connector for electric cords. 2,476,398, July 19.
- Baume, Edwall J., Long Beach, Calif. Screen for use in association with fire nozzles. 2,491,796, Dec. 20.
- Baumeier, William L., Eggertsville, N. Y. Clothesline prop. 2,460,916, Feb. 8.
- Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Coupling device. 2,461,024, Feb. 8.
- Baumgarten, Erwin: *See*—
Brouillard, Robert E., and Baumgarten.
Lecher, Hans Z., Brouillard, and Baumgarten.
- Baumgartner, John G., Aurora, Ill. Brushmaking machine. 2,486,383, Nov. 1.
- Baumhardt, Lofton C.: *See*—
King, Burnham W., Jr., and Baumhardt.
- Baumle, Rudolf K. F., assignor to Illinois Tool Works, Chicago, Ill. Screw fastener. 2,484,645, Oct. 11.
- Baumwoll-Spinnerel & Weberel Wettingen, assignee: *See*—
Lanz, Adolf.
- Baur, John W.: *See*—
Striegel, Harold L., Gustafson, and Baur.
- Baur, Joseph A., North College Hill, Ohio. Fishing rod holder. 2,479,055, Aug. 16.
- Baur, Michael, Vancouver, British Columbia, Canada. Bacon substitutes. 2,478,520, Aug. 9.
- Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electrical circuit, including a switch and plug mechanism. 2,467,458, Apr. 19.
- Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric traction motor. 2,473,130, June 14.
- Bausch & Lomb Optical Company, assignee: *See*—
Aspenleiter, Joseph W.
Ellestad, Gerhard A.
Flint, Edward F.
Forrest, John W.
Kreidl, Norbert J., and Ohliger.
Lindgren, Nils, and Roos.
Roos, Paul A.
Street, Donald T.
Tackaberry, Robert B.
Wolfe, Bernard J.
- Bausman, George H., Baltimore, Md. Piston rod packing. 2,468,285, Apr. 26.
- Bauters, Joseph P., Chicago, Ill. Signaling device for cycles and the like. 2,469,944, May 10.
- Bayley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 1-substituted-2,5-diketo-7-methylpyrimidopyrazoles and preparing same. 2,481,466, Sept. 6.
- Bawden, Jesse M., Vallejo, Calif. Coin trapping game. 2,482,893, Sept. 27.
- Bax, Hendrikus G. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Power supply system. 2,459,486, Jan. 18.
- Baxter, Adrian A., Brownville, N. Y. Wind gauge. 2,487,414, Nov. 8.
- Baxter, Albert W., Ogdensburg, N. Y. Sadiron holder. 2,485,472, Oct. 18.
- Baxter, Donald: *See*—
Arnold, Michael H. M., and Baxter.
- Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,473,848, June 21.
- Baxter, Howard A., Green Village, and H. T. Budenbom, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radar antenna driving mechanism. 2,479,897, Aug. 23.
- Baxter, James G., assignor to Distillation Products, Inc., Rochester, N. Y. Ejector and condensation pump. 2,464,369, Mar. 15.
- Baxter, James G., M. H. Stern, and L. Weisler, assignors to Distillation Products, Inc., Rochester, N. Y. Delta-tocopherol. 2,486,541, Nov. 1.
- Baxter Laboratories, Inc., assignee: *See*—
Nesset, Maurice M.
Nesset, Maurice M., and Nawoj.
- Baxter, Stanley M., Burlington, Mass. Producing stannic oxide. 2,474,645, June 28.
- Baxter, Warren P.: *See*—
Cary, Henry H., and Baxter.
Norway, Harold L.
- Baxter, William C.: *See*—
De Fuy, Charles T., and Baxter.
- Bayard, Julius H., Seattle, Wash., assignor to Foster Wheeler Corporation, New York, N. Y. Ignition device. 2,464,787, Mar. 22.
- Bayer, Alfred R., Chatham, N. J., and E. J. Murphy, St. Albans, N. Y. Sulfur removal from benzol. 2,488,895, Nov. 22.
- Bayer, Charles H., Wynnewood, Pa., assignor to General Electric Company. Hinging arrangement. 2,490,504, Dec. 6.
- Bayers, Louis L.: *See*—
Willis, Ralph R., and Bayers.
- Bayle, André A. C., Boulogne-sur-Seine, France. Protective device for thermal receivers. 2,472,879, June 14.
- Bayler, Helen M., Los Angeles, Calif. Lever and pawl feed sliding jaw wrench. 2,492,834, Dec. 27.
- Bayler, Howard O., and R. M. Shoemaker, Los Angeles, Calif. Supporting a plurality of garment hangers. 2,476,476, July 19.
- Bayless, George W., assignor to T. Kotzin, Los Angeles, Calif. Patch pocket and making same. 2,468,915, May 3.
- Bayless, Russell E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Countersinking tool. 2,482,535, Sept. 20.
- Bayless, William T., Swissvale, Pa. Automatic drilling machine. 2,479,293, Aug. 16.
- Baylin, Samuel, Montreal, Quebec, Canada. Rotary power unit. 2,466,759, Apr. 12.
- Baylis, Albert H., Ypsilanti, Mich., and H. L. Rawlins, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,479,294, Aug. 16.
- Baylor, Arthur D., Cincinnati, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Aircraft glide path indicator. 2,475,123, July 5.
- Bayshore Industries, Inc., assignee: *See*—
Mafko, Rudolf.
- Bay State Optical Company, assignee: *See*—
Hansen, Julius E.
- Bayston, John R., Chicago, Ill. Pump utilizing the heat of liquids in a plumbing system. 2,484,371, Oct. 11.
- Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,460,116, Jan. 25.
- Beach, Earl F.: *See*—
Wallace, James M., Edwards, and Beach.
- Beach, Harold W.: *See*—
Salinger, Hans W. G., and Beach.
- Beach, Howard W., Jr., Montville, assignor to Eclipse Air Brush Co., Newark, N. J. Spray gun nozzle. 2,475,000, July 5.
- Beach, Hugh J., Glen Ellyn, assignor to Flexible Steel Lacing Company, Chicago, Ill. Flexible belt fastener. 2,477,855, Aug. 2.
- Beach, Hugh J., Glen Ellyn, assignor to Flexible Steel Lacing Company, Chicago, Ill. V-belt fastener. 2,490,195, Dec. 6.
- Beach, James B., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Canopy control and jettisoning mechanism. 2,479,713, Aug. 23.
- Beach, Leland K., Mountainside, and G. C. Connolly, Elizabeth, N. J., assignors to Standard Oil Development Company. Catalytic partial oxidation process. 2,471,853, May 31.
- Beach, Lennox F., Merrick, N. Y., assignor to Purves Corporation, Springfield, Mass. Apparatus sensitive to magnetic fields. 2,476,273, July 19.
- Beach, Ralph H., Baltimore, Md., assignor to Gerotor May Corporation. Arresting cavitation in operation of pumps. Re. 23,170, Nov. 29.
- Beach, Ralph H., Baltimore, Md. Base metal thermopile. 2,490,196, Dec. 6.

- Beach, Ralph L., Jr., Georgetown, S. C., assignor to International Paper Company, New York, N. Y. Shipping package. 2,474,968, July 5.
- Beachell, Harold C., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning product and process. 2,469,428, May 10.
- Beachell, Harold C., Lakewood, and M. Svoda, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of chloral containing under-chlorinated constituents. 2,473,003, June 14.
- Beachler, Edward D.: *See*—
Goodwillie, John E., and Beachler.
Hornbostel, Lloyd, and Beachler.
James, Burton E., and Beachler.
- Beadle, Buell W.: *See*—
Bowman, Jay, and Beadle.
- Beal, Aida T., Baltimore, Md. Garment form. 2,481,561, Sept. 13.
- Beal, George M.: *See*—
Schafroth, Werner, and Beal.
- Beal, James F., assignor to Renfrew Electric & Refrigerator Company Limited Renfrew, Ontario, Canada. Multi-position switch. 2,462,594, Feb. 22.
- Beal, Keith F., Berwyn, and C. J. B. Thor, Western Springs, assignors to The Visking Corporation, Chicago, Ill. Polyvinyl acetal resins. 2,459,488, Jan. 18.
- Beal, Robert, assignee: *See*—
Lawrence, Durward L.
- Beale, Charles E.: *See*—
Gillings, Charles, and Beale.
- Beale, Charles E., and H. E. Hopley, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Voice frequency signaling circuits for telephone systems. 2,486,100, Oct. 25.
- Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Internal-combustion operated free-piston machine. 2,470,231, May 17.
- Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Control means for internal-combustion-operated free-piston machines. 2,472,934, June 14.
- Beall, Benjamin S., III: *See*—
Tower, Dell K., and Beall, III.
- Beall, Charles T., Casper, Wyo. Power operated chair. 2,468,801, May 3.
- Beall, Frank H., Detroit, Mich. Internal-combustion engine. 2,484,672, Oct. 11.
- Beals, Gillson W., Meriden, and J. Carulli, Branford, assignors to The Miller Company, Meriden, Conn. Fluorescent lighting equipment. 2,463,013, Mar. 1.
- Beam, Arthur P., and H. R. Shelton, Conn. Abrasive and polishing head. 2,469,429, May 10.
- Beam, Harry R.: *See*—
Beam, Arthur, and H. R.
- Beamman, Bernard J., Hulman, and R. A. Stein, Dayton, Ohio. Hydraulic pressure pump or motor. 2,459,786, Jan. 25.
- Beamer, Clayton M.: *See*—
Chappell, Robert E., Beamer, and Duff.
- Beamer, Clayton M., and M. C. Fuqua, Baton Rouge, La., assignors to Standard Oil Development Company. Sulfuric acid concentration. 2,478,680, Aug. 9.
- Beamer, Scott, Oakland, Calif. Transformer. 2,464,287, Mar. 15.
- Beams, Jesse W.: *See*—
Masket, Albert V., Snoddy, and Beams.
- Bean, Arthur L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Variable stroke shaping machine. 2,464,981, Mar. 22.
- Bean, Arthur W., Brough, England. Tool bar assembly for agricultural purposes. 2,477,229, July 26.
- Bean, Clinton, New Rochelle, N. Y. Dowel retainer for use with concrete pavement forms. 2,489,851, Nov. 29.
- Bean, Harold T., Santa Monica, Calif. Aircraft landing wheel rotating means. 2,466,568, Apr. 5.
- Bean, Howard S., and F. C. Morey, Kensington, Md., assignors to the United States of America as represented by the Secretary of the Navy. Control system and landing gear for airborne components. 2,489,257, Nov. 29.
- Bean, James J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Heavy-media separation apparatus. 2,474,774, June 28.
- Bean, Louis A., Indian Hills, Colo. Fish pole holder and lifter. 2,482,999, Sept. 27.
- Bean, Larifa L., Yellow Springs, Ohio, assignor to General Motors Corporation, Detroit, Mich. Treatment of plaster of Paris bonded molds with liquid hydrocarbon prior to autoclaving. 2,480,896, Sept. 6.
- Beanland, Charles P., Chelmsford, England, assignor to Radio Corporation of America. Diversity radio receiving system. 2,459,259, Jan. 18.
- Beard, Fred B., Detroit, Mich. Bow quiver. 2,464,068, Mar. 8.
- Beard Manufacturing Company, assignee: *See*—
Brooks, Charles H.
Woehner, Henry.
- Beare, Charles G., Melrose, Mass. Frame for artists' canvases with expanders. 2,491,600, Dec. 20.
- Beard, Charles L., Lancaster, Pa. Reel. 2,492,515, Dec. 27.
- Beard, Earl E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized phthalocyanine toners for paints, enamels, and lacquers. 2,476,950, July 26.
- Beard, Earl E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized phthalocyanine toners for paints, enamels, and lacquers. 2,476,951, July 26.
- Beard, Earl E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncrystallizing printing compositions. 2,476,952, July 26.
- Beard, Ernest G., Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Phase or frequency modulation system. 2,476,349, July 19.
- Beard, John H., Ruston, La. Animal poke. 2,461,255, Feb. 8.
- Beard, Joseph G., Haddonfield, and L. W. Born, Collingswood, N. J., assignors to Radio Corporation of America. Frequency modulation. 2,469,289, May 3.
- Beard, Joseph G., Haddonfield, N. J., and R. F. Dressler, Philadelphia, Pa., assignors to Radio Corporation of America. Circuit tuner. 2,469,324, May 3.
- Beard, Walter F., Philadelphia, Pa. Clutch operator. 2,488,522, Nov. 22.
- Bearden, La Moyné D.: *See*—
Malm, Carl J., and Bearden.
- Beardslee, Arthur C., Arcade, assignor to The Borden Company, New York, N. Y. Removing ultimate moisture from powdered products. 2,465,963, Mar. 29.
- Beardsley, Albert J., Lance Creek, Wyo. Tie puller. 2,463,847, Mar. 8.
- Beardsley, Alling P., Plainfield, N. J., assignor, by mesne assignments, to Chemical Construction Corporation, New York, N. Y. Nitric acid concentration. 2,463,453, Mar. 1.
- Bearse, Arthur E.: *See*—
Leonard, John E., and Bearse.
- Beasley, Jesse W., and L. B. Haberle, Jacksonville, Tex.; said Beasley assignor to V. Beasley, and said Haberle assignor to E. Haberle. Mud mixer. 2,478,079, Aug. 2.
- Beasley, Viola: *See*—
Beasley, Jesse W., and Haberle.
- Beatrice Creamery Company, assignee: *See*—
Shadwick, George W.
- Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling thread cutter for weft replenishing looms. 2,471,809, May 31.
- Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism for looms. 2,481,812, Sept. 13.
- Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Transferer arm for weft replenishing looms. 2,488,158, Nov. 15.
- Beattie, Horace S.: *See*—
Page, Ralph E., and Beattie.
- Page, Ralph E., Beattie, and Daly.
- Beattie, Orville R.: *See*—
Washbond, Harry H., and Beattie.
- Beattie, Robert, Plainfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Making fiber containers with metallic closures. 2,467,182, Apr. 12.
- Beatty, Donald C., near Media, Pa. Road sign with location indicator. 2,492,679, Dec. 27.
- Beatty, Elmer W., assignor of one-half to I. W. Millard, Danville, Ill. Finger cot. 2,461,872, Feb. 15.
- Beatty, Henry M.: *See*—
Dickey, Ralph L., and Beatty.
- Beatty, Horatio E., Elberfeld, and T. W. Mullen, Evansville, Ind., said Mullen assignor to said Beatty. Condition holder. 2,484,148, Oct. 11.
- Beatty, Robert D.: *See*—
Findley, Howard J., and Beatty.
- Beatty, William A., London W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. High-frequency electrical communication system utilizing damped oscillations. 2,462,061, Feb. 22.
- Beatty, William E., assignee: *See*—
Schroeder, Oscar W.
- Beaty, David, assignor to D. Beaty, 3d, and R. T. Beaty, both of Warren, Pa. Cable connection. 2,465,783, Mar. 29.
- Beaty, David, 3d, assignee: *See*—
Beaty, David.
- Beaty, Rachel T., assignee: *See*—
Beaty, David.
- Beauchamp, Wilfred A., Chicago, Ill., and C. Lute, Hammond, Ind., assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Door locking and opening and closing device. 2,477,112, July 26.
- Beauchamp, Wilfred A., and T. Madland, Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Car door and lock therefor. 2,483,611, Oct. 4.
- Beaumont, Charles D., U. S. Navy. Fluid storage and protective system. 2,491,474, Dec. 20.
- Beaumont, William W., Boston, and A. Teplitz, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Sheet piler. 2,489,004, Nov. 22.
- Beauchemin, Leo A., Windsor, Ontario, Canada. Forming device. 2,475,539, July 5.
- Beaudette, Edward, assignee: *See*—
Beaudette, Victor.

- Beaudette, Henry, administrator, assignee: *See*—
Beaudette, Victor.
- Beaudette, Victor: H. Beaudette, administrator of said V. Beaudette, deceased, assignor to H. Beaudette, Old Orchard Beach, Maine, and E. Beaudette, Hartford, Vt. Bowling ball cleaner or polisher. 2,479,898, Aug. 23.
- Beaudoin, Rose, Westmount, Quebec, Canada. Hat carrier. 2,474,458, June 28.
- Beaver Art Metal Corporation, assignee: *See*—
Weisz, Daniel I.
- Beaver, Charles J., Bowdon, and E. L. Davey, Timperley, assignors to W. T. Glover & Company Limited, Manchester, England. Joining of conductors of electric cables. 2,459,212, Jan. 18.
- Beaver, Daniel C., Mason City, Iowa. Roofer's knife. 2,459,407, Jan. 18.
- Beaver, Henry E., assignor to Swift & Company, Chicago, Ill. Meat trimming gauge. 2,486,629, Nov. 1.
- Beaver, Wallace W., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Recovering surface permeability of a porous body. 2,478,856, Aug. 9.
- Bebb, Robert L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making and compounding synthetic rubber. 2,459,740, Jan. 18.
- Beber, Adolph J., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of dithiazyl disulfide. 2,468,952, May 3.
- Bebinger, Charles N., and A. T. Jones, New Philadelphia, Ohio, assignors, by mesne assignments, to Joy Manufacturing Company. Fluid pressure actuated clutch. 2,489,258, Nov. 29.
- Becan, Arthur F., Patchogue, N. Y. Carbon paper set. 2,467,459, Apr. 19.
- Becchia, Hugo, New York, N. Y. Centrifugal homogenizer. 2,482,235, Sept. 20.
- Bechard, Conrad E., Euclid, Ohio, assignor to General Electric Company. Article comprising and placing indicia thereon. 2,489,259, Nov. 29.
- Becher, Paul: *See*—
Schlesinger, Walter, and Becher.
- Becher, Wesley R., Wethersfield, assignor to The Sillex Company, Hartford, Conn. Filter. 2,464,843, Mar. 22.
- Bechle, Charles W.: *See*—
Olson, John W., and Bechle.
- Bechler, André, Berne, Switzerland. Transmission gear for machine tools. 2,472,880, June 14.
- Bechler, André, Moutier, Switzerland. Gripping device for the bar in turret lathes. 2,462,936, Mar. 1.
- Bechler, André, Moutier, Switzerland. Accessory drill for automatic lathes. 2,475,734, July 12.
- Bechler, André, Moutier, Switzerland. Cam device in machine tools. 2,489,444, Nov. 29.
- Bechler, André, Moutier, Switzerland. Automatic lathe. 2,492,455, Dec. 27.
- Bechman, William O., Chicago, and D. B. Baker, Riverside, Ill., assignors to International Harvester Company. Fluid controlled vehicle change-speed steering apparatus. 2,470,209, May 17.
- Bechtel, Welker G., and C. C. Kesler, Cedar Rapids, Iowa, assignors to Corn Industries Research Foundation, New York, N. Y. Viscometer. 2,491,639, Dec. 20.
- Bechtol, Lavon D.: *See*—
McBee, Earl T., and Bechtol.
- Bechtold, Ira C., Whittier, F. M. Stephens, Los Angeles, and C. Newman, Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Pulsation elimination in fluid streams. 2,474,612, June 28.
- Beck, Edward F. W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,473,849, June 21.
- Beck, Edward F. W., Pittsburgh, and J. S. Ferguson, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,473,850, June 21.
- Beck, Frederick R., Houston, Tex. Fixture accommodating and hanger stud. 2,461,025, Feb. 8.
- Beck, John, Portage la Prairie, Manitoba, Canada. Combined ignition and starting system for internal-combustion engines. 2,478,739, Aug. 9.
- Beck, John H., Cheyenne, Wyo. Oscillating placer separating machine. 2,484,203, Oct. 11.
- Beck, Julius S., Los Angeles, Calif. Jar. 2,474,459, June 28.
- Beck, Koller and Company (England) Limited, assignee: *See*—
Keenan, Henry W., and Jellinek.
- Beck, Lester E., Danville, Iowa. Posthole digger. 2,458,241, Jan. 4.
- Beck, Robert F., Paterson, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical switch device. 2,458,927, Jan. 11.
- Beck, Roland A., Fishkill, E. E. Sensel, and A. J. Millendorf, Beacon, assignors to The Texas Company, New York, N. Y. Hydrocarbon synthesis. 2,464,480, Mar. 15.
- Beck, Roland A., Fishkill, and E. E. Sensel, Beacon, assignors to The Texas Company, New York, N. Y. Carrying out catalytic reactions. 2,492,349, Dec. 27.
- Beck, Rudolf, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Thermometer case. 2,485,690, Oct. 25.
- Beck, Theodore H., Los Angeles, and L. P. Glick, Hollywood, assignors, by mesne assignments, to C. and E. M. Hartwell, copartners, doing business as Hartwell Aviation Supply Company, Los Angeles, Calif. Flush latch assembly. 2,476,268, July 19.
- Beck, Thomas M.: *See*—
Toy, Arthur D. F., and Beck.
- Beck, William N., Sioux Falls, S. Dak. Meter controlled valve. 2,483,255, Sept. 27.
- Beck, William R., assignor to Goodman Manufacturing Company, Chicago, Ill. Driven wheel suspension for mine cars. 2,488,520, Nov. 22.
- Beckel, Arthur C., Peoria, and P. A. Belter, Pekin, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Still and decanter for the recovery of products from alcoholic solutions of oleaginous materials. 2,460,117, Jan. 25.
- Beckel, Arthur C., Peoria, and P. A. Belter, Pekin, Ill., assignors to The United States of America as represented by the Secretary of Agriculture. Recovery of oil and by-products from alcoholic solutions of oleaginous materials. 2,469,147, May 3.
- Becker, Abraham S., Los Angeles, Calif. Brassière. 2,491,151, Dec. 13.
- Becker, Abraham S., and V. I. Becker, Los Angeles, Calif. Brassière. 2,471,670, May 31.
- Becker, Aloysius W., assignor to Dearborn Stove Company, Chicago, Ill. Hot-air gas heater. 2,476,579, July 19.
- Becker, Carl W., Arlington, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,476,130, July 12.
- Becker, Charles H., Ironwood, Mich. Heating vehicles and the like. 2,483,721, Oct. 4.
- Becker, Frank J., Arlington, Va. Telescoping collapsible chair. 2,473,090, June 14.
- Becker, Frank M., Sinking Springs, Pa. Adhesive tape cutter. 2,484,673, Oct. 11.
- Becker, Fred, Queens Village, assignor to Underwood Corporation, New York, N. Y. Carriage control for typewriters and the like. 2,480,213, Aug. 30.
- Becker, Harry C., Detroit, Mich. Traction grip plate. 2,486,911, Nov. 1.
- Becker, Harry W., Chicago, Ill. Signal receiving and transmitting apparatus. 2,491,244, Dec. 13.
- Becker, Henry E., Chicago, Ill., assignor, by mesne assignments, to G. E. Gagnier, Adjustable screen. 2,485,183, Oct. 18.
- Becker, John E., Toronto, Ontario, Canada. Torque limiting device for fluid clutches. 2,466,356, Apr. 5.
- Becker, John E., Darlington, Ontario, Canada. Fluid circulation control for reversible fluid couplings. 2,492,456, Dec. 27.
- Becker, Louis P., Altoona, Pa. Lawn edge trimmer. 2,479,460, Aug. 16.
- Becker, Manó E., New York, N. Y. Multiple knife. 2,464,206, Mar. 15.
- Becker, Maximilian C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Backstop for electromagnetic devices. 2,473,851, June 21.
- Becker, Otto A., Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Filter. 2,481,489, Sept. 13.
- Becker, Otto E., Los Angeles, Calif. Flexible steering wheel. 2,488,159, Nov. 15.
- Becker, Ralph W.: *See*—
Merrill, Marcellus S., and Becker.
- Becker, Rodger F., assignee: *See*—
Komassa, Jerome S.
- Becker, Rodger F., Kalamazoo, Mich. Flashlight. 2,467,954, Apr. 19.
- Becker, Rodger F., Kalamazoo, Mich. Degreasing vaporizer. 2,483,993, Oct. 4.
- Becker, Sam B.: *See*—
Johnson, Everett A., and Becker.
- Becker, Stephen P., Poughkeepsie, N. Y. Connector. 2,469,542, May 10.
- Becker, Victor I.: *See*—
Becker, Abraham S., and V. I.
- Becker, Walter E., San Antonio, Tex. Clothespin. 2,463,848, Mar. 8.
- Beckert, John H., Los Angeles, Calif. Air circulating fan. 2,471,671, May 31.
- Beckert, John H., Los Angeles, Calif. Air circulating fan. 2,491,025, Dec. 13.
- Beckert, John H., Los Angeles, Calif. Air circulating fan. 2,491,026, Dec. 13.
- Beckes, Lloyd M.: *See*—
Palmer, Sidney L., and Beckes.
- Beckley, Kenneth E., Baldwin Park, Calif. Poultry-watering device. 2,486,729, Nov. 1.
- Beckman, Arnold O., Altadena, assignor to National Technical Laboratories, South Pasadena, Calif. Variable resistance unit. 2,473,048, June 14.
- Beckman, Carl, Montclair, and I. Zambakian, Bloomfield, N. J. Electrodynamic telephone handset. 2,482,148, Sept. 20.
- Beckman, Charles H., St. Louis, Mo. Serum for treatment of canine encephalitis. 2,475,655, July 12.
- Beckman, John W., assignor to M. O. Palmer, Oakland, Calif. Treatment of oil-bearing vegetable materials for recovery of oil. 2,486,384, Nov. 1.

- Beckman, John W., assignor to M. O. Palmer, Oakland, Calif. Recovery of oils. 2,486,385, Nov. 1.
- Beckmann, Charles O.: *See*—
Chodroff, Saul, Kapp and Beckmann.
- Beckmann, Charles O., Leonia, N. J., assignor to Nopco Chemical Company. Racemization of optical isomers. 2,463,734, Mar. 8.
- Beckstrom, Carl V., assignor to Deere & Company, Moline, Ill. Plow bottom. 2,467,289, Apr. 12.
- Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Paper pad frame. 2,463,650, Apr. 26.
- Beckwell, Clarence B., Superior, Wis. Gaff hook. 2,482,814, Sept. 20.
- Beckwith, Edwin L., West Newton, Mass. Candlestick holder. 2,475,274, July 5.
- Beckwith Manufacturing Company, assignee: *See*—
Heaton, Walter H., and Straw.
- Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Mixing machine for concrete or the like. 2,477,568, Aug. 2.
- Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Booster clutch mechanism. 2,484,811, Oct. 18.
- Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Power energizing clutch mechanism. 2,484,812, Oct. 18.
- Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Automatic gear lubricating means. 2,487,782, Nov. 15.
- Beckwith, Robert W., Syracuse, N. Y., assignor to General Electric Company. Frequency response circuits. 2,461,956, Feb. 15.
- Beckwith, Warren, assignee: *See*—
Eicholtz, Frank E.
- Becote, Antoine, Saint Etienne, France. Continuous film cinematograph apparatus. 2,465,835, Mar. 29.
- Becote, Antoine, St. Etienne, France. Device for producing rectilinear movement of the optical assembly in cinematograph apparatus. 2,471,715, May 31.
- Becton, Dickinson & Co., assignee: *See*—
Lawsh, Errol R.
Lockhart, Marshall L.
- Becvar, Joseph, Wickliffe, assignor to Grand Industries, Inc., Cleveland, Ohio. Fuel control mechanism. 2,489,611, Nov. 29.
- Becwar, Rudolph A., Berwyn, Ill., assignor to Motorola, Inc. Intermediate frequency unit. 2,483,801, Oct. 4.
- Bedale, Paul W., Littleover, Derby, assignor to Rolls Royce Limited, Derby, England. Liquid-control and deaerating device. 2,485,525, Oct. 18.
- Beddow, Raymond R., Toledo, Ohio. Pickup device for aircraft. 2,481,280, Sept. 6.
- Bede, James A., Cleveland, Ohio. Spray painting apparatus. 2,481,813, Sept. 13.
- Bedell, Karl L.: *See*—
Johnson, James S., and Bedell.
- Bedell, Rodney, Webster Groves, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brakehead retainer and beam. 2,485,804, Oct. 25.
- Bedell, Stewart C., Big Pine, Calif., assignor of one-half to A. Rea, Mount Montgomery, Nev. Dumpcart. 2,482,608, Sept. 20.
- Beder, Samuel L., assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Toy. 2,475,306, July 5.
- Beder, Samuel L., assignor to Irwin F. Mills Associates, New York, N. Y. Window lock. 2,490,197, Dec. 6.
- Beder, Samuel L., assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Puzzle sticks. 2,492,396, Dec. 13.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Antibunt servomotor control system. 2,462,456, Feb. 22.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Split channel direct-current insertion network. 2,463,735, Mar. 8.
- Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Contour indicating device. 2,487,511, Nov. 8.
- Bedford, Arthur C., Whitnash, Leamington Spa, assignor of one-half to J. W. Ramsden, Leamington Spa, Warwick County, England. Machine for the grinding of cutting tools. 2,490,614, Dec. 6.
- Bedini, Nerino, assignor to Pirelli Società Per Azioni, Milan, Italy. Submarine mask for atmospheric and autonomous breathing. 2,488,261, Nov. 15.
- Bednash, Casper S.: *See*—
Chesus, Frank O., Thomas, and Bednash.
- Bedworth, Arthur H., Pomona, Calif., and L. G. Curtis, Winchester, Mass.: said Bedworth assignor to said Curtis. Bottle capping die. 2,469,191, May 3.
- Bee Chemical Company, assignee: *See*—
Bjorksten, Johan, and Crowley.
- Beebe, Austin H., Jr.: *See*—
Mason, James F., and Beebe.
- Beech Aircraft Corporation, assignee: *See*—
Burns, Edward C., Jr., and Myers.
Harmon, Ralph M.
Roby, Horace H.
Woods, Warren G.
Wright, Milo P.
- Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submersible reflecting body. 2,465,993, Apr. 5.
- Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Variable compound resistor. 2,473,409, June 14.
- Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Variable cavity resonator. 2,473,777, June 21.
- Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Salt-water battery. 2,474,716, June 28.
- Beech-Nut Packing Company, assignee: *See*—
Binsack, Joseph W.
Bousquet, John.
Scott, Clark W., and Wheeler.
Spraker, Leon G.
- Beck, Otto A.: *See*—
Smith, Albert E., and Beck.
- Beede, Arnold H., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Dirt entrapping device for observing the operation of vacuum cleaners. 2,467,652, Apr. 19.
- Beedle, Basil H.: *See*—
Glendening, Loran H., and Beedle.
- Beeh, Louis, Long Meadow, Mass., assignor to Bulova Watch Company, Inc., New York, N. Y. Expandible plunger. 2,461,873, Feb. 15.
- Beeh, Louis, Long Meadow, Mass., assignor to Bulova Watch Company, Inc., New York, N. Y. Fuel mixture control for internal-combustion engines. 2,486,816, Nov. 1.
- Beeke, Henry F., Delphi, Ind. Snap action drain control device. 2,486,246, Oct. 25.
- Beekley, Henry L., Glen Ellyn, Ill., assignor, by mesne assignments, to Electromatic Company. Sealing means for valves. 2,492,030, Dec. 20.
- Beekley, Nathan S., Jr.: *See*—
Lightbown, Irving E., and Beekley.
- Beekman Industries, Inc., assignee: *See*—
Wagner, George B.
- Bee-Line Company, assignee: *See*—
Smith, Roy D.
- Beem Foundation, The, assignee: *See*—
Beem, Marvel D.
- Beem, Marvel D., and Taylor.
- Beem, Marvel D., West Los Angeles, assignor of one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,483,612, Oct. 4.
- Beem, Marvel D., and A. J. Taylor, said Taylor assignor to said Beem, and said Beem assignor of one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,477,400, July 26.
- Beeman, Donald R., Wharton, N. J., assignor to the United States of America as represented by the Secretary of War. Fuse. 2,462,062, Feb. 22.
- Beemer, Henry J., Sidney, Ohio. Signaling device for vehicles. 2,473,631, June 21.
- Beemer, Paul K., Inglewood, assignor to Preco Incorporated, Los Angeles, Calif. Bunker and air circulating fan assembly for refrigerator cars. 2,459,912, Jan. 25.
- Beeneck, Joseph S., Nanticoke, Pa. Smoking pipe. 2,481,971, Sept. 13.
- Beer, John M., Buffalo, N. Y. Hair curler. 2,491,845, Dec. 20.
- Beer, Leo: *See*—
Weisberg, Mark, Stevenson, and Beer.
- Beer, Leo, Providence, assignor to Aloose Chemical Company, Cranston, R. I. Shrinkage control of cellulose fibers. 2,484,545, Oct. 11.
- Beer, Palle-Finn, Lidings, Sweden, assignor, by mesne assignments, to Electrical Fono-Films Co. A. S., Copenhagen, Denmark. Armature structure for electromagnetic apparatus. 2,471,365, May 24.
- Beerbower, Alan: *See*—
Zimmer, John C., and Beerbower.
- Beerbower, Alan, Baltimore, Md., and A. J. Morway, Clark, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,491,028, Dec. 13.
- Beers, Edward E., Brooklyn, N. Y. Dental means and method. 2,470,679, May 17.
- Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Cathode-ray type sound recording system. 2,478,681, Aug. 9.
- Beers, John R., Briar Cliff Manor, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. High vacuum getter. 2,469,626, May 10.
- Beeslev, Frederick W.: *See*—
Killman, Robert T., and Beeslev.
- Beesley, Joseph L., assignee: *See*—
Krenzke, John G.
- Beetle, Walter K., Jr., Hewlett, N. Y., assignor to Dayton Aircraft Products Sales, Inc., Dayton, Ohio. Control unit for airplanes. 2,461,194, Feb. 8.
- Beets, Abel J., Lansing, Mich. Tree trimming gauge. 2,478,081, Aug. 2.
- Begerow, Walter, Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated. Tracing device. 2,468,802, May 3.
- Begerow, Walter, Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated. Gang torch control. 2,480,281, Aug. 30.
- Begz, Thomas, Nutley, N. J., assignor to American Can Company, New York, N. Y. Producing can bodies having vented side seams. 2,460,273, Feb. 1.

- Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Electric discharge device. 2,459,487, Jan. 13.
- Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Making glass-to-metal seals. 2,486,101, Oct. 25.
- Begtrup, Edward F., Elizabeth, N. J. Apparatus for full fusion welding of rails. 2,469,062, May 3.
- Begun, Leo: *See*—
Stein, Matt, and Begun.
- Begun, Semi J., Cleveland Heights, assignor to Magnetone, Inc., Cleveland, Ohio. Magnetic recording and reproducing apparatus using an endless spirally wound magnetic tape. 2,490,771, Dec. 13.
- Behel and Waldie and Briggs, assignee: *See*—
Kanaske, Arthur.
- Behlert, Austin F., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool for assembling compressible grommets in openings. 2,468,286, Apr. 26.
- Behnke, August A., Chicago, Ill. Fluorescent light screen. 2,485,133, Oct. 18.
- Behnke, George W., R. G. Westcott, and J. Sandula, assignors to Simplicity Engineering Co., Durand, Mich. Apparatus for shaking out castings. 2,489,074, Nov. 22.
- Behnke, Herbert C., West Hartford, Conn. Rotary cookymaker. 2,483,173, Sept. 27.
- Behr, Gustave E.: *See*—
Hack, Carl H., Behr, and Vahrenkamp.
- Behr, Siegfried, Flushing, N. Y. Plastic fishhook holder. 2,488,160, Nov. 15.
- Behrend, Irvin E., assignee: *See*—
Brown, Guy J.
- Behrens, Albert, New York, N. Y. Pull toy. 2,475,072, July 6.
- Behrens, Otto K., assignor to Eli Lilly and Company, Indianapolis, Ind. Phenylacetyl amino acid esters. 2,463,939, Mar. 8.
- Behrens, Otto K., assignor to Eli Lilly and Company, Indianapolis, Ind. Phenacetyl amino acids. 2,463,941, Mar. 8.
- Behrens, Otto K., assignor to Eli Lilly and Company, Indianapolis, Ind. Production of penicillin salts. 2,463,943, Mar. 8.
- Behrens, Otto K., and R. G. Jones, Indianapolis, Ind., and J. W. Corse, Lafayette, Calif., assignors to Eli Lilly and Company, Indianapolis, Ind. N-(2-phenylacetoxyethyl)-phenylacetamide. 2,463,940, Mar. 8.
- Behrens, Otto K., R. G. Jones, and J. W. Corse, assignors to Eli Lilly and Company, Indianapolis, Ind. N-phenylacetylated amino alcohols and ethers. 2,463,942, Mar. 8.
- Behrens, Otto K., J. W. Corse, R. G. Jones, and Q. F. Soper, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing new penicillins. 2,479,295, Aug. 16.
- Behrens, Otto K., J. W. Corse, R. G. Jones, and Q. F. Soper, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing new penicillins. 2,479,296, Aug. 16.
- Behrens, Otto K., J. W. Corse, R. G. Jones, and Q. F. Soper, assignors to Eli Lilly and Company, Indianapolis, Ind. Process and culture media for producing new penicillins. 2,479,297, Aug. 16.
- Behrens, Paul H., Alhambra, Calif. Bracket attachment for motor vehicle windows. 2,474,513, June 28.
- Behrens, Walter A., Jamaica, N. Y., assignor to The Canister Company, Inc., Phillipsburg, N. J. Bottle carrier. 2,458,133, Jan. 4.
- Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Split stator. 2,474,646, June 28.
- Behrman, William F.: *See*—
Hawes, Russell J., Behrman, and Campbell.
- Behr-Manning Corporation, assignee: *See*—
Carlton, Richard P.
- Stenberg, Thornton R., King and Immermann.
- Beich, Paul F., Company, assignee: *See*—
Alikonis, Justin J.
- Beidle, Robert F., assignor of one-third to B. Kravitz, and one-third to O. C. Kravitz, Cleveland, Ohio. Hose forming machine. 2,491,152, Dec. 13.
- Beier, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Interengaging impeller fluid pump. 2,463,080, Mar. 1.
- Beier, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Fan assembly. 2,492,029, Dec. 20.
- Beildeck, Byron M.: *See*—
Backlund, Peter S., and Beildeck.
- Beller, Adam C.: *See*—
Schulman, Earl L., and Beller.
- Beinke, William A., Webster, Iowa. Fire extinguisher. 2,489,738, Nov. 29.
- Beirise, John C., Dayton, Ohio. Emergency control lock. 2,459,143, Jan. 18.
- Beirise, John C., Dayton, Ohio. Automatically releasing aircraft towing gear. 2,477,569, Aug. 2.
- Beiser, Arthur L.: *See*—
Miller, Isador, and Beiser.
- Beisser, Harry, Oakland, Calif. Key cutting machine. 2,469,027, May 3.
- Beith, William K., Joseph, Oreg. Try square scribe attachment. 2,466,357, Apr. 5.
- Beja, Maurice, and R. A. Loisy, Salindres, assignors to Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, Paris, France. Preparation of manganese dioxide. 2,473,563, June 21.
- Belada, John, Glassboro, N. J., assignor to Owens-Illinois Glass Company. Gasket cutting machine. 2,476,530, July 19.
- Belaief, James F., assignor to two-thirds to Cyril Herence Delaney and Gallay, Limited, London, England. Plate type heat exchanger. 2,469,028, May 3.
- Belanger, Victor E., Jamaica Plain, and J. Ullian, Mattapan, Mass. Airplane cargo carrier. 2,480,279, Aug. 30.
- Belanoff, Robert, Brooklyn, N. Y. Tripod stabilizer. 2,467,005, Apr. 12.
- Belcher, Clarence F., Bridgeton, N. J., and L. A. Mero, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Benzanthrnylamino-thiophanthraquinone compounds. 2,480,109, Aug. 30.
- Belcher, Clarence F., Bridgeton, N. J., and L. A. Mero, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Benzanthrone-thiophanthraquinone-acridines. 2,480,110, Aug. 30.
- Belcher, Clarence F., Bridgeton, N. J., and L. A. Mero, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Benzanthrnylamino-thiophanthraquinone compounds. 2,480,111, Aug. 30.
- Belcher, Clarence F., Bridgeton, N. J., and L. A. Mero, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aminobenzanthrone-thiophanthraquinone acridines. 2,480,112, Aug. 30.
- Belcher, Daniel, and S. C. Freeman, assignors to Bemis Bro. Bag Company, Minneapolis, Minn. Apparatus for preparing printing plates. 2,491,027, Dec. 13.
- Belcher, Harold H., Orange, Mass., assignor to Rodney Hunt Machine Co. Process and apparatus for tensionless handling of running lengths of materials. 2,474,717, June 28.
- Belchetz, Arnold, Larchmont, N. Y., assignor to Stauffer Chemical Company. Producing titanium tetrachloride. 2,486,912, Nov. 1.
- Belchetz, Arnold, Larchmont, N. Y., assignor to Stauffer Chemical Company. Production of carbon disulfide. 2,487,039, Nov. 8.
- Belchetz, Arnold, Larchmont, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,491,407, Dec. 13.
- Belden, Albert G., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Crankpin grinding apparatus. 2,460,731, Feb. 1.
- Belden, Clark D., Minneapolis, Minn. Adjustable ventilator. 2,458,134, Jan. 4.
- Belden Manufacturing Company, assignee: *See*—
Olson, Einar R.
- Beldue, William J.: *See*—
Tuttle, William R., and Beldue.
- Beleskas, Stanley M., Oaklyn, N. J., assignor to Radio Corporation of America. High-frequency coaxial cable switch. 2,472,274, June 7.
- Belfield, Elsie: *See*—
Belfield, Virgil D. and E.
- Belfield, Virgil D. and E., Elkhorn, Wis. Piano bench. 2,470,330, May 17.
- Belk, William N., assignor of one-half to A. F. Wintercorn, Rockford, Ill. Fishing rod or pole holder. 2,478,176, Aug. 9.
- Bell Aircraft Corporation, assignee: *See*—
Bowers, Herbert L.
- Seibel, Charles M.
- Wheeler, John W., and Todd.
- Woods, Robert J.
- Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Adjustable foot-rail. 2,458,463, Jan. 4.
- Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Footrail for vehicle seats. 2,464,370, Mar. 15.
- Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Horizontally adjustable foot rail. 2,481,970, Sept. 13.
- Bell, Alfred B., Philadelphia, Pa., and W. Staveley, assignors to Heywood-Wakefield Company, Gardner, Mass. Retractable leg rest. 2,484,803, Oct. 18.
- Bell, Charles C., Marblehead, and R. M. Elliott, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rate smoothing and matching mechanism for computing apparatus. 2,487,211, Nov. 8.
- Bell, Chauncey F., Jr.: *See*—
Taylor, Thomas L., Bell, Jr., and Wentz.
- Bell Chauncey F., Jr., Baltimore, and T. L. Taylor, Ruxton, assignors to The Glenn L. Martin Company, Middle River, Md. Ordnance barrier. 2,463,674, Mar. 8.
- Bell, Clarence D.: *See*—
Gresham, William F., and Bell.
- Bell, Clarence W., Lakewood, Ohio. Machine for straightening and sizing castings, forgings, stampings, or the like. 2,473,673, June 21.
- Bell, Daie E., Grinnell, Iowa. Collapsible net-carrying structure. 2,491,703, Dec. 20.
- Bell, David A., assignor to A. C. Cossor Limited, London, England. Radio receiving system. 2,489,948, Nov. 29.
- Bell, David H., Overland, Mo. Cigarette container. 2,460,730, Feb. 1.

- Bell, Edwin F., Topeka, Kans. Roller awning gudgeon. 2,491,074, Dec. 13.
- Bell, Emily S., executrix: *See*—
Bell, Ivan C.
- Bell, George Harold, & Associates, assignee: *See*—
Vars, Ethan W.
- Bell, Gordon L., Baltimore, Md. Horseshoe. 2,466,074, Apr. 5.
- Bell & Gossett Company, assignee: *See*—
Birkemeier, Henry P., and Tidd.
- Bell, Harry G., assignor to Gay and Bell, Paris, Ky. Tobacco hoghead. 2,470,459, May 17.
- Bell, Harry G., Paris, and J. D. Gay, Jr., Lexington, assignors to Gay-Bell Corporation, Paris, Ky. Machine for clinching a hoop connecting member and the like. 2,484,398, Oct. 11.
- Bell, Harvey W., Yonkers, N. Y. Internal-combustion engine. 2,477,230, July 26.
- Bell & Howell Company, assignee: *See*—
Brueske, George A.
Halahan, John, Lyon, Mortimer, and Aronson.
Howell, Albert S.
Phillimore, Charles E.
Stechbart, Bruno.
Tidd, Edwin B.
Townesley, Malcolm G.
- Bell, Ivan C., Dallas, Tex., E. S. Bell executrix of said I. C. Bell, deceased. Well swab. 2,480,830, Sept. 6.
- Bell, James W.: *See*—
Alexander, Peter, and Bell.
- Bell, John F., Chicago, Ill., assignor to Zenith Radio Corporation. Low-frequency drift oscillator. 2,470,425, May 17.
- Bell, John F., Glenview, Ill., assignor to Zenith Radio Corporation. High efficiency modulator. 2,487,212, Nov. 8.
- Bell, Joseph D., San Francisco, Calif. Exercising device. 2,470,544, May 17.
- Bell, Keith L., Washington, D. C., assignor to C. E. McGhee. Radio-frequency transmission through grounded conducting structures and the like. 2,470,000, May 10.
- Bell, Leon M., Portsmouth, Ohio; P. W. Bell, executrix of said L. M. Bell, deceased. Barrel sput. 2,471,716, May 31.
- Bell, Norman M., Northampton, and W. C. Childs, Staver-ton, Daventry, England. Chlorinator. 2,467,109, Apr. 12.
- Bell Products Corporation, assignee: *See*—
Sebell, Harry.
- Bell, Richard A., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Bomb fin structure. 2,459,357, Jan. 18.
- Bell, Richmond T., and C. M. Thacker, Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Synthesis of organic sulfur compounds. 2,479,996, Aug. 23.
- Bell, Rowland A., Miami, Fla. Tire for amphibious air-planes and vehicles. 2,479,714, Aug. 23.
- Bell, Samuel A.: *See*—
Carpenter, Victor W., and Bell.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
Abbott, Henry H., and Bascom, and Fairlamb.
Albersheim, Walter J.
Armitage, Le Roy.
Ashworth, Joseph A., and Chegwiddden.
Bacon, Walter M.
Bacon, Walter M., and Walker.
Barney, Harold L.
Bascom, Henry M., Massonneau, Ostendorf, Jr., Rea.
Baulch, Ernest L.
Baxter, Howard A., and Budenbom.
Bescherer, Edwin A.
Best, Fred H., and Pierce.
Biggs, Burnard S.
Blackman, Ralph B.
Blattner, David G.
Bode, Hendrik W.
Boeck, Gunther A., and Howard.
Boghossian, William H., and Och.
Bollman, John H.
Bollman, John H., Brooks, and Kreer.
Bond, Walter L.
Bonner, Arthur L.
Bowen, Arnold E.
Bowne, Langford J.
Branson, David E.
Brown, John T. L., and Pollard.
Bryant, Newton W.
Buchanan, Russell B.
Buhrendorf, Frederick G.
Burrows, Charles R.
Burton, Everett T.
Callaway, William B.
Campbell, Thaddeus C.
Carlson, Carl P.
Cesareo, Orfeo.
Christensen, Carl J., Rigterink, and Treptow.
Christensen, Carl J., and Walker.
Christensen, Howard, and Kleimack.
Cook, Jackson H., and Schell.
Cory, Samuel I.
Cousins, Van M.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—
Continued.
Cox, Leslie R., and Huber.
Curtis, Austen M.
Curtis, Austen M., and L. Stevenson.
Cutler, Cassius C.
Darlington, Sidney.
Darlington, Sidney, and Lovell.
Davis, Kingsbury H.
Davis, Richard C., and Gumley.
Gordon, Chester S., Lally, and Zieschang.
Heising, Raymond A.
Knapp, Harry M.
Krauth, Edwin A.
Mason, Warren P.
Ostendorf, Bernard, Jr.
Reinschmidt, Charles G.
Dehmel, Richard C.
Dehn, Joseph W.
Dehn, Joseph W., and Holden.
Dehn, Joseph W., and Whitney.
De Monte, Robert W., and Haines.
Dennis, Fred R.
Depew, Charles.
D'Heedene, Albert R.
Dickieson, Alton C.
Dimond, Thomas L.
Doba, Stephen, Jr.
Doherty, William H.
Dubuar, Arthur S.
Dudley, Homer W.
Earl, William.
Edson, James O.
Edson, Robert C., and Emiling.
Edson, William A.
Edson, William A., and Kannenberg.
Egerton, Lawson.
Ellis, William C., La Forge, Jr., and White.
Ellwood, Walter B.
Emling, John W.
Espenschied, Lloyd.
Felch, Edwin P., Jr., and Slonczewski.
Felch, Edwin P., Jr., Merrill, and Slonczewski.
Feldman, Carl B. H.
Feldman, Carl B. H., and McRae.
Ferrell, Enoch B.
Fisher, Harold J.
Fitch, Karl E.
Forster, Frank T.
Fox, Arthur G.
Gaines, Wilbur L.
Garvin, John S., and Herrington.
Gent, Edgar W.
Germanton, Charles E.
Gillespie, Rollin W.
Giroud, Henry A.
Goff, Harold W.
Goodman, Gilbert.
Green, Charles B., and Rulison.
Green, Estill I.
Hagstrum, Homer D.
Hampton, Leon N.
Harrison, Charles W.
Harrison, Henry C.
Hartley, Ralph V. L.
Hartman, Paul L.
Hearn, Richard B., and Krecsek.
Hearn, Richard B., and Sutliff.
Hecht, George.
Heising, Raymond A.
Helin, Pero E.
Hersey, Ralph E.
Hibbard, Frank H.
Holden, Alan N.
Holden, William H. T.
Houghton, Edward W.
Howard, Stanley R.
Hussey, Luther W.
Ingram, Sydney B.
Jeanne, Paul A.
Joel, Amos E., Jr.
Johnson, John B.
Jonas, Herbert C., Laico, and Ronci.
Kahl, William E.
Kannenberg, Walter F.
Keller, Arthur C.
Kellogg, William M.
Kelsay, Le Roy W.
Ketchledge, Raymond W.
Kille, Lindley A., and Robb.
King, Kenneth L., and Wintringham.
Klinzer, John P.
Kircher, Raymond J.
Klyce, Battle H., Jr.
Knapp, Harry M.
Koechling, Charles D.
Kolding, Aaron R.
Koller, Frederick W.
Korn, Franklin A.
La Brie, Laurents J.
Lacy, Lester Y.
Lakatos, Emory.
Little, John B., and Munson.
Locke, George A.

Bell Telephone Laboratories, Incorporated, assignee: *See—*
Continued.

Lovell, Clarence A.
Lucek, Charles W.
Lukacs, Joseph J.
Lukacs, Joseph J., and Rippere.
Lundstrom, Alexis A.
Luther, Walter R.
Mahoney, John J., Jr.
Mallery, Paul.
Mallina, Rudolph F.
Maloney, Martin E.
Maloney, Martin E., and Shipley.
Mason, Warren P.
Mathes, Robert C.
McKim, Burton, and Merrill.
McMahon, William.
Meacham, Larned A.
Meszaros, George W.
Miller, Ohmer R.
Miller, Victor F.
Miloche, Herman A.
Mitchell, Doren.
Mohr, Milton E.
Mohr, Otto.
Morrison, Howard.
Mott, Edward E.
Munson, Wilden A.
Newell, Norman A.
Ohl, Russell S.
Oliver, Bernard M.
Olsen, Karl M.
Pearsall, Frank M., Jr.
Pease, Reginald M.
Peck, Robert L., Jr.
Peterson, Liss C.
Pfleger, Kenneth W.
Phipps, George S.
Pierce, John R.
Pollard, Charles E., Jr.
Potter, James A.
Potter, Ralph K.
Prazner, Edward.
Rack, Alois J.
Rea, Wilton T.
Reinschmidt, Charles G.
Rieke, John W.
Rienstra, Albert R.
Rogle, James M.
Ronci, Victor L.
Rose, Charles F. P.
Rudin, Robert.
Samuel, Arthur L.
Scaff, Jack H., and Theuerer.
Schott, Lionel.
Scott, Walter F.
Sears, Raymond W.
Seibel, Charles F.
Shann, Oscar A.
Sivian, Leon J.
Skellett, Albert M.
Slonczewski, Thaddeus.
Smith, George O.
Smith, Harry B.
Southworth, George C.
Stibitz, George R.
Stoller, Hugh M.
Stratton, William D.
Theuerer, Henry C.
Thurber, Elmer A.
Townes, Charles H., and Wooldridge.
Trucksess, David E.
Veazie, Edmund A.
Wagar, Harold N.
Waltz, Maynard C.
Warren, Clifford A.
Watson, Edward F.
Wax, Nelson.
Wertz, Hugh S.
Whidden, William E.
Wooten, Leland A.
Willard, Gerald W.
Bell, Walter H., and J. P. Parkman, Port Arthur, Tex.
Sprayer and sprayer head for fluent coating materials. 2,478,557, Aug. 9.
Bell, Welch, executrix: *See—*
Bell, Leon M.
Hills, Elmer G.
Bell, William E.: *See—*
Royal, Robert R., and Bell.
Bell, William T., and A. Crompton, Lincoln, England.
Fluid pressure brake with emergency weight operator. 2,490,941, Dec. 13.
Bellamy, John I., Wheaton, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electromagnetic counting device. Re. 23,089, Mar. 15.
Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. 2,485,351, Oct. 18.
Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electromagnetic counting device. 2,487,015, Nov. 1.
Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone switch. 2,490,665, Dec. 6.

Bellamy, Robert A., Oklahoma City, Okla. Cloth clip. 2,459,213, Jan. 18.
Bellavance, Arthur: *See—*
Kenney, Thomas E., and Bellavance.
Beller, Hans, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilization of dialkyl haloacetals. 2,484,330, Oct. 11.
Beller, Hans, Cranford, R. E. Christ, and F. Wuertth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Carburetor process for acetylene reactions. 2,472,084, June 7.
Beller, Hans, Cranford, R. E. Christ, and F. Wuertth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Carburetor process for making N-vinyl compounds. 2,472,085, June 7.
Beller, Hans, Cranford, R. E. Christ, and F. Wuertth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Carburetor process for acetylene reactions. 2,472,086, June 7.
Beller, Joseph, Brooklyn, N. Y. Window sash supporting means. 2,490,249, Dec. 6.
Bellios, Constantinos, Brooklyn, N. Y. Mixer for gas burners. 2,460,057, Jan. 25.
Bellows Company, The, assignee: *See—*
Carlson, Bert G.
Bellucci, Anthony J.: *See—*
Seymour, George W., White, and Bellucci.
Belmont Radio Corporation, assignee: *See—*
D'Orio, Pat A.
Dunn, William L.
Huxtable, Clyde K., and Rankin.
Marholz, Richard C.
Plensler, Alexander W.
Belnap, Robert K., Jr.: *See—*
Hohl, John, Belnap, Jr., and Barnby.
Beloit Iron Works, assignee: *See—*
Goodwillie, John E., and Beachler.
Hornbostel, Lloyd.
Hornbostel, Lloyd, and Beachler.
James, Burton E., and Beachler.
Mortensen, Robert W.
Bel-Ray Company, Inc., assignee: *See—*
Hornbostel, Lloyd.
Moxley, Auben E.
Belrug Mill, Inc., assignee: *See—*
Matwin, John J., and Taylor.
Bels, Basil A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Adjustable cam structure. 2,484,331, Oct. 11.
Belsinger, Inc., assignee: *See—*
Belsinger, Jack R.
Belsinger, Jack R., Atlanta, Ga., assignor to Belsinger, Inc. Sealable carton with multiply bottom. 2,483,174, Sept. 27.
Belsinger, Jack R., assignor to Belsinger, Inc., Atlanta, Ga. Multicompartment container. 2,487,293, Nov. 8.
Belsky, Charles, Detroit, Mich., assignor to Avco Manufacturing Corporation. Cooking range. 2,467,290, Apr. 12.
Belsky, Charles, assignor by mesne assignments, to Robot Appliances, Inc., Detroit, Mich. Magnetic switch. 2,491,075, Dec. 13.
Belt, Vernon C., Summit, N. J. Fuel injection means for combustion engines. 2,464,288, Mar. 15.
Belter, George J., St. Louis, Mo. Air moving device. 2,487,294, Nov. 8.
Belter, Paul A.: *See—*
Beckel, Arthur C., and Belter.
Belton Hearing Aid Co., assignee: *See—*
Posen, Sam.
Bem, Joseph P., San Jose, Calif. Sawdust blower for hand saws. 2,463,014, Mar. 1.
Beman, Warren A.: *See—*
Armstrong, Eldon L., and Beman.
Bemis Bro. Bag Company, assignee: *See—*
Brockman, Edward J., and Scruggs.
Ewer, Arthur C., and Hanse.
Kindseth, Harold V.
Scruggs, Thomas M.
Weeks, Norman E.
Bemis Bros. Bag Company, assignee: *See—*
Belcher, Daniel, and Freeman.
Bemis, Ken E., Oakland, Calif. Automatic frying and basting of eggs. 2,481,711, Sept. 13.
Bemis, Robert E., and J. C. McMillan, Houston, Tex. Screen. 2,470,129, May 17.
Benander, Clifford N., Meriden, Conn., and G. B. Benander, Oaklawn, R. I., assignors to Monowatt Incorporated. Continuous rotor molding machine. 2,471,139, May 24.
Benander, George B.: *See—*
Benander, Clifford N. and G. B.
Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Triple plug receptacle. 2,477,952, Aug. 2.
Benander, George B., Oaklawn, R. I., assignor to Monowatt Incorporated. Electric lamp socket. 2,483,120, Sept. 27.
Benavides, Alfonso, Far Rockaway, N. Y. Printing apparatus. 2,480,436, Aug. 30.
Benazzoli, Mario, Milan, Italy. Propulsion of cycles. 2,491,076, Dec. 13.
Benbow, Burtis W., Benbow, Calif. Electrical trolley equipment. 2,467,183, Apr. 12.

- Benbow, Burtis W., Benbow, Calif. Electrical contacting equipment. 2,479,461, Aug. 16.
- Benbow, Burtis W., Benbow, Calif. Drill press. 2,483,613, Oct. 4.
- Benbow, James D.: *See*—
Wilson, Fred W., Antos, and Benbow.
- Bench, David E., Dayton, Ohio, assignor to Hansen Manufacturing Company, Inc., Princeton, Ind. Alternating current motor and operation. 2,492,613, Dec. 27.
- Bench, Helen V., assignee: *See*—
Smelker, Le Roy.
- Benco, George F., Philadelphia, Pa. Comb. 2,474,212, June 28.
- Bender, Charles F., assignor to Wingfoot Corporation, Akron, Ohio. Packing. 2,476,021, July 12.
- Bender, Charles R., Teaneck, N. J., assignor to General Foods Corporation, New York, N. Y. Recovering caffeine. 2,472,881, June 14.
- Bender, Harry, Bloomfield, and W. B. Voorhis, Scotch Plains, assignors to Tung-Sol Lamp Works, Inc., Newark, N. J. Filament structure for thermionic tubes. 2,482,826, Sept. 27.
- Bender, Howard L., A. G. Farnham, and J. W. Guyer, Bloomfield, N. J., assignors to Bakelite Corporation. Crystalline dihydroxy phenols. 2,464,207, Mar. 15.
- Bender, Howard L., and A. G. Farnham, Bloomfield, N. J., assignors to Bakelite Corporation. Caustic resistant etherified phenolformaldehyde resins. 2,470,130, May 17.
- Bender, Howard L., and A. G. Farnham, Bloomfield, N. J., assignors to Bakelite Corporation. Phenolic resins. 2,475,587, July 12.
- Bender, Hugo, Houston, Tex. Lawn edger. 2,486,458, Nov. 1.
- Bender, Lloyd F.: *See*—
Stanke, Frank W., and Bender.
- Bender, Paul, assignor to Penn Electric Switch Co., Goshen, Ind. Compensated bellows assembly. 2,487,213, Nov. 8.
- Bender, Samuel, Brooklyn, N. Y. Sandal with elastic upper elements. 2,481,281, Sept. 6.
- Bender, Samuel, Shreveport, La. Swing suspension. 2,474,718, June 28.
- Bendix Aviation Corporation, assignee: *See*—
Adams, Ralph G., and Johnston.
Allen, Joseph W.
Barford, Frederick.
Beck, Robert F.
Bevins, James E.
Bishop, Harold S.
Bradford, William O., and Zapor.
Britton, Karl B.
Burley, Robert M., and Havill.
Buxton, James E., Christian, and Demure.
Childs, Robert S.
Clarke, Douglas C.
Clay, Robert B.
Collins, John E.
Collins, John E., and Mastropole.
Colt, Rutger B.
Conviser, Harry.
Daniel, Robert L.
D'Arcey, Alfred.
Dasher, Don E.
Davis, Earle R.
De Kiss, Nicholas.
Dember, Alexis B.
Dickey, John W., and Henry.
Dickey, John W., Henry, and Rikken.
Dickey, John W., and Trout.
Divoll, Richard L.
Du Bois, William H.
Eltgroth, George V.
Emerson, John F.
Fell, William F., and Smith.
Flanagan, Robert M.
Fontaine, Athanas P.
Fox, Kenneth H.
Frank, Frederick C.
Frank, Frederick C., and Du Bois.
Frei, Jakob R.
Frei, Jakob R., and Purdy.
Frerer, Paul G.
Gebhardt, Robert E.
Gilbert, Samuel.
Glass, John P., Jr.
Goepfrich, George A.
Goepfrich, Rudolph A.
Goepfrich, Rudolph A., and House.
Goettisheim, Lawrence J.
Goldberg, Harold.
Gordon, James F.
Grant, Carl E.
Haas, Harold G.
Haase, Elmer A., and Bolt.
Heise, Herman E.
Hermann, Heinrich.
Herwig, Robert S.
Hood, E. Elliott.
Hoof, Robert G.
Hosford, Norman F.
House, Bryan E.
House, Bryan E., and Goepfrich.
Hurley, Roy T.
- Bendix Aviation Corporation, assignee: *See*—Continued.
Jandasek, Joseph.
Jandasek, Vladimir J.
Jenny, Cletus J., and Pryor, III.
Johnson, Philip A.
Keller, Edwin G.
Ketay, Morris F.
Knudson, Giltner J.
Konet, Henry.
Lawrence, Donald M.
Lee, Richard A.
Lefler, James L., and Leininger.
Litton, Felix B.
MacCallum, Alan M.
MacDuff, Stanley I.
MacDuff, Stanley I., and Schultz.
MacNeil, Charles I.
Marinelli, Joseph.
Marmont, George H.
Martin, David W.
Marye, Robert B.
Mastropole, Alfred J.
McHenry, Harland L.
McNulty, John V.
Merritt, George E.
Merritt, George E., and Jones.
Miller, Donald L.
Miller, Raymond J.
Mock, Frank C.
Mock, Frank C., and Bolt.
Murphy, Norman B.
Naylor, William E.
Neild, William G.
Norton, Frank R.
Noxon, Paul A.
Ochtman, Leonard.
Parker, Leland C.
Parker, Leland C., McHenry, and Dickey.
Perry, Daniel D.
Polye, William R., and Brandau.
Polye, William R., and Peek.
Porath, Joseph A.
Pond, William B.
Price, Earl R.
Price, Harold W.
Purdy, Roland M.
Reek, Royal J.
Reichel, Wladimir A.
Rikken, Theodore K.
Robinson, Herbert M.
Rylsky, Gregory V.
Sawyer, Marc C.
Schneck, Frederick W.
Schultz, Harold B.
Shanklin, John P.
Shaw, Richard, Jr.
Smith, Evan S.
Stamper, Hamilton A.
Sturm, Ralph E., and Cosby.
Taber, William T.
Teague, Walter D., Jr.
Thieme, George B.
Thomas, Michael J., and Fricke.
Thomas, Thomas H., and Price.
Tognola, Tullio.
Tognola, Tullio and Thorn.
Trautman, Walter C.
Ulrich, Bernhard, Jr.
Ulrich, Bernhard, Jr., and Pontius, III.
Waldron, Claude F.
Waterman, Herbert C.
Weatherly, Morgan G.
Wheeler, Harold A.
White, William E.
Wilson, Albert E., and Hukill.
Winchel, Henry T.
Winkler, Albert H.
Winkler, Albert H., and Wirth.
Wirth, Emil O., and Barford.
Wisman, Franklin O., and Andreasen.
Wood, Louvan E.
Yates, Lester R.
Zwack, Raymond T.
- Bendix Home Appliances, Inc., assignee: *See*—
Chamberlin, John W.
Constantine, Arthur R.
Erler, Walter C.
Oliver, Wallace F.
- Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Eaton, Wilfred A.
Fitch, Ellery R.
Sanford, Roy S.
- Bendow, Emil, assignee: *See*—
Detwiler, Warren H.
- Benedek, Elek K., Chicago, Ill. Hydraulic pump or motor. 2,473,271, June 14.
- Benedik, Fedor, New York, N. Y. Thimble-needle threader. 2,460,672, Feb. 1.
- Benedict, Fremont W., Upper Darby, Pa. Screening. 2,462,595, Feb. 22.
- Benedick, Joseph M., Wilmar, Calif. Positioning means. 2,460,671, Feb. 1.

- Benedict, Romie H., Baytown, Tex. Vise grip insulator. 2,475,172, July 5.
- Benedict, Wendell H., Lake Placid, N. Y. Device for handling patients. 2,480,314, Aug. 30.
- Benedictis, Aldo D.: *See—*
Luter, Daniel B., Jr., and Benedictis.
- Benes, Edwin J., Newburgh Heights, Ohio. Fishing rod holder. 2,473,778, June 21.
- Benes, Gordon J., assignor to Enco Mfg. Co., Chicago, Ill. Turret-type tool post. 2,471,403, May 31.
- Benes, Gordon J., Chicago, Ill. Tool support. 2,481,712, Sept. 13.
- Benetos, Emmanuel, assignee: *See—*
Alexiadis, George A.
- Beney, James K.: *See—*
Chatterjea, Prafulla K., Ambrose, and Beney.
- Bengelsdorf, George, Brooklyn, assignor to The Brookport Company, New York, N. Y. Article holder. 2,488,262, Nov. 15.
- Bengtson, Martin E., Springfield, Mass. Removable resilient closure applicator and cover for locking therewith. 2,474,969, July 5.
- Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungus-proofing composition. 2,476,235, July 12.
- Benin, Zolmon, Glen Ellyn, Ill., assignor to Zenith Radio Corporation. Spread band tuning circuit. 2,470,426, May 17.
- Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling apparatus. 2,460,274, Feb. 1.
- Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Ultra high frequency vibrator. 2,468,537, Apr. 26.
- Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Ultra high frequency vibrator. 2,468,538, Apr. 26.
- Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Device for transmitting and receiving compressional waves. 2,473,354, June 14.
- Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Pickup loop with thermocouple. 2,473,779, June 21.
- Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Spark transmitter. 2,473,780, June 21.
- Benjamin Electric Mfg. Company, assignee: *See—*
Phillips, Paul D.
- Benjamin, Joel M., Philadelphia, Pa. Weighing scale. 2,476,399, July 19.
- Benjamin, Milton L., Shaker Heights, Ohio. Tap chuck. 2,465,836, Mar. 29.
- Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio, said Winnen assignor to said Benjamin. Chuck. 2,462,155, Feb. 22.
- Benjamin, Milton L., Cleveland, and S. S. Benjamin, University Heights, Ohio; said S. S. Benjamin assignor to said M. L. Benjamin. Collet chuck. 2,465,837, Mar. 29.
- Benjamin, Samuel P., Jr., West Haven, Conn. Faucet attachment. 2,476,079, July 12.
- Benjamin, Stanley S.: *See—*
Benjamin, Milton L. and S. S.
- Benjamin, Walter E., assignor to The Pierce Governor Company, Inc., Anderson, Ind. Slapless magnetically reciprocable structure. 2,490,505, Dec. 6.
- Benker, Charles, North Attleboro, Mass. Rotating game pointer. 2,463,139, Mar. 1.
- Benkert, Louis M.: *See—*
Leathers, Chester F., and Benkert.
- Benlon, Dewey, Kansas City, Mo. Coaster toy. 2,479,715, Aug. 23.
- Bennekou, Ingolf, Frederiksberg, assignor to Lovens kemiske Fabrik v/Aug. Kongstead, Copenhagen, Denmark. Production of esters of dioles and trioles of cyclopentane-polyhydro-phenanthrene series. 2,467,460, Apr. 19.
- Benner, Carroll J., Long Beach, Calif. Hairpin dispenser. 2,465,509, Mar. 29.
- Benner, Mark T., and J. B. Fortier, Pittsburgh, Pa. Time period indicator. 2,481,067, Sept. 6.
- Benner, Robert: *See—*
Warnock, Orin B., and Benner.
- Benner, William J., Philadelphia, Pa. Convertible truck. 2,490,772, Dec. 13.
- Bennett, Arthur E. C.: *See—*
Straub, Eugene L., and Bennett.
- Bennett, Arthur W., assignor to Erie Coach Company, Erie, Pa. Brake lubricator. 2,487,415, Nov. 8.
- Bennett, Azzel C., Hudson, N. Y., and W. G. Engler, Chicago, Ill., assignors to Gifford-Wood Company, Hudson, N. Y. Ice breaker. 2,472,188, June 7.
- Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. High-tension electric power cable system and installing the same. 2,476,953, July 26.
- Bennett, Clarence H., assignor to Selas Corporation of America, Philadelphia, Pa. Airplane heater having two-speed control. 2,473,699, June 21.
- Bennett, Clarence H., Philadelphia, and R. E. B. Wakefield, Aldan, Pa., assignors to Selas Corporation of America. Electrical ignitor. 2,484,544, Oct. 11.
- Bennett, David A.: *See—*
Bennett, Roy E., P. G., and D. A.
- Bennett, Donald F.: *See—*
Weber, Henry J., and Bennett.
- Bennett, Donald R. and P., Monterey Park, and R. C. Young, Downey, assignor of one-half to F. A. Shimer, Los Angeles, Calif. Injector operating mechanism for internal-combustion engines. 2,484,926, Oct. 18.
- Bennett, Dwight G., and C. M. Andrews, Champaign, Ill. Ceramic coating for metals. 2,475,469, July 5.
- Bennett, Dwight G., and C. M. Andrews, Champaign, Ill. Ceramic coating material. 2,475,470, July 5.
- Bennett, E. R., assignee: *See—*
Smith, William O.
- Bennett, Edward, Madison, Wis., assignor to Tube Turns, Inc. Method and apparatus for making pipe bends and the like. 2,480,315, Aug. 30.
- Bennett, Edwin O., Houston, Tex., assignor to Continental Oil Company, Ponca City, Okla. Gas lifting device for flowing multiple zone wells. 2,465,344, Mar. 29.
- Bennett, Ernest R., Dumas, Tex. Fish keeper. 2,482,315, Sept. 20.
- Bennett, Foster C., assignor to The Dow Chemical Company, Midland, Mich. Die casting apparatus. 2,485,526, Oct. 18.
- Bennett, Frank M., and C. J. Weaver, Canton, assignors to Keeprite Corporation, Youngstown, Ohio. Apparatus for spacing and fixing fins on tubes. 2,481,490, Sept. 13.
- Bennett, Frank P., Wilmette, and G. E. Musebeck, Evanston, assignors, by mesne assignments, to Picture Recording Company, Chicago, Ill. Automatic slide projector. 2,476,797, July 19.
- Bennett, George, Chicago, Ill., and A. L. Hauck, Louisville, Ky. Combination automotive vehicle truck lock and seal device. 2,479,199, Aug. 16.
- Bennett, George C., West Huntsville, Ala. Stitch picking machine. 2,476,691, July 19.
- Bennett, George E.: *See—*
Green, Harvey C., and Bennett.
- Bennett, Grady H., Waycross, Ga., assignor of thirty-five per cent to M. L. Ruppert, Franklin, Ohio. Three-way baby chair. 2,481,382, Sept. 6.
- Bennett, Harry J., Pittsburgh, Pa. Clothes hanger. 2,491,077, Dec. 13.
- Bennett Incorporated, assignee: *See—*
Eaton, Charles F.
- Bennett, Irving, J. Venger, and G. C. Waddell, Beaver Falls, Pa. Plural target eye-testing device. 2,468,953, May 3.
- Bennett, John G., D. B. Foster, C. D. Greaves, and G. C. Phillpotts, London, and M. Pirani and W. J. Kramers, Kingston-on-Thames, assignors to C. D. Patents Limited, London, England. Production of shaped and carbonized articles from coal. 2,461,365, Feb. 8.
- Bennett, Joseph S., Merion, and A. W. Thorson, Penn Valley, assignors to American Engineering Company, Philadelphia, Pa. Stoker. 2,491,547, Dec. 20.
- Bennett, Loren E., Winnetka, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire twisting device. 2,472,510, June 7.
- Bennett, Maxwell K., New Westminster, British Columbia, Canada. Priming device. 2,470,232, May 17.
- Bennett, Ona A., Louisville, Ky. Paint applicator. 2,488,655, Nov. 22.
- Bennett, Owen G., Baltimore, Md., assignor to Catalyst Research Corporation, Pittsburgh, Pa. Stabilized nickel powder. 2,487,632, Nov. 8.
- Bennett, Owen G., and J. Dubin, Baltimore, Md., assignors to Catalyst Research Corporation, Pittsburgh, Pa. Delay fuse compositions. 2,457,860, Jan. 4.
- Bennett, Pat: *See—*
Bennett, Donald R. and P., and Young.
- Bennett, Paul G.: *See—*
Bennett, Roy E., P. G., and D. A.
- Bennett, Robert B., Detroit, and R. E. Spokes, Ann Arbor, Mich., assignors to American Brake Shoe Company, Wilmington, Del. Friction element. 2,464,632, Mar. 15.
- Bennett, Robert M., Birmingham Township, Chester County, Pa., assignor to General Electric Company. Circuit interrupter. 2,460,118, Jan. 25.
- Bennett, Robert M., Birmingham Township, Chester County, Pa., assignor to General Electric Company, New York, N. Y. Variable current thermal responsive device. 2,476,022, July 12.
- Bennett, Roy E., P. G., and D. A., Lenox, Iowa. Starter mechanism. 2,475,173, July 5.
- Bennett, Stevens A., Chicago, Ill. Sheet metal screw closure. 2,483,964, Oct. 4.
- Bennett, Vivian R., Pasadena, Calif. Oxygen valve. 2,483,722, Oct. 4.
- Bennett, Walter, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Trailer coupling. 2,471,555, May 31.
- Bennett, Willard H., and R. B. Taylor, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation. Production of coated glass and the like products. 2,491,889, Dec. 20.
- Bennett, William P., San Bernardino, Calif. Door holder and buffer. 2,472,397, June 7.
- Benning, Anthony F.: *See—*
Downing, Frederick B., Benning, and McHarness.

- Benning, Anthony F., Woodstown, N. J., assignor to Kinetic Chemicals, Inc., Wilmington, Del. Distillation process for separating products of perchloro-ethylene fluorination. 2,478,362, Aug. 9.
- Benning, Anthony F., Woodstown, N. J., J. D. Park, Boulder, Colo., and S. E. Krahler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carbon tetrafluoride. 2,458,551, Jan. 11.
- Benning, Anthony F., and R. C. McHarness, Woodstown, N. J., and W. S. Murray, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Purification of crude monofluorodichloromethane. 2,470,088, May 17.
- Benning, Anthony F., Woodstown, and F. B. Downing, Carney's Point, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Process and apparatus for transmitting energy. 2,471,476, May 31.
- Benning, Anthony F., Woodstown, N. J., and J. Dal Park, assignor to Kinetic Chemicals, Inc., Wilmington, Del. Fluorinated organic compounds. 2,490,764, Dec. 13.
- Benning, Walter F.: *See*—
Roos, Delmar G., and Benning.
- Bennington, Jesse R.: *See*—
Coleman, Melvin B., and Bennington.
- Benoit, Frederic, Vassy, France. Electrical apparatus for use in obstetrics. 2,470,970, May 24.
- Benoit, George J., Jr., San Anselmo, Calif., assignor to Hercules Powder Company, Wilmington, Del. Aldehydes and their preparation. 2,492,614, Dec. 27.
- Benoit, Henry F., Charlton, Mass. Cylinder coupling. 2,477,856, Aug. 2.
- Benos, Nicholas K., Salt Lake City, Utah. Roaster furnace. 2,488,115, Nov. 15.
- Benson, Arthur L., West New Brighton, N. Y. Hand-carrying of lighting and camera means. 2,479,716, Aug. 23.
- Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Electron optical instrument and camera therefor. 2,483,872, Oct. 4.
- Bensley, Robert D., Chicago, Ill. Color photography. 2,473,131, June 14.
- Benson, Alfred R., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Synchronized time-controlled driving mechanism. 2,487,295, Nov. 8.
- Benson & Associates, Inc., assignee: *See*—
Benson, Roy G.
- Benson, Ben, Winnipeg, Manitoba, Canada. Fork for motorcycles. 2,475,774, July 12.
- Benson, Carl H., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Cartridge ejector for firearms. 2,484,444, Oct. 11.
- Benson, Clarence E., Harris, Iowa. Unloading mechanism for wagon bodies. 2,478,228, Aug. 9.
- Benson, Ernest H., Kansas City, Mo. Barrel. 2,460,410, Feb. 1.
- Benson, Frederick J., Columbus, Ohio. Toy kite. 2,483,614, Oct. 4.
- Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescopic structure. 2,461,625, Feb. 15.
- Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescoping structure. 2,483,395, Oct. 4.
- Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescopic structure. 2,483,396, Oct. 4.
- Benson, Harry D., Fresno, assignor to General Nailing Machine Corporation, Sanger, Calif. Frame for nailing machines. 2,475,124, July 5.
- Benson, Harry D., Fresno, assignor to General Nailing Machine Corporation, Sanger, Calif. Boxmaking machine. 2,488,757, Nov. 22.
- Benson, Ira, assignee: *See*—
Kite, Clarence L.
- Benson, John E.: *See*—
Vale, Keith R., and Benson.
- Benson, Lloyd M., Omaha, Nebr. Dirigible light. 2,483,615, Oct. 4.
- Benson, Merle K., Benton Harbor, Mich., assignor to T-M-K Corporation, Davenport, Iowa. Spraying apparatus. 2,463,736, Mar. 8.
- Benson, Merle K., Benton Harbor, Mich., assignor to T-M-K Corporation, Davenport, Iowa. Clothes pole, strut, or the like. 2,468,160, Apr. 26.
- Benson, Ralph L., Birmingham, and H. D. Silvers, Detroit, Mich., assignors to Avco Manufacturing Corporation. Automatic control means for refrigerating systems. 2,488,161, Nov. 15.
- Benson, Roy G., Berwyn, assignor to Benson & Associates, Inc., Cook County, Ill. Bottle carrier. 2,464,069, Mar. 8.
- Benson, Roy G., Berwyn, assignor to Benson & Associates, Inc., Cook County, Ill. Fountain eye bath. 2,482,960, Sept. 27.
- Benson, W. Ronald: *See*—
Sherman, Laurence R., and Benson.
- Bent, Arthur J.: *See*—
Rush, John W., and Bent.
- Bent, Arthur J., Penn Township, Allegheny County, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure controlled positioning device. 2,485,805, Oct. 25.
- Bent, Arthur J., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Packing. 2,462,596, Feb. 22.
- Bent, Arthur J., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,464,962, Mar. 22.
- Bent, Franklin A.: *See*—
Shokal, Edward C., and Bent.
- Bente, Christian C., Haddelberg, Pa. Lawn-mower sharpener. 2,478,080, Aug. 2.
- Benthall, Arthur P., assignor to Bird & Company, Calcutta, Bengal, British India. Manufacture of blankets, blanket material, felt substitutes, and carpet material. 2,472,511, June 7.
- Benthall, Arthur P., assignor to Bird & Company, Calcutta, Bengal, British India. Blankets, blanket material, felt substitutes, and carpet material. 2,472,512, June 7.
- Bentley Engineering Company Limited, The, assignee: *See*—
Deans, Frederick E., and Wainwright.
Peberdy, Roland.
- Bentley, Harry T., II: *See*—
Rahmel, Henry A., and Bentley, II.
- Bentley, Howard C., Detroit, and R. Bentley, Monroe, Mich. Filling tube. 2,466,076, Apr. 5.
- Bentley, Howard and R., Detroit, Mich. Filling tube. 2,466,075, Apr. 5.
- Bentley, John W., Chicago, Ill. Tobacco pipe cleaning device. 2,483,083, Sept. 27.
- Bentley, Oliver D. H., Dover, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubrication system. 2,472,802, June 14.
- Bentley, Robert: *See*—
Bentley, Howard and R.
- Bentley, Robert H., assignor to The Arrow-Hart & Hege-man Electric Company, Hartford, Conn. Electric wire terminal. 2,461,135, Feb. 8.
- Bentley, Robert H., assignor to The Arrow-Hart & Hege-man Electric Company, Hartford, Conn. Multiposition switch. 2,479,462, Aug. 16.
- Bentley, Rowland, Fort Washington, assignor to The Budd Company, Philadelphia, Pa. Stretch bending method and device, including workpiece attaching means transversely offset relative to neutral plane of workpieces. 2,464,169, Mar. 8.
- Bently, Emmett C., and W. L. Reese, Abilene, Tex. Cigarette humidifier. 2,458,135, Jan. 4.
- Benton, Harold Z., Woodstock, Ill. Radio antenna mounting and connector. 2,471,020, May 24.
- Benton, Ivan Le R., White Rock, British Columbia, Canada. Collapsible umbrella. 2,492,457, Dec. 27.
- Benton, John M., West Palm Beach, Fla. Photographic enlarger exposure indicator. 2,460,443, Feb. 1.
- Ben Venue Laboratories, Inc., assignee: *See*—
Goorley, John T.
- Benze, George R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Storing and vaporizing liquefied gases. 2,489,514, Nov. 29.
- Benziger Brothers, Inc., assignee: *See*—
Zimmerli, Jacob G.
- Benzuly, Morris M., Chicago, Ill. Fence painting apparatus. 2,489,445, Nov. 29.
- Beranek, Wenceslaus G., and T. T. Buresh, Touhy, Nebr. Lawn mower. 2,478,558, Aug. 9.
- Berardinelli, Frank: *See*—
Faist, Walter D., and Berardinelli.
- Berberich, Leo J.: *See*—
Pendleton, Wesley W., Berberich, and Smith.
- Berch, Samuel H., Beverly Hills, assignor to Arden Farms Co., Los Angeles, Calif. Carton opener. 2,459,678, Jan. 18.
- Berch, Samuel H., Beverly Hills, Calif. Folded carton opener. 2,465,189, Mar. 22.
- Berch, Samuel H., assignor to The Flexible Vacuum Container Corporation, Los Angeles, Calif. Vacuum sealing machine. 2,482,609, Sept. 20.
- Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Variable ratio planetary transmission. 2,465,190, Mar. 22.
- Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Adjustment mechanism for fluid meters. 2,482,645, Sept. 20.
- Berck, William F., assignor to Ralph N. Brodie Company, Oakland, Calif. Selective valve manifold for gasoline tank trucks and the like. 2,463,737, Mar. 8.
- Berczeller, Arpad, New York, N. Y. Bile acid amides of diaminodiphenylsulfone. 2,485,253, Oct. 18.
- Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Control arrangement for absorption refrigeration systems. 2,461,513, Feb. 15.
- Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Control arrangement for absorption refrigeration systems. 2,470,756, May 24.
- Beretta, John W., San Antonio, Tex. Safety booth. 2,460,917, Feb. 8.
- Berg, Carl, Northampton, and M. Berg, assignors to Nickel Cadmium Battery Corporation, Easthampton, Mass. Filling and vent valve. 2,480,437, Aug. 30.
- Berg, Carl A., assignor to The Fafnir Bearing Company, New Britain, Conn. Textile spinning and twisting spindle. 2,486,730, Nov. 1.

- Berg, Carl A., assignor to The Fafnir Bearing Company, New Britain, Conn. Textile spindle. 2,492,091, Dec. 20.
- Berg, Christy L., St. Louis, Mo. Lowering and handling apparatus for burial vaults. 2,461,675, Feb. 15.
- Berg, Donald F.: *See*—
Smith, Edward M., and Berg.
- Berg, Emanuel, assignee: *See*—
Fox, Cecil M.
- Berg, Ezra, Evanston, Wyo. Brooder. 2,492,258, Dec. 27.
- Berg, Joseph, Duluth, Minn. Collapsible receptacle. 2,476,531, July 19.
- Berg, Lawrence C., San Leandro, Calif. Knockdown toboggan. 2,464,016, Mar. 8.
- Berg, Leo F., Oak Park, Ill., assignor to Hotpoint Inc. Oven structure. 2,486,701, Nov. 1.
- Berg, Lloyd, O'Hara Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Reflux distillation apparatus. 2,476,477, July 19.
- Berg, Lloyd, O'Hara Township, Allegheny County, and J. M. Harrison, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Azeotropic distillation of styrene-containing hydrocarbon fractions. 2,477,715, Aug. 2.
- Berg, Marcus: *See*—
Berg, Carl, and M.
- Berg, Martin, New York, N. Y. Changing picture comprising one stationary and one sliding picture. 2,485,806, Oct. 25.
- Berg, Marvin A., Oakland, Calif. Butter cutter. 2,488,656, Nov. 22.
- Berg, O. Magnus, Houston, Tex. Clutch operating mechanism. 2,465,054, Mar. 22.
- Berg, René, New York, N. Y. Self-closing gauging hatch. 2,483,256, Sept. 27.
- Berg, Russell A., Red Bank, N. J. Radio relay system. 2,477,570, Aug. 2.
- Berg, Swan: *See*—
Whalen, Richard D., and Berg.
- Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electric connector. 2,480,280, Aug. 30.
- Bergel, Franz: *See*—
Atherton, Frank R., Bergel, Cohen, Haworth, Openshaw, and Todd.
- Bergel, Franz, A. Cohen, J. W. Haworth, and E. G. Hughes, Welwyn Garden City, England, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Chalcones and their manufacture. 2,465,320, Mar. 22.
- Bergel, Franz, A. Cohen, J. W. Haworth, E. G. Hughes, and J. A. Silk, Welwyn Garden City, England, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Quaternizing pyridine compounds. 2,475,689, July 12.
- Bergen, Edward, Bronxville, assignor to Hold-Rite Co., New York, N. Y. Hairpin. 2,476,350, July 19.
- Bergen Engineering and Sales Corporation, assignee: *See*—
Jones, Walter.
- Bergen, Leland B., Millbrae Highlands, Calif. Bridle bit. 2,466,147, Apr. 5.
- Bergendal, Gunnar, Angby, near Stockholm, Sweden. Dental implement. 2,488,846, Nov. 22.
- Berger, Albert H., Rocky River, assignor, by mesne assignments, to The Consolidated Iron-Steel Manufacturing Company, Cleveland, Ohio. Fuel feed device for oil burners. 2,492,516, Dec. 27.
- Berger, Alexander, assignor to Automotive & Aircraft Hydraulics Inc., New York, N. Y. Cylinder and cylinder head construction. 2,487,512, Nov. 8.
- Berger, Barron D.: *See*—
Martin, George B., and Berger.
- Berger, Carl R., Oshkosh, Wis. Candle molding apparatus. 2,468,539, Apr. 26.
- Berger, Carl W., McPherson, Kans., assignor to The Inventors Guild, Newark, N. J. Recovery of phenol salts from aqueous solutions. 2,474,028, June 21.
- Berger, Earl O.: *See*—
Robinson, Lawrence R., and Kyle I., and Berger.
- Berger, Emil J., and H. K. West, assignors to The Dextdale Hosiery Mills, Lansdale, Pa. Racking mechanism for knitting machines. 2,468,728, May 3.
- Berger, Emil J., and H. K. West, assignors to Dextdale Hosiery Mills, Lansdale, Pa. Loop regulating mechanism for straight knitting machines. 2,470,131, May 17.
- Berger, Emil J., and H. K. West, assignors to Dextdale Hosiery Mills, Lansdale, Pa. Sinker actuating mechanism for knitting machines. 2,473,355, June 14.
- Berger, Emil J., and H. K. West, assignors to Dextdale Hosiery Mills, Lansdale, Pa. Pattern mechanism for knitting machines. 2,473,503, June 21.
- Berger, Frank M., W. Bradley, and F. G. Sayer, assignors to The British Drug Houses Limited, London, England. Propylene glycol solutions of dihydroxy ethers. 2,468,423, Apr. 26.
- Berger, Henry G., Glen Rock, G. S. Crandall, and J. F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Treatment of drying oils. 2,478,451, Aug. 9.
- Berger, J. E., Corporation, assignee: *See*—
Wortman, Robert.
- Berger, Jack, Laurelton, Long Island, assignor to Diesel Oil Burner Corporation of New York, Jamaica, N. Y. Arrangement for operating oil burners. 2,472,398, June 7.
- Berger, Kornel, Kew Gardens, N. Y. Lamp. 2,458,136, Jan. 4.
- Berger, Morris, Burlington, N. J. Electromechanical safety razor. 2,474,027, June 21.
- Berger, Paul, Chicago, Ill., assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Duman. Transformer. 2,461,957, Feb. 15.
- Berger, Paul, assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Duman, Chicago, Ill. Lighting transformer. 2,472,140, June 7.
- Berger, Paul, assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Duman, Chicago, Ill. Transformer. 2,472,882, June 14.
- Berger, Richard E., Hartford County, and H. P. Hessler, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Apparatus for stretch forming hard metal alloys. 2,486,817, Nov. 1.
- Berger, Samuel I., Newark, N. J. Toy typewriter. 2,458,137, Jan. 4.
- Berger, Samuel I., Newark, N. J. Toy typewriter. 2,486,702, Nov. 1.
- Bergeron, Alvin W.: *See*—
Croft, Cyril M., Bergeron, and Dodge.
- Bergeron, Lauren A., Hastings, assignor of one-twentieth to G. Wilson, Royal Oak, and one percent to L. Wolfgang, Detroit, Mich. Quick heat air blower and drying appliance. 2,478,559, Aug. 9.
- Bergey, Raymond D., Collingdale, Pa. Music timing apparatus. 2,483,570, Oct. 4.
- Berggren, Detlof E., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Column-stand for supporting apparatus vertically movable along the column, particularly X-ray apparatus. 2,471,998, May 31.
- Berggren, Detlof E., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for medical examination with the aid of X-rays. 2,490,400, Dec. 6.
- Berggren, George E.: *See*—
Adams, George P., and Berggren.
- Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical brazing of conductors. 2,459,863, Jan. 25.
- Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Extruding apparatus. 2,488,576, Nov. 22.
- Berggren, Kurt E., Stockholm, Sweden. Apparatus for the development of prints by means of ammonia gas. 2,492,781, Dec. 27.
- Berggren, Willard P.: *See*—
Barbee, Charles E., and Berggren.
- Bergh, Elmer, Harlem, Mont. Beet seed planter. 2,479,534, Aug. 16.
- Berghammer, George A., Jr., assignor to Griffin's Associated Fisheries, Inc., Milwaukee, Wis. Fish boning machine. 2,491,078, Dec. 13.
- Bergholm, Harry K., Stora Essingen, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigeration. 2,490,401, Dec. 6.
- Berghorn, Paul A., Fort Wayne, Ind., assignor to General Electric Company. End shield for dynamoelectric machines. 2,464,017, Mar. 8.
- Bergild, Bror B. K., assignee: *See*—
Winholm, Folke.
- Bergild, Ulf K. R., executor, assignee: *See*—
Winholm, Folke.
- Berglund, Orion W., Dayton, assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Multiple impregnation of papermakers' felt. 2,482,236, Sept. 20.
- Berglund, Orion W., Dayton, assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Impregnating paper making felts with polyvinyl alcohol containing emulsion. 2,482,237, Sept. 20.
- Bergman, Charles P., Brooklyn, N. Y., assignor to Rockwell Manufacturing Company. Guide means for rotary oscillating pistons of expansible chamber meters. 2,462,063, Feb. 22.
- Bergman, Charles P., Brooklyn, N. Y.; W. V. Elliott, administrator of said C. P. Bergman, deceased, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Magnetic drive. 2,487,783, Nov. 15.
- Bergman, Charles P., Brooklyn, N. Y., and M. Cornell, Cleveland, Ohio, assignors to Rockwell Manufacturing Company. Predetermining dispensing system. 2,460,275, Feb. 1.
- Bergman, Ellen, San Francisco, Calif. Baby carrier. 2,477,164, July 26.
- Bergman, Jack, Pittsburgh, Pa. Educational device. 2,476,580, July 19.
- Bergman, Lars G., Traneberg, Sweden. Mechanical removal of dung. 2,491,245, Dec. 13.
- Bergman, Per F., Orebro, and E. G. H. Löfström, Stockholm, Sweden, said Löfström assignor to said Bergman. Adjustable support for curtain-pole holders, etc. 2,480,438, Aug. 30.
- Bergman Peter, Grand Rapids, Mich. Sash holder. 2,490,992, Dec. 13.

- Bergman, William E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well washing fluid and using the same. 2,470,132, May 17.
- Bergmann, Erick W., assignee: *See*—Mackin, James D., and Bergmann.
- Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor. 2,463,849, Mar. 8.
- Bergmann, Richard F., Winnetka, Ill., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Shaft coupling. 2,460,249, Jan. 25.
- Bergmans, Jan: *See*—van Liempt, Johannes A. M., and Bergmans.
- Bergmans, Jan, J. G. Kronouer, and M. Leeuwin, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver tuning indicator, including a wide angle viewing lens. 2,470,012, May 10.
- Bergmans, Jan, C. A. Lamberts, and C. H. J. Anderson, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Bar system and lamp fitting comprising such a bar system. 2,470,284, May 17.
- Bergquist, Carl H., Forest Hills, assignor to Elliott Company, Jeannette, Pa. Deaerating heater. 2,490,294, Dec. 6.
- Bergren, Julius, Minneapolis, Minn., assignor to J. A. Bousquet. Weedless fishhook. 2,473,564, June 21.
- Bergs, E. A., Fabriks Aktiebolag, assignee: *See*—Osterdahl, Eric L. L.
- Bergstedt, Karl A., Langedrag, assignor to Svenska Flygmotor Aktiebolaget, Goteborg, Sweden. Rotor for multistage turbines or similar machines. 2,483,616, Oct. 4.
- Bergstein, Frank D., assignee: *See*—Bergstein, Samuel.
- Bergstein, Robert M., assignee: *See*—Bergstein, Samuel.
- Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. Bergstein and F. D. Bergstein, trustees. Method and apparatus for producing cartons. 2,472,883, June 14.
- Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. Bergstein and F. D. Bergstein, trustees. Producing packing structures. 2,474,391, June 28.
- Bergsten, Charles A., Evanston, assignor to Ditto, Incorporated, Chicago, Ill. Device for producing type-written master sheets. 2,465,994, Apr. 5.
- Bergsten, Charles A., Evanston, assignor to Ditto, Incorporated, Chicago, Ill. Spindle for strip material. 2,465,995, Apr. 5.
- Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Making warp beam head clamp pads. 2,480,214, Aug. 30.
- Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Resilient mounting for bobbin magazines. 2,490,402, Dec. 6.
- Bergstrom, Carl P., Millbury, and A. J. Herard, Jr., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Automatic pick and pick loom. 2,460,319, Feb. 1.
- Bergstrom, Carl P., and A. Palmer, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Cam operated transversely engaged clutch for looms. 2,478,560, Aug. 9.
- Bergstrom, Carl P., Millbury, and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric web detecting mechanism for drop box looms. 2,485,134, Oct. 18.
- Bergstrom, Eric V.: *See*—Utterback, Ernest, and Bergstrom.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,458,498, Jan. 11.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,458,499, Jan. 11.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion. 2,477,281, July 26.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion apparatus. 2,480,625, Aug. 30.
- Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,488,488, Nov. 15.
- Bergstrom, Herman A., Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Nondusting compositions containing stabilized diazo compounds. 2,477,165, July 26.
- Bergström, Knut E., Stockholm, Sweden. Hose clip. 2,487,296, Nov. 8.
- Berindel, Matel: *See*—Nemet, Anthony, and Berindel.
- Bering, Edgar A., Jr., Brookline, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Fibrous foam. 2,492,458, Dec. 27.
- Bering, Lynn, Hollywood, Calif. Face powder container. 2,460,444, Feb. 1.
- Berk, F. W., & Company, Inc., assignee: *See*—Meighan, Merl H., and Brown.
- Berkeley, Scott B., Goldsboro, N. C. Acoustical telephone connector for sound recorders. 2,479,806, Aug. 23.
- Berkey, William E., River Forest, Ill., and E. K. Von Mertens, West Hartford, Conn., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignition system. 2,467,725, Apr. 19.
- Berkholder, George H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flow controlling device. 2,476,400, July 19.
- Berkley, Carl, New York, N. Y., assignor to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Apparatus for testing the accuracy of movements. 2,473,700, June 21.
- Berkley, Carl, New York, N. Y., assignor to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Color sorting device using differently color-selective photocells and a cathode-ray tube. 2,483,452, Oct. 4.
- Berkley, Warren D.: *See*—Stuart, Joseph, III, and Berkley.
- Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Cylinder ridge reamer. 2,461,490, Feb. 8.
- Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Cylinder ridge reamer. 2,465,627, Mar. 29.
- Berkman, Martha K., Chicago, Ill. Sanitary pad supporter. 2,475,001, July 5.
- Berkovitz, Harry, Weehawken, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator system. 2,491,948, Dec. 20.
- Berks County Trust Company, executor: *See*—Sternbergh, James H.
- Berkson, Erwin L., Chicago, Ill. Tamperproof hinge or the like. 2,462,300, Feb. 22.
- Berlenbach, Bernard E.: *See*—Holm, Melvin M., Brooke, and Berlenbach.
- Berlin, Irving, F. L. Graham, and D. McCann, Los Angeles, Calif. Pipestem cleaner. 2,486,247, Oct. 25.
- Berliner, Henry A., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Cutting means for metal stretching dies. 2,460,483, Feb. 1.
- Berlinger, Bernard E., Elkins Park, assignor to Quaker City Gear Works, Inc., Philadelphia, Pa. Fishing reel. 2,484,546, Oct. 11.
- Berlinger, Joseph F., executor: *See*—Broader, Harry.
- Berliner, Martin, New York, N. Y., assignor to Induction Machining, Inc. Machining metal. 2,309,2, Mar. 22.
- Berlowitz, Elly, administratrix: *See*—Berlowitz, Max.
- Berlowitz, Max, deceased, late of London, England, by E. Berlowitz, administratrix, London, England. Refrigerator chamber cooled by evaporation of liquid by a current of air. 2,488,116, Nov. 15.
- Berlyn, Martin J., Enfield, Conn., and J. J. Broderick, assignors to American Bosch Corporation, Springfield, Mass. Fuel supply apparatus for internal-combustion engines. 2,465,784, Mar. 29.
- Berman, Benjamin, Brooklyn, N. Y. Automobile sled. 2,487,297, Nov. 8.
- Berman, Bertha, New York, N. Y. Bed sheet construction. 2,462,156, Feb. 22.
- Berman, David H.: *See*—Walliser, Robert E.
- Berman, Jack, Brooklyn, N. Y. Safety clothesline hook. 2,486,248, Oct. 25.
- Berman, Joseph E., assignee: *See*—Taylor, Russell H.
- Berman, Oscar H., Baltimore, Md. Shoe shining kit. 2,483,873, Oct. 4.
- Bernard, Arthur A., Chicago, Ill., assignor to National Cylinder Gas Company. Welding electrode. 2,490,023, Dec. 6.
- Bernard, Arthur A., Chicago, Ill., assignor to National Cylinder Gas Company. Automatic arc welding apparatus. 2,490,024, Dec. 6.
- Bernard, George G.: *See*—Bond, Donald C., Russell, and Bernard.
- Bernard, George G., assignor to The Pure Oil Company, Chicago, Ill. Oxidizing acidic sulfur compounds. 2,488,000, Nov. 15.
- Bernard, Maurice E., Paris, France. Device for indicating the time of exposure for photographic enlargements. 2,462,937, Mar. 1.
- Bernard, Pierre D., Clermont-Ferrand, France. Electronic valve apparatus for electrotherapy. 2,465,838, Mar. 29.
- Bernarde, Henry L., Union, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Movable coil with rectifiers for electrical instruments. 2,488,367, Nov. 15.
- Bernart, William E., Jr., New Canaan, F. J. Rouan, Stamford, F. L. Ford, Springdale, and L. A. Thatcher, deceased, late of Stamford, Conn., by R. L. Thatcher, administrator, Verona, N. J., assignors to the United States of America as represented by the Secretary of War. Gun sight. 2,479,717, Aug. 23.
- Bernas, Robert, assignor to M. N. Yardeny, New York, N. Y. Electric motor control apparatus with automatic "z" effect. 2,460,276, Feb. 1.
- Bernas, Robert, assignor to M. N. Yardeny, New York, N. Y. Remote position controlling apparatus. 2,475,217, July 5.
- Bernasconi, Eduard, assignor to Ciba Limited, Basel, Switzerland. Triazine azo dyes. 2,460,618, Feb. 1.

- Berndsen, Richard A., assignee: *See*—
Berndsen, William E.
- Berndsen, William E., Cleveland, Ohio, assignor of three-sixteenths to R. A. Berndsen, and three-sixteenths to B. J. Jorgensen. Sponge type mop with two-part hinged backing plate. 2,486,102, Oct. 25.
- Berndtson, John O., Short Beach, assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Multiple-clutch mechanism. 2,462,457, Feb. 22.
- Berner, Harry M., assignor to American Hospital Supply Corporation, Chicago, Ill. Device for creating vacuums. 2,478,561, Aug. 9.
- Bernhard, Benjamin S., New Britain, assignor, by mesne assignments, to Automatic Kneeler Corporation, Hartford, Conn. Retracting device for kneeling benches. 2,460,791, Feb. 1.
- Bernhard, Thomas J., San Pedro, Calif. Rat guard. 2,483,874, Oct. 4.
- Bernhardt, Elmer F.: *See*—
Denson, Lee, and Bernhardt.
- Bernhardt, Karl, assignee: *See*—
Fankl, Mathias.
- Bernhardt, Lee F., Fort Wayne, Ind., assignor to American Brass and Aluminum Foundry, Incorporated. Hydrostatic control for pumps. 2,488,506, Nov. 15.
- Bernhart, Finn W., Holt, Mich., assignor to Wyeth Incorporated, Philadelphia, Pa. Stable emulsions of oil and glycerine. 2,463,738, Mar. 8.
- Bernick, Herbert, New York, N. Y. Garment rack. 2,492,517, Dec. 27.
- Bernier, Robert V., Dayton, Ohio. Three-dimensional adapter for motion-picture projectors. 2,478,891, Aug. 16.
- Berninger, Kenneth L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Regulator seal. 2,467,955, Apr. 19.
- Berninger, Kenneth L., and C. H. Lowrey, assignors to The Eldee Products Company, Dayton, Ohio. Light control. 2,472,741, June 7.
- Bernini, Giuseppe: *See*—
Butturini, Luigi, and Bernini.
- Berno, Harmond E., Plymouth, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Propeller shaft support. 2,465,785, Mar. 29.
- Bernstein, Irving, and M. Director, Brooklyn, N. Y. Extensible car radio antenna. 2,491,601, Dec. 20.
- Bernstein, Jack: *See*—
Lott, William A., Bernstein, and Sterns.
- Bernstein, Leo, Pittsburgh, Pa. Nonremovable garment tag having folded staple ends concealed. 2,464,113, Mar. 8.
- Bernstein, Lillian, Bronx, N. Y. Wearing apparel. 2,476,798, July 19.
- Bernstein, Rubin, Philadelphia, Pa. Cleaning composition. 2,485,554, Oct. 25.
- Bernstein, Samuel M., Chicago, Ill. Fan. 2,476,692, July 19.
- Berquist, Nils O., Appelviken, near Stockholm, Sweden. Belt driving device. 2,472,513, June 7.
- Berr, Charles E., Hartford, Conn., assignor to Wesleyan University. Fused pyrosulfate-halide solvent electrolyte. 2,487,214, Nov. 8.
- Berridge, Donald R.: *See*—
Reason, Richard E., and Berridge.
- Berry, Charles R., deceased, Vicksburg, Miss.; R. M. Berry, administratrix. Doffing mechanism for cotton harvesters. 2,462,800, Feb. 22.
- Berry, Christopher A.: *See*—
Buhler, Eugen, and Berry.
- Berry, Clifford E.: *See*—
Washburn, Harold W., and Berry.
- Berry, Frank, Corinth, Miss. Plural stage rotary abutment fluid power device. 2,464,481, Mar. 15.
- Berry, Gene L., assignor of one-fourth to V. Anderson, Hailey, Idaho. Diaper cleaning device. 2,473,852, June 21.
- Berry, Glenn, and G. W. Sjoboen, Birmingham, Mich.; said Sjoboen assignor to said Berry. Garage door. 2,484,674, Oct. 11.
- Berry, Harry O., Inglewood, Calif. Saw setting machine. 2,483,257, Sept. 27.
- Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentrated aqueous colloidal dispersions of polytetrafluoroethylene and their preparation. 2,478,229, Aug. 9.
- Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polytetrafluoroethylene dispersions. 2,484,483, Oct. 11.
- Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining laminated products. 2,484,484, Oct. 11.
- Berry, Lathrop F., and F. E. Davis, III, Jackson, Mich. Remote-control switch structure. 2,477,166, July 26.
- Berry, Ruth P.: *See*—
Hardick, Floyd W.
- Berry, Ruth P., assignee: *See*—
Kroenlein, Henry A.
- Berry, Wallace S.: *See*—
Moore, Meade F., and Berry.
- Berry, William A., Essex Junction, Vt. Stake releasing means for vehicle log bunks. 2,469,760, May 10.
- Berryman, Lloyd M., Baltimore, Md. Air conditioning apparatus including a sterilizing means. 2,472,243, June 7.
- Berscheid, Irvine J., Bissett, Manitoba, Canada. Detachable bit. 2,460,673, Feb. 1.
- Bershad, Israel, Brooklyn, N. Y. Portable clothes drier. 2,473,047, June 14.
- Bersworth, Frederick C., Verona, N. J. Producing carboxylic substituted aliphatic amines and metallic salts thereof. 2,461,519, Feb. 15.
- Bersworth, Frederick C., Verona, N. J. Treating animal and vegetable oils. 2,463,015, Mar. 1.
- Bersworth, Frederick C., Verona, N. J. Reclaiming the hydrocarbon content of used hydrocarbon lubricants. 2,474,411, June 28.
- Bersworth, Frederick C., Verona, N. J. Soapless-germically active detergent. 2,474,412, June 28.
- Bersworth, Frederick C., Verona, N. J. Forming substituted alpha-amino acid amides. 2,480,439, Aug. 30.
- Bersworth, Frederick C., Verona, N. J. Chlorinated derivatives of alkylene polyamines. 2,489,363, Nov. 29.
- Bert, Léonce, M. Procoffeff, and V. Blinoff, Paris, assignors to Societe Anonyme dite: Societe d'Innovations Chimiques dite: Sinnova ou Sadic Meaux-Beauval, France. Obtainment of aliphatic sulfonic acids and esters thereof. 2,460,968, Feb. 8.
- Bert, Samuel, Dallas, Tex. Ice shaving machine. 2,477,474, July 26.
- Bertalan, Edward, Glen Arm, Md., and J. A. Wagner, Cleveland Heights, Ohio, assignors to Western Electric Company, Incorporated, New York, N. Y. Cable forming machine. 2,471,299, May 24.
- Berte, Alex, Pasadena, Calif. Pin-type coupling. 2,479,807, Aug. 23.
- Berte, Alex, Pasadena, Calif. Flexible seal check valve. 2,481,713, Sept. 13.
- Bertele, Hans C., Purley, England. Starting and control arrangement for electric discharge apparatus. 2,465,421, Mar. 29.
- Berthier, Emile A., Villefranche-sur-Soane, France. Electric cutout. 2,467,653, Apr. 19.
- Berthiez, Charles W., Paris, France. Toolholder. 2,466,197, Apr. 5.
- Berthiez, Charles W., Paris, France. Device for controlling movable members of machines. 2,466,198, Apr. 5.
- Berthiez, Charles W., Paris, France. Turrethead. 2,466,199, Apr. 5.
- Berthiez, Charles W., Paris, France. Protecting device for the commutator and brushes of dynamo machines. 2,469,029, May 3.
- Berthiez, Charles W., Paris, France. Control device for tool carriers of reciprocating machines. 2,475,577, July 5.
- Berthiez, Charles W., Paris, France. Machine tools with revolving tool holder disks. 2,476,255, July 12.
- Berthiez, Charles W., Paris, France. Friction-free slider rheostat. 2,476,799, July 19.
- Berthiez, Charles W., Paris, France. Combinator of electric circuits. 2,477,953, Aug. 2.
- Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass in plural charges. 2,485,808, Oct. 25.
- Berthold, Walter K., Rockville, and J. S. Light, Simsbury, assignors to Hartford-Empire Company, Hartford, Conn. Controlling the temperature of glass in plural orifices of glass feeders. 2,485,807, Oct. 25.
- Bertolini, Charles J., and H. Van Dyke, Pasadena, Calif. Dual pivoted bender for simultaneously bending two parallel lengths of metal tubing. 2,488,896, Nov. 22.
- Bertrand, Frederic E., Lynn, and A. S. Clark, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Ribbed strip for insoles. 2,458,500, Jan. 11.
- Bertsch, Hugh C.: *See*—
Conard, Charles R., and Bertsch.
- Berube, Frank, Brockton, Mass. Snap fastener attachment for button sewing machines. 2,473,132, June 14.
- Berwanger, Frank, Dubuque, Iowa. Boiler construction. 2,480,440, Aug. 30.
- Beryllium Corporation, The, assignee: *See*—
Kawecki, Henry C.
- Besag, Arnold, East Malvern, and O. T. Goetz, Spotswood, Victoria, Australia. Fruit pitting knife. 2,489,612, Nov. 29.
- Bescherer, Edwin A., Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone substation apparatus. 2,487,016, Nov. 1.
- Bescherer, Palmer, York, Pa., assignor to Diebold, Incorporated, Canton, Ohio. Vault wall construction. 2,458,242, Jan. 4.
- Beseke, Johanna, Minneapolis, Minn. Compact. 2,468,161, Apr. 26.
- Beseler, Charles, Company, assignee: *See*—
Field, Philip M.
- Besserich, Arnold C., Chicago, Ill., and W. G. Roesch, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Under-speed trip for steam turbines. 2,466,358, Apr. 5.
- Bessière, André J. A., Clannhac, Salles-Courbatiers, France. Calculating apparatus for gun battery fire coordination. 2,486,913, Nov. 1.
- Bessieré, Pierre E., Paris, assignor to Societe Electro-Mecanique de L'Aveyron S. A., Rodez, France. Electric brake, especially for automobile vehicles. 2,487,416, Nov. 8.

- Besson, Andre, Paris, France, assignor to Societe Francaise Radio Electrique. Base structure for electron discharge devices. 2,475,369, July 5.
- Besson, Henri, assignee: *See*—
Ruchti, Charles.
- Bessonneau, Maurice, Puteaux, France. Foldable hood for vehicles. 2,479,599, Aug. 23.
- Best Foods, Inc., The, assignee: *See*—
Gooding, Chester M., Neal, and Vahlteich.
Gooding, Chester M., Vahlteich, and Neal.
Neal, Ralph H., Gooding, and Vahlteich.
Neal, Ralph H., Vahlteich, and Gooding.
Schaub, Gordon C.
Vahlteich, Hans W., Gooding, and Neal.
Vahlteich, Hans W., Neal, and Gooding.
- Best, Frank P., Chelmsford, C. D. Colchester, Danbury, and J. Twatt, Chelmsford, England, assignors to Radio Corporation of America. Navigation aiding apparatus. 2,470,912, May 24.
- Best, Frank P., Chelmsford, assignor to Marconi Sounding Device Company Limited, London, England. Electroacoustic translator, including impedance matching. 2,481,068, Sept. 6.
- Best, Fred H., Mountinside, and J. R. Pierce, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode unit assembly. 2,460,484, Feb. 1.
- Best, James E., San Francisco, Calif. Work support. 2,463,592, Mar. 8.
- Best, Philip F.: *See*—
Burdock, Joseph L., Best, and McBride.
- Best, Urban B., St. John, and V. L. Hudson, deceased, Great Bend, Kans.; I. L. Hudson, executrix, assignor of said V. L. Hudson's interest to I. L. Hudson. Scale and sediment eliminator. 2,477,716, Aug. 2.
- Beste, Harold E.: *See*—
Mann, Estle R., and Beste.
- Beste, Marion D.: *See*—
Reed, Raymond E., Tenenbaum, and Beste.
- Bester, Leonard R., New York, N. Y. Baffle type muffler with plural expansion chambers. 2,485,555, Oct. 25.
- Bestland, Jergen, Antelope, Mont. Rock picking machine. 2,491,079, Dec. 13.
- Beswick, Robert E., Marple, England. Quick action nut. 2,489,613, Nov. 29.
- Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Pulpstone. 2,467,878, Apr. 19.
- Beth, Richard A., Cleveland, Ohio, assignor to the United States of America as represented by the Secretary of War. Electromagnetic apparatus for measuring projectile velocity during penetration. 2,479,808, Aug. 23.
- Bethlehem Steel Company, assignee: *See*—
Clapp, Roger H., and Phelan.
Fairchild, Theodore M.
Gingrich, Hiram E.
Jones, Jonathan.
Mulquin, William R.
Puening, Franz, and Bower.
Richards, Ward F.
Wilson, Tom.
- Bettcher, Mortimer L., assignor to The Durlron Company, Inc., Dayton, Ohio. Plug valve. 2,466,790, Apr. 12.
- Bettcher, Mortimer L., Montgomery County, assignor to The Durlron Company, Inc., Dayton, Ohio. Plug cock valve. 2,483,518, Oct. 4.
- Bettencourt, Alfred S., East Orange, N. J. Larding and seasoning needle. 2,473,191, June 14.
- Bettendorf Company, The, assignee: *See*—
Schrage, Frederick S.
- Bettendorf, Jacob M., assignor to M. B. Muehl, Milwaukee, Wis. Potato planter. 2,480,897, Sept. 6.
- Better-Bilt Manufacturing Company, assignee: *See*—
Johnson, Earl S., and Anderson.
- Better Mouse Trap Company, The, assignee: *See*—
Tyler, John D.
- Better Packages Incorporated, assignee: *See*—
Hillmer, Herman H.
Krueger, Theodore H.
- Bettridge, Frederick L. G.: *See*—
Grouse, Richard A., and Bettridge.
- Betts, Chester A., Portland, Oreg. Joining elements of sectional cabinets. 2,481,972, Sept. 13.
- Betts and Company Limited, assignee: *See*—
Menheneott, Frank M., and Hagger.
- Bettum, Oscar A., Washington, D. C. Watchmaker's hand clamping tool. 2,480,696, Aug. 30.
- Betz Corporation, assignee: *See*—
Boyle, John R.
- Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Safety control for gaseous fuel burners. 2,461,714, Feb. 15.
- Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Apparatus for improving the operation of oxygen cutting torches. 2,473,465, June 14.
- Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Gas burner with thermocouple. 2,482,238, Sept. 20.
- Betz, W. H. and L. D., assignees: *See*—
Kahler, Harry L.
- Betzler, Henry W., Clifton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Photocell structure. 2,480,113, Aug. 30.
- Beuscher, William B., Kansas City, Mo., assignor to Rupert Diecasting Company, Kansas City, Kans. Diecasting machine. 2,492,259, Dec. 27.
- Beutel, Carl, Pentwater, Mich. Nonslip boot attachment. 2,464,431, Mar. 15.
- Beutel, Edward, Vallejo, and S. P. Dunn, Sonoma, Calif. Gangway. 2,478,177, Aug. 9.
- Beutel, Ralph H., Newark, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Method for separating the stereoisomers of α -hydroxy- β , β -dimethyl-gamma-butyrolactone. 2,474,719, June 28.
- Beuther, Harold, Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Cracking hydrocarbon oils. 2,470,680, May 17.
- Bevan, William J., East McKeesport, assignor to Rogers Brothers Corporation, Albion, Pa. Front end hoist for semitrailers. 2,481,898, Sept. 13.
- Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Radio relaying system. 2,487,513, Nov. 8.
- Beverleigh, Elmar R., Oakland, assignor to A. W. Shaw, San Francisco, Calif. Saw-filing machine. 2,460,331, Feb. 1.
- Beverlin, Robert S., Toledo, Ohio, assignor, by mesne assignments, to Vickers, Incorporated. Valve seat grinding means. 2,466,359, Apr. 5.
- Bevevino, Angelo J., Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Device for lifting and transporting objects. 2,473,410, June 14.
- Bevil Company, assignee: *See*—
Pratt, Willard R.
- Bevins, James E., Ramsey, assignor to Bendix Aviation Corporation, Teterboro, N. J. Chart evaluator. 2,481,563, Sept. 13.
- Bevalda, Clarence E., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for mixing fine solids and for discharging uniform portions thereof. 2,464,788, Mar. 22.
- Beyard, Romayne M.: *See*—
Nichols, Ernest H., and Beyard.
- Beyer, Carlton M., and E. M. Bolze, San Diego, Calif., assignors to the United States of America, as represented by the Secretary of the Navy. Sound ranging training apparatus. 2,459,679, Jan. 18.
- Beyer, Frederick C., Washington, D. C., and C. E. Jackson, Niagara Falls, N. Y. Welding apparatus. 2,472,803, June 14.
- Beyer, William C., Valley City, N. Dak. Truck loader and unloader. 2,479,899, Aug. 23.
- Beyerstedt, Ralph L., assignor to The Frank G. Hough Co., Libertyville, Ill. Tractor-shovel hydraulic dumping control. 2,463,675, Mar. 8.
- Beylerian, Berdige K., Los Angeles, Calif. Simulating surface structures. 2,472,060, June 7.
- Beymer, Marshall, assignor of one-half to H. L. Sweltz, Chicago, Ill. Spot welding apparatus. 2,462,458, Feb. 22.
- Beymer, Oliver H., Pittsfield, Mass., assignor to General Electric Company. Coil section spacer. 2,467,804, Apr. 19.
- Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Flexible wrinkle coated material and producing same. 2,460,485, Feb. 1.
- Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle flexible material with rubber solution coating. 2,468,724, May 3.
- Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle coating composition consisting of a mixture of conjugated double-bonded oil and an aqueous emulsion of polyvinyl acetate resin. 2,479,298, Aug. 16.
- Bezault, Georges A. J., Juvisy-sur-Orge, France, assignor, by mesne assignments, to Cartier, Inc., New York, N. Y. Case for lipstick, rouge, and the like products. 2,480,539, Aug. 30.
- Bezdek, Willie, assignee: *See*—
South, Luther B.
- Béziaud, Jean A.: *See*—
Mallard, Francis H. M. J., Laville, and Béziaud.
- Bezjian, Jack, Chicago, Ill. Venetian blind. 2,481,714, Sept. 13.
- Bhajakar, Madhav V., Bombay, India. Endoscope handle. 2,470,013, May 10.
- Bialkowski, Ludwik S., London, England. Lock. 2,463,237, Mar. 1.
- Bialosky, Jerome M., Chicago, Ill., assignor to E. M. Butler, New Orleans, La. Electrolytic water correction device. 2,489,739, Nov. 29.
- Bialous, Adolf J., Schenectady, N. Y., assignor to General Electric Company. Coil-polarity indicator. 2,481,282, Sept. 6.
- Blancani, Adolph T. M., Elko, Nev. Ventilator. 2,489,446, Nov. 29.
- Blanchi, Henry E., Elmhurst, assignor to G. Cella, Inc., New York, N. Y. Confection making apparatus. 2,487,417, Nov. 8.
- Bibby, J., & Sons Limited, assignee: *See*—
Bibby, James E.

- Bibby, James E., Birkenhead, assignor to J. Bibby & Sons Limited, Liverpool, England. Rotary drum evaporator with concentric evaporating chambers. 2,484,445, Oct. 11.
- Bibus, Hans, Kusnacht-Zurich, Switzerland. Mouth organ. 2,478,963, Aug. 16.
- Bice, Richard A.: *See*—
Boyd, John, and Bice.
- Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Machine tool. 2,481,383, Sept. 6.
- Bickerton, Jack M., assignor to Lunis, Speiden and Company, New York, N. Y. Fumigant composition and method. 2,473,984, June 21.
- Bickford, A. M., & Sons Limited, assignee: *See*—
Willis, Harry G.
- Bickham, Francis J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Packing case. 2,488,368, Nov. 15.
- Bickle, Harry M., Middlesex, and R. A. Bailey, London, assignors, by mesne assignments, to H. M. Bickle, Heaton, Middlesex, England. Spark plug. 2,459,214, Jan. 18.
- Bickley, Everett H., Bala-Cynwyd, Pa. Positioning objects for automatic color sorting. 2,460,212, Jan. 25.
- Bicknell, John A., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Prolonging the useful life of aqueous aluminum-casein coating composition. 2,459,408, Jan. 18.
- Bicknell, John A., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Dual-toned metallic-coated web. 2,479,094, Aug. 16.
- Bicknell, John A., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Separable liner for tacky elastomers. 2,480,352, Aug. 30.
- Bidak, John, Detroit, Mich. Exercising device. 2,475,656, July 12.
- Biddle, Arthur, assignor to Reynolds Metals Company, Richmond, Va. Aluminum covered glass thread. 2,458,243, Jan. 4.
- Bide, Austin E.: *See*—
Smith, Ernest L., and Bide.
- Bide, Austin E., R. J. Nicholls, and P. A. Wilkinson, London, assignors to Glaxo Laboratories Limited, Greenford, England. Preparation of derivatives of cholesterol. 2,468,859, May 3.
- Biderman, Carl, Jamaica, N. Y. Fluid lens having bubble elimination means. 2,484,675, Oct. 11.
- Bidwell, George L., Riegelsville, Pa. Apparatus for drying paper. 2,484,676, Oct. 11.
- Bidwell, George L., Riegelsville, Pa., assignor to Riegel Paper Corporation, New York, N. Y. Apparatus for paper manufacture. 2,488,700, Nov. 22.
- Bidwell, William F. S.: *See*—
Fitzmaurice, James C., and Bidwell.
- Bieberich, Paul, Fort Wayne, Ind. Machine for lapping wire drawing dies. 2,470,331, May 17.
- Biebesheimer, William B., Toledo, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transformer windings. 2,470,598, May 17.
- Bleker, Lawrence W., Munster, Ind., and W. J. Lewis, Chicago, Ill., assignors to Graver Tank & Mfg. Co. Filter underdrain. 2,458,673, Jan. 11.
- Bienfait, Henri, and C. F. Veenemans, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Thermionic tube having a secondary-emission electrode. 2,472,189, June 7.
- Bienfait, Louis, Chambly, France. Apparatus for determining the correct tracing of railway tracks. 2,485,810, Oct. 25.
- Bierce, Ernest C., Pasadena, Calif. Nonacid activation process for bleaching clay. 2,481,641, Sept. 13.
- Bierman, Carroll M., assignee: *See*—
Wagner, Frank J.
- Bierman, Carroll M., assignor of one-half to F. J. Wagner, Franklin Square, N. Y. Roller skate wheel hubcap. 2,472,087, June 7.
- Bierman, Howard R., U. S. Navy. Deceleration harness comprising undrawn synthetic fibers or the like. 2,475,588, July 12.
- Bierman, Hyman, Chicago, Ill., assignor of twenty-five per cent to M. Perlín. Zinc base alloy. 2,467,956, Apr. 19.
- Bierman, Raymond C.: *See*—
Gilman, Webster E., and Bierman.
- Biermann, David, assignor to Hartzell Industries, Inc., Piqua, Ohio. Propeller mounting. 2,485,809, Oct. 25.
- Biermann, David, assignor to Hartzell Industries, Inc., Piqua, Ohio. Propeller hub. 2,492,615, Dec. 27.
- Bierwirth, John A., and F. Klaeden, Austin, Tex. Door hook. 2,471,089, May 24.
- Bierwirth, Rudolph A.: *See*—
Brown, George H., and Bierwirth.
Hoyer, Cyril N., and Bierwirth.
- Bierwirth, Rudolph A., Kingston, N. J., assignor to Radio Corporation of America. Radio frequency apparatus for heating metallic articles of large surface area to volume ratio. 2,470,285, May 17.
- Bierwirth, Rudolph A., Kingston, N. J., assignor to Radio Corporation of America. Dehydrating effervescent liquids. 2,472,562, June 7.
- Biery, Arthur, Pine Island, Minn. Stepladder. 2,476,650, July 19.
- Biery, Robert K., New Orleans, La. Air brake reservoir bleed means. 2,466,836, Apr. 12.
- Bies, Peter H., and F. M. Cruthers, McKeesport, Pa. Fifth wheel lock for trailers. 2,471,854, May 31.
- Bievenouer, Francis L., Rochester, N. Y. Necktie clasp. 2,472,190, June 7.
- Bigelo-Lipstak Corporation, assignee: *See*—
Werner, Nels E.
- Bigelow, Charles A., Houston, Tex. Air resistant brake flap. 2,462,459, Feb. 22.
- Bigelow, Harry K., Columbus, Ohio. Shock-resistant hand truck. 2,480,697, Aug. 30.
- Bigelow, Jonas D., Yonkers, N. Y. Journal box construction. 2,488,162, Nov. 15.
- Bigelow, Jonas D., Yonkers, N. Y. Lubricator for journal boxes. 2,491,602, Dec. 20.
- Bigelow, Roy S., assignor to Goodman Manufacturing Company, Chicago, Ill. Connecting means for shaker conveyor troughs. 2,467,957, Apr. 19.
- Bigelow-Sanford Carpet Co., Inc., assignee: *See*—
Dildilian, Ara T.
- Biggerstaff, Andrew G. Rumson, N. J. Child's table. 2,461,715, Feb. 15.
- Biggins, Edward J., assignee: *See*—
Dietz, Albert E.
- Biggs, Burnard S., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilization of cured polymers. 2,475,002, July 5.
- Biggs, Glenn C., Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Limit switch. 2,466,077, Apr. 5.
- Biggs, Norris W., Cuyahoga Falls, and G. M. Henderson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Mold cleaning apparatus. 2,479,299, Aug. 16.
- Bigham, Robert H., Chicago, Ill. Indicating square. 2,487,844, Nov. 15.
- Bigham, William E., Jr., assignee: *See*—
Brasington, John J. and B. T.
- Bigler, Charles W., Cedar Falls, Iowa. Adjustable weight for golf club heads. 2,460,445, Feb. 1.
- Bigley, William J., Jr., and H. A. Blenkle, New York, N. Y.; said Blenkle assignor to said Bigley, Jr. Releasable suspension apparatus. 2,468,009, Apr. 19.
- Bigwood, John A., Stamford, Conn., assignor to Air Reduction Company, Incorporated. Lightning arrester. 2,480,282, Aug. 30.
- Bigwood, Joshua, & Son, Limited, assignee: *See*—
Picton, John B.
- Bihaly, Lajos, assignor to Trubenised Limited, London, England. Shaped fabric article. 2,460,674, Feb. 1.
- Bihler, Roger: *See*—
Epstein, Seymour, and Bihler.
- Bihn, George J., Fort Recovery, Ohio. Trailer coach spring hitch. 2,463,140, Mar. 1.
- Bilde, Tord E. D.: *See*—
Halldin, Carl O., and Bilde.
- Bilde, Tord E. D., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Apparatus for washing clothes with an oscillatable agitator. 2,491,080, Dec. 13.
- Biles, John L.: *See*—
Hermanson, Donald A., and Biles.
- Bilger, Anson S., San Francisco, Calif. Monorail wheel. 2,488,523, Nov. 22.
- Bilger, Anson S., San Francisco, Calif. Suspended monorail brake. 2,489,740, Nov. 29.
- Bilhuber, E., Inc., assignee: *See*—
Harvill, Edward K., and Herbst.
- Bilisoly, Julius P., Baton Rouge, La., assignor to Standard Oil Development Company. Mixed silica-alumina, silica-magnesia catalyst. 2,459,987, Jan. 25.
- Bill, Robert O., San Leandro, Calif. Semitrailer with body elevating and lowering means. 2,475,443, July 5.
- Billeb, Clyde K., Shorewood, assignor to Milprint, Inc., Milwaukee, Wis. Bagmaking machine. 2,467,879, Apr. 19.
- Billeruds Aktiebolag, assignee: *See*—
Johnsson, John.
- Billet, Philip, and I. Levy, New York, N. Y. Adjustable back or head rest. 2,474,814, July 5.
- Billeter, Henry R., Highland Park, Ill., assignor to Ammco Tools, Inc. Cylinder surfacing tool. 2,465,422, Mar. 29.
- Billeter, Henry R., Highland Park, Ill. Tool-operating attachment. 2,474,720, June 28.
- Billeter, Henry R., Highland Park, Ill., assignor to Ammco Tools, Inc. Signal type torque indicating wrench. 2,486,103, Oct. 25.
- Billeter, Jean R.: *See*—
Miescher, Karl, Heer, and Billeter.
- Billey, Peter R., Plymouth, assignor to Plymouth Cordage Company, North Plymouth, Mass. Driving means for cage wheels and the like. 2,486,513, Nov. 1.
- Billig, Julius: *See*—
Norman, William Z., and Billig.
- Billings, Roy O., Milwaukee, Wis. Excavator. 2,477,401, July 26.
- Billings and Spencer Company, The, assignee: *See*—
Robichaud, Edmund J.
- Billingsley, Loy L., Birmingham, Ala. Necktie holder. 2,479,463, Aug. 16.
- Billman, Richard M., Waynesburg, and H. F. Hotchkiss, East Sparta, Ohio. Hot box indicator. 2,477,571, Aug. 2.

- Billmeyer, Bruce R., assignor to Armstrong Cork Company, Lancaster, Pa. Long draft apron. 2,470,599, May 17.
- Billmeyer, Bruce R., assignor to Armstrong Cork Company, Lancaster, Pa. Making long draft aprons. 2,482,702, Sept. 20.
- Billner, Karl F., Philadelphia, Pa., assignor to Vacuum Concrete Inc. Vacuum mold for molding concrete and the like. 2,474,721, June 28.
- Billner, Karl F., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Handling apparatus. 2,475,073, July 5.
- Billner, Karl F., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Molding prestressed structures. 2,483,175, Sept. 27.
- Bills, Philip H.: *See*—
Logan, Joseph A., and Bills.
- Bilnor Corp., assignee: *See*—
Norman, William Z., and Billig.
- Bilodeau, Joseph J., West Springfield, Mass. Cartridge handling device. 2,487,040, Nov. 8.
- Bilofsky, Maxwell M., assignee: *See*—
Warshner, Adolph.
- Bilofsky, Myers A., Loch Arbour, N. J. Film holder. 2,462,713, Feb. 22.
- Bilt-Rite Baby Carriage Co., Inc., assignee: *See*—
Schwarzbaum, Hartley D.
- Bilyeu, Gerald I., assignor to The Foxboro Company, Foxboro, Mass. Differentiator. 2,461,026, Feb. 8.
- Bilz, John G.: *See*—
Larson, Kenneth R., and Bilz.
- Bindler, Jakob: *See*—
Schwager, Eduard, and Bindler.
- Bindschadler, Ernest: *See*—
Hill, Lawrence R., Bindschadler, and Campbell.
- Binford, Benjamin L., assignor to Magnetrol, Inc., Chicago, Ill. Magnetic control mechanism. 2,467,073, Apr. 12.
- Binford, Benjamin L., assignor to Magnetrol, Inc., Chicago, Ill. Magnetic control device. 2,488,758, Nov. 22.
- Bingaman, William L., Folcroft, Pa. Jig for portable tools. 2,486,386, Nov. 1.
- Bingham Brothers Co., assignee: *See*—
Gay, Frederick C., and E. J.
- Bingham, David W., Brighton, Victoria, Australia. Apparatus for dicing fruit, vegetables, and the like. 2,492,260, Dec. 27.
- Bingham, Loren J., Hot Springs, S. Dak. Mechanical ventilator. 2,480,441, Aug. 30.
- Binkley, Charles H.: *See*—
Ward, Wilfred H., and Binkley.
- Binkley, Stephen B., assignor to Parke, Davis & Company, Detroit, Mich. Injectable penicillin compositions. 2,476,351, July 19.
- Binks Manufacturing Company, assignee: *See*—
Gustafsson, Eric, and Striegel.
- Striegel, Harold L., Gustafsson, and Baur.
- Binneweg, Abraham, Jr., Oakland, Calif. Short-wave adjustable radio tube. 2,467,420, Apr. 19.
- Binney, Eric A., Ickley, assignor to The English Electric Company Limited, London, England. Speed control of dynamoelectric machines. 2,474,647, June 28.
- Binney, Eric A., Ickley, assignor to The English Electric Company Limited, London, England. Dynamoelectric machine. 2,474,648, June 28.
- Binns, Arthur E., Mansfield, Mass. Tack driving device. 2,481,190, Sept. 6.
- Binns, Geoffrey L.: *See*—
Lacey, Charles W. G., and Binns.
- Binns, George W., Cincinnati, and F. S. Haas, Oregonia, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,478,562, Aug. 9.
- Binsack, Joseph W., New Drop, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Carton closing machine. 2,462,460, Feb. 22.
- Binz, Gustave H., Chicago, Ill. Collapsible motor carrier. 2,468,390, Apr. 26.
- Binz, Gustave H., Chicago, Ill., assignor to F. L. Buschhorn, Oklahoma City, Okla. Locking device for outboard motors. 2,479,300, Aug. 16.
- Binz, Gustave H., Maywood, Ill. Collapsible carrier for outboard motors. 2,484,677, Oct. 11.
- Bion, Joseph, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Facsimile communication system. 2,485,556, Oct. 25.
- Biondi, Harry J., Galtersburg, Md. Exterior bomb container. 2,469,363, May 10.
- Bio-Research, Inc., assignee: *See*—
Hazleton, Lloyd W.
- Blotie Research Institute, Inc., assignee: *See*—
Whittingham, Barron S.
- Birchall, Henry J., Shirley, England. Lens of variable focal power having surfaces of involute form. 2,475,275, July 5.
- Bircher, John R., Jr., Columbus, assignor, by mesne assignments, to Interlake Chemical Corporation of Delaware, Cleveland, Ohio. Making an ion-exchange material from light oil acid sludges. 2,485,352, Oct. 18.
- Birchfield, Paul A., Park Ridge, Ill. Thermostatic control valve. 2,475,540, July 5.
- Birchler, Charles F., East Cleveland, and H. E. Weaver, South Euclid, Ohio, assignors to Bailey Meter Company. Control system for electric-steam generators. 2,485,999, Oct. 25.
- Bird, Byron M., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Jigging apparatus and method. 2,487,845, Nov. 15.
- Bird & Company, assignee: *See*—
Benthall, Arthur P.
- Bird Electronic Corporation, assignee: *See*—
Bird, James R.
- Bird, Henry L., and A. Rose, Arlington, Calif. Machine for impaling, feeding, and slicing commodities. 2,489,395, Nov. 20.
- Bird, James R., Chagrin Falls, assignor to Bird Electronic Corporation, Cleveland, Ohio. Switch. 2,473,565, June 21.
- Bird, John L.: *See*—
Halpert, Percy, Frische, Bird, and Esval.
- Bird, John R.: *See*—
Garand, John C., Cooper, Bird, and Miller.
- Bird, John R., Framingham, Mass. Combination mount and shoulder rest. 2,472,804, June 14.
- Bird, Lester F., assignor to Hanovia Chemical and Mfg. Company, Newark, N. J. Wattage controlling system. 2,470,460, May 17.
- Bird, Lester F., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Operating system for vapor arc lamps. 2,482,894, Sept. 27.
- Bird, Lester F., Newark, N. J. Flickerless operation of electric lighting elements. 2,487,092, Nov. 8.
- Bird, Lester F., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Ultraviolet ray intensity meter. 2,490,011, Dec. 6.
- Bird, Miles F., Cushing, Wis. Vacuum jar and bottle combined. 2,462,461, Feb. 22.
- Bird, Paul G., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Acylamino-N-substituted amides. 2,486,249, Oct. 25.
- Bird, Paul G., and A. L. Jacoby, Western Springs, assignors to National Aluminate Corporation, Chicago, Ill. Inhibiting foaming in steam boilers. 2,469,450, May 10.
- Bird, Paul G., and A. L. Jacoby, Western Springs, assignors to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in steam generation. 2,481,899, Sept. 13.
- Bird & Son, Inc., assignee: *See*—
Trepp, Samuel G.
- Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Apparatus for drafting textile fibers. 2,471,056, May 24.
- Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Method and apparatus for drafting textile fibers. 2,471,057, May 24.
- Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Control of textile fibers during drafting operations. 2,471,058, May 24.
- Bird, William C., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Metal-plated plastic brush. 2,471,855, May 31.
- Bird, William G., Bristol, England, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Voltage doubler circuits. 2,463,509, Mar. 8.
- Bird, William R.: *See*—
Kohlbauer, William L., and Bird.
- Birdsall, Charles G., Rocky River, assignor to General Dry Batteries, Inc., Cleveland, Ohio. Dry cell battery. 2,463,454, Mar. 1.
- Birdsboro Steel Foundry & Machine Co., assignee: *See*—
Japikse, Bertrand.
- Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Treatment of vegetable tissue. 2,474,649, June 28.
- Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Treatment of vegetable tissue. 2,474,650, June 28.
- Birdwell, Benjamin F., and C. T. Gordon, assignors to Porcelain Metals Corporation, Louisville, Ky. Shower bath receptor. 2,467,074, Apr. 12.
- Birginal, Sylvester J., Chicago, Ill. Blind stitching means. 2,470,286, May 17.
- Birginal, Sylvester J., Omaha, Nebr. Blind stitching apparatus. 2,470,914, May 24.
- Birk, Gerald H., San Jose, Calif. Tool for installing valve stem guide bushings. 2,488,001, Nov. 15.
- Birk, Paul M., Kenmore, and F. I. Steele, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Sway brace installation. 2,461,406, Feb. 8.
- Birkemeier, Henry P., Chicago, Ill. Valve. 2,464,482, Mar. 15.
- Birkemeier, Henry P., Chicago, and E. B. Tidd, Mount Prospect, assignors to Bell & Gossett Company, Morton Grove, Ill. Pressure relief valve. 2,487,418, Nov. 8.
- Birkenbauer, Robert J., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Centrifugal bucket. 2,475,735, July 12.
- Birkhead, Boswell M., Ola, Ark. Lumber stacking machine. 2,459,358, Jan. 18.
- Birkle, Carol B., Sheboygan, Wis. Diaper holder. 2,471,556, May 31.
- Birks, William, Meriden, Conn. Apparatus for opening sheet metal seam locks. 2,479,200, Aug. 16.
- Birlec Limited, assignee: *See*—
Harris, John.
- Lean, Rodney J.

- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Lubricating system for mechanisms operating at high altitudes. 2,458,763, Jan. 11.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Combustion gas turbine arrangement. 2,473,356, June 14.
- Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Compressed air and combustion gas flow in turbine power plant. 2,477,683, Aug. 2.
- Birmingham, Edward, Albany, Calif. Knitting needle. 2,464,483, Mar. 15.
- Birmingham Small Arms Company, The, Limited, assignee: *See*—
- Perry, Claude A.
- Perry, Claude A., Wackrow, and Urry.
- Birnbaum, Samuel L., Ossining, N. Y. Sanitary catchall drain trap. 2,467,547, Apr. 19.
- Birnberg, Zingel C., Youngstown, Ohio. Golf bag vehicle. 2,467,075, Apr. 12.
- Birnberg, Zingel C., Youngstown, Ohio. Wheeled golf bag carrier. 2,467,076, Apr. 12.
- Biro, Laszlo J., Buenos Aires, Argentina, assignor by mesne assignments, to Eversharp, Inc., Chicago, Ill. Fountain pen. 2,491,082, Feb. 13.
- Biro, Michael B., Long Island City, N. Y. Ampoule opener. 2,466,200, Apr. 5.
- Biro, Michael B., Long Island City, N. Y. Ampoule opener. 2,482,833, Sept. 27.
- Birr, Rudolph, Lombard, assignor to Precision Metal Works, Chicago, Ill. Chair base. 2,466,148, Apr. 5.
- Birr, Rudolph G., Lombard, Ill., assignor, by mesne assignments, to American Linen Supply Co., Carson City, Nev. Stop-controlled drive mechanism for fabric-towel dispensing cabinet. 2,464,782, Mar. 22.
- Birtman Electric Company, assignee: *See*—
- Howard, Frank S.
- Lanter, Clarence W.
- Nelson, Ray M.
- Sparklin, Charles H.
- Spraklin, Charles H.
- Bisch, Alvin, assignee: *See*—
- Parkerson, Donald H., Jr.
- Bischof, Paul, New York, N. Y., assignor of one-half to P. Sussman, Lakewood, N. J. Illuminating writing instrument. 2,467,608, Apr. 19.
- Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Electrical indicating system. 2,492,730, Dec. 27.
- Bishman, Walter A., Minneapolis, Minn. Luggage carrier. 2,488,263, Nov. 15.
- Bischofberger, Carl J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor. 2,487,688, Nov. 8.
- Bischoff, August C., Detroit, Mich. Fishing rod and handle assembly. 2,483,519, Oct. 4.
- Bishop, Arthur E., Chatswood, near Sydney, New South Wales, Australia. Friction device for damping shimmy in caster wheels. 2,482,961, Sept. 27.
- Bishop, Arthur E. J., assignor to National Motor Springs Pty. Limited, Alexandria, near Sydney, New South Wales, Australia. Retractable mounting and locking device for the wheels of aircraft. 2,471,603, May 31.
- Bishop, Benjamin F., Chicago, Ill. Window awning. 2,464,666, Mar. 15.
- Bishop Company, The, assignee: *See*—
- Devoe, Arthur R.
- Bishop, Edward C., Kansas City, Mo. Safety ignition key holder. 2,484,547, Oct. 11.
- Bishop, Eugene T.: *See*—
- Morris, Rupert C., Snider, and Bishop.
- Bishop, Eugene T., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Synthetic elastomers from branch-chain flexadiene copolymers. 2,464,742, Mar. 15.
- Bishop, G. H., Company, assignee: *See*—
- Suhajda, Emil.
- Bishop, Harold S., Scotch Plains, assignor to Bendix Aviation, Teterboro, N. J. Dual or multiple acting hydraulic booster. 2,476,651, July 19.
- Bishop, Howard W., North Hollywood, Calif. Tumbling and agitating machine. 2,476,478, July 19.
- Bishop, Joseph H.: *See*—
- Williamson, Robert, and Bishop.
- Bishop, Le Roy D., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Fuel oil system for feeding a plurality of burners, including emptying unused oil. 2,481,491, Sept. 13.
- Bishop, Lewis, Arcadia, Fla. Hand truck. 2,483,545, Oct. 25.
- Bishop, Lewis H., and J. S. Finn, Burlingame, assignors, by mesne assignments, to W. H. Mead, Oakland, Calif. Surface treating apparatus. 2,483,176, Sept. 27.
- Bishop, Lynn W., assignee: *See*—
- Porcello, Morris F.
- Bishop, Maurice E., Nashville, Tenn. Trailer supported canopy. 2,485,473, Oct. 18.
- Bishop, Nathaniel, Fairfield, Conn., assignor to Time, Inc., New York, N. Y. Pin control for web folding machines. 2,486,703, Nov. 1.
- Bishop, Nathaniel, Fairfield, Conn., assignor to General Electric Company. Pulse echo testing apparatus. 2,489,075, Nov. 22.
- Bishop, Nathaniel, Fairfield, Conn., assignor to General Electric Company. Electronic trigger pulse generator. 2,489,852, Nov. 29.
- Bishop, Richard B.: *See*—
- Budertscher, Darwin E., and Bishop.
- Denton, William I., and Bishop.
- Graves, Orman L., and Bishop.
- Marisic, Milton M., Denton, and Bishop.
- Nygaard, Edwin M., Denton, and Bishop.
- Bishop, Richard B., Haddonfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Separation of nitriles. 2,487,300, Nov. 8.
- Bishop, Richard B., Haddonfield, and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of pyrrole. 2,478,452, Aug. 9.
- Bishop, Richard B., Haddonfield, and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of nitriles. 2,487,298, Nov. 8.
- Bishop, Richard B., Haddonfield, and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Manufacture of nitriles. 2,487,299, Nov. 8.
- Bishop, Richard E., assignee: *See*—
- Battistella, Frank C.
- Bishop, Willard H., Garrettsville, Ohio. Oil seal removing tool. 2,471,557, May 31.
- Bishop, William R., assignor to The F. & N. Lawn Mower Company, Richmond, Ind. Machine for simultaneously applying a plurality of tires on a plurality of wheels. 2,466,569, Apr. 5.
- Bishop, William T., E. J. Lorand, and J. E. Reese, assignors to Hercules Powder Company, Wilmington, Del. Froth flotation of ores with aromatic alcohol. 2,467,369, Apr. 19.
- Bissell, Carl H., and R. F. Lester, assignors to Crouse-Hinds Company, Syracuse, N. Y. Lighting fixture. 2,476,352, July 19.
- Bissell Carpet Sweeper Company, assignee: *See*—
- Pullen, Fred W.
- Bissell, Frederick E., Jr., and H. A. Muir, assignors to Carr, Adams & Collier Company, Dubuque, Iowa. Cabinet front frame. 2,463,238, Mar. 1.
- Bisset Industries Limited, assignee: *See*—
- Lees-Andrews, Robert S.
- Bissett, Norman T., Reading, and N. C. Moore, Haverhill, Mass., assignors to Western Electric Company, Incorporated, New York, N. Y. Strap cutting tool. 2,459,864, Jan. 25.
- Bissonnette, Eugene, Montreal, Quebec, Canada. Shears. 2,490,012, Dec. 6.
- Bistoff, Frederick L., Lockport, N. Y. Safety for firearms. 2,478,892, Aug. 16.
- Bisantz, Fred, and A. H. Ruth, assignors to Hercules Steel Products Corporation, Galion, Ohio. Loading attachment for trucks. 2,488,657, Nov. 22.
- Bitler, William: *See*—
- Nicholl, Leonard, Bitler and Aschner.
- Bitler, William P., and P. Tarsio, Haverstraw, and L. Nicholl, Nyack, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Carbalkoxylation of organic compounds. 2,478,997, Aug. 16.
- Bitner, Ralph E., Roslyn, N. Y. Partial products mechanism. 2,473,466, June 14.
- Bitner, Robert J., assignor to Gasket Engineering Co., Inc., Kansas City, Mo. Multiple crystal holder. 2,470,133, May 17.
- Bitner, Robert J., assignor to Gasket Engineering Co., Inc., Kansas City, Mo. Temperature controlled oven for dual quartz crystals. 2,470,134, May 17.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Rack assembly for refrigerators, ovens, and the like. 2,466,360, Apr. 5.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Pallet or skid for lifting trucks or the like. 2,474,460, June 28.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Material handling pallet or skid for lifting trucks and the like. 2,475,370, July 5.
- Bittel, John A.: *See*—
- Hart, Richard C., and Bittel.
- Bituminous Coal Research, Inc., assignee: *See*—
- Yellott, John I.
- Bitzer, Edmund C., Golden, assignor to Colorado Iron Works Company, Denver, Colo. Hindered settling classification. 2,460,801, Feb. 8.
- Bitzer, Edmund C., Golden, assignor to Colorado Iron Works Company, Denver, Colo. Starting a fine heavy media separation plant. 2,460,802, Feb. 8.
- Bitzer, Martin, Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Silent suction motor. 2,484,548, Oct. 11.
- Bivens, George H., Johnstown, Pa. Ingot mold cleaner. 2,469,148, May 3.
- Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric timer. 2,473,237, June 14.
- Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuits. 2,473,238, June 14.

- Bixby, Guy T., Dayton, Ohio. Spring clip fabric ammunition belt. 2,457,803, Jan. 4.
- Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulator. 2,466,874, Apr. 12.
- Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulator. 2,486,250, Oct. 25.
- Bjarnason, Bjarnal S., assignor to H. T. F. Lundberg, Toronto, Ontario, Canada. Intensity, intensity ratio, and phase difference measuring system for geophysical prospecting. 2,481,492, Sept. 13.
- Bjontegard, Arthur M., Marblehead, Mass., assignor to General Electric Company. Photoelectric controlled luminaire. 2,489,076, Nov. 22.
- Bjork, Albin A., Ashland, Wis. Carrier applied to car tops. 2,480,353, Aug. 30.
- Bjork, Carol F., Long, Md., assignor to the United States of America as represented by the Secretary of War. Trap wire igniter. 2,492,835, Dec. 27.
- Bjork, Carol F., Luke, Md., and J. M. Woods, Madison, Wis., assignors to the United States of America as represented by the Secretary of War. Rocket projectile. 2,479,718, Aug. 23.
- Bjorklund, Arvid, Minneapolis, Minn. Garbage cutting and flushing device. 2,468,613, Apr. 26.
- Bjorkman, Axel K., Waukegan, Ill. Physiotherapy apparatus. 2,481,564, Sept. 13.
- Bjorksten, Johan, Chicago, and T. C. Crowley, Plainfield, Ill., assignors to Bee Chemical Company. A coolant for metal machining processes. 2,470,913, May 24.
- Bjornskas, Ole, Duluth, Minn. Portable foldable seat. 2,466,361, Apr. 5.
- Bjornstjerna, Curt R. A. M., assignor to Aktiebolaget Separator, Stockholm, Sweden. Purifying used oils. 2,459,409, Jan. 18.
- Bjorson, Philip A., Warren, Ohio. Tie and collar support. 2,480,698, Aug. 30.
- Blachere, Emile G., Hussein-Dey, Algiers, Algeria. Vintage destemming and pressing machine. 2,478,651, Aug. 9.
- Black, Arthur F., Charlotte, N. C., assignor, by mesne assignments, to Jefferson Island Salt Company, Louisville, Ky. Apparatus for dissolving soluble solids. 2,468,162, Apr. 26.
- Black, Auguste M., Rahway, and J. F. Mahoney, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Theophylline-ethylenediamine compound and preparing same. 2,481,715, Sept. 13.
- Black, Charles R. H., Detroit, Mich. Furnace dust and smoke collector. 2,487,689, Nov. 8.
- Black-Clawson Company, The, assignee: See—
Staeger, Stephen A.
- Black & Decker Manufacturing Company, The, assignee: See—
Wilhide, Glenn C.
- Black & Decker Manufacturing Company, The, assignee: See—
Baker, James N.
Wilhide, Glenn C.
- Black, Eric A., Red Bank, N. J. Anchorage. 2,468,729, May 3.
- Black, Eric A., Red Bank, N. J. Tensiometer. 2,490,773, Dec. 13.
- Black, Fred A., Wichita Falls, assignor of one-half to L. M. Black, Rockport, Tex. Body manipulation apparatus. 2,475,003, July 5.
- Black, Freeman C., Los Angeles, Calif. Lens testing device. 2,481,716, Sept. 13.
- Black, Goss K., and W. S. Bosley, Indianapolis, Ind. Perspective aid device. 2,487,690, Nov. 8.
- Black, Harold E.: See—
Funk, Ernest R., Jr., and Black.
- Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Increasing the aromaticity of hydrocarbon oil. 2,474,213, June 28.
- Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of zinc aluminate spinel catalyst. 2,474,214, June 28.
- Black, James H., Clarke County, Ohio. Air-borne particle collector and estimating the solids in air strata. 2,468,021, Apr. 26.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body side wall construction. 2,459,765, Jan. 18.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body construction. 2,459,766, Jan. 18.
- Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Braking system for tractor-trailer combinations. 2,489,117, Nov. 22.
- Black, John B., Glen Arm, Md., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic manifold pressure regulator. 2,476,652, July 19.
- Black, John E., Atlanta, Ga., dedicated to the free use of the people in the territory of the United States. Fire line plow. 2,482,456, Sept. 20.
- Black, Leonard J., Hawthorne, Calif. Baby vehicle. 2,482,827, Sept. 27.
- Black, Lewis M., assignee: See—
Black, Fred A.
- Black, Lloyd V., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Manufacturing glass. 2,470,461, May 17.
- Black, Nolan S., Highland Park, Mich., assignor to National Steel Corporation. Building roof construction. 2,480,699, Aug. 30.
- Black, Robert A., assignee: See—
Murray, Victor E.
- Black, Samuel A., Chicago, Ill. Portable oarlock. 2,461,256, Feb. 8.
- Black, Sivalis & Bryson, Inc., assignee: See—
Kimmell, Garman O.
Olson, J. H. L.
Raymond, Gwynne.
- Black, William A., Chagrin Falls, assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for and method of induction heating. 2,475,348, July 5.
- Blackburn Aircraft Limited, assignee: See—
Campbell, Thomas C., and Hall.
- Blackburn, Billee O.: See—
Hatch, Lewis F., Adelson, and Blackburn.
- Blackburn, Clifford L., Grand Rapids, Mich. Front wheel and steering apparatus for wagons. 2,470,971, May 24.
- Blackburn and General Aircraft Limited, assignee: See—
Hand, Percy G. E., and Proctor.
- Blackburn, John L.: See—
Goldsborough, Shirley L., and Blackburn.
- Blackburn, Luther A., Lynwood, Calif. Chain support. 2,472,461, June 7.
- Blackburn, Richard K., East Hartford, assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn. Apparatus for determining resonant frequency of piezoelectric quartz crystal blanks. 2,476,954, July 26.
- Blackburn, Virgil A.: See—
Schalbach, Alvin J., and Blackburn.
- Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Eliminating porosity in crystalline selenium films. 2,462,157, Feb. 22.
- Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,476,800, July 19.
- Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,484,204, Oct. 11.
- Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,488,369, Nov. 15.
- Blackburn, Wayne E., Hollywood, Calif., and A. R. Apodaca, Luz Savinon, Mexico, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,479,301, Aug. 16.
- Blackhall, James M.: See—
Reid, Alexander C., and Blackhall.
- Blackhawk Mfg. Co., assignee: See—
Killus, William.
Mandl, Siegmund.
Mandl, Siegmund, and Pfauers.
- Blackinton, James G., Flint, assignor of one-half to D. G. B. Hill, Corunna, Mich. Building block. 2,472,363, June 7.
- Blackman, Ralph B., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical differentiator for smoothing target tracking data. 2,476,269, July 19.
- Blackman, Seymour N., Teaneck, and H. Rosenblum, Rahway, assignors to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Nebulizer. 2,485,184, Oct. 18.
- Blackmer and Post Pipe Company, assignee: See—
Loelkes, George L.
- Blackstone & Company Limited, assignee: See—
Hallewell, George.
- Blackstone, George: See—
Buzzell, Dow A., and Blackstone.
- Blackwelder, Horace L., Salisbury, N. C. Space heater. 2,469,149, May 3.
- Blackwell, John B., San Antonio, Tex. Coil for weed burners and pear burners. 2,473,192, June 14.
- Blackwell, Preston J., Emerson, N. J., assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Egg candling booth. 2,470,462, May 17.
- Blackwell, Wilfred E., Mexico, Mo. Portable electric steam table. 2,481,384, Sept. 6.
- Blackwood, Albert J., Westfield, N. J., assignor to Standard Oil Development Company. Generating power. 2,478,682, Aug. 9.
- Blaha, Emil, Cheltenham, assignor to Selas Corporation of America, Philadelphia, Pa. Firing the chambers of kilns. 2,474,301, June 28.
- Blaha, Emil, Philadelphia, Pa., assignor to Selas Corporation of America. Refractory composition and making. 2,465,672, Mar. 29.
- Blaha, Stephen J., De Kalb, assignor to The Englander Company, Inc., Chicago, Ill. Bed spring. 2,484,872, Oct. 18.
- Blahut, Edwin R., Hackensack, N. J., assignor to Air Reduction Company, Incorporated. Gas torch. 2,480,283, Aug. 30.
- Blake, Ivan C., L. H. Harriss, and J. B. Mullen, Elgin, assignors to Burgess Battery Company, Freeport, Ill. Deferred action battery. 2,491,640, Dec. 20.

- Blake, William F., Chicago, Ill. Agitator for washing machines. 2,490,942, Dec. 13.
- Blaine, Robert P.: *See*—
Held, Fred J., Jr., and Blaine.
- Blair, Allen H., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Controlling a fractionating column. 2,489,949, Nov. 29.
- Blair, Charles M., Jr., Webster Groves, and W. F. Gross, Glencoe, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Preventing corrosion and corrosion inhibitors. 2,466,517, Apr. 5.
- Blair, Charles M., Jr., Webster Groves, and W. F. Gross, Glencoe, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Preventing corrosion and corrosion inhibitor. 2,466,530, Apr. 5.
- Blair, Charles M., Jr., Webster Groves, and W. F. Gross, Glencoe, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Preventing corrosion and corrosion inhibitors. 2,468,163, Apr. 26.
- Blair, Craig A., Hackettstown, N. J., assignor to "X" Laboratories, Inc., New York, N. Y. Leak-stopping compositions. 2,471,856, May 31.
- Blair, George W., Mishawaka, Ind., and V. H. Bodle, Los Angeles, Calif., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Making laminated cushion material. 2,480,316, Aug. 30.
- Blair, Hosea, San Francisco, Calif. Tilting tripod head. 2,481,717, Sept. 13.
- Blair Manufacturing Company, assignee: *See*—
Wells, F. Warren.
- Blake, Cecil J., Hudson, Mass. Counter stiffener for shoes. 2,483,520, Oct. 4.
- Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving rubber. 2,469,101, May 3.
- Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber. 2,470,545, May 17.
- Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Hydroxy alkyl thio succinic acids and esters. 2,477,327, July 26.
- Blake, Harry D., Roxbury, Mass. Internal larder. 2,489,556, Nov. 29.
- Blake, Joseph R.: *See*—
Strid, Carl J., and Blake.
- Blake, Marion E., and R. A. Gartman, Fairhope, Ala. Oilcan with drip catcher having a weight operated return valve. 2,459,215, Jan. 18.
- Blake, Marion E., and R. A. Gartman, Jackson, Ala., assignors to Vanity Fair Mills, Inc. Yarn feed and control mechanism. 2,476,274, July 19.
- Blake, Norman B., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Harmonic generator. 2,479,551, Aug. 23.
- Blake, Robert E., W. L. Thomas, and P. Grange, Mason City, Iowa. Drying and dehumidifying means for corncribs and the like. 2,466,362, Apr. 5.
- Blake, Robert E., P. Grange, and W. L. Thomas, assignors to Northco Insulating and Ventilating Co., Mason City, Iowa. Droppings catcher. 2,484,927, Oct. 18.
- Blake, Robert E., P. Grange, and W. L. Thomas, assignors to Northco Insulating and Ventilating Co., Mason City, Iowa. Building ventilator having air inlets and outlets. 2,489,515, Nov. 29.
- Blake, Samuel: *See*—
Cohen, Jacob, and Blake.
- Blake, William O., Newport, Wash. Toy machine gun. 2,473,272, June 14.
- Blampain, Henri, assignor to S. Goldberg, Paris, France. Alarm clock and like apparatus. 2,460,486, Feb. 1.
- Blanc, Jacques J. L., Paris, France. Gas turbine. 2,477,954, Aug. 2.
- Blanc, Stewart S., San Francisco, Calif. Newspaper vending machine. 2,488,897, Nov. 22.
- Blanch, Charles C.: *See*—
Rogers, Robert W., and Blanch.
- Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work gauge in fastening inserting machines. 2,480,898, Sept. 6.
- Blanchard, Benjamin W., Jr., Pine Hill, N. J. Electromagnetic receptacle for lamps. 2,458,138, Jan. 4.
- Blanchard, Charles E., Randolph, and A. W. Ferre, Wellesley, Mass., assignors, by mesne assignments, to Westinghouse Electric Corporation. Dusting apparatus. 2,458,674, Jan. 11.
- Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Fabricated bobbin releaser for weft replenishing looms. 2,484,399, Oct. 11.
- Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom side and frame construction. 2,489,557, Nov. 29.
- Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector rod for looms. 2,490,403, Dec. 6.
- Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism and picker stick therefor. 2,491,083, Dec. 13.
- Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 2,491,916, Dec. 20.
- Blanchette, Hilaire, St. Simon de Drummond, Quebec, Canada. Air suction clutch. 2,483,521, Oct. 4.
- Blanco, Elias: *See*—
Evans, William I., and Blanco.
- Bland, John, Pacific Palisades, Calif. Method of and apparatus for simultaneous impact crushing of separate streams of sized rock. 2,468,321, Apr. 26.
- Bland, Rophie E., New York, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Moving bed hydrocarbon conversion system. 2,490,774, Dec. 13.
- Blandford, Joseph H.: *See*—
Leonard, Alfred H., and Blandford.
- Blanding, Joseph E., New London, assignor of one-half to P. B. McNamara, Groton, Conn. Control device for valves. 2,467,461, Apr. 19.
- Blank, Frederick, New York, N. Y. Medical vial stopper for insuring sterile needle punctures. 2,459,304, Jan. 13.
- Blank, Ronald G., Robbinsdale, Minn. Garbage can and cover keeper. 2,471,257, May 24.
- Blankenship, Floyd T., Lakewood, Colo. Tail gate for vehicles. 2,485,546, Oct. 25.
- Blankinship, Arthur M.: *See*—
Blicker, Meyer, and Blankinship.
- Blankmeyer, Wallace H., Butte, Mont. Time delay electrical relay system. 2,482,397, Sept. 20.
- Blanton, Albert, Wallins Creek, O. H. Howard, Harlan, and E. B. Howard, Loyall, Ky. Rifle. 2,482,398, Sept. 20.
- Blanton, Alonzo L., Orange, Tex. Adjustable reel to hold yarn or thread. 2,476,176, July 12.
- Blanton, William B.: *See*—
Light, George G., and Blanton.
- Blasak, Frank, New York, N. Y. Gasket cutter. 2,477,572, Aug. 2.
- Blasier, John, Seattle, Wash. Sanitary tray stand. 2,463,081, Mar. 1.
- Blatt, Arthur, Detroit, Mich. Oil cooling system. 2,487,215, Nov. 8.
- Blatt, Leland F., Detroit, Mich. Adjustable drill guide and pilot. 2,461,716, Feb. 15.
- Blatter, Hans: *See*—
Keller, Hans, Blatter, and Imobersteg.
- Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making electrical contacting elements. 2,458,552, Jan. 11.
- Blattner, Emil H.: *See*—
Barrows, Donald S., and Blattner.
- Blatz, Hanson, and E. L. Anderson, assignors to Ritter Company, Inc., Rochester, N. Y. X-ray machine shutter control mechanism. 2,491,031, Dec. 20.
- Blau, James B., Brooklyn, N. Y. Anticlogging device for roof drains. 2,485,547, Oct. 25.
- Blau, Marietta, assignor to International Rare Metals Refinery, Inc., New York, N. Y. Ionizing means and ionization. 2,457,973, Jan. 4.
- Blau, Marietta, New York, and J. R. Carlin, Brooklyn, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Area measuring device and method. 2,462,351, Feb. 22.
- Blau, Marietta, and I. Feuer, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Apparatus and method for measuring movement of a body. 2,487,216, Nov. 8.
- Blaw-Knox Company, assignee: *See*—
Barnebey, Herbert L., and Shields, Feldmeier, Frank.
- Loxterman, Henry R.
- Olson, Arne O. B.
- Pottmeyer, Edward W.
- Sarosdy, Louis J.
- Shields, James R., and Barnebey.
- Smith, Allen S.
- Thomas, William A.
- West, Carl H.
- Blaydes, Frederick T., and J. L. Bauman, Canton, Ill., assignors to International Harvester Company. Agricultural implement. 2,491,153, Dec. 13.
- Blazek, Joseph W., New York, N. Y., assignor of one-half to M. R. Blazek, Cleveland, Ohio. Protective package. 2,467,421, Apr. 19.
- Blazek, Mary R., assignee: *See*—
Blazek, Joseph W.
- Blazey, Lawrence E., Bay Village, assignor to Designers for Industry, Inc., Cleveland, Ohio. Shelf support. 2,486,548, Nov. 1.
- Blazey, Lawrence E., Bay Village, Ohio, assignor, by mesne assignments, to Office Furniture & Fixtures, Inc., Washington, D. C. Adjustable back rest. 2,491,154, Dec. 13.
- Blazi, George C., Fort Worth, Tex. Kite. 2,476,801, July 19.
- Bleasdale, William J., assignee: *See*—
Pasturczak, Harry S.
- Bleakney, William M., L. F. Zielinski, and C. M. Ede, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Flutter damper. 2,471,857, May 31.
- Blech, Henry, assignee: *See*—
Skala, Ljubomir W.
- Blechman, Irving, New York, N. Y. Adjustable joint for garment stretchers. 2,464,484, Mar. 15.

- Bledsoe, William E., Jr., assignor to Badger Carton Co., Milwaukee, Wis. Electric motor. 2,473,049, June 14.
- Bleeksma, Jan, Mount Vernon, assignor, by mesne assignments, to Phillips Laboratories, Inc., Irvington-on-Hudson, N. Y. Geiger-Muller counter. 2,479,201, Aug. 16.
- Bleier, Arthur, Sunnyside, and L. Altman, New York, N. Y.; said Bleier assignor to said Altman. Self-feeding paint roller device. 2,485,428, Oct. 18.
- Blenkle, Herbert A.: *See*—
Bigley, William J., Jr., and Blenkle.
- Blessing, Charles R., Oakland, Calif., assignor to Blessing Packaging Company. Garment packaging device. 2,479,552, Aug. 23.
- Blessing, Harry A., assignee: *See*—
Liebmann, August G.
- Blessing Packaging Company, assignee: *See*—
Blessing, Charles B.
- Bletso, Bruce N., East Cleveland, and W. Thompson, Cleveland Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Rotary screening drum for nail cleaning apparatus. 2,461,366, Feb. 8.
- Blewitt, David C.: *See*—
Cumming, James M., and Blewitt.
- Blewitt, Guy C.: *See*—
Wyckoff, Ralph D., Molnar, Palmer, and Blewitt.
- Blewitt, John P., Albany, N. Y., assignor to General Electric Company. Square voltage wave generator. 2,467,184, Apr. 12.
- Blewitt, John P., East Patchogue, N. Y., assignor to General Electric Company. Electron injection apparatus. 2,484,549, Oct. 11.
- Blewitt, John P., Schenectady, N. Y., assignor to General Electric Company. Accelerating apparatus for charged particles. 2,465,786, Mar. 29.
- Blewitt, John P., Schenectady, N. Y., assignor to General Electric Company. Phase comparator. 2,467,361, Apr. 12.
- Blewitt, John P., and R. V. Langmuir, Schenectady, N. Y., assignors to General Electric Company. Magnetron. 2,460,119, Jan. 25.
- Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Basic-alkyl esters and their salts. 2,474,651, June 28.
- Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Basic-alkyl esters and their salts. 2,489,950, Nov. 29.
- Blickenstorfer, Albert, assignor to Grob & Co., Aktiengesellschaft, Horgen, Switzerland. Heald shaft for looms. 2,482,149, Sept. 20.
- Blicker, Meyer, Minneapolis, and A. M. Blankinship, St. Paul, Minn. Aerating device for minnow buckets and the like. 2,466,570, Apr. 5.
- Bliker, Walter E., North Attleboro, Mass. Clasp attached necktie fastener. 2,465,787, Mar. 29.
- Bliler, Albert W.: *See*—
Pentecost, Horace T., Bliler, Nicholls, and Archer.
- Bliley Electric Company, assignee: *See*—
Wolfskill, John M.
- Blind, Karl A., Thiensville, assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic welder's ground clamp. 2,489,475, Nov. 29.
- Blinoff, Vsevolod: *See*—
Bert, Léonce, Procoffeff, and Blinoff.
- Blinoff, Vsevolod, Paris, assignor to Societe Anonyme d'Innovations Chimiques dite: Sinnova ou Sadic, Meaux-Beauval, France. Producing higher molecular alcohols. 2,460,969, Feb. 8.
- Blish, Morris J., Toledo, Ohio, assignor to International Minerals and Chemical Corporation. Producing amino carboxylic acids. 2,487,784, Nov. 15.
- Blish, Morris J., Toledo, Ohio, assignor to International Minerals & Chemical Corporation. Production of glutamic acid. 2,487,785, Nov. 15.
- Bliss, Albert, Providence, R. I. Adjustable strap and tongue buckle for use therewith. 2,467,006, Apr. 12.
- Bliss, E. W., Company, assignee: *See*—
Muller, Jules.
- Williamson, Larkin R.
- Bliss, George L., Yardley, Pa., assignor to The American Steel and Wire Company of New Jersey. Extensible tractor ram. 2,477,167, July 26.
- Bliss, Harry G., Herkimer, N. Y. Surgical needle. 2,479,464, Aug. 16.
- Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Variator. 2,476,275, July 19.
- Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Transfer mechanism for counters. 2,483,359, Sept. 27.
- Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Pulse type telegraph receiver. 2,457,974, Jan. 4.
- Bliss, Warren H., Princeton, N. J., assignor to Radio Corporation of America. Trigger circuit drive. 2,478,683, Aug. 9.
- Bliss, Warren H., Princeton, N. J., assignor to Radio Corporation of America. Stabilized oscillation generator. 2,490,404, Dec. 6.
- Bliss, William H., Natchitoches, La. Pan-tilt tripod head. 2,469,063, May 3.
- Blitz, Daniel: *See*—
Sanders, Jr., Royden C., and Blitz.
- Shankweiler, Ray G., and Blitz.
- Blitz, Daniel, Newtonville, Mass., assignor to Radio Corporation of America. Radio bomb release system. 2,466,531, Apr. 5.
- Blitz, Daniel, Newtonville, Mass., assignor to Radio Corporation of America. Standing wave detector and indicator system. 2,472,785, June 14.
- Blizard, John: *See*—
Frish, Martin, and Blizard.
- Bloch, Godfrey, New York, N. Y. Yarn and fabric. 2,465,996, Apr. 5.
- Bloch, Herman S., Chicago, and G. L. Hervert, Berwyn, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons containing neutral organic sulfate. 2,458,049, Jan. 4.
- Bloch, Herman S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Dienophilic adduct resin intermediate. 2,467,958, Apr. 19.
- Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Production of drying oils. 2,476,955, July 26.
- Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen fluoride sludge decomposition process. 2,477,038, July 26.
- Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,490,853, Dec. 13.
- Bloch, Leon, Cleveland, Ohio. Waste fitting. 2,464,018, Mar. 8.
- Bloch, Rudolf, Jerusalem, K. Goldschmidt, Tel Aviv, I. Schnerb, and P. Goldschmidt, Jerusalem, Palestine. Bleaching of cellulosic matter. 2,461,105, Feb. 8.
- Block, David, Philadelphia, Pa. Bracelet clasp. 2,471,300, May 24.
- Block, Emil V., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Bending frames pivotally connected by stretch producing hinges. 2,474,652, June 28.
- Block, Richard J., Scarsdale, N. Y., assignor to C. M. Armstrong, Inc. Amino acid separation. 2,462,597, Feb. 22.
- Block, Richard J., Scarsdale, and H. W. Howard, Irvington, assignors to The Borden Company, New York, N. Y. Purifying casein. 2,468,730, May 3.
- Block, Richard J., Scarsdale, N. Y., and H. N. Brocklesby and N. I. Rogers, Waterloo, Iowa, assignors to The Borden Company, New York, N. Y. Fish egg proteins and preparing same. 2,492,518, Dec. 27.
- Block, Seymour S., Louisville, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Microbial fermentation of acid hydrolyzed carbohydrate mash. 2,474,139, June 21.
- Blocker, William B.: *See*—
Anthony, David S., and Blocker.
- Blockman, Albert F.: *See*—
De Waard, Russell D., Stryker, and Blockman.
- Blockson Chemical Co., assignee: *See*—
King, Charles S.
- Metzger, Max.
- Blodgett, Richard, Chicago, Ill. Rotatable disk, perpetual calendar with interlaced spiral formations. 2,462,598, Feb. 22.
- Blodgett, Ward B., Los Angeles, Calif. Record holder. 2,489,476, Nov. 29.
- Blodgett, Edward D., Haddonfield, N. J., assignor to Radio Corporation of America. Radio direction finding. 2,475,004, July 5.
- Bloecher, John, Baltimore, Md. Meat holder to facilitate carving. 2,464,114, Mar. 8.
- Blok, Henri, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiver input circuit. 2,470,882, May 24.
- Blok, Henri, and H. A. Broos, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Band-spread tuning circuit for radio receivers. 2,492,519, Dec. 27.
- Blok, Lourens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for balancing potential fluctuations. 2,466,299, Apr. 5.
- Blok, Lourens, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Audiometer. 2,481,900, Sept. 13.
- Blok, Lourens, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Audiometer. 2,481,973, Sept. 13.
- Blok, Lourens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency analyzer. 2,483,311, Sept. 27.
- Blok, Lourens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Harmonic generator. 2,484,372, Oct. 11.
- Blomquist, Alfred T., and F. T. Fiedorek, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Preparation of nitroalkyl nitramines. 2,481,283, Sept. 6.
- Blomquist, Alfred T., and F. T. Fiedorek, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Nitramines. 2,485,855, Oct. 25.

- Blomquist, John H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Starting of synthetic yarn spinning. 2,474,885, July 5.
- Blomquist, Reinhold F.: *See*—
Werthmann, Florian J., Collar, and Blomquist.
- Blondelle, Abel L. C., Sartouville, assignor to Societe Entreprises Metropolitaines & Coloniales, S. A., Paris, France. System for laying or removing railway tracks. 2,458,050, Jan. 4.
- Blood, Ainsworth B., executor: *See*—
Jonkhoff, Henri W.
- Blood, Ainsworth B., executor, et al.: *See*—
Jonkhoff, Henri W.
- Blood, Walter R., Rugby, England, assignor to General Electric Company. Thermal responsive electric switch. 2,488,701, Nov. 22.
- Bloodworth, Thomas H.: *See*—
Montgomery, Terryl B., and Bloodworth.
- Bloom, Frederick K., Baltimore, Md., assignor, by mesne assignments, to Armo Steel Corporation. Weld and weld rod. 2,481,385, Sept. 6.
- Bloom, Frederick K., Baltimore, Md., assignor, by mesne assignments, to Armo Steel Corporation. Weld and weld rod. 2,481,386, Sept. 6.
- Bloom, Frederick S., Pittsburgh, Pa. Cover-type furnace with open-flame burner and depending baffle for directing and spreading flame. 2,491,704, Dec. 20.
- Bloom, Frederick S., Mount Lebanon Township, Allegheny County, Pa. Open-hearth furnace. 2,491,705, Dec. 20.
- Bloom, Gertrude and I., New York, N. Y. Spring clasp for holding gloves. 2,490,405, Dec. 6.
- Bloom, Israel: *See*—
Bloom, Gertrude and I.
- Bloom, Lawrence A., assignee: *See*—
Reetz, Conrad C. A.
- Bloom, Merle W., Maywood, Ill., and P. A. Whisler, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Forage harvester knife sharpener. 2,476,177, July 12.
- Bloom, Mortimer C., Newton Highlands, Mass., assignor, by mesne assignments, to Federal Telephone and Radio Corporation, New York, N. Y. Metal rectifier bridge. 2,459,787, Jan. 25.
- Bloom, Oscar T., Chicago, Ill., and R. C. Wanty, Ypsilanti, Mich., assignors to Swift & Company, Chicago, Ill. Tenderness testing machine. 2,481,467, Sept. 6.
- Bloom, Samuel, Brooklyn, N. Y. Shoulder pad. 2,459,489, Jan. 18.
- Bloomer Bros. Company, assignee: *See*—
Inman, William H.
- Bloomfield, John J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Brake cooling means. 2,471,858, May 31.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, Kansas City, Mo., as trustee. Waste container. 2,465,839, Mar. 29.
- Bloomfield, Samuel, Wichita, Kans., and R. S. Wallach, Madison, N. J., assignors to C. E. Hovey, Kansas City, Mo., as trustee. Closure appliance. 2,481,284, Sept. 6.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, Kansas City, Mo., as trustee. Nut cracker with rack and pawl adjusting means. 2,490,615, Dec. 6.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, Kansas City, Mo., as trustee. Doorstop. 2,491,246, Dec. 13.
- Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, Kansas City, Mo., trustee. Door check. 2,492,032, Dec. 20.
- Bloomington Manufacturing and Engineering Co., Inc., assignee: *See*—
Trimble, Roy L.
- Blomquist, Donald W., Chicago, Ill. Collet chuck. 2,458,889, Jan. 11.
- Bloser, Bernard D.: *See*—
Egenolf, Jacob F., and Bloser.
- Bloss, C. H., Corporation, assignee: *See*—
Bloss, Clarence H.
- Bloss, Clarence H., assignor, by mesne assignments, to C. H. Bloss Corporation, Chicago, Ill. Beverage composition. 2,476,581, July 19.
- Bloss, Richard R., and A. R. McLerran, Beaumont, Tex., assignors to International Derrick & Equipment Company, Columbus, Ohio. Rotary swivel for drilling rigs. 2,472,061, June 7.
- Blossom Products Corporation, assignee: *See*—
Smicker, Emma A.
- Blott, John F. T., Worcester Park, England, assignor to Shell Development Company, San Francisco, Calif. Composition suitable for the construction of roads, paths, floors, aerodrome runways, and the like. 2,473,326, June 14.
- Blount, Edgar R., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Bobbin holder. 2,469,590, May 10.
- Bludworth, Joseph E., M. O. Robeson, and H. A. Truby, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America. Electrolytic production of allyl alcohol. 2,462,301, Feb. 22.
- Bludworth, Joseph E., and F. C. Pearson, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America. Oxidation reaction. 2,462,938, Mar. 1.
- Bludworth, Joseph E., Corpus Christi, Tex., and C. Hutson, Cumberland, Md., assignors to Celanese Corporation of America. Dry spinning apparatus and method for the production of artificial filaments. 2,463,676, Mar. 8.
- Bludworth, Joseph E., Corpus Christi, Tex., and C. Hutson, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus for the production of artificial filaments. 2,482,834, Sept. 27.
- Blue, John, assignor to John Blue Company, Lauringburg, N. C. Seed planter. 2,468,023, Apr. 26.
- Blue, John, Company, assignee: *See*—
Blue, John.
- Blue, Richard W., Bartlesville, Okla., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of silica zirconia gel. 2,481,493, Sept. 13.
- Blue, Robert D., R. M. Hunter, and M. P. Neipert, assignors to The Dow Chemical Company, Midland, Mich. Electrolytic apparatus for producing magnesium. 2,468,022, Apr. 26.
- Blue Ridge Glass Corporation, assignee: *See*—
Glynn, Theodore W.
- Glynn, Theodore W., and Venable.
- Blum, Felix, assignee: *See*—
Damenstein, Rosalie (N).
- Blum, Herman: *See*—
Praeger, Charles W., Blum, and Jochimsen.
- Blum, Hosmer L., assignor to Bowser, Inc., Fort Wayne, Ind. Remote-control apparatus. 2,461,407, Feb. 8.
- Bluma, Rene: *See*—
Delorme, Jean, and Bluma.
- Bluma, René, Asnieres, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey Paris, France. Producing pellicles. 2,468,585, Apr. 26.
- Bluman, John E.: *See*—
Guerdan, Dikran A., and Bluman.
- Blumberg, Hamilton G., and E. M. Stevens, San Antonio, Tex. Water heating type fuel conditioner. 2,458,826, Jan. 11.
- Blumberg, Hamilton G., and E. M. Stevens, San Antonio, Tex. Steam and vapor injector. 2,489,745, Nov. 29.
- Blume, Frank J., Chicago, Ill. Multiple belt conveyer system. 2,472,805, June 14.
- Blume, Herbert E., Tripoli, Iowa. Adjustable walking aid. 2,474,722, June 28.
- Blume, John W., Hammond, Ind. Crucifix holder. 2,468,651, Apr. 26.
- Blume, Louis F., and S. Minneci, Pittsfield, Mass., assignors to General Electric Company. Tap changing system. 2,492,350, Dec. 27.
- Blumenfeld, Abe, assignee: *See*—
Switzer, George W.
- Blumensadt, Evend G.: *See*—
Neely, William H., and Blumensadt.
- Blumenstein, Max E., Hyattsville, Md. Reticule for telescopes. 2,463,739, Mar. 8.
- Blumenstock, Albert G., South Orange, N. J. Bed table and bookholder. 2,485,135, Oct. 18.
- Blumer, Manuel, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Heat stabilization of petroleum mahogany sulfonates. 2,486,373, Nov. 1.
- Blumer, Opha F., Moravia, Iowa. Ceiling suspended, elevatable table. 2,484,678, Oct. 11.
- Blumlein, Alan D., deceased, Ealing, London, W. 5, England, by D. Walker, legal representative, Lanherne Lescudjack, Penzance, England, assignor to Electric and Musical Industries, Limited. Electrical network for forming and shaping electrical waves. 2,465,840, Mar. 29.
- Blumlein, Alan D., deceased, Ealing, London, by D. Blumlein, executrix, Lescudjack, Penzance, Cornwall, and W. H. Connell, Hillingdon, and D. G. Holloway, Maidenhead, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Self-balancing bridge arrangement. 2,462,599, Feb. 22.
- Blumlein, Doreen, executrix: *See*—
Blumlein, Alan D.
- Blunier, Edward G., Roanoke, Ill. Swinging drawbar. 2,473,357, June 14.
- Blydenburgh, Harold L.: *See*—
George, Edwin S., and Blydenburgh.
- Blyholder, Orlando, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telegraph switching system. 2,464,371, Mar. 15.
- Blyholder, Orlando, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Code-call system. 2,478,453, Aug. 9.
- Blyholder, Orlando, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telegraph switching system. 2,490,666, Dec. 6.
- Blythe, Eva E., assignee: *See*—
Blythe, Marvin E.
- Blythe, Marvin E., assignor of fifty-five per cent to E. E. Blythe, Denver, Colo. Railway track switch operating means. 2,468,024, Apr. 26.
- Boadle Ronald D., assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Radio-frequency oscillator power supply circuits. 2,459,988, Jan. 25.
- Boak, Willis E., Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey. Wire coating compositions. 2,469,150, May 3.

- Board of Trustees of The Leland Stanford Junior University, The, assignee: *See*—
Varian, Russell H.
- Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Pressure vessel for storage of liquids at abnormally high or low temperatures. 2,462,064, Feb. 22.
- Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Lifter roof tank. 2,485,557, Oct. 25.
- Boardman, Harry C., F. L. Goldsby, and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Seal for lifter roof storage tanks. 2,464,789, Mar. 22.
- Boardman, John H., Flin Flon, Manitoba, Canada. Seamed pipe lock. 2,463,593, Mar. 8.
- Boatner, Charlotte H., C. M. Hall, and A. L. Merrifield, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture. Heavy gravity liquid separation of cotton seed. 2,482,141, Sept. 20.
- Bobalek, Edward G., assignor to The Arco Company, Cleveland, Ohio. Interpolymer produced from polyhydric alcohol, polybasic acid, and interpolymer of monovinylaromatic compound, olefinic acid, and drying oil or oil fatty acid. 2,470,752, May 24.
- Bobalek, Edward G., assignor to The Arco Company, Cleveland, Ohio. Interpolymer of monovinylaromatic compound, monocarboxylic olefinic acid, and drying oil or acid. 2,470,757, May 24.
- Bobard, Emile, Beaune, France. Fluid pressure operated control means. 2,467,249, Apr. 12.
- Bobard, Emile, Beaune, France. Motor-containing wheel. 2,483,177, Sept. 27.
- Bobb, Lloyd J., Glenside, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Tone control system. 2,491,155, Dec. 13.
- Bobe, Stanley A., Atlanta, Ga., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric winch. 2,467,726, Apr. 19.
- Bobek, William J., and F. W. Wohlfield, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Spring holding attachment for automobiles. 2,459,989, Jan. 25.
- Bobeng, Milton L.: *See*—
Mortson, Emmons T., and Bobeng.
- Boberg, Irving E., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal for floating roofs. 2,471,404, May 31.
- Bobo, Mildred E., Jefferson County, and W. S. Miller, Denver, Colo. Mathematical educational game. 2,491,084, Dec. 13.
- Bocaroy Manufacturing Corporation, assignee: *See*—
Borup, James C.
- Bocchino, Ernest, assignee: *See*—
Bocchino, George A.
- Bocchino, George A., assignor to E. Bocchino, Clifton, N. J. Sound producing baby toy carriage. 2,480,996, Sept. 6.
- Bocchino, Joseph J., Dover, N. J. Split sprocket. 2,465,570, Mar. 29.
- Bocciarelli, Carlo V., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Sawtooth current linearizing system. 2,482,150, Sept. 20.
- Bocj Corporation, assignee: *See*—
La Place, Descond R.
- Bock, Edward P.: *See*—
Paquin, Joseph N., and Bock.
- Bock, Louis H., Huntingdon Valley, and J. L. Rainey, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Urea-formaldehyde condensates having detergent properties. 2,486,459, Nov. 1.
- Bock, Sam, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical devices. 2,490,406, Dec. 6.
- Bocking, Shirley A., assignor to Amalgamated Wireless (Australia) Limited, Sydney, New South Wales, Australia. Lamella resistance unit. 2,482,316, Sept. 20.
- Bockins, L. V., assignee, et al.: *See*—
Van Voorhis, Noble.
- Bockius, L. V., assignee: *See*—
Adams, Douglas D., Rollins, and Risher.
- Böckman, Marius, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Automatic regulator using transducers. 2,464,551, Mar. 15.
- Bockman, Melvin: *See*—
Swift, Victor R., and Bockman.
- Bockstahler, Earl R.: *See*—
Winnek, Philip S., and Bockstahler.
- Bodansky, John C., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Beam warper accumulator or storage rolls. 2,491,438, Dec. 13.
- Bodansky, John C., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Controlling device for the accumulator rolls of beam warpers. 2,491,439, Dec. 13.
- Boddie, Clarence A., Belmar, N. J. Oscillator tube. 2,472,088, June 7.
- Boddie, Clarence A., Belmar, N. J. Concentric line oscillator. 2,473,504, June 21.
- Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Smoothing network. 2,492,351, Dec. 27.
- Bode, Robert G., assignor to The Norwood Company, Chicago, Ill. Extensible strut. 2,473,632, June 21.
- Boedecker, Woodrow S., Prince Bay, N. Y., and L. M. Hinrichs, Wilmette, assignors to The Bastian-Blessing Company, Chicago, Ill. Apparatus for flame-cutting metal. 2,491,440, Dec. 13.
- Boden, Robert W. S., Pittsburgh, Pa. Egg separator stand. 2,473,411, June 14.
- Bodenschatz, William A., Sr.: *See*—
Kuhn, Joseph M., and Bodenschatz, Sr.
- Bodger, Walter K., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Generator mounting. 2,461,195, Feb. 8.
- Bodger, Walter K., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Cooling turbine rotors. 2,479,056, Aug. 16.
- Bodger, Walter K., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine rotor. 2,479,057, Aug. 16.
- Bodinaux, Gaston, Liège, and A. Malchair, Herstal, Belgium. Automatic regulation device for transmission mechanisms, specially for brakes control. 2,466,363, Apr. 5.
- Bodine, Albert G., Jr., Burbank, Calif. Method of and apparatus for cutting and the like. 2,460,918, Feb. 8.
- Bodine, Albert G., Jr., Burbank, Calif. Method of and apparatus for cutting materials. 2,460,919, Feb. 8.
- Bodine, Albert G., Jr., Van Nuys, Calif. Resonant pulse jet engine with tapered pipe. 2,480,540, Aug. 30.
- Bodine, Albert G., Jr., Van Nuys, Calif. Resonant wave pulse engine and process. 2,480,626, Aug. 30.
- Bodkin, Ernest A.: *See*—
Payne, John W., Johnson, and Bodkin.
- Bodkin, Ernest A., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Removal of zeolytic alkali from gels. 2,480,628, Aug. 30.
- Bodkin, Ernest A., Mickleton, and J. M. Johnson, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reactivating a silica-alumina cracking catalyst. 2,480,627, Aug. 30.
- Bodle, Virgil H.: *See*—
Blair, George W., and Bodle.
- Bodman, John W., Winchester, Mass., assignor to Lever Brothers Company. Dedusting process and product thereof. 2,465,346, Mar. 29.
- Bodmer, Ernest, Geneva, Switzerland. Change-speed transmission for automatic lathes. 2,461,027, Feb. 8.
- Bodmer, Ernest, Grand-Lancy-Geneve, Switzerland. Horizontal turret for automatic lathes. 2,464,844, Mar. 22.
- Bodmer, Ernest, Grand-Lancy-Geneve, Switzerland. Device for controlling the turrets of automatic lathes. 2,464,845, Mar. 22.
- Bodmer, Ernest, Grand-Lancy-Geneve, Switzerland. Cam controlled pulse transmitter. 2,469,761, May 10.
- Boeck, Gunther A., Mountain Lakes, N. J., and E. J. Howard, Flushing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control device. 2,479,465, Aug. 16.
- Boeckeler, B. Clark, assignee: *See*—
Lowen, Leslie.
- Boecking, Ewald, Great Kills, assignor to Manufacturers Machine & Tool Co., Inc., Mount Vernon, N. Y. Motion-picture film mechanism. 2,468,025, Apr. 26.
- Boecking, Ewald, Great Kills, assignor to Manufacturers Machine & Tool Co., Inc., Mount Vernon, N. Y. Film picture projection system corrected for spherical aberration. 2,479,553, Aug. 23.
- Boedecker, Woodrow S., assignor to The Bastian-Blessing Company, Chicago, Ill. Combination check valve and flash arrester. 2,482,457, Sept. 20.
- Boehm, Frederick, assignor to Schutte and Koerting Company, Philadelphia, Pa. Nozzle. 2,473,674, June 21.
- Boehm, Ray H., Racine, Wis. Game holder link. 2,458,675, Jan. 11.
- Boehm, Robert M., Laurel, Miss., and H. E. Hall, Lyle, Tenn., assignors to Masonite Corporation, Laurel, Miss. Recovery of sugar precursors. 2,465,347, Mar. 29.
- Boehm, Robert M., and G. G. Simpson, assignors to Masonite Corporation, Laurel, Miss. Making a conduit enclosing sheet product. 2,465,348, Mar. 29.
- Boehme, Werner R.: *See*—
Huber, Wolfgang, and Boehme.
- Boehne, Eugene W.: *See*—
Atwood, Winfield A., and Boehne.
- Boehnke, Helen, Round Lake, Ill. Yarn winder. 2,486,514, Nov. 1.
- Boeing Airplane Company, assignee: *See*—
Haberlin, John F.
Haupt, Donald T.
Mill, Billy S.
Pentecost, Horace T., Bliler, Nicholls, and Archer.
Smith, Louis H., and Dodson.
Stoner, George H.
Wells, Edward C.
- Boeing Airplane Company, Wichita Division: *See*—
Ketelsen, Peter, and Giwosky.
- Boekenooogen, Isaac E., H. E. Peterson, and A. Sach-Rowitz, Moose Lake, Minn. Leg structure for fish lures. 2,491,846, Dec. 20.
- Boelens, Willem W., G. Hepp, J. van Slooten, and B. W. van Ingen Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for varying the inductance of coils. 2,488,370, Nov. 15.

- Boelsums, Willem F., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Condenser motor. 2,461,717, Feb. 15.
- Boelsums, Willem F., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Motor for dry-shaving apparatus. 2,487,846, Nov. 15.
- Boener, Gladys, assignor to Seal-Sac, Inc., New York, N. Y. Protective cover for pressure cookers. 2,490,250, Dec. 6.
- Boerner, Lewis W.: *See*—
Boyd, Fisher L., and Boerner.
- Boerner, Thomas J., Collingswood, and J. W. Sanborn, Merchantville, N. J., assignors to Radio Corporation of America. High-frequency apparatus. 2,485,856, Oct. 25.
- Boes, W. W., Company, The, assignee: *See*—
Crowl, William E.
- Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Production of unsaturated organic compounds. 2,484,067, Oct. 11.
- Boese, Arthur H., Clinton, Okla. Toy gun. 2,458,828, Jan. 11.
- Boestad, Gustav K. W., Lidings, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Multiple separator centrifuge. 2,459,145, Jan. 18.
- Boestad, Gustav K. W., Lidings, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis. Helical gear compressor or motor. 2,474,653, June 28.
- Boestad, Gustav K. W., and E. O. Eriksson, Lidings, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Turbine. 2,462,600, Feb. 22.
- Boestad, Gustav K. W., Lidings, and H. R. Nilsson, Fred-hall, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Turbine casing construction. 2,472,062, June 7.
- Boestad, Gustav K. W., and E. O. Eriksson, Lidings, Sweden, assignors, by mesne assignments, to J. C. Marble, L. M. Merrill and P. H. Batten, as trustees. Turbine rotor cooling. 2,487,514, Nov. 8.
- Boettcher, Harold C., assignee: *See*—
Boettcher, William J. F.
- Boettcher, William J. F., assignor to H. C. Boettcher, Chicago, Ill. Meat-tendering appliance. 2,464,634, Mar. 15.
- Boeve, John, and J. Sterenberg, Holland, Mich. Annun-ciator. 2,477,857, Aug. 2.
- Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,473,133, June 14.
- Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool chuck actuator. 2,476,693, July 19.
- Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Stock feeding mechanism. 2,480,700, Aug. 30.
- Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,491,358, Dec. 13.
- Bogart, Marcel J. P.: *See*—
Brunjes, Austin S., and Bogart.
- Bogdanffy, George W.: *See*—
Agresti, Vincent A., Bogdanffy, Mitchell, and Uhlig.
- Bogema, Richard E., assignor to The Sturgis Products Company, Sturgis, Mich. Closure fastener for tumbling barrels. 2,474,461, June 28.
- Boger, Sam, Dodge City, Kans. Crankcase oil heater. 2,470,972, May 24.
- Bogert, Leslie S.: *See*—
Miller, Frank G., and Bogert.
- Bogese, Stephen B., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of improved extruded polytetrafluoroethylene articles. 2,485,691, Oct. 25.
- Boggs, Helen J.: *See*—
Boggs, Herbert D. and H. J.
- Boggs, Herbert D. and H. J., Omaha, Nebr. Convertible air and land conveyance. 2,462,462, Feb. 22.
- Boggs, Mildred M.: *See*—
Johnson, Gestur, and Boggs.
- Boghosian, William H., Forest Hills, and H. G. Och, as-signors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic computing device. 2,458,553, Jan. 11.
- Bogin, Herman H., assignor to Parke, Davis & Company, Detroit, Mich. Enteric capsule. 2,491,475, Dec. 20.
- Bogle, Aubrey B., Highland Park, Mich. Conveyor lock-ing and aligning system. 2,471,513, May 31.
- Bogle, Homer T., U. S. Navy. Submergible fuel cell. 2,487,786, Nov. 15.
- Bogrow, Alexander: *See*—
Marek, Leroy F., and Bogrow.
- Bogrow, Alexander, Brighton, and A. R. Johnson, Stone-ham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Reduction of viscosity of molten sulfur by means of resin acids. 2,482,574, Sept. 20.
- Bohannan, Robert C., assignor to The Jaeger Machine Company, Columbus, Ohio. Sealing means for mixing drums of end-loading transit mixers. 2,476,023, July 12.
- Bohener, Victor R. W., London, assignor to W. E. Smith, Elstree, Hertfordshire, and W. Frost, London, England. Electric heating device. 2,464,633, Mar. 15.
- Bohl, Hermann F., Palisade, N. J. Cutting tool. 2,458,244, Jan. 4.
- Bohl, Hugo E., Westfield, N. J. Circular-line fluorescent lighting fixture. 2,462,714, Feb. 22.
- Bohlen, Charles, Jr., Jenkintown, Pa. Vehicle spring. 2,461,874, Feb. 15.
- Bohler, Major C., Portland, Oreg. Outboard motor mount. 2,468,287, Apr. 26.
- Bohlin, Arvid, Montoursville, Pa. Apparatus for prepar-ing cold-rolled strip metal. 2,479,809, Aug. 23.
- Böhme, Walter K. A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mechanical joint for two components. 2,465,055, Mar. 22.
- Bohmer, Charles S., Chicago, and C. A. Grunschel, Park Ridge, Ill. Multiple tool head. 2,481,642, Sept. 13.
- Bohn Aluminum & Brass Corporation, assignee: *See*—
Bagley, William H., and Enderich.
- Fiegel, William J., and Perry.
- Bohn, Donald I.: *See*—
McArthur, Bruce E., Bohn, and Wagner.
- Bohn, Donald I., Pittsburgh, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Tripping device. 2,474,029, June 21.
- Bohn, Donald I., Pittsburgh, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker. 2,486,104, Oct. 25.
- Bohn, Donald I., Pittsburgh, Pa. Gas engine ignition system. 2,491,156, Dec. 13.
- Bohner, Valentine Bronx, N. Y. Combined shoeshine box and footrest. 2,463,141, Mar. 1.
- Bohnsack, John A.: *See*—
Hopeman, Albert A., Jr., and Bohnsack.
- Bohnson, Charles F., Long Island City, N. Y. Electric wall receptacle. 2,492,616, Dec. 27.
- Bohonos, Nestor: *See*—
Cartland, George F., Haines, and Bohonos.
- Bohr, Gustaf E., Stockholm, Sweden. Individual brake control for hydraulic brakes. 2,466,837, Apr. 12.
- Bohrer, George J., Troy, N. Y., assignor to General Electric Company. Tetrachlorophthalic diesters. 2,462,601, Feb. 22.
- Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint wear collar. 2,482,962, Sept. 27.
- Boicey, James H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminating composite safety glass. 2,466,078, Apr. 5.
- Boisson, Pierre, Pont-a-Mousson, assignor to Compagnie De Pont-a-Mousson, Nancy, France. Pipe connection and packing ring therefor. 2,470,883, May 24.
- Boivin, Odilon J., Gorham, N. H. Wallpaper pasting and cutting device. 2,472,935, June 14.
- Boje, Jens A., Gentofte, assignor to Aktieselskabet Ter-raincosyndikat, Copenhagen, Denmark. Detachable road grip for vehicle tires. 2,467,654, Apr. 19.
- Bol, Arie: *See*—
Verwey, Evert J. W., Haayman, and Bol.
- Boland, Ralph K., and B. G. Hagaman, assignors to Waters Conley Company, Rochester, Minn. Instantaneous tachometer method and apparatus. 2,492,617, Dec. 27.
- Bolard, George L., Meadville, Pa. Device for wrapping newspapers and the like. 2,490,407, Dec. 6.
- Bolding, Willem H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hart-ford, Conn., as trustee. Impulse voltage device. 2,490,408, Dec. 6.
- Bolduc, Gerard, Manchester, N. H. Polishing chuck. 2,472,399, June 7.
- Bole, George A., and D. H. Wyatt, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Ceramic space heater. 2,481,069, Sept. 6.
- Boler, William, St. Louis, Mo. Automatic valve and switch for hydraulic brakes. 2,474,929, July 5.
- Bolesky, John D., assignor to Metals & Controls Corpora-tion, Attleboro, Mass. Thermal relay. 2,471,924, May 31.
- Bolesky, John D., assignor to Metals & Controls Corpora-tion, Attleboro, Mass. Thermal switch. 2,471,925, May 31.
- Bolesky, John D., assignor to Metals & Controls Corpora-tion, Attleboro, Mass. Thermostatic valve. 2,479,034, Aug. 16.
- Bolesky, John D., Mansfield, assignor to A. Medert, trustee, Cleveland, Ohio. Thermostatic switch. 2,488,049, Nov. 15.
- Bolidens Gruvaktiebolag, assignee: *See*—
Gustafsson, G. V. A., and Malmqvist.
- Bolin, Leonard M., Chicago, assignor to Rota-Seal Inc., Cicero, Ill. Film viewing device having pivotally con-nected lamp housing and reflector. 2,486,914, Nov. 1.
- Bolinders Fabriks Aktiebolag, assignee: *See*—
Lenning, Alvar.
- Boling, Cecil, Brewster, and A. J. Tigges, New York, N. Y., said Tigges assignor to said Boling. Liquid cooling unit. 2,466,676, Apr. 12.

- Bollaert, Armand R., Palos Verdes Estates, and G. G. Halvorsen, Manhattan Beach, Calif., assignors to Great Lakes Carbon Corporation. Decolorization and clarification of sugar liquors. 2,470,332, May 17.
- Bolle, Léon, Geneva, Switzerland. Pyrophoric lighter. 2,465,004, Mar. 22.
- Bollens, Walter F., assignor to Swift & Company, Chicago, Ill. Coating material. 2,476,802, July 19.
- Boller, Ernest R., Marion, Ind., L. D. Eubank, Cleveland, Ohio, and R. J. Keffer, La Grange, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Galvanizing flux. 2,473,004, June 14.
- Bolles, Julius H., J. E. Antonidis, and R. M. Critchfield, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter. 2,492,550, Dec. 27.
- Bolley, Don S., Brooklyn, and E. C. Gallagher, Freeport, assignors to National Lead Company, New York, N. Y. Treating fatty oils. 2,458,554, Jan. 11.
- Bolley, Herschel C., Clawson, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,461,028, Feb. 8.
- Bolling, Oscar S., assignor to Meeen-Johnson Machine Company, Minneapolis, Minn. Plywood core machine. 2,488,759, Nov. 22.
- Bolling, Wythe T., Jr., Scranton, Pa. Bobby pin package. 2,466,571, Apr. 5.
- Bollman, John H., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic motor control apparatus. 2,478,740, Aug. 9.
- Bollman, John H., Rutherford, F. A. Brooks, Maplewood, and J. G. Kreer, Jr., Bloomfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Navigational apparatus. 2,488,371, Nov. 15.
- Bollman, Roland K., Cincinnati, Ohio. Antibacklash attachment for fishing reels. 2,483,331, Sept. 27.
- Bollmann, Karl, Zurich, and H. Meier, assignors to Landis & Gyr, A. G., Zug, Switzerland. Electric switch. 2,472,275, June 7.
- Bolsey, Jacques, New York, N. Y. Shutter control for cinematographic cameras. 2,462,302, Feb. 22.
- Bolsey, Jacques, New York, N. Y. Roll film camera with combined shutter arming and film transporting mechanism. 2,464,790, Mar. 22.
- Bolster, Calvin M., United States Navy. Expansible chamber fluid motor or pump. 2,464,208, Mar. 15.
- Bolt, Jay A.: *See*—
Haase, Elmer A., and Bolt.
Mock, Frank C., and Bolt.
- Bolt, John A., assignor to Standard Oil Company, Chicago, Ill. Removing mercaptans. 2,457,975, Jan. 4.
- Bolt, Robert O.: *See*—
McBee, Earl T., and Bolt.
McBee, Earl T., Bolt, and Tebbe.
- Bolta Company, The, assignee: *See*—
Bolten, John, Jr.
Halbach, Ernest W.
Hogan, Edward F.
- Bolten, John, Jr., Andover, assignor to The Bolta Company, Lawrence, Mass. Mold for sliding clasp fasteners. 2,471,258, May 24.
- Bolter, Ward H., New York, N. Y., assignor to Keuffel & Esser Company, Hoboken, N. J. Surveyor's band chain. 2,467,928, Apr. 19.
- Boltman, Ralph B., Pittsburgh, Pa. Tractor tread. 2,470,801, May 24.
- Bolton, John D., assignor to John D. Bolton & Co., Inc., Evanston, Ill. Applying steel reinforcement to existing columns. 2,480,180, Aug. 30.
- Bolton, John D., & Co., Inc., assignee: *See*—
Bolton, John D.
- Bolze, Ernest M.: *See*—
Beyer, Carlton M., and Bolze.
- Bombach, Paul H., assignee: *See*—
Kriz, Joseph J., Jr.
- Bombrini Parodi-Delfino-Societa per Azioni, assignee: *See*—
Marchiaro, Ettore, Mostardini, and Orzalesi.
- Bommer, Max: *See*—
Hauser, Herman, and Bommer.
- Bona, George B.: *See*—
Rowe, Richard G., and Bona.
- Bonalanza, Ernest L.: *See*—
Rozzi, Guido J., and Bonalanza.
- Bonar, Bernard E., assignor of one-fourth to B. R. Bonar and one-fourth to B. L. Bonar, El Paso, Tex. Rearview mirror. 2,486,105, Oct. 25.
- Bonar, Bernard R., assignee: *See*—
Bonar, Bernard E.
- Bonar, Byron L., assignee: *See*—
Bonar, Bernard E.
- Bonard, Claude, administrator: *See*—
Dreyfus, Henry.
- Boncompain, Francois, assignor to Etablissements Labinal, Saint-Ouen, France, and SEBMA S. A., Societe d'Exploitation de Brevets de Machines Agricoles, Romont, Switzerland. Automatic control agricultural machine. 2,484,069, Oct. 11.
- Bond, Auraldo W., Buffalo, N. Y. Mill screen with auxiliary perforate baffles on operating face. 2,465,056, Mar. 22.
- Bond, Donald C.: *See*—
Alcorn, Irwon W., and Bond.
- Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Production of oil. 2,469,354, May 10.
- Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Oxidizing acidic sulfur compounds. 2,464,019, Mar. 8.
- Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Protecting metal surfaces against hydrogen sulfide corrosion. 2,472,400, June 7.
- Bond, Donald C., Northbrook, N. B. Russell, Winnetka, and G. G. Bernard, assignors to The Pure Oil Company, Chicago, Ill. Drilling wells through formations which produce gas containing large amounts of hydrogen sulfide. 2,485,231, Oct. 18.
- Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Instrument landing system. 2,459,482, Jan. 18.
- Bond, Frederick A., East Helena, Mont., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for casting massive bullion blocks. 2,480,899, Sept. 6.
- Bond, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,472,691, June 7.
- Bondhus, Tom M., Monticello, Minn. Counterboring device. 2,469,543, May 10.
- Bondi, Arnold A., assignor to Shell Development Company, San Francisco, Calif. Lubricating grease composition. 2,475,589, July 12.
- Bondi, Arnold A., New Orleans, La., assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Production of an aluminum base grease containing organic amines. 2,491,641, Dec. 20.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Electrode structure for electric discharge devices. 2,460,120, Jan. 25.
- Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Electropolishing laminated magnetic cores. 2,479,302, Aug. 16.
- Bondurant, John E.: *See*—
De Boisblanc, Deslonde R., and Bondurant.
- Bondurant, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Blasting cap circuit tester. 2,492,459, Dec. 27.
- Bone, Arnold R., Needham, assignor to Dennison Manufacturing Company, Framingham, Mass. Device for detaching type plates from magnetic chases. 2,481,191, Sept. 6.
- Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch point support. 2,472,364, June 7.
- Bonebrake, Gay M., assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Tension control mechanism. 2,475,691, July 12.
- Bonecutter, Archie O., Evansville, Ind. Telephone holder. 2,481,387, Sept. 6.
- Bonenberger, Frederick A., Norristown, Pa. Multiple door lock. 2,486,460, Nov. 1.
- Bonham, Lewis F., North Plainfield, assignor to The Personal Products Corporation, New Brunswick, N. J. Applicator. 2,476,956, July 26.
- Bonham, Louis E., Birmingham, Ala. Valve for multicell inertubes. 2,468,954, May 3.
- Bonham, Louis E., Birmingham, Ala. Electrical outlet. 2,489,741, Nov. 29.
- Boninchi, J., & Ses Fils, assignee: *See*—
Boninchi, Joseph A.
- Boninchi, Joseph A., assignor to J. Boninchi & Ses Fils, Geneva, Switzerland. Tight winding device for timepieces. 2,465,571, Mar. 29.
- Bonine, Ralph O.: *See*—
Easley, Gilbert J., and Bonine.
- Boninger, Otto R., Phillips, Tex., assignor to Phillips Petroleum Company. Catalyst vessel. 2,483,178, Sept. 27.
- Bonini, John H., Appleton, assignor to Marathon Corporation, Rothschild, Wis. Package. 2,465,841, Mar. 29.
- Bonk, Theodore H., Tampa, Fla. Collapsible or folding infant's auto seat. 2,461,367, Feb. 8.
- Bonkiewicz, Joseph, Jr.: *See*—
Tullgren, Lester C., and Bonkiewicz.
- Bonkowski, Teofil L., and H. Solloway, Los Angeles, Calif. Sectionalized metal structure. 2,465,423, Mar. 29.
- Bonkowski, Teofil L., and H. Solloway, Los Angeles, Calif. Musical toy. 2,486,549, Nov. 1.
- Bonkowski, Teofil L., and H. Solloway, Los Angeles, Calif. Sectional toy. 2,486,550, Nov. 1.
- Bonnafé, Oliver W., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Hydraulic pump. 2,465,510, Mar. 29.
- Bonnafé, Oliver W., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Broaching machine. 2,475,690, July 12.
- Bonnafoux, Paul, Lancaster, Calif. Swing hammer type mill with feed means for baled material. 2,488,799, Nov. 22.
- Bonnaud, Henri, Viroflay, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France. Piston packing. 2,471,477, May 31.
- Bonnell, George M.: *See*—
Burns, Murray E., and Bonnell.

- Bonnell, Leonard S., Westfield, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,461,958, Feb. 15.
- Bonner, Arthur L., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Arrangement for limiting noise interference in carrier telephone systems. 2,488,577, Nov. 22.
- Bonner, Don E., assignor of one-half to T. Palmison, Sandusky, Ohio. Stand for supporting a wire wheel during truing operation. 2,463,350, Mar. 1.
- Bonner, Walter F., Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Full-wave rectifier in glass or other insulating container. 2,459,788, Jan. 25.
- Bonner, Walter F., Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathodic protection system. 2,483,397, Oct. 4.
- Bonner, William A., H. Woods, and C. D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y. Disubstituted desoxyalditols and their preparation. 2,460,803, Feb. 8.
- Bonner, William A., H. Woods, and C. D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y. Production of arylidesoxyglycoses and diarydesoxyalditols. 2,472,276, June 7.
- Bonner, William A., H. Woods, and C. D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y. Monosubstituted desoxyglycoses and preparing the same. 2,472,277, June 7.
- Bonnet, André, Vaulx-en-Velin, and P. Costet, La Voulte-sur-Rhone, France, assignors to Comptoir des Textiles Artificiels. Purifying sodium sulfate. 2,468,803, May 3.
- Bonnet, Maurice, assignor to La Reliographie, Societe pour l'Exploitation des Procédes de Photographie en Relief Maurice Bonnet, Paris, France. Engraving the dies of lenticular optical selectors. 2,480,354, Aug. 30.
- Bonnet, Maurice, assignor to La Reliographie, Societe pour l'Exploitation des Procédes de Photographie en Relief Maurice Bonnet, Paris, France. Photography in relief. 2,485,811, Oct. 25.
- Bonnet, Maurice, assignor to La Reliographie, Societe pour l'Exploitation des Procédes de Photographie en relief Maurice Bonnet, Paris, France. Device for obtaining peristoscopic macrophotographs and X-ray photographs. 2,492,520, Dec. 27.
- Bonnet, Maurice, assignor to La Reliographie, Societe pour l'Exploitation des Procédes de Photographie en Relief Maurice Bonnet, Paris, France. Apparatus for instantaneous photography in relief at variable distances. 2,492,836, Dec. 27.
- Bonnett, Horace W., Fairfield, assignor to United Aircraft Corporation, East Hartford, Conn. Adjustable rotor blade. 2,473,134, June 14.
- Boonthron, Robert J., and W. W. Rosenberry, U. S. Navy. Shock mounting. 2,481,494, Sept. 13.
- Bonvillian, Claude A., U. S. Navy, R. C. Briery, Narberth, and S. Letvin, Philadelphia, Pa. Apparatus for the combustion of fuel. 2,465,791, Mar. 22.
- Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrodeposition of lead-tin-antimony alloys. 2,458,827, Jan. 11.
- Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrodeposition apparatus. 2,484,068, Oct. 11.
- Booge, James E.: See—
Krchma, Ignace J., and Booge.
- Booge, James E., and H. C. Gullledge, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Method for producing organic titanium compounds. 2,468,916, May 3.
- Book, Barnett H., New York, N. Y. Wheeled suitcase. 2,478,563, Aug. 9.
- Book Machinery Company Limited, The, assignee: See—
French, Lionel J. B. R.
- Boon, Joseph L., assignor to Eastman Kodak Company, Rochester, N. Y. Control device for electric motors. 2,466,364, Apr. 5.
- Boon, Simon D.: See—
Van der Willigen, Paul C., Boon, and Holierhoek.
- Boone, Clarence W., Syracuse, N. Y. Traction device. 2,473,782, June 21.
- Boone, Daniel R., Portland, Oreg. Trailer. 2,475,174, July 5.
- Boone, Fred S., Indianapolis, Ind. Furnace heat transfer accelerator. 2,488,163, Nov. 15.
- Boone, John F., Long Lake, N. Y. Safety device for guns. 2,484,928, Oct. 18.
- Boone, Milton O., U. S. Army, San Francisco, Calif. Pallet. 2,468,026, Apr. 26.
- Boone, Paul D., assignee: See—
Turk, Amos.
- Boone, Raymond C., Grafton, N. Dak. Lift. 2,490,198, Dec. 6.
- Boonton Molding Company, assignee: See—
Maxfield, Richard F.
- Boor, Ladislav, Bethesda, Md., and L. A. Fluck, Pluckemin, N. J., assignors to American Cyanamid Company, New York, N. Y. Crease resistance testing. 2,479,303, Aug. 16.
- Boos, Adolph, Elmhurst, assignor to John Chatillon & Sons, New York, N. Y. Cable tensiometer. 2,471,999, May 31.
- Boos, Wilfred J., assignor to Walk-Easy Foot Rest Manufacturing Company, St. Louis, Mo. Orthopedic appliance. 2,487,691, Nov. 8.
- Boose, Elmer S., Tampa, Fla. Shuffleboard cue. 2,474,723, June 28.
- Boosey, Edward W. N., Detroit, Mich. Caulking plug. 2,471,301, May 24.
- Boosey, Frederick R., assignor to The Sigma Instrument Company Limited, Letchworth, England. Measuring apparatus. 2,478,363, Aug. 9.
- Boosman, Herman B. R., T. Douma, and K. Posthumus, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transmitting telegraphic signals. 2,464,667, Mar. 15.
- Boosman, Herman B. R., and C. J. de L. de la Sabloniere, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio direction finder. 2,485,353, Oct. 18.
- Boot Mills, assignee: See—
Kenney, Thomas F., and Bellavance.
- Boot, Robert H. F., assignor to Under Water Welders & Repairs Limited, London, England. Electric arc cutting electrode. 2,462,463, Feb. 22.
- Booth, Alfred, Pendleton, Salford, assignor of one-half to F. H. Coles, Epsom, England. Infinitely variable speed gear. 2,466,365, Apr. 5.
- Booth, Alfred, Pendleton, Salford, assignor of one-half to F. H. Coles, Epsom, England. Infinitely variable speed gear. 2,476,353, July 19.
- Booth, Charles W., San Jose, Calif. Abrasive strip holder. 2,464,668, Mar. 15.
- Booth, Earl C.: See—
Noblitt, Quintin G., and Booth.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Metal chair. 2,458,890, Jan. 11.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Metal top for ironing boards. 2,464,170, Mar. 8.
- Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Collapsible support for ironing boards. 2,471,059, May 24.
- Booth, Earl C., and F. Jones, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Ironing board. 2,469,809, May 10.
- Booth, Eustace R., Staines, assignor of one-half to S. Marks, Feltham, England, Drafting machine. 2,459,216, Jan. 18.
- Booth, Eustace R., Staines, assignor of one-half to S. Marks, Feltham, England. Multiway electric switch. 2,463,945, Mar. 8.
- Booth, F. E., Company Inc., assignee: See—
Almquist, Herman J., and Davis.
- Booth, George M., Westfield, assignor to Novadel-Agene Corporation, Belleville, N. J. Manufacture of chlorine dioxide. 2,459,124, Jan. 11.
- Booth, George M., Westfield, assignor to Wallace & Tiernan Co., Inc., Belleville, N. J. Water purification unit. 2,473,986, June 21.
- Booth, Harry T., Glencoe, Ill., assignor to United Aircraft Products, Inc., Dayton, Ohio. Thermostatic shutter controller. 2,459,490, Jan. 18.
- Booth, Harry T., A. C. Hoffman, and J. D. Olcott, assignors to United Aircraft Products, Inc., Dayton, Ohio. Engine lubricant conditioning system. 2,478,521, Aug. 9.
- Booth, Herbert G., Harrison, assignor to David Traum Company, Incorporated, New York, N. Y. Button-covering device. 2,488,957, Nov. 22.
- Booth, Jack J., Dallas, Tex. Molding plastic shoes. 2,470,089, May 17.
- Booth, James C., Jackson Heights, N. Y. Warning magnetic unit. 2,462,715, Feb. 22.
- Booth, James D., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High stability receiver circuit. 2,476,803, July 19.
- Booth, James H.: See—
Kennedy, Maurice de K. T., and Booth.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,461,626, Feb. 15.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Control system. 2,468,917, May 3.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. High-angle joint assembly. 2,470,210, May 17.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint assembly. 2,471,672, May 31.
- Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Propeller dampener drive. 2,475,541, July 5.
- Booth, John F., Hazlehead, near Sheffield, England. Method of and apparatus for making pipes and conduits of clayware. 2,480,442, Aug. 30.
- Booth, John G.: See—
Barnes, George W., Jr., and Booth.
- Booth, John T., Hastings, Nehr. Down grain saver for harvester reels. 2,489,516, Nov. 29.
- Booth, Ralph E., Mansfield, Mass., assignor to Apco Mossberg Company. Torque tool. 2,461,491, Feb. 8.
- Booth, Ralph E., Mansfield, Mass., assignor to Apco Mossberg Company. Torque measuring screw driver. 2,464,372, Mar. 15.

- Booth, Robert B., Springdale, and E. C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of iron ores. 2,461,875, Feb. 15.
- Booth, Robert B., Springdale, and R. A. Pickens, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of sulfide ores. 2,471,384, May 24.
- Booth, Robert B., Springdale, and E. C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of iron ore with sulfonated fatty acid. 2,475,581, July 12.
- Booth, Robert B., Springdale, and R. A. Pickens, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of garnet ores by froth flotation. 2,477,402, July 26.
- Booth, Robert B., Springdale, and R. A. Pickens, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of copper sulfide ores with lignin sulfonates. 2,485,083, Oct. 18.
- Booth, Roger W., assignor to The Lennox Furnace Co., Marshalltown, Iowa. Control unit. 2,468,288, Apr. 26.
- Booth, Sheldon M., Chicago, Ill. Toolholder. 2,462,716, Feb. 22.
- Booth, Thomas E., Beaumont, Tex. Scraping apparatus. 2,465,192, Mar. 22.
- Boothby, Walter M., Rochester, Minn. Flowmeter. 2,463,473, Mar. 1.
- Boothe, James H.: *See*—
Mowat, John H., and Boothe.
- Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparing pterolic acid and amino acid amides thereof. 2,472,462, June 7.
- Boothroyd, Wilson P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Automatic tuning electric system. 2,486,551, Nov. 1.
- Boothroyd, Wilson P., and W. H. Forster, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Stop-on carrier tuner. 2,470,843, May 24.
- Booton, Charles F., Anstey, assignor to The J. P. Engineering Company Limited, Leicester, England. Grass box for lawn mowers. 2,488,117, Nov. 15.
- Boots Aircraft Nut Corporation, assignee: *See*—
Engstrom, Henry O.
- Boots, Edmund R., Short Hills, N. J., assignor to The Nylok Corporation, New York, N. Y. Threaded locking device. 2,462,603, Feb. 22.
- Boots Pure Drug Company Limited, assignee: *See*—
Hill, Charles A. and Stevenson.
Oxley, Peter, Robson, Koebner, and Short.
Short, Wallace F., and Hobday.
Short, Wallace F., Hobday, and Oxley.
Short, Wallace F., and Oxley.
Stevenson, Herbert A., and Short.
- Booty, Raymond G., Elmwood Park, Ill., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Production and use of synthetic resin. 2,462,252, Feb. 22.
- Booty, Raymond G., Elmwood Park, Ill., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Production and use of synthetic resin. 2,462,253, Feb. 22.
- Borah, John B., Penn Township, St. Joseph County, Ind. Self construction. 2,487,301, Nov. 8.
- Boraski, Adam A., Cuyahoga Falls, Ohio. Back pad for trusses. 2,479,150, Aug. 16.
- Borchardt, Lester F.: *See*—
Brastad, William A., and Borchardt.
- Borchardt, Theodore J.: *See*—
Pollard, Ernest B., and Borchardt.
- Borcharding, Walter H., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalyst stripping. 2,490,993, Dec. 13.
- Borchardt, Gerald T., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of 1,4-dicyano-2-butene. 2,477,573, Aug. 2.
- Borchers, William G., assignor to Autographic Register Company, Hoboken, N. J. Method and apparatus for simultaneously securing together and perforating paper webs. 2,474,775, June 28.
- Borda, Carlos J., San Jose, Costa Rica. Adjustable key for use with locks in which the tumblers are movable parallel to the axis of the plug. 2,473,273, June 14.
- Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Underwing fueling system. 2,458,245, Jan. 4.
- Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Electric switch. 2,478,564, Aug. 9.
- Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Pressure switch. 2,492,261, Dec. 27.
- Borden Company, The, assignee: *See*—
Beardslee, Arthur C.
Block, Richard J., Brocklesby, and Rogers.
Block, Richard J., and Howard.
Calhoun, John R., and Buzzo.
Lemmel, Paul T.
Lieb, David J., Clark, Jr., and Spahr.
Novotny, Emil E.
Novotny, Emil E., and Vogelsang.
Spahr, Raymond J., and Lieb.
Spahr, Raymond J., Moffitt, and Pryde.
- Borden, John A., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. Re. 23,129, June 28.
- Borden, Joseph H., assignor to The Houghton Elevator Company, Toledo, Ohio. Elevator door lock. 2,484,679, Oct. 11.
- Borden, Joseph H., assignor to The Houghton Elevator Company, Toledo, Ohio. Control system for elevators. 2,488,847, Nov. 22.
- Borden, Perry A., assignor to The Bristol Company, Waterbury, Conn. Constant potential source of the thermocouple type. 2,463,944, Mar. 8.
- Borden, Perry A., Waterbury, and G. M. Thynell, Naugatuck, assignors to The Bristol Company, Waterbury, Conn. Self-balancing telemetric receiver. 2,465,191, Mar. 22.
- Borden, Philip H., assignor to Central Industrial Corporation, Memphis, Tenn. Magazine shaver. 2,490,775, Dec. 13.
- Bordenca, Carl, and W. A. Lazier, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation. Nitroparaffin solvent process for making olefin nitroschlorides. 2,485,185, Oct. 18.
- Border, Lawson E., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Instrumentation assembly. 2,465,628, Mar. 29.
- Border, Samuel L., Monon, Ind. Removing tooth restorations. 2,464,289, Mar. 15.
- Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetrahydrofuran. 2,489,260, Nov. 29.
- Borek, John J., Milwaukee, Wis., and A. M. Zarem, Pasadena, Calif., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Delayed control system for cathode-ray oscillographs. 2,477,848, Aug. 2.
- Borek, William S., Worcester, Mass. Support and guard for accordions. 2,471,926, May 31.
- Borel, André, Paris, France. Chromatic harmonicon. 2,461,806, Feb. 15.
- Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flowmeter. 2,458,331, Jan. 4.
- Borell, George L., and D. G. Taylor, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control rheostat. 2,476,276, July 19.
- Borelli, Vito L., and W. L. Greenmore, Jr., Bristol, Conn. Brush holder. 2,480,541, Aug. 30.
- Boren, John W., Marinette, Wis. Bassinet. 2,475,775, July 12.
- Borer, Emile, Bienne, assignor to Rolex Watch Co. Ltd., Geneva, Switzerland. Tight winding device for watches. 2,482,317, Sept. 20.
- Boreszewski, Clarence F., Camden, N. J. Rotating disk racing game. 2,473,675, June 21.
- Boretz, Abraham, Bronx, N. Y. Traveling bag having top-wall-supported compartment which remains hidden when side-wall closure is opened. 2,481,565, Sept. 13.
- Borg, Edward M., Seattle, Wash. Extracting machine. 2,462,840, Mar. 1.
- Borg, George W., Corporation, The, assignee: *See*—
Fink, Jean.
Gibbs, Thomas B., and Brandt.
Gilman, George W., Laing, and Gibbs.
McCaslin, James F., and Fink.
Norman, Ernst.
Van Alen, DeWitt T.
Warmey, Bernard A.
- Borg, Kenneth, and M. S. Kesler, Salt Lake City, Utah. Method and apparatus for galvanizing sheet metal vessels. 2,477,684, Aug. 2.
- Borg-Warner Corporation, assignee: *See*—
Candler, James N.
Carnagua, Harold E.
Carnagua, Harold L., and Swift.
Compton, James A.
Conkle, Carl J.
Felin, Anton, and Matthews.
Haberland, Frederick C.
Holt, Ray G.
Ingersoll, Roy C.
Kelbel, Donald W.
Koppel, Ernst R.
La Barre, Dwight.
Lauck, John A.
McCulloch, Robert P.
McCulloch, Robert P., and Ryde.
Minshall, Robert J.
Neumann, George R., and Farrell.
Nutt, Harold, and Cook.
Orr, Palmer.
Putnam, Henry B.
Rockwell, Edward A.
Roth, Jay M.
Rovick, John D.
Schanzlin, Ernest H.
Stubau, Carl J.
Vonk, Cornelius G.
Wichorek, Edmund F.
Zeldner, Reinhold C.
- Borger, Frank G., assignor to W. Fischer, Fort Lee, N. J. Smoking pipe. 2,483,258, Sept. 27.
- Borghesan, Henri, Nice, France. Heating and cooling plant. 2,467,519, Apr. 19.
- Borghesan, Henri, Nice, France. Device for heating large rooms. 2,488,800, Nov. 22.

- Borglin, Joseph N., and R. F. B. Cox, assignors to Hercules Powder Company, Wilmington, Del. Preparation of ethers by reacting tricyclics with alcohols. 2,488,489, Nov. 15.
- Borgström, Göte I., Svangsta, Sweden. Braking device for fishing reels. 2,489,447, Nov. 29.
- Börjeson, Edward W., Stockholm, Sweden. Wheel suspension. Re. 23,147, Sept. 20.
- Borkenhagen, Raymond H.: *See—*
Keil, Havard L., and Borkenhagen.
- Borkland, Gustave W., Marion, Ind. Apparatus for and method of forming sheet material. Re. 23,171, Nov. 29.
- Borkland, Gustave W., Marion, Ind. Production of ornamented embossed articles. 2,468,731, May 3.
- Borkowski, Casimer J., Oak Ridge, Tenn., assignor to The United States of America as represented by the United States Atomic Energy Commission. Alpha particle counting. 2,472,365, June 7.
- Borkowski, Casimer J., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,479,600, Aug. 23.
- Borland, John, assignor to Clark Equipment Company, Buchanan, Mich. Brake with locking means. 2,468,252, Apr. 26.
- Borland, John H.: *See—*
Queneau, Paul E., Borland, and Renzoni.
- Born, Arthur C.: *See—*
Hawley, John B., and Born.
- Born, Ellis H.: *See—*
Adams, Cecil E., and Born.
- Born, Leo W.: *See—*
Beard, Joseph G., and Born.
- Born, Wade H., McRae, Ga. Implement for winding and folding harvesting sheets. 2,473,327, June 14.
- Bornquist, George W., Oak Park, Ill. Control valve. 2,461,136, Feb. 8.
- Borodack, George J., assignee: *See—*
Sinclair, John A.
- Borowick, Emma G., New York, N. Y. Clothes protector. 2,477,437, July 26.
- Borstein, Leon: *See—*
Canham, Walter G., Ostrin, and Borstein.
- Borsuk, Nicholas, Woodbridge, N. J. Tension adjuster for windshield wipers. 2,481,192, Sept. 6.
- Bortfeld, Paul R., Milwaukee, Wis. On-or-off electric switch. 2,468,356, Apr. 26.
- Borthwick, Harold H., assignor to Armstrong Cork Company, Lancaster, Pa. Closure-release mechanism. 2,481,495, Sept. 13.
- Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Unsaturated heterocyclic alcohol. 2,473,497, June 21.
- Bortnick, Newman M., Philadelphia, and D. J. Butterbaugh, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of methacrylonitrile from α -aminoisobutyraldoximes. 2,471,927, May 31.
- Bortnick, Newman M., and G. W. Cannon, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of methacrylonitrile. 2,471,928, May 31.
- Borup, James C., Sherman Oaks, assignor to Bocaroy Manufacturing Corporation, Los Angeles, Calif. Retractable clothesline. 2,481,638, Sept. 13.
- Borus, Ben, St. Louis, Mo., assignor to Shell Development Company, San Francisco, Calif. Carbon remover and metal surface cleaning composition. 2,466,632, Apr. 5.
- Borza, Helen L.: *See—*
Borza, Raphael and H. L.
- Borza, Raphael and H. L., Yonkers, N. Y. Electric stove. 2,488,264, Nov. 15.
- Borza, Raphael and H. L., Yonkers, N. Y. Windmill toy. 2,491,706, Dec. 20.
- Borzum, Alexander, Dearborn, Mich. Power press. 2,475,692, July 12.
- Borzum, Alexander, Dearborn, Mich. Power press. 2,475,693, July 12.
- Boschan, Francis, Philadelphia, Pa. Shelf hanger. 2,458,332, Jan. 4.
- Bosh, James E., Berwyn, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Dual purpose sleeve-spring spring jack. 2,470,915, May 24.
- Bosh, James E., Berwyn, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Device for feeding and tensioning raw cordage in the production of coiled cords. 2,478,454, Aug. 9.
- Boshaw, Ruby R., Detroit, Mich. Combination tool. 2,471,191, May 24.
- Boskovich, Milan N., assignee: *See—*
Hall, Arthur O.
- Bosley, Willard S.: *See—*
Black, Goss K., and Bosley.
- Bosma, Alfred S., New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill. Outboard motor lubricating system. 2,458,051, Jan. 4.
- Bosomworth, George P.: *See—*
Prettyman, Irven B., Bosomworth, and Milner.
- Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Dial gauge. 2,459,749, Jan. 18.
- Bossard, Gisbert L., Cleveland, Ohio. Electric chime device. 2,470,600, May 17.
- Bossard, Werner, assignor to the firm J. R. Geigy A. B., Basel, Switzerland. Metallizable tetrakisago dye. 2,459,913, Jan. 25.
- Bossard, Werner, assignor to J. R. Geigy A. G., Basel, Switzerland. Polyazo-dyestuffs. 2,488,076, Nov. 15.
- Bossart, Paul N.: *See—*
Konrad, William L., Bossart, and Leberknight.
- Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway train communication and alarm system using modulated carrier currents. 2,484,680, Oct. 11.
- Bossert, Mark W., Carriek, and A. G. Josephson, Brookline, Pa. Dial light. 2,480,393, Aug. 30.
- Bosshard, Alfred: *See—*
Alderfer, Sterling W., and Bosshard.
- Bosshard, Werner: *See—*
Hartmann, Max, and Bosshard.
- Bossmeyer, Charles L., Stratford, Conn., assignor to Dictaphone Corporation, New York, N. Y. Packing flexible recording belts. 2,481,285, Sept. 6.
- Bostic, William J., assignor to R. K. Rognstad, Vancouver, Wash. Building toy. 2,465,005, Mar. 22.
- Bostick, Damon D., assignor to The Figaro Company, Inc., Dallas, Tex. Hand grinder for condiment pellets. 2,479,151, Aug. 16.
- Bostitch, Inc., assignee: *See—*
Harred, George H.
- Bostock, Godfrey S., Tixall, and T. G. Sharples, Stafford, England. Adjustable cutting and marking die. 2,470,135, May 17.
- Bostock, Godfrey S., Tixall, Stafford, and T. G. Sharples, Stafford, England. Die for cutting-out presses as used in the manufacture of boots and shoes. 2,490,335, Dec. 6.
- Boston Envelope Co., assignee: *See—*
Henry, Shala W.
- Boston Machine Works Company, assignee: *See—*
Calder, John M.
- Boston Woven Hose and Rubber Company, assignee: *See—*
Knowland, Thomas M.
- Boswau, Hans P., Lorain, Ohio, and A. C. Reid, assignors to Leich Electric Company, Genoa, Ill. Telephone set. 2,492,375, Dec. 27.
- Botelho, Frank L., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Valve for pressure treating chambers. 2,492,460, Dec. 27.
- Botha, Louis, New York, N. Y. Convertible garment. 2,472,141, June 7.
- Bothwell, Edward J.: *See—*
Vanick, James S., and Bothwell.
- Botimer, Lloyd, Vassar, Mich. Sugar beet harvester. 2,486,915, Nov. 1.
- Botkin, Carl, and S. C. Shifkin, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Control of contrast in diazotype materials. 2,465,424, Mar. 29.
- Botten, John B., Chagrin Falls, Ohio. Magazine feedbox. 2,470,463, May 17.
- Botteron, Donald G., Syracuse, N. Y., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of vinyl ethers. 2,462,602, Feb. 22.
- Botting, Vincent T., Scarsdale, N. Y., assignor to Gustin-Bacon Manufacturing Company. Flexible coupling. 2,479,058, Aug. 16.
- Bottom, Virgil E., Leonardo, N. J., assignor to the United States of America as represented by the Secretary of War. Mounting for piezoelectric elements. 2,482,828, Sept. 27.
- Bottom, Virgil E., Fort Collins, Colo. Piezoelectric crystal. 2,486,916, Nov. 1.
- Bottoni, Robert J., West Orange, N. J., assignor of one-half to V. J. Haroldson, New York, N. Y. Cable holder for junction boxes. 2,491,157, Dec. 13.
- Botwinick, Israel, Brooklyn, N. Y. Mold for forming ornamental plastic buttonhole casings. 2,482,239, Sept. 20.
- Bouc, Charles A., Chicago, Ill. Tree holder. 2,469,192, May 3.
- Boucek, James F., Chicago, Ill. Mica splitting machine. 2,472,401, June 7.
- Bouchal, Jaroslav, assignor to Bata, Narodni Podnik, Zlin, Czechoslovakia. Shoe support with clamping means. 2,478,455, Aug. 9.
- Bouchal, Jaroslav, assignor to Bata, Narodni podnik, Zlin, Czechoslovakia. Machine for operating on footwear. 2,489,558, Nov. 29.
- Bouchard, Blanche E., assignee: *See—*
Du Grenier, Francis C., and Perri.
- Bouchard, Leonard L., Rochester, N. Y. Horseshoe pitching court. 2,476,532, July 19.
- Boucher, Charles L.: *See—*
Addink, Nicolaas W. H., Boucher, de Lange, and Kramer.
- Boucher, Charles P., deceased, Newark, N. J., by National Inventions Corporation, New York, N. Y., assignee. Space discharge tube and electrode therefor. Re. 23,073, Jan. 11.
- Boucher, Charles P., Fostoria, Ohio, and F. A. Kuhl, Ridgewood, N. J., assignors, by mesne assignments, to National Inventions Corporation. Luminescent tube system and apparatus. 2,461,029, Feb. 8.

- Boucher, Charles P., Atlanta, Ga., and F. A. Kuhl, Ridge-wood, N. J., assignors, by mesne assignments, to National Inventions Corporation. Fluorescent discharge tube. 2,464,373, Mar. 15.
- Boucher, Jacques, Paris, assignor to Compagnie de Pont a Mousson, Nancy, France. Apparatus for making pipes of small diameter by centrifugal casting. 2,480,284, Aug. 30.
- Boucher, Jacques, Paris, assignor to Compagnie De Pont A Mousson, Nancy, France. Epicycloidal train of friction mechanism. 2,484,605, Oct. 11.
- Boucher, Percival L., Troon, assignor to Glenfield and Kennedy Limited, Kilmarnock, Scotland. Filter or strainer for liquids. 2,458,139, Jan. 4.
- Boucher, Percival L., Troon, Ayrshire, assignor to Glenfield & Kennedy Limited, Kilmarnock, Ayrshire, Scotland. Water filter. 2,462,604, Feb. 22.
- Boudreau, Alban M., assignor to Hedstrom-Union Company, Gardner, Mass. Collapsible baby carriage and the like. 2,467,579, Apr. 19.
- Boudreau, Alban M., assignor to Hedstrom-Union Company, Gardner, Mass. Stroller-type vehicle. 2,486,917, Nov. 1.
- Boudreau, Alban M., assignor to Hedstrom-Union Company, Gardner, Mass. Baby carriage foot extension control device. 2,492,209, Dec. 27.
- Boudreaux, Emile V., Los Angeles, Calif. Combination comb and file. 2,474,570, June 28.
- Boudreaux, Lloyd E., and O. R. Mitchell, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Solvent dewaxing. 2,478,456, Aug. 9.
- Boudreaux, Lloyd E., and W. L. Fore, Beaumont, Tex., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Nozzle and adjustable spray deflector. 2,489,952, Nov. 29.
- Boudreaux, Robert, Delcambre, La. Variable inductance frequency modulation phonograph system. 2,466,201, Apr. 5.
- Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material serving apparatus. 2,462,303, Feb. 22.
- Boulcault, Marcel, St. Louis, Mo. Teeth cleaning unit. 2,468,732, May 3.
- Boulcault, Marcel, St. Louis, Mo. Teeth cleaning unit. 2,468,733, May 3.
- Boulin Instrument Corporation, assignee: *See*—Boulin, Jean J.
- Boulin, Jean J., Chatham, N. J., assignor to Boulin Instrument Corporation, New York, N. Y. Tensiometer. 2,472,142, June 7.
- Boulton, Robert E., Rifle, Colo. Shifting shovel loader. 2,471,192, May 24.
- Boulware, Finis W., Hatton, Mo. Chicken feeder. 2,467,250, Apr. 12.
- Bour, John W., Los Angeles, Calif. Jack. 2,490,199, Dec. 6.
- Bouracier, Cyril E., Warlingham, England. Refrigerated vending machine. 2,488,798, Nov. 22.
- Bourassa, Joseph C. E., Montreal, Quebec, Canada. Press bed drive. 2,483,121, Sept. 27.
- Bourdon, Eric R., Biloxi, Miss. Convertible play pen and crib. 2,477,231, July 26.
- Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Pulseux, Boulanger et Cie.), Clermont-Ferrand, France. Cable adapted to form the metal carcasses of pneumatic tires. 2,492,352, Dec. 27.
- Bourdunis, Constantine C., Chicago, Ill. Sander device. 2,489,005, Nov. 22.
- Bourgaize, Robert G., Tacoma, Wash. Inclinator. 2,460,675, Feb. 1.
- Bourgeois, Ernest W., assignee: *See*—Vigneault, Joseph.
- Bourland, Eli, Millbrae Highlands, assignor to Pacific Can Company, San Francisco, Calif. Can line divider. 2,472,563, June 7.
- Bourne, Edmund W., Jr., Ramona, Calif. Shaft seal. 2,488,465, Nov. 15.
- Bourne, Harry K.: *See*—Davies, Leonard J., and Bourne.
- Bourne, Harry K., Rugby, England, assignor to General Electric Company. Electric discharge lamp system and operation. 2,469,357, May 10.
- Bourne, Sarah E., Mount Rainer, Md. Shopper's combination carrier and conveyance. 2,459,865, Jan. 25.
- Bourne-Vanneck, Vincent P., London, England. Hydraulic tipping mechanism for vehicles. 2,476,694, July 19.
- Bourque, Omer, Putnam, assignor to Grosvenor-Dale Company, Inc., Grosvenor-Dale, Township of Thompson, Conn. Mechanism for weaving seersucker cloth. 2,489,231, Nov. 22.
- Bourquin, Jean-Pierre: *See*—Schmid, Otto, Bourquin and Grüssner.
- Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Cleansing device for ball bearing assemblies. 2,484,149, Oct. 11.
- Bousquet, John, Copiague, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Filling machine. 2,486,461, Nov. 1.
- Bousquet, Joseph A., assignee: *See*—Bergren, Julius.
- Boutillon, Henri, Suresnes, France; vested in the Attorney General of the United States. Volumetric liquid meter. 2,465,997, Apr. 5.
- Bouton, Edgar M., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,482,458, Sept. 20.
- Bouvet, René, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Winding system and apparatus. 2,458,555, Jan. 11.
- Bouvet, René, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Up-twister. 2,461,586, Feb. 15.
- Bouvet, René, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Liquid treatment apparatus for yarns. 2,478,230, Aug. 9.
- Bouvier, Maurice E., Saint Didier au Mont d'Or, and M. M. Mosnier, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Separation of isomeric substituted quinoline carboxylic acids and esters thereof. 2,462,939, Mar. 1.
- Bouwers, Albert, assignor to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands. Corrected Schmidt type optical system. 2,492,461, Dec. 27.
- Bouwkamp, Harvey L., and R. E. Kemp, assignors to American Seating Company, Grand Rapids, Mich. Presser foot attachment for French seam sewing machines. 2,481,286, Sept. 6.
- Bovee, Ransom Y., Van Nuys, assignor of one-fifth to E. E. Moore, Los Angeles, Calif. Necktie and collar combination. 2,470,973, May 24.
- Bovee, Ransom Y., Van Nuys, assignor of one-fifth to E. E. Moore, Los Angeles, Calif. Memo roll. 2,483,522, Oct. 4.
- Bovey, Donald E., assignor to Woodward Governor Company, Rockford, Ill. Electronic phase shifter. 2,474,886, July 5.
- Bow, Douglas S., Vancouver, British Columbia, Canada. Producer gas generator. 2,481,287, Sept. 6.
- Bowan, Walter J.: *See*—Mueller, Lucien W., Bowan, and Gould.
- Boward, Nellie M., Richmond, Va. Collapsible bathtub. 2,471,302, May 24.
- Bowden, Donald G.: *See*—De Heras, Armand, and Bowden.
- Bowden (Engineers) Limited, assignee: *See*—Melsom, Walter A.
- Bowden, James J., and J. S. Suda, Warren, Ohio, said Suda assignor to said Bowden. Preparing fluxing materials. 2,480,901, Sept. 6.
- Bowden, James H., and N. W. Muller, assignors to National Cylinder Gas Company, Chicago, Ill. Rotary contactor. 2,480,215, Aug. 30.
- Bowditch Company, The, assignee: *See*—Morrow, Harry M.
- Bowditch, Frederick W., Los Angeles, assignor of one-half to C. D. Shaw, Santa Monica, Calif. Bathing cap. 2,465,998, Apr. 5.
- Bowditch, Noel L., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Zero adjustment means. 2,470,333, May 17.
- Bowe, Leon E., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of alkali metals from ferro-phosphorus and alkali carbonates or hydroxides. 2,484,266, Oct. 11.
- Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupled cavity resonator and wave guide apparatus. 2,458,556, Jan. 11.
- Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resonator. 2,492,680, Dec. 27.
- Bowen and Company, Inc., assignee: *See*—Bowen, Felix W.
- Bowen, Edward L., McComb City, Miss. Reamer clamp for railroad car axles. 2,459,013, Jan. 11.
- Bowen, Griffith, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alcoholysis of polyvinyl esters. 2,464,290, Mar. 15.
- Bowen, Felix W., Chevy Chase, Md., assignor to Bowen and Company, Inc. Dual-speed drive for phonographs and sound recording machines. 2,491,949, Dec. 20.
- Bowen, Ira S., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Projectile flight recording multiple exposure camera. 2,460,163, Jan. 25.
- Bowen, James M., Cape May Court House, N. J., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Adjustable gauge wheel support. 2,487,847, Nov. 15.
- Bowen, Joseph M., West Quincey, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine forming and loading machine. 2,481,070, Sept. 6.
- Bowen, Samuel S., Owings Mills, Md. Low lift jack. 2,486,918, Nov. 1.
- Bowen, Thomas H., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical jumper line and clamp therefor. 2,472,000, May 31.
- Bowen, William J., and W. R. White, Berkeley, Calif. Shoe polish compact. 2,462,065, Feb. 22.
- Bower, Alfred H., assignee, trustee: *See*—Palmer, Lawrence F.
- Bower, Alvin L.: *See*—Puening, Franz, and Bower.
- Bower, Andrew W.: *See*—Juel, Harry N., Schroeder, and Bower.
- Bower, Armored D.: *See*—Bower, John O. and A. D.

- Bower, Clark D., Pomona, Calif., assignor, by mesne assignments, to Fairbanks, Morse & Co. Intermediate bearing retainer for deep well pumps. 2,465,425, Mar. 29.
- Bower, George D.: *See*—
Dube, John E., and Bower.
- Bower, George W., Harbor Creek, Pa., assignor to General Electric Company. Circuit controlling device. 2,483,122, Sept. 27.
- Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Method of and apparatus for deairing slips. 2,485,857, Oct. 25.
- Bower, John H., Broderick, Calif. Knockdown arrangement of bath compartments and accessories. 2,487,515, Nov. 8.
- Bower, John O., Wyncote, Pa. Synthetic blood suture and method. 2,457,804, Jan. 4.
- Bower, John O., Wyncote, Pa. Penicillin compositions. 2,477,171, July 26.
- Bower, John O., Wyncote, Pa. Spun suture. 2,484,813, Oct. 18.
- Bower, John O. and A. D., Wyncote, Pa., said A. D. Bower assignor to said J. O. Bower. Wound binding element and manufacture. 2,487,041, Nov. 8.
- Bower, Joseph E., Milwaukee, Wis. Flue cleaning implement with blade flexibly connected to shaft. 2,484,267, Oct. 11.
- Bower Roller Bearing Company, assignee: *See*—
Hommel, Charles L.
- Bower, Stewart P., and F. P. Warrick, Detroit, Mich. Electric light receptacle. 2,490,576, Dec. 6.
- Bowerman, Edwin R., Jr., assignor to Sylvania Electric Products Inc., Emporium, Pa. Pickling metal contact surfaces. 2,472,786, June 14.
- Bowerman, Hulie E., Grand Prairie, and G. C. Waldrop, Irving, Tex. Swab for oil wells. 2,466,572, Apr. 5.
- Bowers, Carl E., Los Angeles, Calif. Toy riding spur. 2,468,918, May 3.
- Bowers, Charles E., Moylan, assignor to Fibre Metal Products Company, Chester, Pa. Protecting helmet. 2,469,810, May 10.
- Bowers, Charles E., Moylan, assignor to Fibre Metal Products Company, Chester, Pa. Auxiliary eye and face shield for welding helmets. 2,487,848, Nov. 15.
- Bowers, Elizabeth M., administratrix: *See*—
Bowers, Thomas A.
- Bowers, Frederick H., Kalamazoo, Mich. Pocket pyrophoric lighter. 2,480,317, Aug. 30.
- Bowers, Jack L., San Diego, Calif. Voltage regulator. 2,461,514, Feb. 15.
- Bowers, Herbert L., Greiner Road, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Aircraft and undercarriage therefor. 2,463,351, Mar. 1.
- Bowers, Thomas A., deceased, late of Brookline, Mass., by E. M. Bowers, administratrix, Brookline, Mass., assignor, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio. Apparatus for sizing and setting articles such as piston rings. 2,478,231, Aug. 9.
- Bowes, Paul E., assignor to Columbian Rope Company, Auburn, N. Y. Low-pressure molding. 2,462,940, Mar. 1.
- Bowes, Thomas D., Cynwyd, and F. Schulte, Philadelphia, Pa., said Schulte assignor to said Bowes. Dynamoelectric machine transmission unit. 2,465,006, Mar. 22.
- Bowes, Thomas D., Cynwyd, Pa. Ship and loading gear. 2,480,318, Aug. 30.
- Bowie, Robert M., Emporium, Pa., assignor to Sylvania Electric Products Inc. Timing and phase control circuits. 2,470,464, May 17.
- Bowie, Robert M., Manhasset, N. Y., assignor to Sylvania Electric Products, Inc. Electron discharge device. 2,492,618, Dec. 27.
- Bowlard, Richard, assignor to Sampsel Time Control, Inc., Spring Valley, Ill. Thermostatic switch. 2,480,216, Aug. 30.
- Bowlus, Omer E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. High-frequency induction heating device. 2,481,071, Sept. 6.
- Bowlzer, Alfred H., Jr., Inglewood, Calif. Door latch. 2,469,430, May 10.
- Bowman Dairy Company, assignee: *See*—
Geiss, Albert E., and Montgomery.
- Bowman, David F., Bayside, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wave-signal directional coupler. 2,486,818, Nov. 1.
- Bowman, Hyman D., Raleigh, N. C. Illuminated electric razor frame. 2,479,666, Aug. 23.
- Bowman, Jay, assignor to A. W. Brickman, V. Conquest, F. J. Madden, W. B. Oleson, and E. T. Filbey, as trustees for the American Meat Institute Foundation, Chicago, Ill. Processing meat products. 2,488,164, Nov. 15.
- Bowman, Jay, and B. W. Beadle, assignors to A. W. Brickman, V. Conquest, F. J. Madden, W. B. Oleson, and E. T. Filbey, as trustees for American Meat Institute Foundation, Chicago, Ill. Processing meat products. 2,488,165, Nov. 15.
- Bowman, John, Elyria, Ohio. Billiard cue lock. 2,482,240, Sept. 20.
- Bowman, John R., Pittsburgh, and F. F. Versaw, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for producing minute orifices. 2,463,239, Mar. 1.
- Bowman, John R., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Calculating machine for solving simultaneous equations. 2,469,627, May 10.
- Bowman, John R., and W. P. Ridenour, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Manufacture of refined paraffin wax. 2,467,959, Apr. 19.
- Bowman, John R., and R. T. Steinback, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Calculating machine. 2,469,628, May 10.
- Bowman-Manifold, Michael: *See*—
Cork, Edward C., and Bowman-Manifold.
- Bowman-Manifold, Michael, Ealing, London, England, assignor to Electric and Musical Industries Ltd. Electron discharge device. 2,460,332, Feb. 1.
- Bowman, Norman J.: *See*—
Coover, Harry W., and Bowman.
- Bowman, Paul M., St. Louis, Mo. Eyeglass holder. 2,467,251, Apr. 12.
- Bowman, Robert S.: *See*—
Slagle, Kenneth H., and Bowman.
- Bowman, Robert S., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Purification of gamma-picoline. 2,459,146, Jan. 18.
- Bowman, Robert S., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Purification of beta-picoline. 2,459,359, Jan. 18.
- Bowman, Wade W., New York, N. Y. Beverage dispenser. 2,462,019, Feb. 15.
- Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dictation recording system. 2,489,396, Nov. 29.
- Bowser, Inc., assignee: *See*—
Blum, Hosmer L.
- Bowser, Percy L., Jr.: *See*—
Venner, William M., and Bowser, Jr.
- Bowser, S. F., & Company, Ltd., assignee: *See*—
Passman, Charles.
- Boyajiam, Aram: *See*—
Camilli, Guglielmo, and Boyajiam.
- Boyajian, Alfred Z.: *See*—
Gitz, John, and Boyajian.
- Boyce, Charles L.: *See*—
Lavin, Edward, and Boyce.
- Boyce, John, San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Powder cooler. 2,484,070, Oct. 11.
- Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,481,566, Sept. 13.
- Boyce Thompson Institute for Plant Research, Inc., assignee: *See*—
Prill, Edward A.
Synerholm, Martin E.
- Boyd, Cecil P., Gettysburg, Pa. Wall cabinet having a vertically swingable section. 2,473,239, June 14.
- Boyd, Fisher L., West Chester, and L. W. Boerner, Newton Square, assignors to National Foam System, Inc., Philadelphia, Pa. Fire extinguishing foam tube and spray head. 2,478,998, Aug. 16.
- Boyd, Frederick, Montgomery, Ala. Vibrating and massaging apparatus. 2,467,007, Apr. 12.
- Boyd, George T. and H. T., Albert Lea, assignors of one-fourth to G. A. Thompson, Minneapolis, and one-fourth to R. I. Davies, Albert Lea, Minn. Wire bound box closing tool. 2,459,491, Jan. 18.
- Boyd, Henry T.: *See*—
Boyd, George T. and H. T.
- Boyd, John, Pittsburgh, and R. A. Bice, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing articles of manufacture. 2,462,158, Feb. 22.
- Boyd, Raymond D., San Antonio, Tex. Brake shoe clamp. 2,476,533, July 19.
- Boyd, Wilton E., Jr., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Dual-speed phonograph turntable drive utilizing two motors. 2,490,667, Dec. 6.
- Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Vibration absorbing means for business machines or the like. 2,489,696, Nov. 29.
- Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Differential actuating mechanism. 2,490,200, Dec. 6.
- Boyden, Robert E., Los Angeles, Calif. Fireplace screen. 2,491,707, Dec. 20.
- Boyden, Robert E., assignor to Clary Multiplier Corporation, Los Angeles, Calif. Type wheel detent means on calculating machines. 2,492,263, Dec. 27.
- Boyden, Robert E., and G. G. Alton, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Cover for calculating machines and the like. 2,492,262, Dec. 27.
- Boydston, Willard R., Baker, Oreg. Post driver. 2,470,974, May 24.
- Boye & Emmes Machine Tool Company, The, assignee: *See*—
Laubach, Howard E., Johnson, and Kramer.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Festoon bracket. 2,470,233, May 17.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Brace for doors and the like. 2,472,936, June 14.

- Boye, James H., Manufacturing Company, assignee: *See*—Boye, James H.
- Boye Needle Company, The, assignee: *See*—Carlson, Gustav A.
- Boyer, Alva L., Los Angeles, Calif. Educational puzzle. 2,480,902, Sept. 6.
- Boyer, Charles F., Allentown, Pa. Safety device for pneumatic tools. 2,471,604, May 31.
- Boyer, Frederick G. L., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Grinding device. 2,479,095, Aug. 16.
- Boyer, Howard B., assignor of one-third to W. R. Goss, Eugene, Oreg. Demountable rims for tires. 2,469,629, May 10.
- Boyer, Martin, assignor of one-fourth to B. A. McIver, Lowry, Minn. Mowing machine guard. 2,475,349, July 5.
- Boyer, Myron, assignee: *See*—Einhart, Harvey A.
- Boyer, Ralph K., assignor to Designers for Industry, Inc., Cleveland, Ohio. Hair drier. 2,471,405, May 31.
- Boyer, Raymond F.: *See*—Matheson, Lorne A., and Boyer.
- Boyer, Raymond F., L. A. Matheson, and R. C. Reinhardt, assignors to The Dow Chemical Company, Midland, Mich. Heat stable compositions comprising polymeric vinylidene chloride and phenothioxine or certain derivatives thereof. 2,462,352, Feb. 22.
- Boyer, William J., Baltimore, Md. Thermally stable colorimeter. 2,483,875, Oct. 4.
- Boyer, William J., Baltimore, Md. Photometric apparatus. 2,483,876, Oct. 4.
- Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency control system. 2,473,853, June 21.
- Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,476,804, July 19.
- Boykin, Robert O., Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Milling machine. 2,485,858, Oct. 25.
- Boykins, George A., Bronx, N. Y. Marraccas rattling device. 2,475,542, July 5.
- Boylan, Gove S.: *See*—Collins, Douglas, and Boylan.
- Boylan, Lawrence, Grants Pass, Oreg. Rock picking machine. 2,479,719, Aug. 23.
- Boylan, Louis A., assignor to Valentine Laboratories, Inc., Chicago, Ill. Counting machine for tablets and the like. 2,479,667, Aug. 23.
- Boyle, Edward J., Oak Ridge, Tenn., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc-copper-titanium alloys. 2,472,402, June 7.
- Boyle, Frank A., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Die unit for punching machines. 2,489,559, Nov. 29.
- Boyle, Homer G., Dobbs Ferry, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Cathode-ray tube focusing circuit. 2,458,891, Jan. 11.
- Boyle, Homer G., Dobbs Ferry, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Cathode-ray projection tube. 2,482,151, Sept. 20.
- Boyle, Hubert G., Chicago, Ill. Hat shape retainer for men's hats. 2,492,264, Dec. 27.
- Boyle, James F., Teaneck, assignor to Air Cruisers, Inc., Clifton, N. J. Pneumatic landing gear for helicopters and like aircraft. 2,465,193, Mar. 22.
- Boyle, James M., New York, N. Y. Mixer and grinder. 2,483,453, Oct. 4.
- Boyle, John D., Greenwich, Conn. Mortised block puzzle. 2,469,364, May 10.
- Boyle, John R., Chicago, Ill., assignor to Betz Corporation, Hammond, Ind. Liquid distributor for refrigerating systems. 2,461,876, Feb. 15.
- Boyle-Midway Inc., assignee: *See*—Kamlet, Jonas.
- Boyle, Ralph C.: *See*—Rosenthal, William C., and Boyle.
- Boyle, William R., assignor to The Rover Company Limited, Solihull, England. Liquid fuel supply system for internal-combustion engines. 2,485,186, Oct. 18.
- Boyles, Robert L., Framingham, Mass., assignor to Telechron, Inc. One-way worm gear lock. 2,489,077, Nov. 22.
- Boynton, Alexander, deceased, San Antonio, Tex.; S. S. Martin, executrix. Flow intermitter for cased wells. 2,470,681, May 17.
- Boynton, Carl S.: *See*—O'Brien, Joseph F., and Boynton.
- Boynton, Harold, Detroit, Mich. Clothespin. 2,488,958, Nov. 22.
- Boynton, Harold D., Aurora, Ill. Wool or wool noll ball. 2,478,232, Aug. 9.
- Boynton, Wentworth D., Woodbrook, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing conductors. 2,476,278, July 19.
- Boynton, Wentworth D., Woodbrook, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical continuity. 2,476,279, July 19.
- Boynton, Wentworth D., Woodbrook, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Connector. 2,477,955, Aug. 2.
- Boynton, Wentworth D., C. E. Lewis, and G. R. Page, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Insulation testing device. 2,488,578, Nov. 22.
- Boypower, Inc., assignee: *See*—Fosbender, Elmer K.
- Bozeman, Virgil F., Sr., Moline, C. W. Walz and R. D. Griff, Rock Island, and H. F. Clausen, assignors to Deer & Company, Moline, Ill. Beet harvester. 2,470,211, May 17.
- Bozeman, Virgil F., and H. F. Clausen, assignors to Deer & Company, Moline, Ill. Drive means for rotary rod weeder. 2,488,265, Nov. 15.
- Bozoti, Joseph, Parma, Ohio. Fastening brackets to walls. 2,490,854, Dec. 13.
- Braak, Dirk J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tranceiver circuit arrangement. 2,477,039, July 26.
- Braasch, Clara R., Denver, Colo. Insole-type appliance. 2,480,997, Sept. 6.
- Braaten, Oscar M., Rock Island, Ill. Tool for dressing grinding wheels. 2,469,365, May 10.
- Brabazon, Albert, Flushing, N. Y. Pastry roller device. 2,490,616, Dec. 6.
- Brabbin, David B., Ashland, Oreg. Pneumatic tire lifting machine. 2,477,858, Aug. 2.
- Brabender, George J., and J. W. Bard, Wausau, Wis., and J. M. Daily, Portland, Oreg., assignors to J. M. Daily, Portland, Oreg., F. L. Daily, Chicago, Ill., and J. F. Ryan, McAllen, Tex. Bleaching cellulosic pulp. 2,466,633, Apr. 5.
- Brach, L. S., Mfg. Corp., assignee: *See*—Cejka, Joseph B. Potter, James L.
- Brachman, Philip R., and O. C. Sonntag, Chicago, Ill. Treating clubfeet. 2,482,646, Sept. 20.
- Brack, Dennis L., Fort Worth, Tex., assignor to the United States of America as represented by the Secretary of War. Tank-wall grenade mounting. 2,476,479, July 19.
- Bracke, R. F., & Company, assignee: *See*—Bracke, Robert F.
- Bracke, Robert F., Arlington Heights, assignor to R. F. Bracke & Company, Chicago, Ill. Two-cycle engine and operating same. 2,481,901, Sept. 13.
- Brackett, Frederick S., Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of War. Dual periscopic sight. 2,492,353, Dec. 27.
- Brackett, John, New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Disintegration of moist fibrous alkali cellulose masses. 2,480,998, Sept. 6.
- Bracy, Benjamin F., and E. A. Daley, Belleville, Ill. Control for electric circuits. 2,490,251, Dec. 6.
- Bradbury, Abraham T., Atlanta, Ga. Door arrester. 2,480,701, Aug. 30.
- Bradbury, Donald, Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making bearings. 2,480,114, Aug. 30.
- Bradbury, Tennyson F., Darley Abbey, assignor to Rolls-Royce Limited, Derby, England. Aluminium copper alloy. 2,459,492, Jan. 18.
- Braddick, Henry J. J., and J. S. L. Philpot, Farnborough, England. Gyroscope. 2,479,304, Aug. 16.
- Braddon, Frederick D., Babylon, N. Y., assignor to The Sperry Corporation. Gyro vertical. 2,477,574, Aug. 2.
- Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,460,869, Feb. 8.
- Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Microwave device. 2,470,802, May 24.
- Braden, René A., Hopewell, N. J., assignor to Radio Corporation of America. Adjustable coupling transformer. 2,477,475, July 26.
- Bradford, Arthur J., Wilmette, Ill., assignor to Technical Service Inc., Detroit, Mich. Foldable support. 2,480,702, Aug. 30.
- Bradford, Colin I., and P. F. Darby, Fairfield, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Oscillograph control circuit. 2,466,924, Apr. 12.
- Bradford Novelty Co., Inc., assignee: *See*—Rodd, Albert E.
- Bradford, William O., and E. G. Zapor, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Tuning means comprising variable condenser and adjustable inductor of the mechanically deformable type. 2,459,493, Jan. 18.
- Bradley, Allen, Company, assignee: *See*—Thomson, Homer G.
- Bradley, Charles E., Jr., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Coating composition containing polyethylacrylate and a chlorinated hydrocarbon polymer. 2,468,480, Apr. 26.
- Bradley, Dan T., Shaker Heights, assignor to Harris Products Company, Cleveland, Ohio. Rubber bushing. 2,467,548, Apr. 19.
- Bradley, Frederick E., Wantagh, N. Y. Full view record wallet. 2,487,302, Nov. 8.

- Bradley, George G., Great Neck, and H. F. Mohr, Lynbrook, N. Y., assignors to Radio Corporation of America. Dual control and lockout means for telephone stations. 2,458,557, Jan. 11.
- Bradley, George G., Great Neck, N. Y., assignor to Radio Corporation of America. Radiotelephone equipment. 2,458,558, Jan. 11.
- Bradley, George H., assignor of one-half to H. L. Doudna, Delavan, Wis. Hair singeing device. 2,491,708, Dec. 20.
- Bradley, Harry P., Cuyahoga Falls, and J. L. Dum, assignors to The Firestone Tire & Rubber Co., Akron, Ohio. Metal bonded by means of chlorinated rubber adhesives containing a polyalkylene polyamine. 2,459,742, Jan. 18.
- Bradley, J. D., assignee: *See—*
Canon, Andrew J.
- Bradley, Jacob J., Philadelphia, Pa. Waste heat apparatus. 2,488,166, Nov. 15.
- Bradley, James E., Chicago, Ill. Musical instrument. 2,483,617, Oct. 4.
- Bradley, Leon H., Independence, and J. T. Jennings, Jr., assignors to Butler Manufacturing Company, Kansas City, Mo. Auxiliary suspension assembly for vehicles. 2,481,817, Sept. 13.
- Bradley, Milton, Company, assignee: *See—*
Robbins, Robert L., Jr.
- Bradley, Robert E., Lansing, and J. S. Sherer, Jr., Grosse Pointe Farms, assignors to Reo Motors, Inc., Lansing, Mich. Lawn mower wheel. 2,479,810, Aug. 23.
- Bradley, Schuyler L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,473,854, June 21.
- Bradley, Schuyler L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system for synchronous condensers. 2,476,805, July 19.
- Bradley, Thomas H., Monterey, Calif. Fish eviscerating apparatus. 2,477,168, July 26.
- Bradley Washfountain Co., assignee: *See—*
Mullett, Howard G., and Sevedge.
- Bradley, William: *See—*
Berger, Frank M., Bradley, and Sayer.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical system. 2,459,732, Jan. 18.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Magnetic transducing apparatus utilizing a helical sound trace. 2,461,368, Feb. 8.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Radio wave guide. 2,471,021, May 24.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Ultra high frequency coupling. 2,473,274, June 14.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Automatic frequency control circuit for frequency modulation television systems. 2,481,902, Sept. 13.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Ultra high frequency measuring device. 2,483,802, Oct. 4.
- Bradley, William E., Swarthmore, assignor by mesne assignments, to Philco Corporation, Philadelphia, Pa. Signal transmission system. 2,484,798, Oct. 11.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Frequency stabilizer for oscillators. 2,485,029, Oct. 18.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency transmission system. 2,485,030, Oct. 18.
- Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency transmission system. 2,485,031, Oct. 18.
- Bradley, William E., Springfield Township, Montgomery County, and J. C. Teller, Penn Wynne, assignors to Philco Corporation, Philadelphia, Pa. Oscillator circuits. 2,469,811, May 10.
- Bradley, William E., Swarthmore, and H. E. Tomkins, Springfield Township, Delaware County, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Frequency stabilizing system. 2,475,074, July 5.
- Bradley, William H., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine control mechanism. 2,471,717, May 31.
- Bradley, William H., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine control. 2,478,565, Aug. 9.
- Bradner, John A., assignor to The Lees-Bradner Company, Cleveland, Ohio. Machine for hobbing gears. 2,481,974, Sept. 13.
- Bradner, Mead, Walpole, and Albert Allen, Sharon, assignors to The Foxboro Company, Foxboro, Mass. Roll surface temperature measuring device. 2,480,703, Aug. 30.
- Bradwell, Robert H., and J. D. Brock, Dalton, assignors, by mesne assignments, to Russell-Lacey Manufacturing Company, Incorporated, Fairmount, Ga. Tufting machine. 2,482,647, Sept. 20.
- Brady, David R., Detroit, Mich., assignor to Owens-Corning Fiberglass Corporation. Surgical bandage. 2,477,403, July 26.
- Brady, Francis E., Jr., Muncie, Ind. Method and apparatus for cleansing water-cooling systems and the like. 2,458,333, Jan. 4.
- Brady, Francis E., Jr., Muncie, Ind. Sealing unit. 2,467,960, Apr. 19.
- Brady, George T., Waltham, Mass., assignor to Branson Instruments, Inc., Stamford, Conn. Electrical apparatus for measuring metal thicknesses. 2,476,943, July 19.
- Brady, George W., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Rib reinforcing means for propeller blades. 2,458,975, Jan. 11.
- Brady, James E., Dallas, Tex. Nail remover. 2,477,956, Aug. 2.
- Brady, James M., Washington, D. C. Wind vane operated control system. 2,465,999, Apr. 5.
- Brady, Wilson M., Catonsville, Md. Iron support. 2,472,244, June 7.
- Brady, Wilson M., Catonsville, Md. Jewelry display. 2,481,903, Sept. 13.
- Braga, Armand: *See—*
Reiner, Kenneth, and Braga.
- Braga, Armand, assignee: *See—*
Reiner, Kenneth, and Braga.
- Bragdon, Thomas, C. S. J. MacNeil, J. Stuart, III, and T. Williams, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Aircraft propeller. 2,465,007, Mar. 22.
- Bragg, Edward B.: *See—*
Abbott, Ernest J., Chaney, and Bragg.
- Bragg, Leslie B., Scotch Plains, N. J., and C. A. Schwarzler and C. J. Brown, Foxboro, Mass., assignors to Foster Wheeler Corporation, New York, N. Y. Apparatus for the distillation and fractionation of composite liquids and control means therefor. 2,476,280, July 19.
- Braeg, Herman E., St. Mary's College, Calif. Anatomical instruction device. 2,482,034, Sept. 27.
- Brahe, Dan S. and L. B., New Hartford, N. Y. Package coin inserting machine. 2,487,303, Nov. 8.
- Brahe, Lena B.: *See—*
Brahe, Dan S. and L. B.
- Brahm, Harry, Balboa, C. Z. Air circulating insole. 2,474,815, July 5.
- Brahmer, Leland F.: *See—*
Hanna, Raymond P., and Brahmer.
- Brainard, Maurice W., assignor of one-half to O'Keefe and Merritt Company, Los Angeles, Calif. Rotor for dynamo-electric machines. 2,475,776, July 12.
- Brainard, Maurice W., assignor of one-half to O'Keefe and Merritt Company, Los Angeles, Calif. Permanent magnet rotor. 2,485,474, Oct. 18.
- Brainerd, Wilbur G., Wichita, Kans. Demountable conveyor trough. 2,465,145, Mar. 22.
- Braitberg, Leo D.: *See—*
Friedman, Harris L., and Braitberg.
- Braithwaite, Albert W.: *See—*
Alexander, Emmett L., and Braithwaite.
- Brakeley, Paul W., Jr.: *See—*
Young, David W., and Brakeley.
- Brakeley, Paul W., Jr., Plainfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Low-temperature polymerization process. 2,474,571, June 28.
- Braker, William: *See—*
Lott, William A., and Braker.
- Braker, William, Newark, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. 2-sulfanilamido-pyrimidines having an acetal substituent in the pyrimidine nucleus. 2,484,606, Oct. 11.
- Brakman, Abram L., Rochester, N. Y. Dusting brush for vacuum cleaners. 2,469,256, May 3.
- Brale, William J., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Receptacle for dispensing paper sheets. 2,475,657, July 12.
- Bralove, Bernard R., Washington, D. C. Self-contained visual signal for calling attendant. 2,465,426, Mar. 29.
- Bramberry, Harry M., New Castle, Ind. Piston ring tool thimble. 2,465,427, Mar. 29.
- Bramberry, Harry M., New Castle, Ind. Composition for treating metallic wear surfaces. 2,470,136, May 17.
- Bramberry, Harry M., Sr., assignee: *See—*
Jones, Cernyw F.
- Bramble, John H.: *See—*
Ford, James G., and Horstman, and Bramble.
- Bramblett, Ardrey M.: *See—*
Schilling, Ernest W., and Bramblett.
- Bramley, Sylvanus W., White Plains, N. Y. Electrical switch. 2,490,013, Dec. 6.
- Bramming, Carl, Anderson, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Portable stove for burning liquid fuel. 2,465,572, Mar. 29.
- Bramming, Carl, Anderson, Ind., assignor to Aladdin Industries, Incorporated. Fuel valve and nozzle cleaning mechanism for portable liquid fuel burners. 2,478,364, Aug. 9.
- Bramwyche, Peter L., London, and M. Mugdan, Richmond, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of vinyl ether and its homologues. 2,482,725, Sept. 20.
- Branco Corporation, The, assignee: *See—*
Brandon, Martin, and Robinson.
- Brancone, Louis: *See—*
Kushner, Samuel, and Brancone.

- Brand, Daniel T. D., Johannesburg, Transvaal, Union of South Africa. Trailer for motor vehicles. 2,490,014, Dec. 6.
- Brand, Samuel, Binghamton, and C. E. Connolly, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Perforated record sensing device. 2,475,307, July 5.
- Brandau, Marvin W.: *See*—
Main, Benjamin A., Jr., and Brandau.
- Brandau, William F.: *See*—
Polye, William R., and Brandau.
- Brandell, Elmer, assignee: *See*—
Neal, Ernest C.
- Brandenburg, Stanley A.: *See*—
Bickel, Clifford A., Brandenburg, and Foster.
- Brandes, Arthur, Arcadia, assignor to Worley and Company, Pico, Calif. Cashbox. 2,465,057, Mar. 22.
- Brandl, Willi, Zurich, Switzerland. Apparatus for making infusions. 2,459,305, Jan. 18.
- Brandner, John D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Removal of reducing sugar from polyhydric alcohol compositions. 2,463,677, Mar. 8.
- Brandon, Alvin J., Stratford, Ontario, Canada. Foot-holding sling for children's high chairs or the like. 2,467,252, Apr. 12.
- Brandon, George E., East Orange, N. J., assignor to Allied Chemical & Dye Corporation. Coking high volatile coal involving incorporation therein of a limited amount of blast furnace fine dust. 2,473,987, June 21.
- Brandon, George M., Tallahassee, Fla. Cushion vehicle wheel. 2,461,257, Feb. 8.
- Brandon, Howard, assignee: *See*—
Nelson, Noble A.
- Brandon, Joseph J., Carteret, N. J., and R. J. Etherington, Detroit, assignors to Evans Products Company, Plymouth, Mich. Variable pitch fan blade assembly. 2,479,668, Aug. 23.
- Brandon, Martin, Villa Park, and F. P. Robinson, Glenview, assignors to The Branco Corporation, Chicago, Ill. Door for bulk commodity railroad cars. 2,483,523, Oct. 4.
- Brandon, Richard C.: *See*—
Jones, Minor C. K., and Brandon.
- Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Azeotropic distillation of 2,3-dimethylbutadiene from methyl pentadiene. 2,459,410, Jan. 18.
- Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic hydrogenation of triisobutylene. 2,461,959, Feb. 15.
- Brandon, Richard C., Elizabeth, and M. C. K. Jones, Mountinside, N. J., assignors to Standard Oil Development Company. The distillation of a mixture of hydrocarbons. 2,472,463, June 7.
- Brandt, Allen J., assignee: *See*—
McGuinness, Michael F.
- Brandt, Carl D.: *See*—
Dudley, John S., and Brandt.
- Brandt, Francis L., Jr., Saugus, Mass. Heel brace. 2,476,806, July 19.
- Brandt, Francis L., Jr., Saugus, assignor to Thomson Electric Welder Co., Lynn, Mass. Transformer control circuit. 2,489,697, Nov. 29.
- Brandt, Henry E., North St. Paul, Minn. Plunger structure. 2,461,106, Feb. 8.
- Brandt, Lewis L., Kansas City, Kans. Fish lure. 2,482,648, Sept. 20.
- Brandt, Mathilde J., New York, N. Y. Face powder container. 2,466,875, Apr. 12.
- Brandt, Preston L., Galveston, assignor to Pan American Refining Corporation, Texas City, Tex. Vinyl resins plasticized with polyalkylnaphthalenes. 2,477,717, Aug. 2.
- Brandt, Robert E.: *See*—
Gibbs, Thomas B., and Brandt.
- Brandt, Robert J., Hollywood, Calif. Extension lamp support. 2,479,720, Aug. 23.
- Brandt, Robert J., Los Angeles, Calif. Mask for photographic lamps. 2,489,172, Nov. 22.
- Brandys, Matthew, Chicago, Ill. Garment blocking and drying device. 2,487,017, Nov. 1.
- Brannon, Herbert E., deceased, Dryden, Mich.; C. W. Hayner, administrator, Spool. 2,465,573, Mar. 29.
- Brannon, James L., Plainfield, N. J., assignor to Bakelite Corporation. Onium-catalyzed phenolic resins. 2,475,005, July 5.
- Branscomb, Lewis L.: *See*—
Taylor, George E., Metcalf, and Branscomb.
- Bransfield, James T., Evanston, Ill. Finger-steadying device. 2,479,601, Aug. 23.
- Bransky, David W., Chicago, Ill., and N. E. Lemmon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Recovery of sulfonic compounds from sulfuric acid sludge. 2,479,202, Aug. 16.
- Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator. 2,463,599, Mar. 8.
- Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Safety type thermostat. 2,471,514, May 31.
- Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Device responsive to variable density. 2,491,548, Dec. 20.
- Branson, David E., River Edge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,477,232, July 26.
- Branson, Edward H., assignor to General Railway Signal Company, Rochester, N. Y. Recorder actuated by electrically heated wires. 2,480,443, Aug. 30.
- Branson Instruments, Inc., assignee: *See*—
Brady, George T.
- Branson, Norman G., Schenectady, N. Y., assignor to General Electric Company. Tracer control system. 2,492,731, Dec. 27.
- Branson, Otis L., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,469,325, May 3.
- Brant, David O., Beverly Hills, Calif. Variable delivery rotary pump. 2,468,734, May 3.
- Brant, David O., Beverly Hills, Calif. Apparatus for liquefying frozen food products. 2,478,893, Aug. 16.
- Brant, David O., Beverly Hills, Calif. Milk strainer. 2,483,000, Sept. 27.
- Brant, Ernest H., London, England, assignor to Celanese Corporation of America. Roller support for ball mills. 2,484,873, Oct. 18.
- Brant, Gilbert W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol casting solution. 2,491,642, Dec. 20.
- Brant, Joseph H.: *See*—
Hasche, Rudolph L., and Brant.
- Brasefield, Charles J., Little Silver, N. J. Condition responsive indicating device. 2,463,510, Mar. 8.
- Brasington, Bennie T.: *See*—
Brasington, John J., and B. T.
- Brasington, John J., and B. T., Gainesville, assignors to W. E. Bigham, Jr., and A. Miller, Brookier, Fla. Warning light for motor vehicles. 2,478,178, Aug. 9.
- Brassel, Jakob: *See*—
Straub, Fritz, and Brassel.
- Brassell, Bryan, Santa Rosa, N. Mex. Control instrumentality. 2,468,652, Apr. 26.
- Brassell, Bryan, Santa Rosa, N. Mex. Self-reversing power jack. 2,473,566, June 21.
- Brassert, H. A., & Company, assignee: *See*—
Brassert, Herman A.
- Brassert, Herman A., Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y. Manufacturing metal products. 2,457,861, Jan. 4.
- Brastad, William A., and L. F. Borchardt, Minneapolis, Minn., assignors to General Mills, Inc. Recording process utilizing the magnetic field of a current conducted by the record member. 2,483,398, Oct. 4.
- Brasty, Joseph, Maple Heights, assignor to Lamp Hardware, Inc., Cleveland, Ohio. Articulated bracket for bridge lamp arms or the like. 2,488,898, Nov. 22.
- Braswell, Charles W., Long Beach, Calif. Nonslip golf glove. 2,474,030, June 21.
- Braswell, Reuben A., Decatur, Ga. Paintbrush holder. 2,487,516, Nov. 8.
- Bratby and Hinchliffe Limited, assignee: *See*—
Clarke, Leslie.
- Bratrud, Otto M., Seattle, Wash. Glue spreader and paper cutter. 2,483,750, Oct. 4.
- Bratton, Francis H.: *See*—
Calfee, John D., and Bratton.
- Bratton, Francis H., Canton, Ohio. Making turbine wheel forgings. 2,487,304, Nov. 8.
- Brauer, Walter, Ingleside, Tex. Lawn mower. 2,484,071, Oct. 11.
- Braun, Alfred E., assignee: *See*—
Cabill, Overton J.
- Braun, C. F., & Co., assignee: *See*—
Wessman, Arnold.
- Braun, Carl C., Stamford, Conn., assignor to Smith Metal Arts Company, Inc., Buffalo, N. Y. Desk lamp. 2,462,941, Mar. 1.
- Braun, Charles A., Perrysburg, assignor to The De Vilbiss Company, Toledo, Ohio. Spray booth. 2,486,251, Oct. 25.
- Braun, Frank C., New York, N. Y. Floral support. 2,473,855, June 21.
- Braun, Gideon, Columbus, Nebr. Faceplate for wood lathes. 2,469,630, May 10.
- Braun, Ludwig, assignor to The Budd Company, Philadelphia, Pa. Automobile roof and end wall. 2,466,366, Apr. 5.
- Braun, Ludwig, assignor to The Budd Company, Philadelphia, Pa. Method of and means for making automobile roofs and stamping for such roofs. 2,466,367, Apr. 5.
- Braun, William F. H., Philadelphia, Pa. Gear cutting machine. 2,465,707, Mar. 29.

- Braun, William L., Norwalk, Conn., assignor, by mesne assignments, to Carrotting Machine & Chemicals Co., Inc., Newark, N. J. Fur carrotting machine. 2,479,466, Aug. 16.
- Braund, Robert W., Ishpeming, Mich., assignor to Inland Steel Company, Chicago, Ill. Treating low-grade iron ores. 2,468,586, Apr. 26.
- Brauner, Oscar C., Boston, Mass., assignor, by mesne assignments, to Darworth, Inc., Simsbury, Conn. Making metallic naphthenates and soaps. 2,466,925, Apr. 12.
- Braunlich, Mills W., Philadelphia, Pa. Sight alignment attachment for surveying instruments. 2,485,558, Oct. 25.
- Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Incandescent lamp. 2,462,837, Mar. 1.
- Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Metallic filament incandescent electric lamp and the manufacture thereof. 2,489,261, Nov. 29.
- Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Manufacture of sealed lighting unit. 2,490,776, Dec. 13.
- Bray, Alfred, & Sons Limited, assignee: *See—* Staples, Frederick.
- Bray, Frederick H., and F. E. Newton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Circuits for generating electric impulses. 2,462,066, Feb. 22.
- Bray, Mark W.: *See—* Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
- Brayshaw, Ernest E., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Straightening apparatus. 2,460,164, Jan. 25.
- Brazier, Leslie G., and D. T. Hollingsworth, assignors, by mesne assignments, to British Insulated Callender's Cables Limited, London, England. Sealing end for high-voltage electric cables. 2,474,930, July 5.
- Brazil, Edward L., Crows Landing, Calif. Contactor. 2,487,517, Nov. 8.
- Brazil, John H., assignor to Chrysler Corporation, Highland Park, Mich. Making bumpers. 2,481,072, Sept. 6.
- Breadner, Robert L., Kenton, H. G. Jenkins, Pinner, and C. H. Simms, Twickenham, England, assignors to General Electric Company. Electric discharge envelope. 2,491,847, Dec. 20.
- Breadner, Robert L., Kenton, C. H. Simms, Twickenham, and J. W. Harris, North Wemby, England, assignors to General Electric Company. Manufacturing a glass blank. 2,491,848, Dec. 20.
- Breault, Delphis C., Lowell, Mass. Pressure regulating valve. 2,471,859, May 31.
- Brecher, Samuel, New York, N. Y. Fastener device for picture frames. 2,489,477, Nov. 29.
- Brecht, Winston A.: *See—* Atwell, Clarence A., and Brecht.
- Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive axle drive mechanism. 2,482,459, Sept. 20.
- Breck, Lawrence W., Cleveland, Ohio. Antifreeze appliance. 2,471,718, May 31.
- Breckenridge, Frank, Newton, Iowa. Retractable washer in cabinet. 2,481,193, Sept. 6.
- Brecker, George A., Pottsville, assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Connecting sleeve for dynamite cartridges. 2,481,814, Sept. 13.
- Bredlik, Vladimir: *See—* Williams, Ralph O., and Bredlik.
- Breejen, Adrian D.: *See—* Luce, Roy L., and Breejen.
- Breen, Stanley, Elgin, assignor to Operadio Manufacturing Co., St. Charles, Ill. Electrical apparatus. 2,466,634, Apr. 5.
- Breen, Stanley, Cambridge, and L. J. Chu, Brookline, Mass., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of War. Antenna. 2,465,673, Mar. 29.
- Breen, Stanley L., Cambridge, L. J. Chu, Brookline, and C.-S. Pao, Cambridge, Mass., assignors by mesne assignments, to United States of America as represented by The Secretary of War. Directive high-frequency antenna. 2,480,181, Aug. 30.
- Breese Burners, Inc., assignee: *See—* Breese, James L.
- Breese, James L., and Hayter. Hayter, Bruce. Hayter, Bruce, and Huston. Huston, Milton D. Huston, Milton D., and Hayter.
- Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Liquid fuel burner with vaporizing assembly. 2,470,682, May 17.
- Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Generator type burner and fuel tank. 2,475,006, July 5.
- Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Control for oil burners. 2,476,807, July 19.
- Breese, James L., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Vertical semicylindrical burner. 2,470,683, May 17.
- Breese, James L., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Two-level float valve structure. 2,470,684, May 17.
- Breese, James L., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Burner with integral water-heating device. 2,482,649, Sept. 20.
- Breeze Corporation, Inc., assignee: *See—* Van Orden, Paul S. Wright, Frank.
- Bregl, Benjamin F. and V. E. Francis, assignors to National Broach & Machine Company, Detroit, Mich. Gearing. 2,464,963, Mar. 22.
- Brehm, Peter: *See—* Young, Nicholas A., and Brehm.
- Brehm, Peter, Racine, assignor, by mesne assignments, to Downing Box Company, Milwaukee, Wis. Corner stitching machine. 2,480,542, Aug. 30.
- Brei, Daniel L., Cambridge, Mass., assignor to Wesbar Stamping Corporation, West Bend, Wis. Load handling attachment for automobiles. 2,469,945, May 10.
- Breisch, Edgar W., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Housing for signal and communication apparatus. 2,467,110, Apr. 12.
- Breisch, Edgar W., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Cabinet for office communication apparatus. 2,488,372, Nov. 15.
- Breisch, Edgar W., Edgewood, and J. I. Seitz, Wilkinsburg, assignors to The Union Switch and Signal Company, Swissvale, Pa. Train carried transmitting loop for train communication systems. 2,469,102, May 3.
- Breister, David A.: *See—* Arnold, Otto F. A., and Breister.
- Breitharth, Henry, Chicago, Ill. Eye exerciser. 2,458,140, Jan. 4.
- Breitenstein, John S.: *See—* Cole, Sandford S., Holiday, and Breitenstein.
- Breitenstein, Victor W., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Heater controlling circuit. 2,471,929, May 31.
- Breivogel, Philip J., Glen Ridge, assignor to White Laboratories, Inc., Newark, N. J. Reduction of ketones. 2,474,216, June 28.
- Brekelbaum, Erwin C., assignor to Harnischfeger Corporation, Milwaukee, Wis. Work positioner. 2,477,169, July 26.
- Breland, Jesse J., assignee: *See—* Rieves, Howard E.
- Brell, Jules, Baldwin, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Handling retaining rings. 2,483,379, Sept. 27.
- Brelsford, Harry E., Birmingham, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Rotary retracting soot blower construction. 2,486,585, Nov. 1.
- Brelsford, Jay O., Kansas City, Kans., and H. O. Sheidley, Kansas City, Mo., assignors to Gustin-Bacon Manufacturing Company. Forming felted fibrous insulating material. 2,467,291, Apr. 12.
- Bremer, Harry E., Milwaukee, Wis. Stock watering bowl. 2,469,946, May 10.
- Bremer, Richard, Muskegon, Mich. Automobile door repair bench. 2,469,151, May 3.
- Bremer, William S., New Washington, Ohio. Roofing tile. 2,482,835, Sept. 27.
- Brenner, John G. M., P. W. Reynolds, and A. W. C. Taylor, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Preparation of dehydrogenation catalysts. 2,460,333, Feb. 1.
- Brenkert, Karl, Jr., Detroit, Mich., assignor to Radio Corporation of America. Geneva type intermittent movement. 2,464,792, Mar. 22.
- Brenn, Jacob L., assignor to Huntington Laboratories, Inc., Huntington, Ind. Pedestal type foot-operated liquid dispenser. 2,488,266, Nov. 15.
- Brennan, Elmer W.: *See—* Cocroft, Robert, and Brennan, and Manetuffel.
- Brennan, Elmer W., and N. D. Williams, assignors to The Pure Oil Company, Chicago, Ill. Reaction of organic substances with phosphorous sesquisulfide. 2,483,571, Oct. 4.
- Brennan, James E.: *See—* Levy, Robert M., and Brennan.
- Brennan, Joseph B., assignee: *See—* Moyihan, John J.
- Brennan, Joseph B., Bratenahl, Ohio. Applying a silver layer to a steel bearing blank. 2,478,037, Aug. 2.
- Brennan, Joseph B., Bratenahl, Ohio. Method and apparatus for drawing sheet metal. 2,485,354, Oct. 18.
- Brennan, Joseph B., Cleveland, Ohio. Projection apparatus for tool setting. 2,485,355, Oct. 18.
- Brennan, Joseph H.: *See—* Burwell, Blair, and Brennan.
- Brennan, Linn S., Dayton, Ohio. Coil winder. 2,472,089, June 7.
- Brennan, Thomas F., Cincinnati, Ohio. Buffer for railway cars. 2,491,158, Dec. 13.
- Brenneke, Arthur M., New Castle, Ind., assignor to Perfect Circle Corporation. Piston ring. 2,474,413, June 28.

- Brenneman, August C., Cleveland, Mo. Tent trailer. 2,485,475, Oct. 18.
- Brennen, Ronald F., Jr., Brooklyn, N. Y. Multispeed single-phase electric motor. 2,488,658, Nov. 22.
- Brenner, Abner, Chevy Chase, Md., and T. S. Meites, Princeton, N. J., assignors to the United States of America as represented by the Secretary of Commerce. Apparatus for electroplating. 2,458,676, Jan. 11.
- Brenner, Abner, Chevy Chase, Md., R. Seegmiller and G. E. Riddell, Washington, D. C. Producing films of chromated proteins on zinc. 2,476,957, July 26.
- Brenner, Bert, Union, N. J., assignor, by mesne assignments, to Sigmund Cohn Corp., New York, N. Y. Compensating lead for thermocouples. 2,466,202, Apr. 5.
- Brenner, Robert W., Foster, and J. R. Petre, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Garment finishing device. 2,460,732, Feb. 1.
- Brentnall, Samuel R., Washington, D. C. Auxiliary control surface for high-speed aircraft. 2,460,804, Feb. 8.
- Brents, Claude E., assignee: *See*—Ramey, Harold W.
- Breton, Christopher F., assignor to Vickers-Armstrongs Limited, London, England. Moving and controlling the motion of machinery. 2,461,877, Feb. 15.
- Breton, Gilbert, Toronto, Ontario, Canada. Container. 2,458,246, Jan. 4.
- Breton, John G.: *See*—Hand, David B., Breton, and Kaufmann.
- Breslav, Jack, New Haven, Conn. Attachment for industrial trucks. 2,469,812, May 10.
- Bresler, Louis L., Chicago, Ill. Desk pad. 2,486,253, Oct. 25.
- Breslove, Joseph, Jr., Pittsburgh, Pa. Separator. 2,487,633, Nov. 8.
- Breslow, Albert B., assignee: *See*—Zuckerman, Samuel G.
- Breslow, David S., assignor to Hercules Powder Company, Wilmington, Del. Cellulose derivatives. 2,492,928, Dec. 27.
- Bressler, Robert E., Oregon, Ill. Apparatus for burning fuel. 2,467,805, Apr. 19.
- Bressler, Robert E., Oregon, Ill. Fuel feeding mechanism for stokers. 2,484,929, Oct. 18.
- Breter, Richard B., Northeast, Pa. Tool head handle ratchet wedge. 2,463,142, Mar. 1.
- Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire building machine. 2,464,020, Mar. 8.
- Breth, Walter J., assignor to The General Tire and Rubber Company, Akron, Ohio. Feed table for tire building machines. 2,471,140, May 24.
- Breth, Walter J., assignor to The General Tire and Rubber Company, Akron, Ohio. Device for mounting tire bead rings upon the bead applying annulus of tire building machines. 2,477,718, Aug. 2.
- Breth, Walter J., assignor to The General Tire and Rubber Company, Akron, Ohio. Servicer for tire building machines. 2,480,704, Aug. 30.
- Bretz, Everett M. and M. V., De Ridder, La. Mower sharpener. 2,468,860, May 3.
- Bretz, Mary V.: *See*—Bretz, Everett M. and Mary V.
- Breuer Electric Mfg. Company, assignee: *See*—Breuer, Grant W.
Lanter, Clarence W.
- Breuer, Grant W., Northbrook, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Combined blower and suction device. 2,464,552, Mar. 15.
- Brew-Schneider Company, Inc., assignee: *See*—Croonborg, Harold.
- Brewer, George R.: *See*—Cork, Bruce E., and Brewer.
- Brewer, John A., Kalamazoo, Mich., assignor, by decree of distribution, to R. A. Brewer. Musical instrument. 2,474,462, June 28.
- Brewer, John H., Baltimore, Md., assignor to Hynson, Westcott & Dunning, Incorporated. Anaerobe jar. 2,463,143, Mar. 1.
- Brewer, Nathaniel, Hatfield, assignor to Fischer & Porter Company, Hatboro, Pa. Flow-actuated valve. 2,472,090, June 7.
- Brewer, Nathaniel, Newtown, assignor to Fischer & Porter Company, Hatboro, Pa. Apparatus for forming precision-bore tubing or the like. 2,470,284, May 17.
- Brewer, Nathaniel, Newtown, assignor to Fischer & Porter Company, Hatboro, Pa. Ratio controller. 2,481,496, Sept. 13.
- Brewer, Nathaniel, Newtown, assignor to Fischer & Porter Company, Hatboro, Pa. Apparatus for making precision-bore tubes and other products of glass or the like. 2,490,252, Dec. 6.
- Brewer, Rozelda A., assignee: *See*—Brewer, John A.
- Brewer-Titchener Corporation, assignee: *See*—Johannsen, Udo K.
- Brewer-Titchener Corporation, The, assignee: *See*—Card, Charles S.
- Brewer, Vernon P.: *See*—Jamison, Claude T., and Brewer.
- Brewster, Donald B., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Carbon ribbon feed attachment. 2,485,254, Oct. 18.
- Brewster, George A., Buffalo, N. Y. Operating table. 2,461,627, Feb. 15.
- Brewster, Gordon L., Evanston, Ill. Vaporizer device. 2,468,164, Apr. 26.
- Brewster, James H., III: *See*—Wald, Quentin R., and Brewster, III.
- Brewster, James H., III, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter. 2,491,549, Dec. 20.
- Brewster, Oliver H., Essex Fells, assignor to Electrical Industries, Inc., Newark, N. J. Bottle-sterilizing arrangement. 2,471,303, May 24.
- Brewster, Oliver H., Essex Fells, assignor to Electrical Industries, Inc., Newark, N. J. Sterilizing device. 2,484,681, Oct. 11.
- Breyfogle, Roy H., Alton, Ill., assignor to Cheney Bigelow Wire Works Incorporated, Springfield, Mass. Apparatus for dewatering paper making stock. 2,476,131, July 12.
- Breymer, Rudolph T., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Fluid-cooled gas blanketed arc-welding torch. 2,468,804, May 3.
- Brezowski, Theodore, assignee: *See*—Giera, Max S.
- Brian, Joseph M., Westmount, Quebec, Canada, assignor to Radio Corporation of America. Frequency shift keyer. 2,480,705, Aug. 30.
- Brickman, A. W., trustee, assignee: *See*—Bowman, Jay.
Bowman, Jay, and Beadle.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Making torpedo nets. 2,461,030, Feb. 8.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Terminal fitting. 2,461,031, Feb. 8.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Securing fittings to wire structures. 2,464,432, Mar. 15.
- Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Die cast terminal fittings and making the same. 2,484,485, Oct. 11.
- Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Contraction joint assembly. 2,462,353, Feb. 22.
- Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Expansion and/or contraction joint assembly. 2,467,806, Apr. 19.
- Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Fitting for wire structures. 2,469,257, May 3.
- Brickman, Alan E., New Haven, Conn., and M. E. Capouch, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey. Transload device. 2,482,836, Sept. 27.
- Bricout, Henri: *See*—Latielle, Yves, Cloche, and Bricout.
- Bridgegroom, Walter, assignor to Superior Tree Expert Co., Inc., Muncie, Ind. Loading hoist. 2,487,305, Nov. 8.
- Bridge, Edward W., Philadelphia, Pa. Vegetable trimming machine. 2,491,950, Dec. 20.
- Bridge, Walter, Birkenhead, and J. Matchet, Liverpool, England, assignors to Imperial Chemical Industries, Limited. Production of chloral alcoholate. 2,468,861, May 3.
- Bridgeman, Walter A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Preserving perishables. 2,469,914, May 10.
- Bridgeport Brass Company, assignee: *See*—Hiertz, Arthur J.
- Bridgeport Fabrics, Inc., assignee: *See*—Spraragen, Louis.
- Bridges, John C., assignor to E. C. Elselein, Dallas, Tex. Supporting device. 2,460,970, Feb. 8.
- Bridges, John C., assignor to E. C. Elselein, Dallas, Tex. Supporting device. 2,460,971, Feb. 8.
- Bridges, John H., New York, N. Y., assignor to National Inventions Corporation. Luminescent tube system and apparatus. 2,481,468, Sept. 6.
- Bridges, Richard W.: *See*—Jensen, Howard M., and Bridges.
- Bridges, Robert B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Dynamic braking control. 2,468,653, Apr. 26.
- Bridgman, Percy W., Cambridge, S. S. Kistler, West Boylston, and W. M. Wheldon, Jr., Framingham, said Wheldon and said Kistler assignors to said Bridgman, assignors to Norton Company, Worcester, Mass. High-pressure and high-temperature test apparatus. 2,483,803, Oct. 4.
- Bridwell, Chalton E., Detroit, Mich. Valve cage. 2,462,605, Feb. 22.
- Bridwell, Chalton E., Detroit, Mich. Valve cage. 2,488,075, Nov. 15.
- Brieche, Ambrosius, Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Photographic developing apparatus with easily accessible tanks and conveyers. 2,475,658, July 12.
- Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Corrosion inhibitor. 2,484,010, Oct. 11.

- Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Bonding rubber to cellulose fibers. 2,485,136, Oct. 18.
- Brielmaier, Aloysius J., assignor to Water Hammer Arrester Corp., Milwaukee, Wis. Water-hammer arrester. 2,460,121, Jan. 25.
- Brier, Ernest J., Los Angeles, and W. G. McCue, Downey, Calif. Ironing cord retractor. 2,462,464, Feb. 22.
- Brierly, Ralph C.: *See*—
Bonvillian, Claude A., Brierly, and Letvin.
- Brierly, Ralph C., Narberth, and S. Letvin, Philadelphia, Pa. Heat transfer augmentor. 2,462,838, Mar. 1.
- Brierton, James L.: *See*—
Peters, Elwyn H., Engelhardt, and Brierton.
- Briggs, Arthur J.: *See*—
Parmelee, Clifford H., and Briggs.
- Briggs, Arthur J., Syracuse, assignor of one-half to W. L. Hinds, Fayetteville, N. Y. Machine for forming and applying hood caps to bottles. 2,486,252, Oct. 25.
- Briggs, Arthur S., and G. E. Scharrf, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Preparation of rubber and plastics in cellular form by means of dinitrosamino compounds. 2,491,709, Dec. 20.
- Briggs, Eugene C., assignor to The Leland Electric Company, Dayton, Ohio. Brush lifting mechanism. 2,475,276, July 5.
- Briggs, Eugene C., Dayton, Ohio, assignor, by mesne assignments, to Emarco Corporation, Chicago, Ill. Portable signal light. 2,492,837, Dec. 27.
- Briggs, George L., assignee: *See*—
Kanaske, Arthur.
- Briggs, Joseph A., Park Ridge, Ill., assignor of one-half to D. P. Mossman, Sr., and one-half to J. E. Mossman. Ironer shoe and control device. 2,467,655, Apr. 19.
- Briggs Manufacturing Company, assignee: *See*—
Burchard, Alonzo H.
Doty, Clifford B.
Hathaway, Edward R.
Maize, Paul F.
Prance, Alvin W., and Lyijynen.
Ulick, Peter J.
Vigmostad, Trygve.
Vigmostad, Trygve, and Redick.
- Briggs, Robert B.: *See*—
Knauth, Walter T., and Briggs.
- Briggs, Rufus L., Melrose, assignor to Raytheon Manufacturing Company, Newton, Mass. Alternating current load indicator. 2,470,334, May 17.
- Briggs, Rufus L., Melrose, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding mechanism. 2,474,816, July 5.
- Briggs, Southwick W., Washington, D. C. Fluid filtering element. 2,468,862, May 3.
- Briggs & Stratton Corporation, assignee: *See*—
Armstrong, Werner E.
Armstrong, Werner E., and Reichenbach.
Jacobi, Edward N.
- Briggs, Thomas H., Jr., Norristown, assignor to Superior Tube Company, Philadelphia, Pa. Electrode construction for neon signs. 2,459,789, Jan. 25.
- Brigham, Charles W., Arlington, N. J., assignor to Kearfott Company, Inc., New York, N. Y. Angle counter. 2,463,594, Mar. 8.
- Brigham, Laurence M., Saticoy, Calif. Tractor fender. 2,487,217, Nov. 8.
- Brigham, Nelson E., Arlington, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Reciprocating pump. 2,471,860, May 31.
- Bright, Harold T., Elmhurst, assignor to King Pneumatic Tool Company, Chicago, Ill. Switch actuator for power-operated tools. 2,487,093, Nov. 8.
- Bright, John W., Los Angeles, Calif. Fuse box. 2,477,360, July 26.
- Bright, Orlow S., Jr., Canton, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode coating for electron discharge devices. 2,473,358, June 14.
- Brightman, Earl: *See*—
Sessions, William K., Jr., and Brightman.
- Bright Star Battery Company, assignee: *See*—
Doose, Otto.
- Briglia, Anton: *See*—
Rockstrom, Leonard, and Briglia.
- Brikoff, Phillip, Seattle, Wash. Fishing line reel. 2,489,614, Nov. 29.
- Brill, Aron, Brooklyn, N. Y., and W. Kneissler, Roselle, N. J. Safety interlocking snap hook for clothes hangers. 2,483,618, Oct. 4.
- Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Control valve. 2,485,692, Oct. 25.
- Brillas, Frederick, New York, N. Y. Umbrella. 2,492,376, Dec. 27.
- Brimhall, Claude W., Gaston, Ind. Ball shooting toy. 2,479,721, Aug. 23.
- Brinen, Howard F., assignor to Young Radiator Company, Racine, Wis. Tube beading and flaring tool. 2,480,629, Aug. 30.
- Brinen, Howard F., assignor to Young Radiator Company, Racine, Wis. Internal fin for heat exchanger tubes. 2,480,706, Aug. 30.
- Brinen, Howard F., and E. J. Kothera, assignors to Young Radiator Company, Racine, Wis. Tube beading and flaring tool. 2,480,630, Aug. 30.
- Bringolf, Richard G., assignor to American Ventilating Hose Co., Seattle, Wash. Hose. 2,486,387, Nov. 1.
- Brinker, Arthur J., Lexington, Nebr. Self-feeding conveyor. 2,460,920, Feb. 8.
- Brinker, Emmett L.: *See*—
Hopkins, James W., and Brinker.
- Brinker, John H., and F. Conley, assignors to The Globe-Wernicke Co., Norwood, Ohio. Apparatus for the construction of desk, table, or counter tops. 2,489,118, Nov. 22.
- Brinkley, David T., Elk Park, N. C. Roller track. 2,472,514, June 7.
- Brinkmann, Guenther, assignor to Ex-Cell-O Corporation, Detroit, Mich. Grinding machine. 2,471,406, May 31.
- Brinkmann, Guenther, assignor to Ex-Cell-O Corporation, Detroit, Mich. Control valve for hydraulic systems. 2,484,373, Oct. 11.
- Brinkmann, Harry A. C., Indianapolis, Ind. Hollow bowling pin. 2,487,218.
- Brinkoeter, Clinton C., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Sweat eliminator for frozen food cases. 2,483,804, Oct. 4.
- Brinkoeter, Julius A., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Eliminate drippage of condensation in openview frozen food cases. 2,473,781, June 21.
- Brinkoeter, Paul H., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Dies. 2,472,515, June 7.
- Brinkoeter, Paul H., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Cooling plate. 2,472,937, June 14.
- Brinnick, Frederic E.: *See*—
Tuve, Richard L., Fogelberg, Brinnick, and Springer.
- Brinton, Willard C., New York, N. Y. Ball casting machine. 2,486,388, Nov. 1.
- Brinton, William C., Harper, Wash. Polishing composition. 2,476,281, July 19.
- Brishin, Carl E., Long Beach, Calif. Tool pocket for overalls. 2,476,354, July 19.
- Briseño, Jesus, San Antonio, Tex. Testing device for electric lamps, fuses, and the like. 2,478,999, Aug. 16.
- Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Film splicer. 2,460,619, Feb. 1.
- Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Self-threading device for motion-picture apparatus. 2,472,143, June 7.
- Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Lamp housing. 2,477,957, Aug. 2.
- Briskin, Jack, and J. A. Mankawich, assignors to Revere Camera Company, Chicago, Ill. Optical compensator. 2,463,016, Mar. 1.
- Briskin, Jack, and J. J. Golick, assignors to Revere Camera Company, Chicago, Ill. Magazine shutter operating means for cameras. 2,477,958, Aug. 2.
- Briskin, Theodore S., assignor to Excel Auto Radiator Company, Chicago, Ill. Combustion heater with thermally controlled fuel supply. 2,457,862, Jan. 4.
- Briskin, Theodore S., assignor to Excel Auto Radiator Company, Chicago, Ill. Power-driven tool. 2,486,255, Oct. 25.
- Briskin, Theodore S., and J. C. Zivny, assignors to Excel Auto Radiator Company, Chicago, Ill. Control mechanism for electrically driven tools. 2,486,254, Oct. 25.
- Brister, Joseph E., Summit, and C. J. Burch, Plainfield, N. J., assignors to Bakelite Corporation. Resin covered wire or cable and making. 2,468,165, Apr. 26.
- Bristol Aeroplane Company Limited, The, assignee: *See*—
Cameron, Lachlan M.
D'Assis-Fonseca, Evelyn C. M.
D'Assis-Fonseca, Evelyn C. M., and Wotton.
Diaper, Cecil T.
Fortescue, Peter.
Henly, Albert G., and Prince.
Henstridge, Alec G.
Ponting, Ralph.
Thorns, Denis H., and Ramsay.
Whitehead, Frederick W., and Lovering.
- Bristol Bank and Trust Company, executor: *See*—
Cook, Raymond W.
- Bristol, Carlton W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Apparatus for measuring absolute pressure. 2,477,233, July 26.
- Bristol Company, The, assignee: *See*—
Borden, Perry A.
Borden, Perry A., and Thynell.
Bristol, Carlton W.
Bristol, Hamilton R.
Claus, Erwin P.
Cowherd, Robert D., and Stahl.
Jacobson, Abraham W.
Koester, Herman.
Leone, Otto J.
Russell, John L.
Smith, Lawrence E.
Waidelich, James R.
- Bristol, Hamilton R., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Molten metal pyrometer device. 2,490,617, Dec. 6.
- Bristol Manufacturing Corporation, assignee: *See*—
Campagna, Michael.
- Bristow, Earl, assignor of one-half to B. L. Ghent, Harrisburg, Ill. Attachment for gun barrels. 2,466,203, Apr. 5.

- Bristow, Paul W.**, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine pattern mechanism. 2,460,487, Feb. 1.
- Bristow, Paul W.**, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,470,803, May 24.
- British Acoustic Films Limited**, assignee: *See—*
Pratt, Albert S.
- British Cast Iron Research Association**, assignee: *See—*
Morrough, Henton.
- British Drug Houses Limited**, The, assignee: *See—*
Berger, Frank M., Bradley, and Sayer.
- British Industrial Solvents, Limited**, assignee: *See—*
Pemberton, Edgar S.
- British Insulated Callender's Cables Limited**, assignee: *See—*
Arms, Merton H.
Brazier, Leslie G., and Hollingsworth.
Broderick, Neil O. and E. C.
Quayle, Joshua C., and Jones.
- British Mechanical Productions Limited**, assignee: *See—*
Deakin, Stanley T.
Lyyjynen, Fred.
- British Motor Boat Manufacturing Company Limited**, assignee: *See—*
Brown, Harold P., and Armstrong.
- British Power Boat Company, The, Limited**, assignee: *See—*
Hill, Harry.
- British Resin Products Limited**, assignee: *See—*
Hookway, Harry T., and Evans.
- Britt, William H.**, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoist. 2,477,783, Aug. 2.
- Brittain, Bert, and H. J. G. Squire**, Bloxwich, England. Flush handle construction. 2,486,586, Nov. 1.
- Brittain, Francis H.**, Pinner, assignor to The General Electric Company Limited, London, England. Crystal contact. 2,475,940, July 12.
- Brittain, Francis H., Pinner, and C. E. Ransley**, Sudbury, assignors to The General Electric Company Limited, London, England. Point-contact rectifier. 2,472,938, June 14.
- Brittain, Virgil M.**, Portland, Oreg., assignor to Hazeltine Research, Inc. Radio aid to air navigation. 2,489,615, Nov. 29.
- Britten, Edwin F., Jr.**, Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Ship's log transmission regulator. 2,471,930, May 31.
- Britten, Edwin F., Jr.**, Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Actuator controlling means for calculating machines. 2,472,564, June 7.
- Britten, Herman**, Schenectady, N. Y., assignor to General Electric Company. Insulated coil for electric apparatus. 2,489,853, Nov. 29.
- Britton, Charles E.**: *See—*
Young, David W., and Britton.
- Britton, Edgar C.**: *See—*
Moll, Harold W., and Britton.
- Britton, Edgar C., H. C. White, and C. L. Moyle**, assignors to The Dow Chemical Company, Midland, Mich. Polymerization of organo-polyloxanes with acid-activated bleaching earth. 2,460,805, Feb. 8.
- Britton, Edgar C., and G. H. Coleman**, assignors to The Dow Chemical Company, Midland, Mich. Derivatives of 9-anilinoacridine. 2,464,171, Mar. 8.
- Britton, Edgar C., and E. Monroe**, assignors to The Dow Chemical Company, Midland, Mich. Esters of 5-tertiary-butylsallylic acid. 2,464,172, Mar. 8.
- Britton, Edgar C., and W. J. Le Fevre**, assignors to The Dow Chemical Company, Midland, Mich. Emulsion polymerization in the presence of an iron salt and a water-soluble peroxide. 2,468,027, Apr. 26.
- Britton, Edgar C., and H. C. White**, assignors to The Dow Chemical Company, Midland, Mich. Organo-siloxane polymers. 2,476,132, July 12.
- Britton, Edgar C., and W. J. Le Fevre**, assignors to The Dow Chemical Company, Midland, Mich. Polymerization of vinyl aromatic compounds. 2,477,784, Aug. 2.
- Britton, Joseph W., and R. C. Dosser**, assignors to The Dow Chemical Company, Midland, Mich. Method and catalysts for polymerizing vinyl and vinylidene compounds. 2,473,005, June 14.
- Britton, Karl B.**, Cleveland, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind. Indicating ice on aircraft surfaces. 2,460,165, Jan. 25.
- Britton, Karl B.**, Cleveland, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind. Impulse actuated engine synchronizing mechanism. 2,480,707, Aug. 30.
- Britton, Phillip S.**: *See—*
Wilson, Oran C., and Britton.
- Britton, Rex O.**, Lebanon, Oreg. Window sash lock. 2,458,559, Jan. 11.
- Brixius, Jacob K.**, assignor to Air-Maze Corporation, Cleveland, Ohio. Filter construction. 2,479,722, Aug. 23.
- Brixner, Frederick W.**, Gates, and W. M. Barker, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Line circuit communication system. 2,459,494, Jan. 18.
- Brno Arms Factory, National Corporation**: *See—*
Koucky, Josef.
Koucky, Josef, and Frantisek.
- Broadmeyer, Albert**, Norwalk, Conn. Conveyer and guide. 2,464,173, Mar. 8.
- Broady, Thomas F.**, Maryville, Tenn., R. C. Heerdink, Los Angeles, and L. C. Marcheski, Lynwood, Calif. Ship recognition trainer. 2,484,814, Oct. 18.
- Brochstein, Sam J.**, Houston, Tex. Garment hanger rod. 2,488,702, Nov. 22.
- Brock Chemical Co., Inc.**, assignee: *See—*
Brock, J. Anson and R. D.
- Brock, Harold L.**: *See—*
Roeder, Dale, and Brock.
- Brock, Harold L.**, Detroit, and C. F. Kramer, Birmingham, assignors to Ford Motor Company, Dearborn, Mich. Tractor radiator grille. 2,468,809, May 3.
- Brock, Irvin A.**, assignee: *See—*
Hill, Glenn.
- Brock, J. Anson, South Duxbury, and R. D. Brock**, Abington, assignors to Brock Chemical Co., Inc., North Abington, Mass. Finishing roll cover. 2,477,234, July 26.
- Brock, John D.**: *See—*
Bradwell, Robert H., and Brock.
- Brock, Louis R.**, Hague, N. Y. Attachable lifting arm for bulldozer blades. 2,473,505, June 21.
- Brock, Ralph E.**, Cambridge, Ohio. Bench-type pottery ware jiggering device. 2,481,073, Sept. 6.
- Brock, Robert D.**: *See—*
Brock, J. Anson and R. D.
- Brockhouse, J., & Company, Limited**, assignee: *See—*
Trevena, Arthur.
- Brocklesby, Horace N.**: *See—*
Block, Richard J., Brocklesby, and Rogers.
- Brockley, Jacob**, near Newport News, Va. Gravity flow interval timer. 2,466,573, Apr. 5.
- Brockley, Jacob**, Newport News, Va. Sharpener. 2,469,258, May 3.
- Brockman, Edward J.**, St. Louis, and T. M. Scruggs, Richmond Heights, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Making paper yarn. 2,482,895, Sept. 27.
- Brockman, Francis C.**, Glen Ridge, N. J., assignor to General Electric Company. Temperature responsive control. 2,489,854, Nov. 29.
- Brockman, Frank G.**, Woodbury, and J. W. Wescott, 2nd, Chatsworth, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of extremely thin filaments. 2,469,947, May 10.
- Brockmeyer, Joseph A.**, Brookline, Pa. Piston. 2,478,179, Aug. 9.
- Brockway Company, The**, assignee: *See—*
Guarnaschelli, Stephen.
- Brode, Robert B.**, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Thermal time delay. 2,472,366, June 7.
- Broder, Harry**, New York, N. Y.; W. Felstiner, L. Broder, and J. F. Berlinger, executors of said H. Broder, deceased. Lipstick holder with four-pin cup. 2,469,631, May 10.
- Broder, Leonard**, executor: *See—*
Broder, Harry.
- Broderick, Aubrey E.**, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Insolubilization of water-soluble hydroxyl-containing polymeric materials. 2,469,431, May 10.
- Broderick & Bascom Rope Company**, assignee: *See—*
Larkin, David.
- Broderick, John J.**: *See—*
Berlyn, Martin J., and Broderick.
- Brodersen, Karl**: *See—*
Orthner, Ludwig, Balle, Schild, Schürmann, Brodersen, and Quadvlieg.
- Broderon, Edwin C.**: *See—*
Quayle, Joshua C., and Jones.
- Broderon, Neil O.**, Rochester, and E. C. Broderon, Akron, assignors to Rochester Butter Company, Rochester, N. Y. Process and apparatus for making variegated plastic articles. 2,477,170, July 26.
- Brodeur, Jules**, New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Cosmetic blend predetermining device. 2,462,606, Feb. 22.
- Brodeur, Robert M.**, assignor to Parker Manufacturing Company, Worcester, Mass. Hydraulic power apparatus. 2,460,058, Jan. 25.
- Brodhugh, John H.**, Detroit, Mich. Machine tool. 2,480,319, Aug. 30.
- Brodie, Damon D.**, Los Angeles, Calif. Electrical scale. 2,470,427, May 17.
- Brodie, James H.**, Baltimore, Md. Aircraft landing system. 2,488,050, Nov. 15.
- Brodie, James H.**, Baltimore, Md. Aircraft landing apparatus. 2,488,051, Nov. 15.
- Brodie, Ralph N.**, Company, assignee: *See—*
Berck, William F.
- Brodnax, Joel C., Jr.**, Peoria, Ill. Attachment for bottle carrying cases. 2,489,742, Nov. 29.
- Brody, Frederick**: *See—*
Elderfield, Robert C., and Brody.
- Broeren, Frank L.**, G. E. Wanda, and R. Kuehl, Neenah, assignors to Marathon Corporation, Rothschild, Wis. Frozen food package. 2,470,465, May 17.
- Broersma, Robert J.**, Grand Haven, assignor to P. E. Droppers, Muskegon, and M. A. Porter, Fruitport, Mich. Plating device. 2,488,801, Nov. 22.

- Broeze, Johannes J., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Pressure controlled injection valve. 2,471,605, May 31.
- Broffitt, Wilgus S., Indianapolis, Ind., and H. Montague, Lexington, Ky. Automatic welder's hood control. 2,471,719, May 31.
- Brogden, Ernest M., assignor to Carpenter Co., Orlando, Fla. Treating fresh fruit in preparation for marketing. 2,489,743, Nov. 29.
- Brogden, Ernest M., Orlando, Fla. Treating citrus fruit. 2,489,744, Nov. 29.
- Brogden, Wilfred J.: *See*—
Kappauf, William E., and Brogden.
- Brogren, Erik R.: *See*—
Parsons, John T., and Brogren.
- Brohadr, Montie M., Jr., Norwood, Ohio. Garment. 2,466,368, Apr. 5.
- Broido, Daniel, Cockfosters, near Barnet, England. Partial product calculator. 2,478,365, Aug. 9.
- Broido, Jacques J., Joinville-le-Pont, France. Camera with photoelectric cell diaphragm opening indicator. 2,477,235, July 26.
- Broido, Jacques J., Joinville-le-Pont, France. Presser and feeding claw unit for moving-picture apparatus. 2,485,255, Oct. 18.
- Broido, Jacques J., Joinville-le-Pont, and J. Weissbrodt, Paris, France. Camera objective mounting. 2,461,357, Feb. 8.
- Broluska, Amel B., Detroit, Mich. Jet power means for aircraft. 2,463,352, Mar. 1.
- Bromert, Leo J., Hutchinson, Kans. Lawn mower sharpener. 2,470,835, May 17.
- Bromfield, St. Clair, Jackson Heights, Long Island, N. Y. Distribution board. 2,470,884, May 24.
- Bromley, Frank D., Portsmouth, R. I. Crucible handling device. 2,458,141, Jan. 4.
- Bromley, John, & Sons, Inc., assignee: *See*—
Grundy, James A.
- Bromley, Mellor, & Co., Limited, assignee: *See*—
Shortland, Arthur.
- Bronander, Wilhelm B., Montclair, N. J. Stud driving mechanism. 2,483,751, Oct. 4.
- Brunk, Lester B.: *See*—
Liebhafsky, Herman A., and Brunk.
- Bronson, Adelbert E., Shaker Heights, and L. S. Speth, Cleveland, Ohio, assignors to A. E. Bronson, Jr. Method of and apparatus for waving hair. 2,473,135, June 14.
- Bronson, Adelbert E., Jr., assignee: *See*—
Bronson, Adelbert E., and Speth.
- Bronson, Edward A.: *See*—
Crowder, Havy Q. R., and Bronson.
- Bronson, George A.: *See*—
Alberti, Nicholas, and Bronson.
- Bronson, George A., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Missile ejector for aircraft. 2,466,980, Apr. 12.
- Bronson, Sabin C., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler operating device. 2,480,708, Aug. 30.
- Bronson, Sabin C., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler operating device. 2,491,359, Dec. 13.
- Brownell, Arthur B., Evanston, Ill. Color television system. 2,461,515, Feb. 15.
- Brook, Arthur F., Poughkeepsie, N. Y. Refillable loose-leaf binder. 2,463,946, Mar. 8.
- Brooke, Frank W., Pittsburgh, Pa. Track joint lubrication. 2,459,990, Jan. 25.
- Brooke, Lloyd F.: *See*—
Holm, Melvin M., Brooke, and Berlenbach.
- Brooke, Lloyd F., Berkeley Highland Terrace, M. M. Holm, San Francisco, and L. P. Elliott, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Treatment of cracked petroleum distillates. 2,465,964, Mar. 29.
- Brooke, Norman E., Washington, D. C. Weed slasher. 2,471,720, May 31.
- Brooke, Norman E., Washington, D. C. Trowel and weeder. 2,487,518, Nov. 8.
- Brooker, Leslie G. S.: *See*—
Sprague, Robert H., and Brooker.
- Van Zandt, Gertrude, and Brooker.
- White, Frank L., and Brooker.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsions sensitized with N,N'-alkylenecyanine dyes. 2,461,137, Feb. 8.
- Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. 1,1'-dialkyl-3,3'-alkylenebenzimidazolocyanine salts. 2,479,152, Aug. 16.
- Brooker, Leslie G. S., Rochester, N. Y., W. F. Holcomb and C. K. Banks, Detroit, Mich., assignors to Eastman Kodak Company, Rochester, N. Y. Pyrimido-2'-cyanine dyes. 2,472,565, June 7.
- Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes. 2,478,366, Aug. 9.
- Brooker, Leslie G. S., and R. H. Sprague, assignors to Eastman Kodak Company, Rochester, N. Y. N,N'-alkylenecyanine dyes. 2,473,367, Aug. 9.
- Brookfield, Donald W., assignor to Brookfield Engineering Laboratories, Incorporated, Sharon, Mass. Toolholder. 2,472,040, May 31.
- Brookfield Engineering Laboratories, Incorporated, assignee: *See*—
Brookfield, Donald W.
- Brookhart, Albert: *See*—
Gray, Allen A., and Brookhart.
- Brookhart, Lelia K., administratrix: *See*—
Meeker, David A., and Brookhart.
- Brookhart, Theodore C.: *See*—
Meeker, David A., and Brookhart.
- Brookport Company, The, assignee: *See*—
Bengelsdorf, George.
- Brooks, Al R., assignee: *See*—
Kraska, Reinhold M.
- Brooks, Benjamin T., Old Greenwich, Conn., assignor to Standard Oil Development Company. Production of chlorohydrins. 2,463,850, Mar. 8.
- Brooks, Charles H., Milan, assignor to Bear Manufacturing Company, Rock Island, Ill. Electrical contact device. 2,491,603, Dec. 20.
- Brooks, Cuyler W., Brooklyn, N. Y. Automatic transmission mechanism. 2,461,258, Feb. 8.
- Brooks, Desmond B., and C. J. Van Boven, Haxtun, Colo. Marble projector. 2,473,091, June 14.
- Brooks, E. J., Company, assignee: *See*—
Brooks, Winfred M.
- Brooks, Fred A.: *See*—
Boolman, John H., Brooks, and Kreer.
- Brooks, Gaius Fabius: *See*—
Woodbury, Charles H., and Brooks.
- Brooks, Harry: *See*—
McCune, Donald C., and Brooks.
- Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thienyl mercaptals and mercaptols in lubricating compositions. 2,480,831, Sept. 6.
- Brooks, John W., Wenonah, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. 3-thienyl thioethers in lubricating compositions. 2,480,832, Sept. 6.
- Brooks, Lester A., Stamford, Vt., assignor to Sprague Specialties Company, North Adams, Mass. Electrical conductor. 2,473,985, June 21.
- Brooks, Lewis C., assignor of one-third to I. M. Jones, Milwaukee, Wis. End closure for paperboard containers. 2,465,842, Mar. 29.
- Brooks, Linzy W., assignor to On-A-Lite Corporation, Portland, Ore. Electrical connector fixture. 2,491,463, Dec. 13.
- Brooks, Patrick H.: *See*—
Wiley, Clifford J., Canady, and Brooks.
- Brooks, Percy E., Woodridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding fixture. 2,458,928, Jan. 11.
- Brooks, Philip A., Westwood, Mass. Circular knitting machine. 2,481,718, Sept. 13.
- Brooks, Richard E.: *See*—
Gresham, William F., and Brooks.
- Gresham, William F., Brooks, and Grigsby.
- Brooks, Richard P., Longview, Tex. Bait retriever. 2,481,975, Sept. 13.
- Brooks, Walter J., Baltimore, Md. Pencil sharpener. 2,469,858, May 10.
- Brooks, William B.: *See*—
Wagoner, Alvin G., and Brooks.
- Brooks, William W., Ingleside, Tex. Pipe repair unit. 2,478,684, Aug. 9.
- Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Sealing device. 2,465,349, Mar. 29.
- Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Bag seal. 2,480,543, Aug. 30.
- Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Shackle seal. 2,481,815, Sept. 13.
- Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Seal. 2,487,419, Nov. 8.
- Broomall, Thomas H., assignee, trustee: *See*—
Donato, Giuseppe.
- Broome, Elmer E., Chattanooga, Tenn. Space heater. 2,491,849, Dec. 20.
- Broos, Jan: *See*—
Kroger, Ferdinand A., and Broos.
- Broos, Henricus A.: *See*—
Blok, Henri, and Broos.
- Brophy, John J., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stiffening uppers of shoes. 2,492,413, Dec. 27.
- Brose, Horace B.: *See*—
Brose, Lazetta D., and H. B.
- Brose, Horace B., and L. D. Brose, Chicago, Ill. Child's shampoo board. 2,474,572, June 28.
- Brose, Lazetta D.: *See*—
Brose, Horace B., and L. D.
- Brose, Lazetta D., and H. B., Chicago, Ill. Abdominal pillow. 2,473,136, June 14.
- Brosius, Edgar E., Pittsburgh, assignor to Edgar E. Brosius Company, Inc., Sharpsburg, Pa. Grab bucket mount. 2,465,629, Mar. 29.
- Brosius, Edgar E., Company, Inc., assignee: *See*—
Brosius, Edgar E.
- Brosius, John, Jr., Seattle, Wash. Light control. 2,458,334, Jan. 4.

- Broske, William F., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector. 2,478,082, Aug. 2.
- Brosseau, Ray, Kew Gardens, N. Y. Mechanical pencil. 2,461,408, Feb. 8.
- Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,463,017, Mar. 1.
- Brothers, John L., Marblehead, assignor to Consolidated Electric Lamp Company, Lynn, Mass. Soldering iron holder. 2,475,941, July 12.
- Brothman, Abraham, New York, N. Y., assignor to Graver Tank & Mfg. Co., Inc. Manufacture of chloral. 2,478,741, Aug. 9.
- Brotman, Hyman D., Detroit, Mich. Washing machine drive. 2,468,919, May 3.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Attaching panel for key cases. 2,458,335, Jan. 4.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Pocket case and memorandum pad. 2,467,656, Apr. 19.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Key case. 2,470,466, May 17.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,478,083, Aug. 2.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,484,682, Oct. 11.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,489,364, Nov. 29.
- Brouillard, Robert E.: *See*—
Lecher, Hans Z., Brouillard, and Baumgarten.
- Brouillard, Robert E., Bound Brook, N. J., and E. Baumgarten, Westerleigh, Staten Island, assignors to American Cyanamid Company, New York, N. Y. Synthesis of phthalocyanines from α -chlorine or α -bromine substituted α -toluinitriles. 2,460,779, Feb. 1.
- Brouns, Hubert E., assignor to N. V. Vereenigde Tabaks-industriën Mignoe & De Block, Eindhoven, Netherlands. Machine for applying bands to cigars. 2,473,275, June 14.
- Brouse, William H. D., Toronto, Ontario, Canada. Refrigerator unit. 2,466,876, Apr. 12.
- Brouse, William H. D., assignor to Teleflex Limited, Toronto, Ontario, Canada. Adjustable control lever. 2,484,551, Oct. 11.
- Broussard, Robert F., Houston, Tex., assignor to Duncan Meter Corporation, Chicago, Ill. Coin gate mechanism. 2,465,146, Mar. 22.
- Broussard, Robert F., Houston, Tex., and L. D. Sollenberger, assignors to Duncan Parking Meter Corporation, Chicago, Ill. Coin mechanism housing. 2,483,805, Oct. 4.
- Brousseau, Edouard J., Angouleme, France. Magnetic rotor brake system for electric induction motors. 2,489,365, Nov. 29.
- Brouty, Lylal C., Watertown, N. Y. Sandpaper holder. 2,465,194, Mar. 22.
- Brower, Benjamin W., and V. F. Sepavich, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cloth roll for looms. 2,491,917, Dec. 20.
- Brower, Pieter H. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Laminated magnetic circuit element. 2,487,692, Nov. 8.
- Brower, Rodger D., Bristol, Conn. Adjustable head golf club. 2,477,438, July 26.
- Broverman, Michael, Pittsfield, Mass., assignor to General Electric Company. Distribution transformer coil support. 2,490,506, Dec. 6.
- Brow, John C., Belfast, Northern Ireland. Lid for jars, bottles, and like containers. 2,487,519, Nov. 8.
- Browder, John G., Houston, R. M. Love, Baytown, H. G. Schutze, Goose Creek, and R. E. Tannich, Baytown, Tex., assignors by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Finishing aromatic concentrates. 2,481,816, Sept. 13.
- Brower, James E., Pleasantville, N. J. Beam compass. 2,471,193, May 24.
- Brown, Adrian A., Lake Geneva, Wis. Machine for assorting eggs according to weight. 2,461,308, Feb. 8.
- Brown, Aldrich M., and M. L. Mascia, Montgomery, Ala. Ventilating apparatus. 2,485,356, Oct. 18.
- Brown, Alexander C., assignor to Emery Industries, Inc., Cincinnati, Ohio. Fat hydrolysis process and apparatus. 2,486,630, Nov. 1.
- Brown, Alexander C., and V. J. Muckerhelde, assignors to Emery Industries, Incorporated, Cincinnati, Ohio. Treatment of fatty acids. 2,475,420, July 5.
- Brown, Alexander M.: *See*—
Carille, Alfred E., and Brown.
- Brown, Allan R., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Protective equipment. 2,488,167, Nov. 15.
- Brown, Allan R., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Protective equipment. 2,488,168, Nov. 15.
- Brown, Archie W., San Antonio, Tex. Airplane toy. 2,465,788, Mar. 29.
- Brown, Arthur A.: *See*—
Hersey, Donald S., and Brown.
- Brown, Arthur G., Cherry, Ill. Shaft puller. 2,484,400, Oct. 11.
- Brown, Arthur R., Old Bridge, and R. T. Hucks, South River, N. J., and C. W. Johnson, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hammered metal finish compositions. 2,468,920, May 3.
- Brown, Barremore B.: *See*—
Donal, John S., Jr., Brown, and Cuccia.
- Brown, Barremore B., Princeton, N. J., assignor to Radio Corporation of America. Electrode assembly for electron discharge devices. 2,458,142, Jan. 4.
- Brown, Ben E.: *See*—
Kimball, Charles N., Brown, and Tyler, Jr.
- Brown, Bernard A., and H. J. Houck, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Processing machine. 2,484,550, Oct. 11.
- Brown & Bigelow, assignee: *See*—
Gruber, Francis E.
Trollen, Martin E.
Vierling, John A.
Wege, John P.
- Brown-Brockmeyer Co., The, assignee: *See*—
Brown, Steffen S.
Gayer, John D.
- Brown, Cal V., Richmond, Calif. Smoking pipe. 2,475,472, July 5.
- Brown, Carl D.: *See*—
Thatcher, Harry W., and Brown.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Picker stick guide for looms. 2,459,411, Jan. 18.
- Brown, Carl S., Lakewood, assignor to Glascote Products, Inc., Cleveland, Ohio. Valved tank. 2,479,997, Aug. 23.
- Brown, Caroline, New York, N. Y. Stretchable reinforced diagonal foundation garment. 2,481,818, Sept. 13.
- Brown, Caroline, New York, N. Y. Cross stretch foundation garment. 2,484,265, Oct. 11.
- Brown, Caroline, New York, N. Y. Tubular foundation garment. 2,491,360, Dec. 13.
- Brown, Charles C., Los Angeles, Calif. Electroacoustical musical instrument. 2,487,420, Nov. 8.
- Brown, Charles H., Arkansas City, Kans. Seat. 2,465,630, Mar. 29.
- Brown, Charles H., Baldwin, N. Y., assignor to Radio Corporation of America. Ultra short wave system. 2,489,855, Nov. 29.
- Brown, Charles L., Pueblo, Colo. Posthole digger. 2,478,233, Aug. 9.
- Brown, Charles L., Jr., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Latch for vacuum cleaner covers. 2,477,685, Aug. 2.
- Brown, Chester L., Spokane, Wash. Photophone. 2,466,000, Apr. 5.
- Brown, Chester W., assignor to Line Material Company, Milwaukee, Wis. Three-phase transformer construction. 2,458,052, Jan. 4.
- Brown, Chester W., Linton, Ind. Carburetor. 2,470,014, May 10.
- Brown, Cicero C., Houston, Tex. Knuckle joint. 2,459,614, Jan. 18.
- Brown, Cicero C., Houston, G. McCray, Alvin, and F. L. Scott, Jr., assignors to Brown Oil Tools, Inc., Houston, Tex. Bumper sub safety joint. 2,463,353, Mar. 1.
- Brown, Clarence O., Waltham, and M. N. Fairbank, Belmont, assignors to Polaroid Corporation, Cambridge, Mass. Glare-eliminating eyeshield. 2,475,471, July 5.
- Brown, Clifford K., Duluth, Minn. Live bait container. 2,490,507, Dec. 6.
- Brown Company, assignee: *See*—
Day, George A., and Fenn.
- Brown, Coy W., Roseland, N. J., assignor to General Electric Company. Refrigerating system. 2,481,469, Sept. 6.
- Brown, Cuthbert J.: *See*—
Bragg, Leslie B., Schwarzwler, and Brown.
- Brown, David, & Sons (Huddersfield) Limited, assignee: *See*—
Aked, Harry.
Sykes, Arthur, and Tuplin.
- Brown, Edmund K.: *See*—
Carullo, Paul A., and Brown.
- Brown, Edward, Baltimore, Md. Heater for nozzle holes in steel ladles. 2,475,777, July 12.
- Brown, Ernest N.: *See*—
Wickizer, Gilbert S., and Brown.
- Brown, George A., assignee: *See*—
Coffey, Daniel J.
- Brown Flintube Company, assignee: *See*—
Brown, John W., Jr.
Welsh, Oral.
- Brown, Florence A., Billings, Mont. Toy riding pony. 2,490,410, Dec. 6.
- Brown, Frank B., Dallas, Tex. Stencil-cutting machine. 2,468,540, Apr. 26.
- Brown, Frank L., Park Ridge, and H. S. Steen, Chicago, Ill., assignors to Chicago Faucet Company. Flow regulator. 2,472,787, June 14.
- Brown, George E., Sacramento, Calif. Mechanical toy shovel. 2,478,084, Aug. 2.

- Brown, George F., Tulsa, Okla. Wheel and tire applying device. 2,470,685, May 17.
- Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. High-frequency electrical bonding apparatus for bonding wide layers of dielectric materials. 2,459,260, Jan. 18.
- Brown, George H., and C. N. Hoyer, Princeton, N. J., assignors to Radio Corporation of America. Treatment of synthetic fibers and apparatus therefor. 2,460,566, Feb. 1.
- Brown, George H., and D. W. Peterson, Princeton, N. J., assignors to Radio Corporation of America. Radio frequency power division network. 2,465,843, Mar. 29.
- Brown, George H., and J. Epstein, Princeton, N. J., assignors to Radio Corporation of America. Antenna. 2,471,515, May 31.
- Brown, George H., and O. M. Woodward, Jr., Princeton, N. J., assignors to Radio Corporation of America. Line balance converter. 2,473,328, June 14.
- Brown, George H., and R. A. Bierwirth, Princeton, N. J., assignors to Radio Corporation of America. Sewing machine for thermoplastic materials. 2,477,040, July 26.
- Brown, George H., and R. A. Bierwirth, Princeton, N. J., assignors to Radio Corporation of America. Radio-frequency heating. 2,478,857, Aug. 9.
- Brown, George J., Chicago, Ill. Hobbyhorse. 2,489,698, Nov. 29.
- Brown, George M.: See—
Fleming, Hugh B., and Brown.
- Brown, George M., Scotia, N. Y., assignor to General Electric Company. Selective carrier off noise suppression circuit. 2,479,305, Aug. 16.
- Brown, George T., Somerville, Mass. Drainage valve system. 2,485,232, Oct. 18.
- Brown, Gerald G.: See—
Cardwell, Harland W., Brown, and Johnson.
- Brown, Gilbert G., Orange, and G. J. Eannarino, Arlington, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio control system. 2,480,115, Aug. 30.
- Brown, Gordon H., Detroit, Mich., assignor to Eureka Williams Corporation. Electric motor. 2,475,560, July 5.
- Brown, Gordon H., Detroit, Mich. Electric teakettle. 2,489,560, Nov. 29.
- Brown, Guy J., assignor of one-half to I. E. Behrend, Chicago, Ill. Play mat. 2,479,203, Aug. 16.
- Brown, Harold, Flushing, N. Y. Smoker's pipe with adjustable tube. 2,476,080, July 12.
- Brown, Harold J., and J. A. Mas, Indianapolis, Ind., assignors to Electronic Laboratories, Inc. Vibrator circuit. 2,459,866, Jan. 25.
- Brown, Harold P., and A. G. Armstrong, assignors to British Motor Boat Manufacturing Company Limited, London, England. Screw propeller steering and depth regulation apparatus. 2,466,635, Apr. 5.
- Brown, Henry, assignor to The Udylyte Corporation, Detroit, Mich. Electrodeposition of nickel from an acid bath. 2,466,677, Apr. 12.
- Brown, Henry, assignor to The Udylyte Corporation, Detroit, Mich. Electrodeposition of nickel. 2,467,580, Apr. 19.
- Brown, Henry A., Cleveland, Ohio. Safety control for track switches. 2,472,063, June 7.
- Brown, Herbert C.: See—
Schlesinger, Hermann I., and Brown.
- Brown, Herbert W., Chicago, Ill. Hand mirror having frame with overlapping handle portions. 2,465,428, Mar. 29.
- Brown, Herschel S., St. Louis, and H. D. Dallmeyer, St. Charles, Mo. Insect electrocutor. 2,465,574, Mar. 29.
- Brown, Holwin T., assignor to Troutman Shirt Company, Troutman, N. C. Pocket structure. 2,468,955, May 3.
- Brown, Howard C., assignor to B. & B. Oil Tool Co., Bakersfield, Calif. Cleaning perforations in well liners. 2,464,669, Mar. 15.
- Brown, Howard P., Meridian, Miss. Trailer dolly. 2,469,152, May 3.
- Brown, James A., Houston, Tex. Interest calculator. 2,477,785, Aug. 2.
- Brown, James R., Houston, Tex. Lawn sprinkler. 2,481,074, Sept. 6.
- Brown, John C.: See—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Brown, John C., Upper Montclair, N. J. Hook or hanger. 2,490,994, Dec. 13.
- Brown, John J.: See—
Young, Ray C., and Brown.
- Brown, John L., Lacon, Ala. Gunstock cartridge holder. 2,476,355, July 19.
- Brown, John M.: See—
Burner, Robert R., and Brown.
- Brown, John P., Brooklyn, N. Y. Garment hanger. 2,490,201, Dec. 6.
- Brown, John P., Croydon, England. Gyroscopic control apparatus. 2,459,495, Jan. 18.
- Brown, John T. L., Short Hills, and C. E. Pollard, Jr., Hohokus, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,472,566, June 7.
- Brown, John W., Jr., assignor to Brown Fintube Company, Elyria, Ohio. Resistance welding finned tubes. 2,483,454, Oct. 4.
- Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Welding fins to tubular members by electric resistance welding. 2,473,633, June 21.
- Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Electric resistance welding method. 2,473,634, June 21.
- Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Portable heater. 2,473,783, June 21.
- Brown, Joseph L., Charlotte, N. C. Aligning the rear axles of trailers and the like. 2,479,723, Aug. 23.
- Brown, Joseph M., Westfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Balanced heat system for vacuum drying. 2,477,959, Aug. 2.
- Brown, Kenneth N.: See—
Melghan, Merl H., and Brown.
- Brown, Kenneth R.: See—
Mosley, Carl E., and Brown.
- Brown, La Fayette L., assignee: See—
Brown, Milton S.
- Brown, Lawrence S.: See—
Newell, William H., Tear, and Brown.
- Brown, Leo H., Glenville, Conn. Waterproof watch setting means. 2,462,839, Mar. 1.
- Brown, Leo H., Glenville, Conn. Reflex sight with large exit pupil. 2,464,209, Mar. 15.
- Brown, Leo H., Glenville, Conn. Bore sight for insertion in the breech chamber of guns to provide overlapping images of muzzle portions of the gun bores. 2,472,091, June 7.
- Brown, Leo H., Glenville, Conn. Collimating sight and reflecting aiming post for indirect aiming of a gun. 2,491,476, Dec. 20.
- Brown, Linsly G., Jamestown, N. Y. Machine for automatically producing given work on successive surfaces of articles. 2,486,819, Nov. 1.
- Brown, Louis B., Duquesne, Pa. Chuck reconditioning device. 2,459,914, Jan. 25.
- Brown, Louis I., assignee: See—
Tarshis, Ralph.
- Brown, Luther S., Fresno, Calif. Violin bow. 2,483,486, Oct. 4.
- Brown, Maurice J., deceased, West Dearborn, Mich., by T. G. Masters, Detroit, and O. B. Wiley, Dearborn, Mich., administrators. Drill holder. 2,463,354, Mar. 1.
- Brown, Milton F., Jr., Thomson, Ga. Button fastener. 2,462,717, Feb. 22.
- Brown, Milton S., Warrenton, assignor of one-half to L. L. Brown, Macon, N. C. Cotton chopper and tobacco pater. 2,485,693, Oct. 25.
- Brown, Morden G., Williamsville, N. Y., assignor to American Optical Company, Southbridge, Mass. Instrument for hemoglobin determination having two filters to match the spectral curve of oxyhemoglobin. 2,481,567, Sept. 13.
- Brown, Morden G., Williamsville, and H. F. Lundberg, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Optical comparison hemoglobinometer having a reflector supporting transverse partition. 2,482,850, Sept. 20.
- Brown, Morris C., Richmond Heights, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,472,692, June 7.
- Brown, Morris E., assignor to Eastman Kodak Company, Rochester, N. Y. Variable field mechanism for view finders. 2,475,942, July 12.
- Brown, Morris R., McMinnville, Ore. Steering means for power-driven surf-boards. 2,470,137, May 17.
- Brown, Myron J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Connection block for use with carrier-current line traps. 2,467,727, Apr. 19.
- Brown, Norman F., Stow, Scotland, assignor of one-half to Indo-Burma Petroleum Company Limited, Calcutta, India. Apparatus for raising natural oils and other liquids by gaseous pressure. 2,458,053, Jan. 4.
- Brown, Norman K., South Haven, Mich. Folding table leg lock. 2,463,082, Mar. 1.
- Brown Oil Tools, Inc., assignee: See—
Brown, Cicero C., McCray, and Scott, Jr.
- Brown, Paul D., Ithaca, N. Y. Sharpener for blades. 2,475,371, July 5.
- Brown, Paul H., Detroit, Mich. Golf practice target element. 2,490,409, Dec. 6.
- Brown, Potter M., Jr., assignor to Richmond Mica Company, Richmond, Va. Roller and drum mill for flaking mica. 2,482,740, Sept. 27.
- Brown, Reynolds D., Jr., Blue Bell, assignor to Philco Corporation, Philadelphia, Pa. Electrooptical projection apparatus. 2,467,462, Apr. 19.
- Brown, Richard G., Pittsburgh, Pa., assignor to Pittsburgh Plastic Tile Company. Interlocking wall tile. 2,490,577, Dec. 6.
- Brown, Richard J., Hastings on Hudson, N. Y., assignor to Anaconda Wire and Cable Company. Striping of vinyl resin coated wires with ketone dye solutions. 2,474,088, June 21.

- Brown, Richard T., Aberdeen, Md. Combination telephone headset and handset. 2,487,787, Nov. 15.
- Brown, Robert C., Milwaukee, Wis. Toilet seat. 2,486,631, Nov. 1.
- Brown, Robert C., Jr., assignee: *See—*
Glover, John C., Jr.
- Brown, Robert H., Flushing, N. Y. Noise generating system. 2,486,106, Oct. 25.
- Brown, Robert L., assignee: *See—*
Waara, David H.
- Brown, Robert L., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative combined with n-alkoxymethyl polyamide. 2,462,159, Feb. 22.
- Brown, Robert L., Chesapeake, W. Va. Work-exPELLing device for tubular saws. 2,484,150, Oct. 11.
- Brown, Robert L., Ferndale, Mich. Door check device. 2,473,359, June 14.
- Brown, Robert L., Ferndale, Mich. Molding attaching means. 2,476,207, July 12.
- Brown, Robert O.: *See—*
Kimball, Mary H., Harrel, and Brown.
- Brown, Roger W., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Adjustable variable slide actuator. 2,484,874, Oct. 18.
- Brown, Roland E.: *See—*
Lyon, Norman W., and Brown.
- Brown, Roy L.: *See—*
Hibbard, Lloyd J., Gibbs, and Brown.
Knotts, Charles L., and Brown.
- Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Steering mechanism for wheeled land vehicles. 2,459,753, Jan. 18.
- Brown, Russell E., and M. J. Nielsen, Jackson, Mich. Lighter. 2,480,709, Aug. 30.
- Brown, Russell M., Prince Georges County, Md. Draftsman's device. 2,458,054, Jan. 4.
- Brown and Sharpe Manufacturing Company, assignee: *See—*
Mathewson, Maxwell I.
- Brown, Sidney C., Petersham, England. Weight integrator. 2,488,760, Nov. 22.
- Brown, Steffen A., Dayton, Ohio. Motor construction. 2,481,819, Sept. 13.
- Brown, Steffen S., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Short-circuiter for alternating current motors. 2,465,195, Mar. 22.
- Brown, Steffen S., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Electric motor construction. 2,483,524, Oct. 4.
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Adjustable axle and wheel assembly. 2,472,742, June 7.
- Brown, Theophilus and G. Ickes, assignors to Deere & Company, Moline, Ill. Adjustable mounting for steerable wheels. 2,483,619, Oct. 4.
- Brown, Thomas J., assignor to E. B. Bush, Oklahoma City, Okla. Pole holder device. 2,487,094, Nov. 8.
- Brown, Thomas W. F., Newcastle on Tyne, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Pipe expansion joint. 2,472,279, June 7.
- Brown, Ual J., Oklahoma City, Okla. Self-energizing electrolytic corrosion preventing device. 2,468,357, Apr. 26.
- Brown, Virginia S., Hollywood, Calif. Footwear. 2,491,297, Dec. 13.
- Brown, Wallace M., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Level winding drum. 2,483,688, Oct. 4.
- Brown, Walter J., and A. L. W. Williams, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Connection means for phonograph pickups. 2,485,137, Oct. 18.
- Brown, Warren, Drexel Hill, Pa., assignor to Vickers Incorporated, Detroit, Mich. Hydraulic power transmission with bypass flow control valve. 2,487,520, Nov. 8.
- Brown, William, Nottingham, England. Magnetolectric machines. 2,489,517, Nov. 29.
- Brown, William A., Bronx, N. Y., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Paste-applying mechanism. 2,469,030, May 3.
- Brown, William A., Pensacola, Fla. Electronic timing and control means for relays. 2,467,008, Apr. 12.
- Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,463,512, Mar. 8.
- Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,473,567, June 21.
- Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,485,084, Oct. 18.
- Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,480,900, Sept. 6.
- Brown, William C., Lincoln, and E. N. Kather, South Lincoln, assignors to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,480,999, Sept. 6.
- Brown, William E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,461,196, Feb. 8.
- Brown, William E., Pewaukee, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Cooling system for electron tubes and other devices. 2,475,473, July 5.
- Brown, William F., Kansas City, Mo. Combination furniture. 2,466,204, Apr. 5.
- Brown, William P., Detroit, Mich., assignor of forty-nine per cent to F. Lake, Marion, Ohio. Scissors jack. 2,467,657, Apr. 19.
- Brown, William T., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Ultra high frequency amplifier system. 2,485,559, Oct. 25.
- Brown, William T., West Suffield, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Tennis racket. 2,481,075, Sept. 6.
- Brown, William V., Flushing, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Pitch indicator for variable pitch propellers. 2,472,693, June 7.
- Browne, Donald B., Harpenden, England, assignor to General Motors Corporation, Detroit, Mich. Fuel lever indicator system. 2,459,261, Jan. 18.
- Browne, Donald W., Chicago, Ill. Heating element. 2,462,607, Feb. 22.
- Browne, Jack, assignor, by mesne assignments, to Diving Equipment and Supply Co., Milwaukee, Wis. Nose clip. 2,488,616, Nov. 22.
- Browne, Kenneth A., Lakewood, Ohio, assignor to Wright Aeronautical Corporation. Centrifugal compressor construction. 2,482,462, Sept. 20.
- Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Turbine cooling system. 2,463,851, Mar. 8.
- Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Two-speed propeller drive system. 2,482,460, Sept. 20.
- Browne, Kenneth A., Ridgewood, and W. D. Cannon, Hohokus, N. J., assignors to Wright Aeronautical Corporation. Engine cooling system. 2,482,461, Sept. 20.
- Browne, Paul W., assignor of forty-nine per cent to L. Hardwick, Roodhouse, Ill. Disk sharpening machine. 2,477,361, July 26.
- Browne, Stewart R., Mfg. Co., Inc., assignee: *See—*
Anderson, Gordon S.
- Browne, William H., and A. E. Pavlish, Columbus, Ohio, assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Making filter units. 2,476,582, July 19.
- Brownell, Clifford E., assignor to Lisk-Savory Corporation, Buffalo, N. Y. Receptacle closure. 2,475,125, July 5.
- Brownell, Clifford E., Buffalo, assignor of one-fourth to A. F. Wilson, East Aurora, one-fourth to E. N. Wilson, one-fourth to L. A. Wilson, and one-fourth to S. S. Wilson, Buffalo, N. Y. Hinge construction. 2,491,159, Dec. 13.
- Brownell, Robert F., Theresa, N. Y. Distance measuring device. 2,484,151, Oct. 11.
- Browner, William J., assignor, by mesne assignments, to B. B. Schneider, and M. Dressler, Chicago, Ill. Neon-type sign. 2,488,169, Nov. 15.
- Browning, Charles B., Vallejo, Calif. Tamperproof mailbox. 2,470,138, May 17.
- Browning, Frederick E., Vancouver, British Columbia, Canada. Lawn mower. 2,492,521, Dec. 27.
- Browning, George L., Jr., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Aromatic mercapto-aliphatic ethers as modifiers for butadiene emulsion polymerization. 2,460,567, Feb. 1.
- Browning, J. M. & M. S., Company, assignee: *See—*
Browning, Val A.
- Browning, Kenneth W., Murray, Utah. Window and blind construction. 2,486,000, Oct. 25.
- Browning, Richard L., Euclid, assignor to Victor R. Browning & Company, Incorporated, Willoughby, Ohio. Braking mechanism. 2,491,850, Dec. 20.
- Browning, Samuel D., Essex Fells, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Method and apparatus for testing direction finders. 2,468,028, Apr. 26.
- Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Self-loading recoil-operated firearm. 2,465,196, Mar. 22.
- Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firing mechanism. 2,474,180, June 21.
- Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Cartridge transfer mechanism for magazine firearms. 2,480,074, Aug. 23.
- Browning, Victor R., & Company, Incorporated, assignee: *See—*
Browning, Richard L.
- Browning, William C.: *See—*
Salvesen, Jorgen R., Harmon, and Browning.
- Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Field magnet unit for flywheel magnetos. 2,458,336, Jan. 4.
- Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Stator unit for flywheel magnetos. 2,470,467, May 17.

- Brownlee, Allen L., West Springfield, and A. I. Alstrom, Longmeadow, assignors to Wico Electric Company, West Springfield, Mass. Breaker point mechanism. 2,464,779, Mar. 15.
- Brownlee, Allen L., and G. F. McGrevy, assignors to Wico Electric Company, West Springfield, Mass. Mounting for stators of flywheel magnetos. 2,487,095, Nov. 8.
- Brownlee, Dalmar T., assignor to C. Drexler, Indianapolis, Ind. Overload releasing toolholder. 2,463,083, Mar. 1.
- Brownlow, Cecil L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Seismometer case cover. 2,477,172, July 26.
- Brownscombe, Philip J., Chatham, assignor to Griscombe Corporation, Newark, N. J. Combined photographic copying stand and apparatus. 2,470,844, May 24.
- Broyles, John E., Natick, Mass. Aircraft propelling mechanism. 2,475,813, July 12.
- Brubaker, George P., Los Angeles, Calif., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y. Sound recorder. 2,463,513, Mar. 8.
- Brubaker, Jacob E., assignor to The Hubley Manufacturing Company, Lancaster, Pa. Toy pistol. 2,477,033, July 26.
- Brubaker, Jacob Z., Manheim, Pa. Thermostat controlled means for maintaining dual temperature in motors. 2,468,735, May 3.
- Brubaker, John T., Luray, Va. Mechanical pencil of the screw feed type. 2,492,838, Dec. 27.
- Brubaker, John T., Luray, Va. Mechanical pencil with both step-by-step and gravity feeds. 2,492,839, Dec. 27.
- Brubaker, Merlin M., Delaware County, and R. A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic compound polymerization process. 2,462,354, Feb. 22.
- Brubaker, William, assignor to Akron Brass Manufacturing Company, Inc., Wooster, Ohio. Reattachable gasoline hose coupling. 2,467,520, Apr. 19.
- Brubaker, Wilson M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control of arcing electrodes. 2,476,808, July 19.
- Bruce, E. L., Co., assignee: *See—*
Lyons, Frank H., and Ferdon.
- Bruce, Everett A., Paoli, Pa., and C. W. Hagerman, New Castle, Ind., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of dichlorodiphenyltrichloroethane. 2,491,160, Dec. 13.
- Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Grinding wheel dressing mechanism. 2,468,921, May 3.
- Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Apparatus for adjusting the electrical condition of electrical analyzers. 2,458,829, Jan. 11.
- Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Well analyzer. 2,472,464, June 7.
- Bruce, William F., Penfield, assignor to Wyeth Incorporated, Philadelphia, Pa. Lactone derivatives of 2-pyridone compounds. 2,459,360, Jan. 18.
- Bruce, William F., Haverton, and W. J. McDermott, Drexel Hill, assignors to Wyeth Incorporated, Philadelphia, Pa. Manufacture of pyrimidino (4,5-b) pyrazines. 2,476,809, July 19.
- Bruchsaler, Karl, Stockton, Calif. Edge runner mill. 2,475,814, July 12.
- Bruck, George G.: *See—*
Sprague, Robert M., Bruck, and Volz.
- Bruck, George G., East Orange, N. J., assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency stabilizing device. 2,468,029, Apr. 26.
- Bruck, George G., East Orange, N. J., assignor to Raytheon Manufacturing Company, Newton, Mass. Mixing apparatus. 2,468,166, Apr. 26.
- Bruck, George G., East Orange, N. J., and P. J. Pontecorvo, Cambridge, assignors to Raytheon Manufacturing Company, Newton, Mass. Frequency-stabilizing system. 2,462,841, Mar. 1.
- Bruck, George G., East Orange, N. J., P. E. Volz, Auburndale, P. J. Pontecorvo, Cambridge, Mass., and M. C. Vosburgh, New York, N. Y., assignors to Raytheon Manufacturing Company, Newton, Mass. Radio communication system. 2,475,474, July 5.
- Bruck, George G., East Orange, N. J., and P. E. Volz, Auburndale, assignors to Raytheon Manufacturing Company, Newton, Mass. Frequency-stabilizing system. 2,486,001, Oct. 25.
- Bruckhauser, William K., Brookline, Mass., assignor to International Paper Company, New York, N. Y. Box. 2,460,870, Feb. 8.
- Bruckner, Martha L. and W. S., Multnomah, Ore.; said W. S. Bruckner assignor to said M. L. Bruckner. Service tray. 2,466,636, Apr. 5.
- Bruckner, William S.: *See—*
Bruckner, Martha L. and W. S.
- Bruderlin, Henry H., Venice, Calif. Brassière. 2,472,280, June 7.
- Bruderlin, Henry H., Venice, Calif. Garment. 2,472,281, June 7.
- Bruckner, Karl K., assignor to A. O. Smith Corporation, Milwaukee, Wis. Flexible electrode for welding. 2,471,478, May 31.
- Bruegger, Ernest, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Apparatus for use in making precoiled helical fins. 2,469,223, May 3.
- Bruegger, Ernest, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Making precoiled helical fins. 2,482,241, Sept. 20.
- Bruehl, Lawrence: *See—*
Leathers, Ward, and Bruehl.
- Bruen, George C., assignor of seventy and one-half per cent to S. E. Bruen, Chicago, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and one-half per cent to G. A. Stuart, Washington, D. C., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,472,567, June 7.
- Bruen, George C., deceased, by S. E. Bruen, executrix, Chicago, assignor, by mesne assignments, of seventy and five-tenths per cent to said S. E. Bruen, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,473,856, June 21.
- Bruen, George C., deceased, by S. E. Bruen, executrix, Chicago, Ill., assignor of seventy and five-tenths per cent to said S. E. Bruen, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,477,786, Aug. 2.
- Bruen, George C., deceased, by S. E. Bruen, executrix, Chicago, Ill., assignor of seventy and five-tenths per cent to S. E. Bruen, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,480,444, Aug. 30.
- Bruen, George C., deceased, by S. E. Bruen, executrix, Chicago, Ill., assignor of seventy and five-tenths per cent to S. E. Bruen, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,480,445, Aug. 30.
- Bruen, George C., deceased, by S. E. Bruen, executrix, Chicago, Ill., assignor of seventy and five-tenths per cent to S. E. Bruen, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,486,820, Nov. 1.
- Bruen, Sophie E., assignee: *See—*
Bruen, George C.
- Bruene, Warren B., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic radio control apparatus. 2,467,422, Apr. 19.
- Bruene, Warren B., assignor to Collins Radio Company, Cedar Rapids, Iowa. Dual microphone system. 2,490,943, Dec. 13.
- Brueske, George A., Wayzata, Minn., assignor to Bell & Howell Company, Chicago, Ill. Film feed and shutter interlock for roll film cameras. 2,475,126, July 5.
- Bruistle, Carl O., Rahway, assignor to Synco Machine Company, Perth Amboy, N. J. Tape reel. 2,465,631, Mar. 29.
- Bruistle, Charles C., assignee: *See—*
Spaulding, Ralph E.
- Bruington, Eldon J., Onamia, Minn. Trolling spoon. 2,478,085, Aug. 2.
- Brucker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Siphon apparatus for heated rolls. 2,460,059, Jan. 25.
- Brucker, Hobart W., assignor to G. W. Swift, Jr., Inc., Bordentown, N. J. Sheet delivery apparatus. 2,467,423, Apr. 19.
- Brumbaugh, Harold C., Portland, Ore. Collapsible trailer vehicle. 2,483,332, Sept. 27.
- Brumhill, Claude W., assignor to The Imperial Typewriter Company Limited, Leicester, England. Guide means for typewriter ribbons. 2,467,880, Apr. 19.
- Brumhill, Claude W., assignor to The Imperial Typewriter Company Limited, Leicester, England. Ribbon guiding means for typewriters. 2,467,881, Apr. 19.
- Brumhill, Claude W., assignor to The Imperial Typewriter Company Limited, Leicester, England. Margin stop-setting mechanism for typewriters. 2,467,882, Apr. 19.

- Brumhill, Claude W., assignor to The Imperial Typewriter Company, Limited, Leicester, England. Ribbon feeding mechanism for typewriters. 2,479,669, Aug. 23.
- Brummer, Henry, Queens Village, N. Y. Tire valve operating device. 2,489,397, Nov. 29.
- Brummer, Olin, Oak Park, Ill. Oil seal means or the like. 2,480,116, Aug. 30.
- Brump, Herbert L., assignor to A. R. Lambert, Dayton, Ohio, doing business under the firm name of Ohio Units. Remote control for reversing reciprocity table drives. 2,486,107, Oct. 25.
- Brun, Marcel, Saint-Etienne, France. Cycle bell. 2,460,166, Jan. 25.
- Brun, Marcel, Saint-Etienne, France. Cycle bell. 2,462,718, Feb. 22.
- Brunberg, Paul E., Detroit, Mich. Resistance welding. 2,492,551, Dec. 27.
- Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Visor. 2,458,677, Jan. 11.
- Brundell, Per G., and S. H. Tjernström, Vargon, Sweden. Obtaining metals, oxides, and salts, from bituminous shale. 2,468,654, Apr. 26.
- Brunel, Henri, Paris, France. Preparing solutions of colloidal sulfur and the products thereof. 2,458,764, Jan. 11.
- Brunel, Jean, Saint Etienne, France. Machine tool and the like. 2,486,108, Oct. 25.
- Bruner, Walter M.: See—
Gresham, William F., and Bruner.
- Brunetti, Joseph, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Molded plastic container having hinged cover. 2,460,488, Feb. 1.
- Bruning, Charles, Company, Inc., assignee: See—
Streich, Paul B.
- Brunjes, Austin S., Plandome, N. Y., and M. J. P. Bogart, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y. Halogenation of aromatic hydrocarbons. 2,470,336, May 17.
- Brunken, Renke, Shaker Heights, assignor to The White Motor Company, Cleveland, Ohio. Driving mechanism for engine accessories. 2,467,077, Apr. 12.
- Brunken, Renke, and R. Haag, Cleveland, Ohio. Electric control mechanism for automatic transmissions. 2,484,011, Oct. 11.
- Brunn, Robert B. J., Manhasset, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. System for translating pulse signals of variable time delay. 2,491,029, Dec. 13.
- Brunne, Alwin E., assignor of twenty per cent to H. M. Sherman, Toronto, Ontario, Canada. Conveyor for dehydrating machines. 2,459,915, Jan. 25.
- Brunner, Anton J.: See—
Adair, Frank M., Brunner, and Trebes.
- Brunner, Eugene M., El Cerrito, and E. S. Mardock, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Method and apparatus for radiological measurements. 2,476,810, July 19.
- Brunner, Ray, Economy Township, Beaver County, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Expanding mandrel for feed reels. 2,481,000, Sept. 6.
- Brunner, Joseph J., Calumet City, Ill. Smoke eliminator for underfeed stokers. 2,478,086, Aug. 2.
- Bruno, Anthony J., New York, N. Y. Film viewer. 2,461,718, Feb. 15.
- Bruns, William H., Lincolnale, assignor to Otis Elevator Company, New York, N. Y. Elevator system. 2,468,289, Apr. 26.
- Brunswick-Balke-Collender Company, The, assignee: See—
Anderson, Robert L., and Hoeker.
Ellison, Clifford L., and Pospishek.
- Brunt, William J., Rahway, N. J. Fault locator coil. 2,466,079, Apr. 5.
- Brush Development Company, The, assignee: See—
Arndt, John P., Jr.
Baerwald, Hans G.
Brown, Walter J., and Williams.
Gravley, Charles K.
Harm, George O.
Jaffe, Hans.
Kjellgren, Bengt R. F.
Malone, Edward J.
Shaper, Harry B.
Shaper, Harry B., and Franks.
Squire, Edmund M.
Swinehart, Frank.
Thompson, Lincoln.
Williams, Alfred L. W.
- Brushaber, Herman J., deceased, Milwaukee, Wis.; R. E. Brushaber, executor. Fitting of connecting BX cables to outlet boxes. 2,465,844, Mar. 29.
- Brushaber, Ralph E., executor: See—
Brushaber, Herman J.
- Bruson, Herman A.: See—
Raterink, Harry R., and Bruson.
- Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. 2-(β -carboxyethyl)-2-cyclohexenyl cyclohexanone. 2,466,680, Apr. 12.
- Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Cyanobutenyl acetoacetic esters. 2,484,683, Oct. 11.
- Bruson, Herman A., Rydal, and T. W. Riener, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Preparing gamma-dialkyl butyroltriles. 2,458,337, Jan. 4.
- Bruson, Herman A., Rydal, and W. D. Niederhauser, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Diamino compound. 2,460,733, Feb. 1.
- Bruson, Herman A., Rydal, and H. R. Raterink, Drexel Hill, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Acylated suberates and azelates. 2,466,678, Apr. 12.
- Bruson, Herman A., Rydal, and T. W. Riener, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. 2-acyl-2-(δ -cyanobutenyl)-cycloalkanones. 2,466,679, Apr. 12.
- Bruson, Herman A., Rydal, and H. R. Raterink, Drexel Hill, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. 1-chloro-2-acyl-1-cyclohexenes. 2,466,681, Apr. 12.
- Bruson, Herman A., Rydal, and H. R. Raterink, Drexel Hill, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. 2-acyl-2-(β -carbalkoxyethyl)-cycloalkanones. 2,466,926, Apr. 12.
- Bruson, Herman A., Rydal, and W. D. Niederhauser, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Resinous condensates from polyamines and aldehydo-carboxylic acids. 2,489,366, Nov. 29.
- Brust, Jack, Los Angeles, Calif. Baby's shoe with enlargeable opening. 2,483,525, Oct. 4.
- Brustman, Joseph A., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Code selector. 2,482,242, Sept. 20.
- Brutocao, Angelo, Louis, and Leonard, Toronto, Ontario, Canada. Flower pick. 2,486,109, Oct. 25.
- Brutocao, Leonard: See—
Brutocao, Angelo, Louis, and Leonard.
- Brutocao, Louis: See—
Brutocao, Angelo, Louis, and Leonard.
- Bruton, David A., Albemarle, N. C. Radio time switch. 2,484,152, Oct. 11.
- Bryan, Ernest A., Bexley, assignor to Siemens Brothers & Co. Limited, London, England. Electromagnetic relay. 2,458,247, Jan. 4.
- Bryan, George W., Jr., Belmar, N. J. Receiver system. 2,490,025, Dec. 6.
- Bryan, Grace E., Tulsa, Okla. Clothing protector. 2,492,265, Dec. 27.
- Bryan, John W., Traphill, N. C. Bowling alley sanding machine. 2,489,398, Nov. 29.
- Bryan, Thomas J., Brooklyn, N. Y. Combined cigarette or tobacco package and ash tray. 2,462,160, Feb. 22.
- Bryane, Helen F.: See—
Horton, Richard J., and Bryane.
- Bryans Aerogroup Limited, assignee: See—
Austin, John.
- Bryans, Frank: See—
Allen, Sidney J., Drewitt, and Bryans.
- Bryant, Austin U.: See—
Grove, Marvin H., and Bryant.
- Bryant, Austin U., Alameda, Calif. Egg cleaning apparatus. 2,461,960, Feb. 15.
- Bryant Chucking Grinder Company, assignee: See—
Arms, Merton H., and Augustenovich.
Breese, James L.
Bryant, William J., and Ljunggren.
Day, Bernard C.
Ljunggren, Thor H.
Ljunggren, Thor H., and Green.
Ljunggren, Thor H., and Johnson.
- Bryant, Donald D., Huntington, W. Va. Journal box lid. 2,481,076, Sept. 6.
- Bryant, Edwin F., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Acid amides of pectinic acid and their preparation. 2,480,710, Aug. 30.
- Bryant Electric Company, The, assignee: See—
Hodgkins, Charles H.
Webster, Benjamin C.
- Bryant, Eugene E., Bedford, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Porcelain enamel finish. 2,466,682, Apr. 12.
- Bryant, George A., Greensboro, N. C. Folding hand truck. 2,479,467, Aug. 16.
- Bryant, Guy A., Chicago, Ill. Vehicle anchoring means. 2,464,021, Mar. 8.
- Bryant, Harold W.: See—
Cornthwaite, William R., and Bryant.
- Bryant, Harold W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolysis of polyvinyl esters. 2,481,388, Sept. 6.
- Bryant Heater Company, assignee: See—
Higley, Frank R.
- Bryant, Herwil M., Washington, D. C., B. H. Dennison, Alexandria, Va., and R. E. White, U. S. Navy. Indicator system. 2,490,777, Dec. 13.
- Bryant, Newton W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plan position indicating system and method. 2,471,516, May 31.
- Bryant, Orby, Rolla, Mo. Brake apparatus. 2,485,032, Oct. 18.

- Bryant, William F., Chamblee, Ga. Fuel injection pump. 2,473,412, June 14.
- Bryant, William J., Springfield, Vt., and T. H. Ljunggren, Charlestown, N. H., assignors to Bryant Chucking Grinder Company, Springfield, Vt. Planetary grinding machine. 2,458,765, Jan. 11.
- Brydon, Thomas W.: *See*—
Parker, Irvine E., and Brydon.
- Bryson, Bert B., and M. A. Coleman, Kilgore, Tex. Snatch block. 2,470,686, May 17.
- Bryson, Mary E., assignee: *See*—
Bryson, Samuel B.
- Bryson, Ruth F., executrix: *See*—
Bryson, Tandy A.
- Bryson, Samuel B., assignor of one-half to M. E. Bryson, Klamath Falls, Oreg. Power saw filing bench. 2,480,546, Aug. 30.
- Bryson, Sylvester T., Jr., Wilmington, Del. Sliding heddle for composite looms. 2,486,919, Nov. 1.
- Bryson, Tandy A., deceased, Troy: R. F. Bryson, executrix, assignor to American Machine and Metals, Inc., New York, N. Y. Vibration damper. 2,465,429, Mar. 29.
- Bubb, John B., Palo Alto, and C. E. Wallace, San Jose, Calif. Contactor. 2,481,194, Sept. 6.
- Bubser, Andrew E., Jr., U. S. Navy. Fastening device. 2,477,575, Aug. 2.
- Buc, George L.: *See*—
Stearns, Edwin L., Jr., and Buc.
- Bucalo, John S., Cincinnati, Ohio. Setting gauge for corner beads. 2,463,167, Apr. 26.
- Buccicone, Dario, Gary, Ind. Magnetic conveyer for sheet piers. 2,486,733, Nov. 1.
- Buccilli, Harry, Detroit, Mich. Fishing leader assembly. 2,485,812, Oct. 25.
- Buchan, Frederick E., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Interior. Processing oil shale. 2,487,788, Nov. 15.
- Buchanan, Duncan F., Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Asbestos-aluminum coating composition. 2,477,236, July 26.
- Buchanan Electrical Products Corporation, assignee: *See*—
Buchanan, Stephen N.
Deuschle, Fritz.
Terry, Joel L.
- Buchanan, Frank, Guntersville, Ala. Lug strap hanger. 2,461,138, Feb. 8.
- Buchanan, J. D., Burbank, Calif. Reciprocating valve. 2,490,944, Dec. 13.
- Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two temperature refrigeration apparatus. 2,458,560, Jan. 11.
- Buchanan, Leslie B. M., Wilbraham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Antihunting servo control system. 2,463,498, Mar. 1.
- Buchanan, Lloyd W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual-voltage single-phase motor. 2,459,615, Jan. 18.
- Buchanan, Lloyd W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single-phase capacitor motor. 2,476,811, July 19.
- Buchanan, Michael K., Norfolk, Va. Ice tray. 2,463,947, Mar. 8.
- Buchanan, Neville, James, Roanoke, Va. Boron carbide compound. 2,479,097, Aug. 16.
- Buchanan, Russell B., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gun-nery training device. 2,459,867, Jan. 25.
- Buchanan, Russell B., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft. 2,470,468, May 17.
- Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation. Cable lock connector. 2,463,144, Mar. 1.
- Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation. Automatic line splice and terminal connector. 2,463,145, Mar. 1.
- Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation. Armored cable connector. 2,490,253, Dec. 6.
- Buchdahl, Rolf: *See*—
Talbot, William F., and Buchdahl.
- Buchele, William, Toledo, Ohio. Grinding television corrector plates. 2,479,204, Aug. 16.
- Bucher, Armin, Basel, Switzerland, assignor to Ciba Limited. Copper phthalocyanine dyestuff. 2,492,732, Dec. 27.
- Bucher, Francis X.: *See*—
Mumma, Robert E., and Bucher.
- Bucher, Simon, and J. J. Johnson, Milwaukee, Wis. Scaffold supporting bracket for ladders. 2,467,424, Apr. 19.
- Buchhagen, Walter H., Akron, Ohio. Folding gocart. 2,466,760, Apr. 12.
- Büchi, Alfred, Winterthur, Switzerland. Cooling device for turbine rotors. Re. 23,172, Nov. 29.
- Büchi, Alfred, Winterthur, Switzerland. Shaft and bearing arrangement. 2,480,095, Aug. 23.
- Büchi, Alfred, Winterthur, Switzerland. Gas turbine-driven blower. 2,486,731, Nov. 1.
- Büchi, Alfred, Winterthur, Switzerland. Rotor for radial turbines. 2,486,732, Nov. 1.
- Buchman, Edwin R.: *See*—
Koepfli, Joseph B., and Buchman.
- Buchmann, Edward G., Chicago, Ill. Toy. 2,463,355, Mar. 1.
- Buchmiller, William A., assignor to G. Fritz, Chicago, Ill. Feeding and reciprocating mechanism for sewer cleaner snakes. 2,488,490, Nov. 15.
- Buchsbaum, Herbert: *See*—
Myerson, Joseph J., and Buchsbaum.
- Buchsbaum, S., & Company, assignee: *See*—
Fahringer, Harry J., and Olsen.
- Myerson, Joseph J., and Buchsbaum.
- Buck, Calvin M., Jr.: *See*—
Glenn, Wilbur A., and Buck.
- Buck, Chauncey M., Indianapolis, Ind. Pump control system. 2,486,256, Oct. 25.
- Buck, George J., Minneapolis, Minn. Fuel filler can. 2,481,719, Sept. 13.
- Buck, James C.: *See*—
Clark, Albert R., and Buck.
- Buck, Richard S., Glastonbury, and W. A. Ledwith, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Control for spill ports in free-piston units. 2,469,712, May 10.
- Buck, William H.: *See*—
Musselman, Henry E., and Buck.
- Buckbee, John A., Fort Wayne, Inc., assignor, by mesne assignments, to Farnsworth Research Corporation. Phase comparator circuit. 2,489,262, Nov. 29.
- Buckbee, John A., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Pulse width control. 2,490,026, Dec. 6.
- Buckels, Chris C., assignor to Henry Hildebrandt, Chicago, Ill. Mounting bracket for outlet or junction boxes. 2,480,805, Aug. 30.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Resilient lubricant seal. 2,462,067, Feb. 22.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power-transmitting mechanism. 2,466,683, Apr. 12.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Axle housing. 2,477,576, Aug. 2.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Convolute axle housing member. 2,478,180, Aug. 9.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Axle housing. 2,480,833, Sept. 6.
- Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle drive axle. 2,480,836, Sept. 6.
- Buckey, Jefferson P., deceased, Easton; J. F. McGowan, administrator, assignor to J. T. Kilbride, Stratford, Conn. Abrading element and making same. 2,463,678, Mar. 8.
- Buckey, Jefferson P., deceased, Easton; J. F. McGowan, administrator, assignor to J. T. Kilbride, Stratford, Conn. Abrading means and making same. 2,463,679, Mar. 8.
- Buckeye Laboratories Corporation, The, assignee: *See*—
Egger, Charles J.
- Buckeye Steel Castings Company, The, assignee: *See*—
Johnson, George T.
Orr, Claude L.
- Bucklin, Frank F., Los Angeles, Calif. Pump. 2,479,724, Aug. 23.
- Buckley, Arthur H., assignor to Reliable Electric Company, Chicago, Ill. Combined fuse bank and alarm switch. 2,476,236, July 12.
- Buckley, Clyde D., Needham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener attaching tool. 2,462,801, Feb. 22.
- Buckley, Clyde D., Stamford, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for fastener attaching means. 2,462,802, Feb. 22.
- Buckley, Donald J., Plainfield, N. J., and A. L. Chaney, Baton Rouge, La., assignors to Standard Oil Development Company. Continuous plasticization process. 2,466,300, Apr. 5.
- Buckley, Gerard D., and N. H. Ray, Northwich, England, assignors to Imperial Chemical Industries Limited. Manufacture of nitrogen-containing compounds. 2,479,205, Aug. 16.
- Buckley Music System, Inc., assignee: *See*—
Henry, Earle G.
- Buckley, Swithin W., Wilmington, Del. Snap type wire terminal. 2,487,521, Nov. 8.
- Buckley, Walter D., Berkeley, and P. E. McCoy, assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Waterproof concrete composition. 2,483,806, Oct. 4.
- Buckley, William L.: *See*—
Hollerner, William K., and Buckley.
- Bucklin, George W.: *See*—
Osinski, Edmund D., and Bucklin.
- Buckman, Alfred F., Jr.: *See*—
Budner, Anton E., Buckman, and Spurgat.

- Buckmann, John P., Redondo Beach, and L. L. Neff, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,461,961, Feb. 15.
- Buckmann, John P., Redondo Beach, and L. L. Neff, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,476,812 July 19.
- Buckmann, John P., Redondo Beach, and L. L. Neff, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,476,813, July 19.
- Bucknam, James H.: *See—*
Jones, Homer W., and Bucknam.
- Bucknam, James H., Cranford, and J. H. Rountree, Plainfield, assignors to The Linde Air Products Company. Machine for severing and shaping metal plates. 2,477,041, July 26.
- Buckner, John J., Benton Harbor, Mich., assignor to Remington Rand Inc., Buffalo, N. Y. Loose-leaf binder. 2,489,448, Nov. 29.
- Buckner, William N., assignor to Old Mission Packing Corporation, Ltd., San Diego, Calif. Pimiento coring machine. 2,482,837, Sept. 27.
- Buckthal, Elmer P., Brookfield, and G. Nidiffer, assignors to United Air Lines, Inc., Chicago, Ill. Combined electromagnetic and manual operated switch. 2,487,751, Nov. 8.
- Bucky, Peter A., Flushing, N. Y. Reminder device. 2,463,514, Mar. 8.
- Bucky, Peter A., Flushing, and P. Sarason, assignors to Tell-A-Turn Corporation, New York, N. Y. Sequence indication apparatus. 2,470,469, May 17.
- Bucyrus-Erie Company, assignee: *See—*
Davidson, Trevor O.
Hoar, Roger S., Mork, and Theiry.
Lehman, Werner.
Lonngrén, Bruno L.
Reischl, Karl E., Mork, and Davidson.
- Buczkowski, Stephen G., Chicago, Ill. Drip pan for toilet flush tanks. 2,479,000, Aug. 16.
- Budak, Nicholas M., Waterloo, Iowa. Lock protector. 2,461,676, Feb. 15.
- Buday, John, Milwaukee, Wis. Rotatable table sawing machine. 2,488,077, Nov. 15.
- Budd, Chester B., Akron, Ohio, and L. Larrick, Charlottesville, Va., assignors to The B. F. Goodrich Company, New York, N. Y. Cord flexing machine. 2,488,761, Nov. 22.
- Budd Company, The, assignee: *See—*
Adams, Comfort A.
Bentley, Rowland.
Braun, Ludwig.
Callender, Edwin M.
Callender, Edwin M., Phair, and Van Sciver.
Davies, Henry R.
Davies, Richard S.
Dean, Albert G.
Dean, Walter B.
Dean, Walter B., and Reynolds.
Eksergian, Carolus L.
Eksergian, Rupen.
Farr, Warren H.
Farr, Warren H., Ekserbian, and Dupont.
Gaenssle, Paul W.
Ledwinka, Joseph.
Lyon, John C.
Manning, Matthew J.
Manning, Matthew J., and Eisen.
McGary, Frank E., Hochreiter, Schlecht, and Shan-non.
Meyers, George N.
Murphy, Goodrich K.
Patton, John W.
Stever, William.
Van Sciver, Herbert D., II.
Wattier, Michael.
Weightman, William A.
Wersler, Clarence F., and Bukowski.
Winlock, Joseph.
Witte, Paul.
- Budenbom, Horace T.: *See—*
Baxter, Howard A., and Budenbom.
- Budig, Josef, Elmont, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Chuck. 2,471,407, May 31.
- Budlong, Docherty & Armstrong, Incorporated, assignee: *See—*
Armstrong, George A.
- Budner, Anton E., A. F. Buckman, Jr., and E. Spurgat, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Lusterless wax emulsions and method of preparation. 2,483,259, Sept. 27.
- Budnick, Jack, assignee: *See—*
DeRugieris, John.
- Budnik, Frank O., Chicago, Ill. Plastic bag having fused seams between wall forming strips and slide-fastener tapes. 2,475,277, July 5.
- Budreau, John L., Kenora, Ontario, Canada, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Skid loader. 2,491,030, Dec. 13.
- Budzien, Huzo F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fuel injection pump. 2,485,033, Oct. 13.
- Budzyna, Walter J., East Douglas, assignor to Draper Corporation, Hopedale, Mass. Picker stick stop for looms. 2,468,709, Apr. 26.
- Buecke, Carl C., Portland, Oreg. Car pit form. 2,458,055, Jan. 4.
- Buechek, John, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo. Dough folding machine. 2,453,338, Jan. 4.
- Buechek, John, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo. Dough sheeter. 2,478,685, Aug. 9.
- Buechele, Andrew C., Minneapolis, Minn., assignor to General Mills, Inc. Plastic composition. 2,462,053, Feb. 22.
- Buehler, Maynard P., Oakland, Calif. Telescope sight mount. 2,486,002, Oct. 25.
- Buehner, Oswald, West New York, N. J. Unipod for optical instruments. 2,460,568, Feb. 1.
- Buel Metals Company, assignee: *See—*
Matson, Amel E., and Trask.
- Buell, Albert W., Seattle, Wash. Jet heater. 2,481,077, Sept. 6.
- Buell, Leslie A., Holly, Mich. Ladder attachment. 2,466,838, Apr. 12.
- Buerger, Martin J., Lincoln, and E. Washken, Cambridge, Mass., assignors to Owens-Illinois Glass Company. Making bonded structures. 2,460,334, Feb. 1.
- Buettner, Vincent T. and W. J., Pittsburgh, Pa. Animal restraining device. 2,491,951, Dec. 20.
- Buettner, William J.: *See—*
Buettner, Vincent T. and W. J.
- Buff, Christopher, Hicksville, N. Y., assignor, by mesne assignments, to Jefferson Standard Broadcasting Company. Carrier frequency shift selecting system. 2,486,920, Nov. 1.
- Buffalo Brake Beam Company, assignee: *See—*
Busch, Charles R.
- Buffalo Electrical-Chemical Company, Inc.: *See—*
Rudolph, Hans A., and McEwen.
- Buffalo Electro-Chemical Company, Inc., assignee: *See—*
Greenspan, Frank P.
McEwen, Robert L.
- Buffalo Machinery Company, Incorporated, assignee: *See—*
Miller, Frank A.
- Buffalo Pottery Incorporated, assignee: *See—*
Gould, Robert E.
- Buffalo-Springfield Roller Co., The, assignee: *See—*
Greiner, Carl F.
- Buffard, Pasquale, Irvington, N. J. Safety device for machinery. 2,463,515, Mar. 8.
- Buffington, Alan P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Oscillation generator and frequency multiplier. 2,459,262, Jan. 18.
- Buffington, Alan P., assignor to Philco Corporation, Philadelphia, Pa. Detachable coupling. 2,484,684, Oct. 11.
- Buffington, Don M., Grand Falls, Tex. Hose clamp. 2,473,092, June 14.
- Buffington, Frank B., Chester, Pa. Automatic self-centering brake wear adjustment mechanism. 2,476,237, July 12.
- Buffington, Ralph M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,480,544, Aug. 30.
- Buffo, John, assignee: *See—*
Buffo, Peter P.
- Buffo, Peter P., assignor of five per cent to J. Buffo, Pittsburgh, Calif. Asparagus lug. 2,463,146, Mar. 1.
- Buford, William J., Houston, Tex. Crap trap. 2,489,856, Nov. 29.
- Bugatti, Ettore, Paris, France. Movement amplifying means. 2,476,081, July 12.
- Bugatti, Ettore, Paris, France. Lubricating means for bearings and spindles or shafts. 2,482,536, Sept. 20.
- Bugatti, Ettore, Paris, France. Preselecting mechanism for gear boxes. 2,485,034, Oct. 18.
- Bugbee, Charles W.: *See—*
Stephenson, Thomas W., and Bugbee.
- Bugeaud, Georges A. H., Nice, France. Delaying mechanism chiefly applicable to cameras. 2,468,541, Apr. 26.
- Bügel, Roelof D., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Potentiometer or adjustable electric resistance. 2,479,206, Aug. 16.
- Bügel, Roelof D., and C. de Lange, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Combination of two or more than two blocking-layer cells. 2,486,110, Oct. 25.
- Bugg, Kenly C., assignor to Kendrick Manufacturing Company, Inc., Fort Wayne, Ind. Valve. 2,479,554, Aug. 23.
- Bugg, Kenly C., Fort Wayne, Ind. Hammer. 2,492,840, Dec. 27.
- Buhl, Walter T.: *See—*
Cabill, Lysle D., Buhl, and Horowitz.
- Buhl, William F., Livingston, N. J., assignor, by mesne assignments, to Associated Development and Research Corporation, New York, N. Y. Combined magazine receiver and barrel for toy guns. 2,483,752, Oct. 4.

- Buhler, Engen, and C. A. Berry, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Machine adapted for typing Chinese ideographs. 2,458,339, Jan. 4.
- Bühler, Gebrüder, assignee: *See*—
Tanner, Fritz.
- Buhman, Conrad J.: *See*—
Mendel, Leo E., Port, and Buhman.
- Buhoveckey, Michael, Cleveland, Ohio. Paintbrush protector. 2,472,001, May 31.
- Buhrendorf, Frederick G., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Turntable drive. 2,491,247, Dec. 13.
- Builders Iron Foundry, assignee: *See*—
Cary, Francis H.
- Bujan, Ramon, New York, N. Y. Hand driven device. 2,458,248, Jan. 4.
- Bukowski, Joseph F.: *See*—
Wersler, Clarence F., and Bukowski.
- Bukowsky, Harry E., Port Townsend, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Revolving high-velocity jet for hollow-head-type barker having low-pressure water supply. 2,463,084, Mar. 1.
- Bulbulian, Arthur H., Rochester, Minn. High elevation mask. 2,465,973, Mar. 29.
- Bulgarini, Luis, Buenos Aires, Argentina, assignor of 32½% to Sara Maria Iribarren de Olariaga, and 32½% to Percy Forster. Electric switch. 2,458,056, Jan. 4.
- Bulkeley, William L., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigerating system. 2,469,153, May 3.
- Bull, Cabot S., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, England. Apparatus for amplitude modulating high-frequency oscillations. 2,464,115, Mar. 8.
- Bull, Eric W., Hounslow, and M. E. Pemberton, assignors to Electric & Musical Industries Limited, Hayes, England. Circuit arrangement embodying cathode-ray tubes. 2,467,009, Apr. 12.
- Bullard Company, The, assignee: *See*—
Bullard, Edward P., III.
- Bullard, Edward P., III, and Cowell.
- Bullard, Earl J., Altadena, Calif. Lapping machine. 2,480,285, Aug. 30.
- Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Positioning device. 2,473,506, June 21.
- Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Positioning apparatus. 2,473,507, June 21.
- Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Pump and motor transmission with fluid purifier. 2,476,238, July 12.
- Bullard, Edward P., III, Fairfield, and E. N. Cowell, Stratford, Conn., assignors to The Bullard Company. Transmission. 2,466,574, Apr. 5.
- Bulldog Electric Products Company, assignee: *See*—
Frank, William H.
- Platz, Elwood I.
- Robertson, William, and Higgins.
- Bullian, Ned, New York, N. Y. Voice reproducing instrument. 2,489,857, Nov. 29.
- Bulliet, Leander J., Rockford, Ill. Speed responsive device. 2,481,196, Sept. 6.
- Bulliet, Leander J., Rockford, assignor to Odin Corporation, Chicago, Ill. Material working apparatus. 2,492,092, Dec. 20.
- Bullock, Ellis, Birmingham, Ala., assignor to Fly Ash Arrester Corporation. Combustion control. 2,483,689, Oct. 4.
- Bullock, Giles E., Rochester, N. Y. Lubricant filtering system. 2,473,701, June 21.
- Bullock, Martin T., Meridian, Miss. Water meter reducing adapter. 2,461,516, Feb. 15.
- Bullock, Roy B., Oshkosh, assignor to I. M. Jones, trustee, Milwaukee, Wis. Interference reducing radio receiver. 2,468,030, Apr. 26.
- Bullock, Sarah M., assignee: *See*—
Bruen, George C.
- Bullock, Wayne G., assignor to Eagle Paper Box Company, Tacoma, Wash. Handle for boxes. 2,482,399, Sept. 20.
- Bulman, Elvah O., Grand Rapids, Mich. Paper roll holder. 2,473,744, June 21.
- Bulova Watch Company, Inc., assignee: *See*—
Beeh, Louis.
- Bulova Watch Co., Inc., New York, Succursale de Bienne, assignee: *See*—
Sandoz-Perer, Lore.
- Bulpitt & Sons, Limited, assignee: *See*—
Ashton, Frank.
- Bumbaugh, Thomas G., Louisville, Ohio. Chill coil anchor. 2,463,147, Mar. 1.
- Bump, Charles K., Hampden, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Extrusion apparatus. 2,489,951, Nov. 29.
- Bunce, Jerome R.: *See*—
Büttner, William C., Norway and Bunce.
- Bunce, Stanley C.: *See*—
Ximenez, Manuel R., Ferguson, and Bunce.
- Bunch, Benjamin, assignee: *See*—
Bunch, Fred W.
- Bunch, Emily E., administratrix, assignee: *See*—
Bunch, Fred W.
- Bunch, Fred W., Green Bay, Wis., deceased; E. E. Bunch, administratrix, assignor of thirty-three and one-third per cent to E. E. Bunch, Green Bay, thirty-three and one-third per cent to F. W. Bunch, Jr., and thirty-three and one-third per cent to B. Bunch, Eau Claire, Wis. Sanitary drinking glass cleaner. 2,471,721, May 31.
- Bunch, Frederick W., Jr., assignee: *See*—
Bunch, Fred W.
- Bunch, Tillman T., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for applying filamentary strands to elongated articles. 2,488,579, Nov. 22.
- Bunch, Tillman T., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cop-carrying device for braiding machines. 2,489,006, Nov. 22.
- Bund Company, The, assignee: *See*—
Fall, Wilfrid.
- Bunderson, Murriel H., Denver, Colo. Artificial snow. 2,466,369, Apr. 5.
- Bundy, Edwin S., Hamburg, N. Y., assignor to Line Material Company, Milwaukee, Wis. Overload indicator. 2,479,468, Aug. 16.
- Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.
- Bundy, Walt W., Besaing Park, Columbus, Ga. Power outlet receptacle. 2,474,817, July 5.
- Bune, Edwin O., Onoka, Minn. Bowling ball cleaner. 2,469,948, May 10.
- Buneta, Richard P., Dousman, Wis. Filling can with float controlled detaching means. 2,489,746, Nov. 29.
- Bunkovsky, Joseph, New York, N. Y. Presser foot and kerf spreader for power saws. 2,479,998, Aug. 23.
- Bunn, B. H., Company, assignee: *See*—
Bunn, Benjamin H.
- Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine for elongated packages. 2,469,544, May 10.
- Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine for elongated packages. 2,471,304, May 24.
- Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,471,385, May 24.
- Bunnell, Raymond H., and D. B. Hatcher, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of organo-silicon compositions containing rapidly polymerizable olefinic double bonds. 2,469,154, May 3.
- Bunnett, Joseph F.: *See*—
Tarbell, Dean S., Shakespeare, and Bunnett.
- Bunny Bear, Inc., assignee: *See*—
Mover, Hyman.
- Bunte, George F., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Unidirectional flow gear pump. 2,458,678, Jan. 11.
- Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Insecticidal composition comprising a polychloro branched-chain hydrocarbon. 2,490,202, Dec. 6.
- Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Tetrahydrodicyclopentadiene ether compounds and insecticides thereof. 2,492,266, Dec. 27.
- Bunting, Ernest V., assignor to Harry Ferguson, Inc., Dearborn, Mich. Adjustable wheel and axle assembly. 2,458,249, Jan. 4.
- Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Tractor hitch and differential housing. 2,486,257, Oct. 25.
- Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Hitch mechanism. 2,487,096, Nov. 8.
- Bunting Glider Company, assignee: *See*—
Roth, Andrew.
- Bunyan, Paul, Bait Company, The, assignee: *See*—
Gleason, John D.
- Larson, Karl R.
- Buonincontri, Joseph, Irvington, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric current meter. 2,478,742, Aug. 9.
- Buono, Anthony T.: *See*—
Mascoli, Mario V., and Buono.
- Burbage, George H.: *See*—
Toth, Emerick, and Burbage.
- Burbage, George H., Washington, D. C. Tuning drive mechanism for superfrequency receivers. 2,479,555, Aug. 23.
- Burbank, Wendell T., Three Rivers, assignor to Sutherland Paper Company, Kalamazoo, Mich. Method of wrapping and labeling receptacles. 2,469,366, May 10.
- Burbidge, David H., and E. R. Gibbs, Chicago, Ill. Measuring and dispensing can. 2,488,959, Nov. 22.
- Burby, Philip E.: *See*—
Eastman, Fred C., and Burby.
- Burch, Arthur R., Berkeley, Calif. Hand truck. 2,485,085, Oct. 18.
- Burch, Charles J.: *See*—
Brister, Joseph E., and Burch.
- Burch, Ralph, assignee: *See*—
Dulaney, Robert N.
- Burchard, Alonzo H., St. Claire Shores, assignor to Briggs Manufacturing Company, Detroit, Mich. Electric lamp. 2,485,429, Oct. 18.

- Burchell, Fford, assignor to Burchell-Holloway Corporation, New York, N. Y. Apparatus for insertion in color display devices utilizing polarized light for securing changing saturation of specific hues in fixed zones as viewed by observers. 2,473,857, June 21.
- Burchell-Holloway Corporation, assignee: *See*—Burchell, Fford.
- Burchell, Robert E., Syracuse, N. Y., assignor to General Electric Company. Tube testing apparatus. 2,492,733, Dec. 27.
- Burcher, George E., Jr., Newport News, Va. Carriage. 2,471,558, May 31.
- Burchett, Paul J., Glendale, Calif. Tightening device. 2,466,575, Apr. 5.
- Burchett, Paul J., Altadena, Calif. Coupling device. 2,466,576, Apr. 5.
- Burchett, Ray L., East Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,468,810, May 3.
- Burchett, Ray L., Newark, N. J., assignor to Ronson Art Metal Works, Inc. Pyrophoric lighter construction. 2,472,282, June 7.
- Burchett, Ray L., Newark, and F. Meyer, Union, assignors to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,481,195, Sept. 6.
- Burchfield, Paul E., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Distillation of allyl alcohol from hydrolysis products. 2,485,694, Oct. 25.
- Burckhalter, Joseph H.: *See*—Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Quinoline compounds and making same. 2,474,818, July 5.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Acridine compounds and making the same. 2,474,819, July 5.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Quinoline compounds and making same. 2,474,820, July 5.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Quinoline compounds and process of making same. 2,474,821, July 5.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Quinoline compounds and making same. 2,474,822, July 5.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Quinoline compounds and making same. 2,474,823, July 5.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Acridine compounds and making same. 2,474,824, July 5.
- Burckhalter, Joseph H., Detroit, E. M. Jones, and A. L. Rawlins, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and W. F. Holcomb, assignors to Parke, Davis & Company, Detroit, Mich. Quinoline compounds and making same. 2,474,931, July 5.
- Burckle, Arthur A., Burbank, and S. C. Christman, Woodland Hills, Calif., assignors, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Hose and tube fitting. 2,476,480, July 19.
- Burckle, Arthur A., Burbank, Calif., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling for flexible hose. 2,481,001, Sept. 6.
- Burd, Gorman C., assignor to Agat Manufacturing Company, Adrian, Mich. Vacuum cleaning device. 2,475,815, July 12.
- Burden, Morton, Jr., Sewickley, Pa. Grenade fuse. 2,474,217, June 28.
- Burden, Royal L., assignor of one-eighth to R. L. Dix, Springfield, and one-eighth to T. Q. Dix, Dayton, Ohio. Fly reel seat. 2,474,343, June 28.
- Burdette, Frank, Butler, Pa., assignor to Armco Steel Corporation. Annealing coiled light gauge sheet metal. 2,490,412, Dec. 6.
- Burdick Corporation, The, assignee: *See*—Wanzenberg, Frederick W.
- Burdick, Edwin C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,481,820, Sept. 13.
- Burdick, Edwin C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic drive mechanism for charts. 2,491,361, Dec. 13.
- Burdick, Emory F., assignor to F. L. Jacobs Co., Detroit, Mich. Sun visor. 2,462,304, Feb. 22.
- Burdick, John N., and J. W. Glenn, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company. Synthetic star rubies and star sapphires, and producing same. 2,488,507, Nov. 15.
- Burdick, Will S., Wauwatosa, and H. S. Jacobs, assignors to Harnischfeger Corporation, Milwaukee, Wis. Ventilated excavator cab. 2,484,685, Oct. 11.
- Burdick, William H., Chicago, Ill., assignor, by mesne assignments of one-half to V. T. Connor and one-half to T. A. Kruse. Amusement game apparatus having illuminating means simulating dropping of a bomb from an airplane upon a boat. 2,458,892, Jan. 11.
- Burdock, Joseph L., Old Greenwich, and P. F. Best, Riverside, Conn., and C. B. McBride, Port Chester, assignors to The Aerotec Corporation, White Plains, N. Y. Apparatus for separating suspended particles from gases. 2,461,677, Feb. 15.
- Burdwood, Howard A., Portland, Maine. Indicating caliper gauge. 2,481,078, Sept. 6.
- Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrically welding composite metal reel heads. 2,458,340, Jan. 4.
- Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable reel with adjustable drum port. 2,460,972, Feb. 8.
- Bureau, Arthur A., Chicago, and E. M. Denny, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,479,059, Aug. 16.
- Bureau, Arthur L., U. S. Navy. Belt loader. 2,474,218, June 28.
- Bureau, Arthur L., U. S. Navy. Cartridge belting machine. 2,480,834, Sept. 6.
- Burens Products, Inc., assignee: *See*—Root, Lin.
- Buresh, Thomas T.: *See*—Beranek, Wenceslaus G., and Buresh.
- Buret, Raymond: *See*—Guinot, Henri M., and Buret.
- Burford, George E., Oklahoma City, Okla. Foot supporting device for shoes. 2,458,501, Jan. 11.
- Burg, George W., Portland, Oreg. Stock pickup and carrier truck. 2,466,149, Apr. 5.
- Burg, Martin S., Chicago, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Core oils. 2,468,956, May 3.
- Burge, James S., W. M. Rider, and J. F. Salatin, Anderson, and H. J. McKee, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for making connector assemblies. 2,477,859, Aug. 2.
- Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Interoffice connection. 2,483,179, Sept. 27.
- Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Balancing of ring cutoff circuit for long and short lines. 2,486,111, Oct. 25.
- Burger, Lewis E., and J. B. Skinner, assignors to Solar Aircraft Company, San Diego, Calif. Shaping die. 2,492,131, Dec. 27.
- Burger, Ralph J.: *See*—Strang, Minor H., and Burger.
- Burgess Battery Company, assignee: *See*—Blake, Ivan C., Harriss, and Mullen.
- De la Torre, Miguel.
- Leadbetter, Ralph L.
- MacFarland, Allison M.
- Wilke, Milton E.
- Burgess, Charles O.: *See*—Kinzel, Augustus B., and Burgess.
- Burgess, David S., E. A. Ramskill, and R. R. Miller, Washington, D. C. Canister and distributor therefor. 2,469,367, May 10.
- Burgess, Everett H.: *See*—Lehane, Timothy J., and Burgess.
- Burgess, Hovey M.: *See*—Kaufman, Charles W., Burgess, and Hollis.
- Burgess, John W., Jr., Luray, Va. Reservation control device. 2,490,411, Dec. 6.
- Burgess, Laurence E.: *See*—May, Walter M., and Burgess.
- Burgess-Norton Manufacturing Company, assignee: *See*—Waller, Gustav M.
- Burgess, Robert, Jr., Wilton, Conn. Forming yarns. 2,462,842, Mar. 1.
- Burgess, Wilfrid M., Cohoes, N. Y. Disintegrating cartridge belt. 2,459,147, Jan. 18.
- Burgess, William E., New Orleans, La. Air conditioner. 2,469,259, May 3.
- Burgess, William H., Pasadena, assignor, by mesne assignments, to D. A. Marcus, Los Angeles, Calif. Rectifier. 2,491,031, Dec. 13.
- Burgesser, Leslie D., assignor to Leonard M. Wells, Inc., Chicago, Ill. Window box. 2,477,509, July 26.
- Burgett, Lynn S., Bakersfield, Calif., assignor to The Clark Controller Company, Cleveland, Ohio. Brake. 2,473,360, June 14.
- Burgett, Robert, Hamilton, Ohio. Vehicle jack. 2,490,668, Dec. 6.
- Burgoon, Joseph P., Chicago, Ill. Container. 2,476,583, July 19.

- Burgwin, Stephen L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus for induction heating systems. 2,459,616, Jan. 18.
- Burgwin, Stephen L., Forest Hills, and F. T. Bailey, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoelectric control apparatus. 2,480,835, Sept. 6.
- Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricant. 2,468,031, Apr. 26.
- Burk, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene polymer compositions. 2,480,296, Aug. 30.
- Burkard, David, Geneva, assignor to Kobler & Co., Zurich, Switzerland. Knot tying device. 2,460,489, Feb. 1.
- Burkard, Perle N., and R. McNabney, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Preparing a water-soluble beryllium compound. 2,474,392, June 28.
- Burke, Harold J., Poland, Ohio. Aerodynamic air cleaner. 2,465,430, Mar. 29.
- Burke, James D., assignor to J. T. Collins, Los Angeles, Calif. Circuit protector. 2,491,032, Dec. 13.
- Burke, James D., and F. A. Crooks, Hollywood, said Burke assignor to A. M. Maree, Jr., S. L. Post, S. E. Lindahl, and himself, Los Angeles County, Calif., as tenants in common. Apparatus for measuring torques. 2,486,632, Nov. 1.
- Burke, John C., Miltown, N. J., and A. E. Jurist, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Prolonged-action preparations of d-tubocurarine salts, and preparing same. 2,476,082, July 12.
- Burke, John R., Pawtucket, R. I. Dust collecting apparatus. 2,470,601, May 17.
- Burke, T. Finley: *See—*
Argabrite, George A., and Burke.
- Burke, Wilfrid L., Detroit, Mich. Illuminated bobber. 2,490,669, Dec. 6.
- Burke, William E., and W. A. Smith, Carlsbad, N. Mex., and P. D. V. Manning, Glencoe, Ill., assignors to International Minerals & Chemical Corporation. Production of magnesium chloride. 2,479,001, Aug. 16.
- Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Beta-substituted ethyl-mercapto polymers and preparing same. 2,478,038, Aug. 2.
- Burke, Walter A.: *See—*
Van Dusen, Frederick J., and Burke.
- Burkett, Amy, and G. V. Reager, Greene County, Mo. Folding beauty-health board. 2,479,469, Aug. 16.
- Burkett, Clarence A., Hartsville, S. C. Circular saw. 2,465,058, Mar. 22.
- Burkey, Carl E., Seattle, Wash. Car top boat rack. 2,479,035, Aug. 16.
- Burkey, Carl E., Seattle, Wash. Pivoted counterbalanced car top carrier. 2,492,841, Dec. 27.
- Burkhalter, Robert K.: *See—*
Peterson, Carl D., and Burkhalter.
Purifoy, George R., and Burkhalter.
- Burkhardt, Carl H.: *See—*
Carothers, Thomas A., and Burkhardt.
- Burkhardt, Myron J., Ridgewood, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Insecticidal spray oil containing lecitin. 2,465,335, Mar. 29.
- Burkhardt, Myron J., The assignee: *See—*
Russell, Alfred R.
- Burkhardt, Otto M., Euclid, Ohio. Vent device for pressure cookers. 2,463,516, Mar. 8.
- Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Air charger. 2,457,863, Jan. 4.
- Burks, Arthur W., Decatur, Ill. Pump. 2,460,122, Jan. 25.
- Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Relay. 2,491,643, Dec. 20.
- Burks, George E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Resilient mounting for tractor track idlers. 2,468,957, May 3.
- Burks, George E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Vehicle suspension. 2,474,514, Jan. 28.
- Burleigh, Robert P., Jr., Kew Gardens, assignors to Western Electric Company, Incorporated, New York, N. Y. Temperature control system. 2,488,580, Nov. 22.
- Burley, Robert M., Hasbrouck Heights, and C. H. Havill, South Orange, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Gun sighting device and reflecting means therefor. 2,464,195, Mar. 8.
- Burlingame, Ernest D., Eggertsville, and M. G. Nicholson, Jr., Snyder, assignors to Colonial Radio Corporation, Buffalo, N. Y. Counting and timing circuits. 2,483,620, Oct. 4.
- Burlington Mills Corporation, assignee: *See—*
Woods, Herbert J.
- Burn, Philip H., Forest Hills, N. Y. Purchase sheet marking device. 2,457,864, Jan. 4.
- Burn, Philip H., Forest Hills, N. Y. Automatic traffic directing device for garages. 2,482,610, Sept. 20.
- Burndept Limited, assignee: *See—*
Lewis, Richard W., and Rowe.
- Burndy Engineering Company, Inc., assignee: *See—*
Matthysse, Irving F.
- Burnell, Charles H., Northport, assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Rheostat. 2,480,218, Aug. 30.
- Burnett, John E., assignor of one-fourth to K. E. Nash, Drumright, Okla. Tie rod safety attachment. 2,483,621, Oct. 4.
- Burnett, James H., Upper Montclair, assignor to Electrons, Incorporated, Newark, N. J. Grid control circuit for gas tubes. 2,489,858, Nov. 29.
- Burnett, John W., Chicago, Ill., assignor to Reynolds Metals Company, Richmond, Va. Ship for handling bulk freight. 2,481,643, Sept. 13.
- Burnett, Llewellyn W.: *See—*
Johns, Iral B.
- Burnett, Raymond S., New Orleans, La., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of peanut protein free from peanut skin pigment. 2,463,740, Mar. 8.
- Burnett, Raymond S., and J. K. Gunther, Decatur, assignors to Central Soya Company, Inc., Fort Wayne, Ind. Preparation of whipping composition and the resulting product. 2,489,173, Nov. 22.
- Burney, Donald E.: *See—*
Adams, Chester E., and Burney.
- Burnham, Clarence W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Injection molding device with self-blinding separator. 2,482,243, Sept. 20.
- Burnham Corporation, assignee: *See—*
Edison, William B.
King, Thomas E.
Matthysse, Irving F.
Rogoff, Julian.
Wilson, Walter.
- Burnham, Lee H., North Platte, Nebr. Buffer assembly. 2,480,217, Aug. 30.
- Burney, Charles D., Baynards Park, near Cranleigh, England. Reduced recoil type gun. 2,489,747, Nov. 29.
- Burney, Charles D., Baynards Park, near Cranleigh, England. Controlled pressure gun. 2,489,748, Nov. 29.
- Burney, Charles D., Baynards Park, near Cranleigh, England. Gun and gun carriage. 2,489,749, Nov. 29.
- Burney, Charles D., Baynards Park, near Cranleigh, England. Projectile operating with rocket propulsion. 2,489,953, Nov. 29.
- Burney, Charles D., Baynards Park, near Cranleigh, England. Recoilless gun with breech closing mechanism. 2,489,954, Nov. 29.
- Burnitol Manufacturing Co., assignee: *See—*
Cranshaw, Harold B.
- Burns, Alan E., North Hills, Pa. Power lawn mower. 2,490,896, Dec. 13.
- Burns, Alfred G., Farmland, Ind. Automatic electric animal trap. 2,472,806, June 14.
- Burns, Bruce, Los Angeles, Calif. Clothespin. 2,471,606, May 31.
- Burns, Charles R. D.: *See—*
Sivley, Albert R.
- Burns, Clarence D., Houston, Tex. Slag remover. 2,463,595, Mar. 8.
- Burns, Cloyd E., Stamford, Conn. Card record system. 2,483,035, Sept. 27.
- Burns, Edward C., Jr., and M. W. Myers, assignors to Beech Aircraft Corporation, Wichita, Kans. Support for surface plumbing. 2,489,119, Nov. 22.
- Burns, Edward J., Jr., Staten Island, N. Y. Split demountable rim. 2,488,762, Nov. 22.
- Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind slot tilting mechanism. 2,484,804, Oct. 18.
- Burns, Francis A., Townsend, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe and bottom member. 2,468,863, May 3.
- Burns, Frank B., Chicago, Ill., M. S. Larrison, Frankford, Pa., and M. C. Higgs, North Riverside, assignors to United States Gypsum Company, Chicago, Ill. Fire resistant asphalt roofing. 2,458,143, Jan. 4.
- Burns, Frank D., Long Beach, assignor to The Hays Corporation, Michigan City, Ind. Stoker and air control, including differential pressure measuring means. 2,490,855, Dec. 13.
- Burns, Frank D., Muskegon, Mich. Boat cover. 2,474,031, June 21.
- Burns, Malachy T., Chicago, Ill. Indicating device. 2,463,018, Mar. 1.
- Burns, Mel M., assignee: *See—*
Nelson, Melvin E.
- Burns, Murray E., and G. M. Bonnell, Boise, Idaho. Side grading attachment for tractors and the like. 2,491,797, Dec. 20.
- Burns, Patrick J., assignee: *See—*
Girard, Louis B.
- Burns, Paul P., Philadelphia, Pa. Tumble barrel. 2,465,632, Mar. 29.
- Burns, Richard C.: *See—*
Anderson, Arthur L., and Burns.
- Burnside, Harvey E. W., Elizabeth, N. J., assignor to Standard Oil Development Company. Heat exchange in fluidized hydrocarbon conversion systems. 2,477,042, July 26.
- Burr, Gus H., River Grove, assignor, by mesne assignments, to H. M. Wolfe, Chicago, Ill. Collapsible table leg hinge and latch structure. 2,466,205, Apr. 5.
- Burrell, Benjamin S., East Chicago, Ind. Colling machine for strip material. 2,470,235, May 17.

- Burrell, Ellis, Cook County, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Wiring pencil. 2,474,463, June 28.
- Burrell, Ellis, Cook County, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Staking tool. 2,485,954, Oct. 25.
- Burrell, George G., assignor to Sealtight Corporation, Cedar Rapids, Iowa. Moisture shield for spark plugs. 2,480,545, Aug. 30.
- Burris, Fred A., assignee: *See*—
Bartlett, Malcolm B.
- Burritt, Burnell O., assignor to R. N. Davis, C. Schwartz, J. Johansen, and P. Halling, copartners, doing business as Craftsman Tool and Die Company, Detroit, Mich. Compound fluid ram. 2,490,778, Dec. 13.
- Burrough, Joe, San Francisco, Calif. Internal-combustion engine. 2,473,936, June 21.
- Burroughs Adding Machine Company, assignee: *See*—
Racz, Ernest.
- Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,465,350, Mar. 29.
- Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Directional radio receiver. 2,477,577, Aug. 2.
- Burroughs, Gordon S., Forest Hills, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Radio direction finder. 2,483,399, Oct. 4.
- Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic reversing switch. 2,485,560, Oct. 25.
- Burroughs, Gordon, Forest Hills, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Cathode-ray tube. 2,485,561, Oct. 25.
- Burroughs, Kenneth C., Scarsdale, assignor to American Cystoscope Makers, Inc., New York, N. Y. Optical viewing instrument, including a collimating sight for use in harmonizing guns and sights. 2,464,485, Mar. 15.
- Burroughs, Samuel G.: *See*—
Corkery, Frank W., and Burroughs.
- Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Coumarone-indene resin stabilized with an alkyl polyhydroxy spiro indane. 2,462,608, Feb. 22.
- Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Indene resin stabilized with an alkyl polyhydroxy spiro indane. 2,462,609, Feb. 22.
- Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Baltzly, Richard, and Lorz, Slomon, William.
- Burrows, James M., Washington, Ind. Live bait caster. 2,475,736, July 12.
- Burrows, Allen, Providence, R. I. Device for fastening gaskets to crankcases. 2,491,085, Dec. 13.
- Burrows, Charles R., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Support for conductors of signal transmission lines. 2,467,292, Apr. 12.
- Burrows, Henry: *See*—
Alexander, Peter, Burrows, and Smith.
- Burrows, Lawton A., Mendenhall, Pa., and R. M. Girdler, Wenonah, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive assembly. 2,475,875, July 12.
- Burrows, Robert J., and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Resilient wheel. 2,470,885, May 24.
- Burrows, Robert J., and A. O. Williams, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich. Axle lubricating construction. 2,492,267, Dec. 27.
- Burrum, Charles W., Augusta, Ga. Brake and tension for warp beamers. 2,460,569, Feb. 1.
- Burru, Paul B., Dayton, Ohio, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation. Condenser bracket. 2,469,451, May 10.
- Burru, Robert E., assignor to Clark Equipment Company, Buchanan, Mich. Step-up gearing. 2,472,788, June 14.
- Burru, Robert E., assignor to Clark Equipment Company, Buchanan, Mich. Vehicle clutch control mechanism. 2,472,789, June 14.
- Bursett, Clem, Seattle, Wash. Distribution of manifest sheets. 2,470,758, May 24.
- Burski, Anthony H., Chicago, Ill. Fender welt clip. 2,483,622, Oct. 4.
- Burski, Anthony H., Chicago, Ill. Motor vehicle locking device. 2,487,919, Nov. 15.
- Burson Knitting Company, assignee: *See*—
Hinchliff, Ralph.
- Burst, Francis J.: *See*—
Hillenbrand, William A., and Burst.
- Burt, Clarence E., Pasadena, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well cementing apparatus. 2,482,651, Sept. 20.
- Burt, George H., Flossmoor, assignor to The Celotex Corporation, Chicago, Ill. Sawing apparatus. 2,467,728, Apr. 19.
- Burt, Guy H., Edgewood, assignor to H. M. and G. H. Burt, doing business as The Lloyd Products Company, Providence, R. I. Lamp holder. 2,468,481, Apr. 26.
- Burt, Harold F., Wilmette, and A. Theis, Aurora, Ill., assignors to Silver-King Corp. Toy coin projecting pistol. 2,488,960, Nov. 22.
- Burt, Harry M., assignee: *See*—
Burt, Guy H.
- Burt, James P., assignor to Glenwood Range Company, Taunton, Mass. Attachment for drawers in ovens of stoves or ranges. 2,473,467, June 14.
- Burt Machine Company, The, assignee: *See*—
Neer, Clifford H.
- Burt Manufacturing Company, The, assignee: *See*—
Manville, Charles J.
- Burt, Ralph, assignor to Syntrol Company, Homer City, Pa. Fluid operated vibrator. 2,472,568, June 7.
- Burt, Robert C., Pasadena, Calif. Airport runway. 2,466,150, Apr. 5.
- Burt, Samuel L., Plainfield, N. J., assignor to Bakelite Corporation. Stabilized vinyl chloride resins. 2,489,518, Nov. 29.
- Burt, William C.: *See*—
Johnson, Carl O., and Burt.
- Burtis, Winfield R., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Self-service refrigerated display case. 2,490,413, Dec. 6.
- Burtle, William R., Upper Darby, Pa. Power transmission belt. 2,458,057, Jan. 4.
- Burtner, Robert R., Skokie, and J. M. Brown, Chicago, assignors to G. D. Searle & Co., Skokie, Ill. Heterocyclic polynuclear keto aliphatic acids and the production thereof. 2,480,220, Aug. 30.
- Burton, Clifford C.: *See*—
Watson, Claude W., Burton, and Scoville.
- Burton, Ernest V.: *See*—
Hollingsworth, George H., Burton, and Traficante.
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact protection for mercury wetted switch contacts. 2,459,306, Jan. 18.
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic circuit maker and breaker. 2,483,723, Oct. 4.
- Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor speed control apparatus. 2,488,373, Nov. 15.
- Burton, James A., Allendale, N. J., assignor to Graphol Products Co., Inc., Brooklyn, N. Y. Lubricating compositions. 2,466,927, Apr. 12.
- Burton, Shirley, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Pattern grading machine. 2,490,203, Dec. 6.
- Burt, Horatio H., Hartsdale, N. Y. Electrical connector. 2,466,370, Apr. 5.
- Burum, Fisher C., assignor of one-third to G. B. Lindler, Houston, Tex. Parking meter resetting mechanism. 2,462,610, Feb. 22.
- Burwell, Albert L., assignor to University of Oklahoma Research Institute, Norman, Okla. Making cellular products from volcanic ash. 2,466,001, Apr. 5.
- Burwell, Blair, Grand Junction, Colo., and J. H. Brennan, Niagara Falls, N. Y., assignors to United States Vanadium Corporation. Recovering tungsten values from ore. 2,459,868, Jan. 25.
- Burwen, Charles B., assignee: *See*—
Burwen, Solomon.
- Burwen, Frank W., assignee: *See*—
Burwen, Solomon.
- Burwen, Solomon, Swampscott, assignor of one-third to F. W. Burwen, Marblehead, and one-third to C. B. Burwen, Lynn, Mass. Steel wool pad holder. 2,472,403, June 7.
- Busacker, John W., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugal switch. 2,458,465, Jan. 4.
- Busacker, John W., Houston, Tex., and T. M. Perry, Bennington, Vt., assignors to the United States of America as represented by the Secretary of the Navy. Switch. 2,458,464, Jan. 4.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Combined brake beam and brake head. 2,490,204, Dec. 6.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake beam. 2,490,205, Dec. 6.
- Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake beam. 2,491,086, Dec. 13.
- Busch, Fred, assignor to Milsteel Products Co., Milwaukee, Wis. Control dial mounting for electric irons. 2,485,955, Oct. 25.
- Busch, Fred, Wauwatosa, and A. Wild, assignors to American Thermo Appliance Co., Milwaukee, Wis. Electric iron. 2,462,942, Mar. 1.
- Busch, Max J.: *See*—
Woytal, Daniel, Busch, and Woytal.
- Busch Precision Camera Corporation, assignee: *See*—
Little, Alfred E.
- Busch, Tom N.: *See*—
Evans, John L., and Busch.
- Buschhorn, Forrest L., assignee: *See*—
Binz, Gustave H.
- Buser, Joseph S., Marland Heights, W. Va., assignor to National Steel Corporation. Testing plating solutions. 2,464,846, Mar. 22.

- Bush, A. G., assignee: *See*—
Criner, Harry J.
- Bush, Burton T. Inc., assignee: *See*—
Cade, Arthur R., and Gump.
- Bush, Ean L., San Francisco, Calif. Rat guard. 2,459,060, Jan. 11.
- Bush, Elijah B., assignee: *See*—
Brown, Thomas J.
- Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Telegraph code converter. 2,458,144, Jan. 4.
- Bush, Howard F., Florham Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polarized armature synchroscope. 2,467,729, Apr. 19.
- Bush Manufacturing Company, The, assignee: *See*—
La Pointe, Raymond E.
Peterson, Hans F.
- Bush, Ralph R., Upper Darby, Pa., assignor to General Electric Company. Apparatus for protecting electric power systems. 2,464,553, Mar. 15.
- Bush, Ralph R., Upper Darby, Pa., and H. Clark, Camden, N. J., assignors to General Electric Company. Operating mechanism. 2,476,024, July 12.
- Bush, Rarkin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control apparatus. 2,482,244, Sept. 20.
- Bush, Ruth V.: *See*—
Himmel, Loran B., and Bush.
- Bush, Vannevar, East Jaffrey, N. H. Thermal apparatus for compressing gases. 2,461,032, Feb. 8.
- Bush, William M.: *See*—
Stephenson, Richard G., and Bush.
- Bushby, David, assignor to The Vacuum Air Pressure Company Limited, Regina, Saskatchewan, Canada. Piston and expansion means therefor. 2,464,554, Mar. 15.
- Bushcott, Rudolph A., Chicago, Ill., and W. J. Fry, Washington, D. C. Crystal polarity marker. 2,466,002, Apr. 5.
- Bushko, George, Eynon, Pa. Clothes tree. 2,469,494, May 10.
- Bushway, Fred M.: *See*—
Porter, Elbert H., and Bushway.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicating cathode-ray tube. 2,459,790, Jan. 25.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Air navigation system. 2,463,474, Mar. 1.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,463,475, Mar. 1.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio navigation system. 2,463,476, Mar. 1.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Direction and distance indicating system. 2,468,032, Apr. 26.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation. Radio obstacle detection apparatus. 2,471,408, May 31.
- Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicating tube system. 2,471,409, May 31.
- Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Pulse generating system. 2,474,219, June 28.
- Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Scanning device for cathode-ray oscillographs. 2,480,837, Sept. 6.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,489,263, Nov. 29.
- Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Dipole antenna direction finder. 2,492,354, Dec. 27.
- Busignies, Henri G., Forest Hills, and L. A. De Rosa, Staten Island, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Projectile timing. 2,465,351, Mar. 29.
- Businger, Albert: *See*—
Isler, Otto, and Businger.
- Buske, Gilbert E., Anson Township, Chippewa County, assignor to National Pressure Cooker Company, Eau Claire, Wis. Vibration dampening mounting for outboard motor handles. 2,478,858, Aug. 9.
- Buske, Gilbert E., Anson Township, Chippewa County, assignor to National Pressure Cooker Company, Eau Claire, Wis. Outboard motor unit construction. 2,489,478, Nov. 29.
- Buskirk, Elmore E., Adrian, Mich. Cleaner for power-driven rotary hand tools, especially dental burrs. 2,478,522, Aug. 9.
- Busquet, Jan C., assignor to Machinefabriek Gebr. Stork & Co. N. V., Hengelo, Netherlands. Coupling cooling. 2,474,615, June 28.
- Buss, Benjamin A., East Moline, assignor to American Machine & Metals, Inc., Moline, Ill. Reversing and stop control for electric motors. 2,479,153, Aug. 16.
- Buss, William J., Norristown, Pa. Air purifying device. 2,460,335, Feb. 1.
- Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Crystal harmonic oscillator. 2,486,355, Oct. 25.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam mounting. 2,460,780, Feb. 1.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake gear support. 2,480,219, Aug. 30.
- Busse, William M., Massillon, Ohio, assignor to The Griscom Russell Company, New York, N. Y. Finning engine cylinders. 2,472,245, June 7.
- Bussell, Sydney W.: *See*—
Thorpe, James W., Bussell, and Herbert.
- Bussey, William H., assignor to M-K Enterprises, Inc., Chicago, Ill. Variable phase shifter. 2,469,155, May 3.
- Bussey, William H., Chicago, assignor to R. L. Kahn, Glencoe, Ill., as trustee. Electrical apparatus. 2,470,975, May 24.
- Bustamante, Cesar, New York, N. Y. Machine for making and applying ornamental devices. 2,482,537, Sept. 20.
- Butacet Limited, assignee: *See*—
Sulzbacher, Max.
- Butcher, Charles E., assignor to Transparent Boxes, Inc., Rochester, N. Y. Folding box. 2,490,779, Dec. 13.
- Butcher, Lynn W., Chinook, Mont. Sleeve stretcher. 2,488,617, Nov. 22.
- Butcock, Richard A., and E. T. White, Jackson Heights, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Water resisting grease. 2,491,441, Dec. 13.
- Butler, Adolf G., Hawthorne, assignor to American Pipe & Construction Company, Los Angeles, Calif. Method and apparatus for welding structural cages. 2,473,858, June 21.
- Butler, Adolf G., Hawthorne, assignor to American Pipe and Construction Co., Los Angeles, Calif. Method and apparatus for welding structural cages. 2,473,859, June 21.
- Butler, Adolf G., Hawthorne, Calif., assignor to American Pipe and Construction Co. Concrete pipe lining mechanism. 2,491,890, Dec. 20.
- Butler, Benjamin J., West Roxbury, assignor to Raytheon Manufacturing Company, Newton, Mass. Slotted cathode structure. 2,468,736, May 3.
- Butler, Donald L., Saint John's, Newfoundland. Negative carrier with density comparison scale. 2,460,060, Jan. 25.
- Butler, Edgar M., New Orleans, La. Self-energizing electrolytic water correction device. 2,469,545, May 10.
- Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 2,469,680, May 10.
- Butler, Edgar M., assignee: *See*—
Bialosky, Jerome M.
- Butler, Ernest L., Lynn, and C. F. Fitzgerald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,490,897, Dec. 13.
- Butler, George B., assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Preparing polycyclopentadiene in the presence of a haloalkene. 2,463,596, Mar. 8.
- Butler, George L., and J. C. Byrne, South Bend, Ind. Windbreak. 2,465,147, Mar. 22.
- Butler, Gray L.: *See*—
Spender, Donald L., and Butler.
- Butler, Henry E., Scotia, N. Y. Spoon holder. 2,483,724, Oct. 4.
- Butler, Jesse L., Cleveland, Ohio. Scooter lawn shears. 2,488,374, Nov. 15.
- Butler, John M.: *See*—
Seymour, Raymond B., and Butler.
- Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Producing phenanthridone. 2,478,805, Aug. 9.
- Butler, John W., Bridgeport, Conn. Self-locking nut. 2,487,219, Nov. 8.
- Butler, Keith H.: *See*—
Cassanos, James G., and Butler.
- Butler, Keith H., Marblehead, assignor to Sylvania Electric Products, Inc., Salem, Mass. Barium strontium lead silicate phosphor. 2,486,112, Oct. 25.
- Butler, Leon N.: *See*—
Sturgeon, Edward G., von Valtier, Wiedenbeck, and Butler.
- Butler Manufacturing Company, assignee: *See*—
Bradley, Leon H., and Jennings.
Cooperider, Noel L., and Damme.
Gabler, Raymond J.
- Butler, Matthew B., assignee: *See*—
Graves, Michael, and Lankovski.
Lankovski, Anatoly, and Graves.
- Butler, Pierce Radiator Corporation, assignee: *See*—
Lyke, Henry W.
- Butler, Sarah C., Lakewood, Ohio. Removable cover for innersoles for shoes. 2,478,039, Aug. 2.
- Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,465,789, Mar. 29.
- Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Circuit breaker. 2,475,308, July 5.
- Butsch, Paul V.: *See*—
Van Buskirk, Edward C., and Butsch.
- Butt, Earl A., Jr., Chicago, Ill. Filter. 2,477,404, July 26.
- Butterbaugh, Darrel J.: *See*—
Bortnick, Newman M., and Butterbaugh.

- Butterfield, Harry: *See*—
Kershaw, Henry, Pityo, and Butterfield.
- Butterfield, Harry E., Jr.: *See*—
Pityo, Albert F.
- Butterworth, Archibald J., Camberley, England. Differential gear for motor vehicles or the like. 2,489,859, Nov. 29.
- Butterworth, Willard R., Jr., Memphis, Tenn. Clamp actuating mechanism for stove jointers. 2,475,475, July 5.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Carton. 2,472,516, June 7.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Display carton with support. 2,473,635, June 21.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible tray or carton. 2,488,703, Nov. 22.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible tray or carton. 2,488,704, Nov. 22.
- Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 2,489,616, Nov. 29.
- Buttery, Kenneth T., and R. C. Stenger, assignors to Sutherland Paper Company, Kalamazoo, Mich. Collapsible tray or box and box member. 2,488,705, Nov. 22.
- Buttery, Kenneth T., and R. C. Stenger, assignors to Sutherland Paper Company, Kalamazoo, Mich. Collapsible tray or box. 2,488,706, Nov. 22.
- Buttler, Allen J., Los Angeles, Calif. Airplane construction. 2,469,591, May 10.
- Buttner, Rudolf, Clifton, N. J. Hassock. 2,487,634, Nov. 8.
- Buttner, William C., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Gas dispensing device. 2,463,477, Mar. 1.
- Buttner, William C., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Gas dispensing system. 2,475,816, July 12.
- Buttner, William C., Winnetka, H. L. Norway, Evanson, and J. R. Bunce, assignors to The Bastian-Blessing Company, Chicago, Ill. Gas dispensing device. 2,475,817, July 12.
- Buttner, William C., Winnetka, and H. E. Allshouse, assignors to The Bastian-Blessing Company, Chicago, Ill. Carbonated water dispenser. 2,484,779, Oct. 11.
- Button, Harold O.: *See*—
Long, William C., and Button.
- Buttress, George A., Los Angeles, Calif. Apparatus for forming plaster-keying depression in plasterboard. 2,479,207, Aug. 16.
- Butts, Richard R., Miamisburg, Ohio. Vibratory polisher. 2,462,068, Feb. 22.
- Butturini, Luigi, Milan, and G. Bernini, Melegnano, assignor to Carlo Erba S. A., Milan, Italy. Preparation of histidine and leucine. 2,485,859, Oct. 25.
- Butwin Sportswear Co., assignee: *See*—
Cassens, Bruno F.
- Buurman, Aart, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of quaternary nitrogen compounds. 2,485,256, Oct. 18.
- Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.
Corey, Donald W.
- Buxton, James E., F. T. Christian, and R. E. Demure, Elmira, N. Y., assignors to Bendix Aviation Corporation. Engine starter gearing. 2,469,792, May 10.
- Buxton, Loran O., Maplewood, N. J., assignor to Nopco Chemical Company. Preparation of vitamin-fortified meals. 2,458,679, Jan. 11.
- Buxton, Loran O., assignor to Nopco Chemical Company, Maplewood, N. J. Treatment of oil-bearing vegetable meals. 2,458,680, Jan. 11.
- Buxton, Loran O., Maplewood, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilization of fatty materials. 2,461,807, Feb. 15.
- Buxton, Loran O., Maplewood, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Production of antioxidants for fatty materials. 2,461,808, Feb. 15.
- Buzzell, Dow A., Arlington, Va., and G. Blackstone, Fort Peck, Mont. Producing fused ceramic riprap. 2,481,497, Sept. 13.
- Buzzell, Francis A., Chicago, Ill. Insulating bushing. 2,470,886, May 24.
- Buzzo, Thomas M.: *See*—
Calhoun, John R., and Buzzo.
- Byberg, Jonas J., Silverton, Oreg. Sacking device. 2,463,085, Mar. 1.
- Bychinsky, Wilfred A., and W. L. Church, Flint, assignors to General Motors Corporation, Detroit, Mich. Spark plug. 2,478,087, Aug. 2.
- Bye, Clarence M., Osseo, Wis. Shoe or boot display device. 2,462,611, Feb. 22.
- Bye, Mortimer: *See*—
Lloyd, John T., and Bye.
- Byer, Henry E., Bernardsville, N. J. Condenser. 2,462,355, Feb. 22.
- Byer, John W., Cumberland, Md., assignor to Celanese Corporation of America. Locking device. 2,469,592, May 10.
- Byerly, David R., Wyoming, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Detergent composition. 2,486,921, Nov. 1.
- Byerly, Robert W., New York, N. Y. Time-interval indicator. 2,473,487, June 14.
- Byers, A. M., Company, assignee: *See*—
White, Frederick W., and Story.
- Byers, Floyd L., and A. W. Reagan, Langley Field, Va. Automatic radio compass control for Link trainers. 2,468,033, Apr. 26.
- Byers, Frank T., Mount Pleasant, Pa. Apparatus for feeding hay to cattle. 2,489,007, Nov. 22.
- Byers, George W., Glen Mills, Pa., assignor to American Viscose Corporation, Wilmington, Del. Slubbing device. 2,472,283, June 7.
- Byers, William B., Kansas City, Mo.; W. B. McDowell administratrix of said W. B. Byers, deceased. Machine for making insulating blankets. 2,484,686, Oct. 11.
- Byler, Raymond E., Stanford University, and R. C. Dunn, San Carlos, assignors to The Merrill Company, San Francisco, Calif. Recovery of precious metal values. 2,478,652, Aug. 9.
- Byler, William H., Morris Plains, N. J., assignor to United States Radium Corporation, New York, N. Y. X-ray screen. 2,487,097, Nov. 8.
- Bylund, Eric: *See*—
Janecky, Charles, Fillweber, and Bylund.
- Byram, Walter L., Glendale, Calif. Electric control device for signal lights on automotive vehicles. 2,489,617, Nov. 29.
- Byrd, Conrad D., Santa Monica, Calif. Clutch chuck. 2,466,372, Apr. 5.
- Byrd, Noel M., Charleston, Ill. Suspending device. 2,462,719, Feb. 22.
- Byrd, Robert J., Chicago, Ill. Closure actuator for containers. 2,477,719, Aug. 2.
- Byrd, William, Jr., Princeton, N. J. Apparatus for electrostatic concentration and separation. 2,466,371, Apr. 5.
- Byrd, William, Jr., Princeton, N. J., assignor to Richmond Manufacturing Company, Lockport, N. Y. Drum-type magnetic separator. 2,489,264, Nov. 29.
- Byrkit, Gordon D.: *See*—
Lincoln, Bert H., and Byrkit.
- Byrne, James C.: *See*—
Butler, George L., and Byrne.
- Byrne, John E., Dallas, Tex., and W. S. Housel, Ann Arbor, Mich. Marine structure. 2,481,821, Sept. 13.
- Byrne, John F., Columbus, Ohio, assignor to General Electric Company. Parallel plate capacitor. 2,473,240, June 14.
- Byrne, John F., Wellesley Hills, Mass., assignor to The United States of America as represented by the Secretary of War. Modulation indicator. 2,458,830, Jan. 11.
- Byrne, John F., Wellesley Hills, Mass., and F. J. Kamphoefner, San Francisco, Calif., assignors to the United States of America as represented by the Secretary of War. Panoramic receiver with quarter-wave line discriminator sweep circuit. 2,479,208, Aug. 16.
- Byrne, Joseph R., assignee: *See*—
Dawson, Robert C.
- Byrns, Alva C., Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Removing a fluorine compound from a liquid hydrocarbon. 2,474,032, June 21.
- Byrns, Alva C., Oakland, assignor to Union Oil Company of California, Los Angeles, Calif. Desulfurization and reforming process. 2,463,741, Mar. 8.
- Byrns, Alva C., Oakland, assignor to Union Oil Company of California, Los Angeles, Calif. Ketones. 2,463,742, Mar. 8.
- Byrns, Alva C., Los Altos, Calif., and G. von Stroh, Coatesville, Pa., assignors to The Permanente Metals Corporation, Oakland, Calif. Vulcanization of butadiene-styrene rubbery copolymer. 2,459,916, Jan. 25.
- Byrns, Alva C., Los Altos, and J. L. Porter, Palo Alto, assignors to The Permanente Metals Corporation, Oakland, Calif. Preparing magnesium oxide and hydroxide. 2,491,033, Dec. 13.
- Byron Jackson Co., assignee: *See*—
Gaylord, James M.
Lundeen, Chester A.
Mathews, Harry A.
- Bywater, William G., and W. R. Coleman, Grosse Pointe, assignors to Parke, Davis & Company, Detroit, Mich. 5,5-di-(α -thienyl) hydantoin and obtaining same. 2,468,168, Apr. 26.
- C. A. Constant Card, assignee: *See*—
Castell, Augustin M.
- C. A. V. Limited, assignee: *See*—
Nicholls, Wilfrid E. W.
- CCA Products Engineering Company, assignee: *See*—
Walters, Wyeth C.
- C & D Batteries, Inc., assignee: *See*—
Rittenhouse, John, and Peters.
- C. D. Patents Limited, assignee: *See*—
Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.
- Greaves, Charles D., and Walker.
- C. I. T. Corporation, assignee: *See*—
Jenkins, Wayne E., and Thiele.
- C. J. W. Corporation, assignee: *See*—
Elsmer, Edwin C.

- C. & M. Envelope Company, assignee: *See*—
Terry, Thomas A.
- C. & M. Manufacturing Company, assignee: *See*—
Thompson, William J.
- C-O-Two Fire Equipment Co., assignee: *See*—
Cahusac, Clarence N.
Cahusac, Clarence N., and Allen.
Cahusac, Clarence N., and Diehl.
Siebens, Norman H.
- C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.
- C. & S. Products, Inc., assignee: *See*—
Ullman, Clarence O.
- Cabal, Albert V., and H. G. Oliver, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Stabilization of pyrrole with a biguanide. 2,463,478, Mar. 1.
- Cabes, Lucien A. B.: *See*—
Deakin, Gerald, Hatton, and Cabes.
De Vriendt, Charles, and Cabes.
- Cabes, Lucien, A. B., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Pulse receiving circuit. 2,474,220, June 28.
- Cable, Richard G., Oakdale, Blackwood, England. Pit prop and the like. 2,474,464, June 28.
- Cable & Wireless Limited, assignee: *See*—
Higgett, Harry V.
- Cabot, Godfrey L., Inc., assignee: *See*—
Loving, William.
Rossman, Raymond P.
- Caccia, Pio, assignor of one-fourth to M. Di Girolamo, Cincinnati, Ohio. Synthetic resin and making it. 2,491,851, Dec. 20.
- Cacciarelli, Joseph D., assignee: *See*—
Decepoli, Carmine.
- Cade, Arthur R., Rutherford, and W. S. Gump, Upper Montclair, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. Aliphatic esters of 2,4,5-trichlorophenol. 2,457,805, Jan. 4.
- Cade, Philip J., Sharon, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic timing device. 2,460,277, Feb. 1.
- Cadella, Anthony, Fairfield, Conn. Food chopper. 2,476,695, July 19.
- Cadman, Ira F., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote-control system. 2,460,336, Feb. 1.
- Cadot, Henry M., Greenville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of methylol aliphatic diureas and methylol aminotriazines. 2,485,187, Oct. 18.
- Cadous, Esther, New York, N. Y. Garment. 2,475,175, July 5.
- Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Door construction receiving slidable window. 2,471,810, May 31.
- Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Door construction. 2,471,811, May 31.
- Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for regulating windows. 2,478,523, Aug. 9.
- Cadwallader, Robert J.: *See*—
Vermillion, Raymond K., and Cadwallader.
- Cadwell, Charles A., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Welding materials and processes. 2,464,210, Mar. 15.
- Cadwell, Wallace H., New Carlisle, Ohio. Handle operated latch for receptacles. 2,472,404, June 7.
- Cady, Charles E., Devon, Conn., assignor to General Electric Company. Adjustment means for optical components of projection television receivers. 2,467,185, Apr. 12.
- Cady, Willoughby M., Cambridge, Mass., assignor, by mesne assignments, to The United States of America as represented by the Secretary of War. Optical gun sight with horizontal and vertical deflection adjustments. 2,458,831, Jan. 11.
- Caesar, George V., Staten Island, assignor to Stein, Hall & Company, Inc., New York, N. Y. Acid treated starch and flour product. 2,492,552, Dec. 27.
- Caesar, George V., assignor to Stein, Hall & Company, Inc., New York, N. Y. Treatment of starch containing flours with concentrated acetic acid in an inert nonaqueous diluent. 2,492,553, Dec. 27.
- Caesar, George V., Staten Island, N. Y., J. V. Bauer, Elmwood Park, and D. M. Hawley, Geneva, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc. Waterproof adhesive and bonding process. 2,463,148, Mar. 1.
- Caesar, Julius, Humboldt, Tenn. Manually manipulable ball game board. 2,492,462, Dec. 27.
- Caesar, Philip D.: *See*—
Hansford, Rowland C., and Caesar.
- Caesar, Philip D., Wenonah, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Interpolymerization of thiophene and butadiene. 2,469,326, May 3.
- Caesar, Philip D., and P. G. Waldo, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylating thiophene with sulfuric acid catalyst. 2,482,084, Sept. 20.
- Caesar, Philip D., Wenonah, and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkyl thiophenes. 2,484,268, Oct. 11.
- Cafarella, Orrin G., and J. E. Votour, Medford, Mass. Antenna belt and radio receiver. 2,470,687, May 17.
- Cage, James, Valley Stream, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Carton closure. 2,481,288, Sept. 6.
- Cage, John M., Wellesley, assignor to Raytheon Manufacturing Company, Newton, Mass. Tire vulcanizing. 2,480,631, Aug. 30.
- Cagle, Toby T., Idaho Falls, Idaho. Wheel brake assembly with adjustable releasing means. 2,485,086, Oct. 18.
- Cahen, Francois M., A. Chevallier, and P. M. E. Henriot, assignors to Union D'Electricite, Paris, France. Apparatus for detecting breaks of synchronism between electric machines. 2,484,374, Oct. 11.
- Cahen, Paul, and G. A. M. Lutz, Rio de Janeiro, Brazil. Resistance welding apparatus. 2,466,761, Apr. 12.
- Cahenzli, Martin T., Jr., assignor to The Harry Alter Company, Chicago, Ill. Combination accumulator, metering tube, and heat exchanger for refrigeration systems. 2,467,078, Apr. 12.
- Cahill, Arthur T., Weehawken, N. J. Generating music electrically. 2,463,597, Mar. 8.
- Cahill, Henry J.: *See*—
Cryor, Robert E., and Cahill.
- Cahill, Lysle D., South Euclid, and W. T. Buhl and A. S. Horwitz, Shaker Heights, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Instrument caging mechanism. 2,459,496, Jan. 18.
- Cahill, Lysle D., South Euclid, and R. M. Denham, Parma, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Fluid seal. 2,466,302, Apr. 5.
- Cahill, Overton J., assignor to A. E. Braun, Wooster, Ohio. Coating compound. 2,476,178, July 12.
- Cahill, William J., Merion, Pa., assignor to Carrier Corporation, Syracuse, N. Y. Peening machine. 2,460,123, Jan. 25.
- Cahn, Frank J., assignor to The Emulsol Corporation, Chicago, Ill. Testing of solutions. 2,471,861, May 31.
- Cahnners, Norman L., assignee: *See*—
Moffat, Alexander W.
- Cahusac, Clarence N., assignor to C-O-Two Fire Equipment Co., Newark, N. J. Breakable plate switch controlling mechanism. 2,471,410, May 31.
- Cahusac, Clarence N., assignor to C-O-Two Fire Equipment Co., Newark, N. J. Smoke detector and signal for ducts. 2,474,221, June 28.
- Cahusac, Clarence N., Newark, and F. B. Allen, Verona, assignors to C-O-Two Fire Equipment Co., Newark, N. J. Smoke detector and signal for airplanes. 2,464,211, Mar. 15.
- Cahusac, Clarence N., Newark, and D. A. Diehl, Arlington, assignors to C-O-Two Fire Equipment Co., Newark, N. J. Smoke detector and signal. 2,476,958, July 26.
- Caille, Charles, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Device for catching broken threads. 2,481,197, Sept. 6.
- Cain, Basil S., Erie, Pa., assignor to General Electric Company. Wall structure. 2,486,821, Nov. 1.
- Cain, Lee C., and O. P. Scott, Ozark, Mo. Spinning mule faller wire control. 2,478,235, Aug. 9.
- Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Phonograph-record arm mounting. 2,478,234, Aug. 9.
- Cain, William J., Overland, Mo. Flexible wooden sole. 2,466,373, Apr. 5.
- Caine, Curtis W., Portsmouth, Va. Endotracheal intubating stylet. 2,463,149, Mar. 1.
- Caine, William P., Birmingham, Ala. Compressor unloader. 2,469,224, May 3.
- Cairns, Theodore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of synthetic linear polyamide and obtaining same. 2,467,186, Apr. 12.
- Cairns, Theodore L., Wilmington, Del., and A. W. Larchar, Mendenhall, Pa., and Blaine C. McKusick, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of styrene with furan or mono-alkyl furan. 2,479,306, Aug. 16.
- Cake, Andrew R., Norfolk, Va. Carton folding machine. 2,458,341, Jan. 4.
- Calabrese, George V., assignor to Lumenite Electronic Company, Chicago, Ill. Electrode assembly. 2,470,066, May 10.
- Calabro, Helen D., Lexington, Mass. Bedclothes holder. 2,459,497, Jan. 18.
- Calamari, Peter T., Deep River, and P. F. Murdock, Clinton, Conn., assignors to The Aeolian Company, New York, N. Y. Automatic player mechanism for musical instruments. 2,488,170, Nov. 15.
- Calcium Carbonate Company, assignee: *See*—
McHan, Brack B.
- Caldarulo, Dominick L., Falls City, Nebr. Film supporting frame. 2,460,871, Feb. 8.
- Calder, John M., assignor to Boston Machine Works Company, Lynn, Mass. Taping and pressing seams. 2,487,421, Nov. 8.
- Caldwell, Carlyle G., Forest Hills, assignor to National Starch Products Inc., New York, N. Y. Starch ester derivatives and making same. 2,461,139, Feb. 8.

- Caldwell, Felix, Lindfield, near Sydney, New South Wales, Australia. Tractor mounted shovel loader. 2,468,542, Apr. 26.
- Caldwell, George F., Philadelphia, Pa. Support. 2,491,891, Dec. 20.
- Caldwell, Glenn A.: *See*—
Erbe, John R., and Caldwell.
King, George E., Cooper, and Caldwell.
- Caldwell, Harry J., assignor to Barnes Drill Co., Rockford, Ill. Magnetic separator. 2,466,839, Apr. 12.
- Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Floor and car mat. 2,477,960, Aug. 2.
- Caldwell, Joe J., Jr.: *See*—
Cooke, William T., Caldwell, Jr., and Clifford.
- Caldwell, John A., Philadelphia County, W. H. Wannamaker, Jr., Flourtown, and G. W. Kuntz, Mount Airy, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical control instrument. 2,471,393, May 24.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Amides of acetoacetic acid and their preparation. 2,462,358, Feb. 22.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Nuclear sulfonation products of fatty acid esters of hydroquinone hydroxy alkyl ethers and their salts. 2,478,368, Aug. 9.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of carboxylic acids by the reduction of beta lactones. 2,484,486, Oct. 11.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing glycol monoesters of acrylic and α -methacrylic acids. 2,484,487, Oct. 11.
- Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing enolic esters. 2,487,849, Nov. 15.
- Caldwell, John R., and H. J. Hagemeyer, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of β -lactones. 2,462,357, Feb. 22.
- Caldwell, John R., and T. E. Curtis, Hampton, Ga., assignors to Southern States Equipment Corporation. Electric switch. 2,466,374, Apr. 5.
- Caldwell, John R., Hampton, O. Richardson, Atlanta, and T. E. Curtis, Hampton, Ga., assignors to Southern States Equipment Corporation. Electric switch. 2,489,750, Nov. 29.
- Caldwell, Kyle C., Knoxville, Tenn. Tray type liquid fuel burner. 2,473,568, June 21.
- Caldwell, Leslie M., Rockford, Ill. Sling. 2,463,240, Mar. 1.
- Caldwell, Percy G., and L. W. Hope-Walton, London, England. Securing a pipe fitting to a plate, wall, or the like. 2,472,569, June 7.
- Caldwell, Richard A., Dubuque, Iowa. Transformer calibrating apparatus. 2,481,198, Sept. 6.
- Caldwell, Walter A., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Production of viscous aqueous alkaline solutions of vegetable globulins. 2,469,452, May 10.
- Caldwell, Walter A., West Kilbride, and E. R. Winton, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Production of protein filaments. 2,489,519, Nov. 29.
- Caldwell, Welsey A., Manhattan Beach, Calif. Garage door hardware. 2,485,860, Oct. 25.
- Caldwell, William B., Greenfield, Mass., assignor to Carman & Co., Inc., New York, N. Y. Clothes stretcher. 2,485,257, Oct. 18.
- Calfee, John D.: *See*—
Kraus, Charles A., and Calfee.
Thomas, Robert M., Young, and Calfee.
- Calfee, John D., Manhasset, N. Y., and L. B. Smith, Woodbridge, N. J., assignors to Allied Chemical & Dye Corporation. Manufacture of chlorofluoro methanes. 2,459,767, Jan. 18.
- Calfee, John D., and J. H. Pearson, Manhasset, N. Y., assignors to Allied Chemical & Dye Corporation. Low-temperature, hydrogen fluoride catalyzed polymerization of conjugated diolefins. 2,460,973, Feb. 8.
- Calfee, John D., Manhasset, and F. H. Bratton, Floral Park, N. Y., assignors to Allied Chemical & Dye Corporation. Hydrofluorination of unsaturated organic compounds. 2,462,359, Feb. 22.
- Calfee, John D., Manhasset, and P. A. Florio, Brooklyn, N. Y., assignors to Allied Chemical & Dye Corporation. Making tetrachlorodifluoroethane. 2,469,290, May 3.
- Calfee, John D., Westfield, R. M. Thomas, Union, and P. J. Flory, Cranford, N. J., assignors to Standard Oil Development Company. Nozzle process for making butyl rubber. 2,491,710, Dec. 20.
- Calhoun, Ingram X., Oklahoma City, Okla. Hydraulic slip. 2,491,711, Dec. 20.
- Calhoun, John A., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacture of fibers. 2,484,012, Oct. 11.
- Calhoun, John A., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacture of cellulose articles from viscose. 2,484,013, Oct. 11.
- Calhoun, John R., Bainbridge, and T. M. Buzzo, Unadilla, assignors to The Borden Company, New York, N. Y. Forming protein compositions. 2,469,546, May 10.
- Calhoun, John V., Haverford, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater for softening thermoplastics. 2,472,144, June 7.
- Callendo, Thomas A., South Ozone Park, N. Y. Reamer tool for pipes and the like. 2,458,681, Jan. 11.
- California Cedar Products Company, assignee: *See*—
Wilcox, William H.
- California Container Corporation, assignee: *See*—
Connell, Robert.
Van Saun, Raymond H.
- California Flaxseed Products Company, assignee: *See*—
Lasher, Edward A.
- California Fruit Growers Exchange, assignee: *See*—
Bryant, Edwin F.
- California Institute Research Foundation, assignee: *See*—
Gould, Clark W., Jr.
- California Machinery and Supply Company, Ltd., assignee: *See*—
Ostling, William.
- California Packing Corporation, assignee: *See*—
Cerruti, Richard C.
Dunn, Guy A.
- California Research Corporation, assignee: *See*—
Brooke, Lloyd F., Holm, and Elliott.
Clausen, William H., and Shiffler.
Clausen, William H., and Wellman.
Condit, Paul C.
Darragh, John L.
Davis, Vincent C.
Denison, George H., Jr., and Condit.
Dimpfl, Ludwig H., and Elwell.
Elwell, William E., and Snow.
Farrington, Bruce B., Clayton, and Rutherford.
Foehr, Edward G.
Foehr, Edward G., and Leyda.
Hampton, William H., and Smith.
Hetherington, Charles R.
Hetherington, Charles R., and Edwards.
Holm, Melvin M., Brooke, and Berlenbach.
Johnson, Arthur B., and Higgins.
Leyda, Frank.
Levine, Irving E.
Levine, Irving E., and Claussen.
Levine, Irving E., and Folsom.
Levine, Irving E., and Toland, Jr.
Lewis, Allen H.
Maker, Frank L., and McLeod.
Meier, Richard L., and Elwell.
Shiffler, William H., and Claussen.
Smith, Vaughn R., and Stevens.
Stokely, John M., and Cook.
- California Spray-Chemical Corporation, assignee: *See*—
Hansen, James W., and Cassil.
- Calingaert, George, Detroit, and J. S. Wintringham, Birmingham, Mich., assignors to Ethyl Corporation, New York, N. Y. Antiknock mixtures. 2,479,900, Aug. 23.
- Calingaert, George, Detroit, and J. S. Wintringham, Birmingham, Mich., assignors to Ethyl Corporation, New York, N. Y. Antiknock mixtures. 2,479,901, Aug. 23.
- Calingaert, George, Detroit, and J. S. Wintringham, Birmingham, Mich., assignors to Ethyl Corporation, New York, N. Y. Antiknock mixtures. 2,479,902, Aug. 23.
- Calingaert, George, Detroit, and J. S. Wintringham, Birmingham, Mich., assignors to Ethyl Corporation, New York, N. Y. Antiknock mixtures. 2,479,903, Aug. 23.
- Calise, Art, Chicago, Ill. Condiment dispenser. 2,479,811, Aug. 23.
- Calkin, Frank G., Glen Rock, assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recording papers. 2,471,607, May 31.
- Calkins, Eugene M., El Paso, Tex. Overload protection mechanism. 2,474,970, July 5.
- Calkins, Willis A.: *See*—
Torrence, George W., and Calkins.
- Call, Elmer A., Euclid, Ohio. Aviation spark plug adjusting tool. 2,482,703, Sept. 20.
- Call, Howard L., Ogden, Utah. Matrix band. 2,462,356, Feb. 22.
- Calladine, Joseph: *See*—
De Grave, Marvin F., and Calladine.
- Callaghan, Robert E., Lakewood, Ohio. Combined lunch kit and vanity case. 2,487,220, Nov. 8.
- Callahan, John T., Jr., Tulsa, Okla., D. O. Kocmich, Western Springs, Ill., and P. F. Adair, Dayton, Ohio. Pressure measuring apparatus. 2,486,587, Nov. 1.
- Callahan, Nolan H., Alice, Tex. Pump control device. 2,483,084, Sept. 27.
- Callan, Avo, assignee: *See*—
Skinner, M. T.
- Callan, Frank F., Clinton, Tenn. Auxiliary wheel for vehicles. 2,478,653, Aug. 9.
- Callan, James R., assignee: *See*—
Skinner, M. T.
- Callanan, Neil D., Buffalo, N. Y. Bank check. 2,459,263, Jan. 18.

- Callaway Mills Company, assignee: *See*—
Asbill, Clarence M., Jr.
Miller, Eugene D.
Parker, Samuel P.
Perkerson, Fred S.
- Callaway, Sylvester P., Marengo, Iowa. Hog ringer mechanism. 2,466,928, Apr. 12.
- Callaway, William B., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transformer responding to variations in amplitude of input waves. 2,481,644, Sept. 13.
- Callear, Thomas E.: *See*—
Sun, Kuan-Han, and Callear.
- Callendar, Guy S.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Callender, Edwin M., Cynwyd, R. S. Phair, Philadelphia, and H. D. Van Sciver, Merion, assignors to The Budd Company, Philadelphia, Pa. Welding current indicator and lockout. 2,470,067, May 10.
- Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Electrical control system. 2,472,043, May 31.
- Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Tool induction elimination apparatus for electric control circuits. 2,486,552, Nov. 1.
- Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Broadcast receiving circuit and apparatus. 2,489,008, Nov. 22.
- Calley, Joseph L., assignor to The Murray Corporation of America, Detroit, Mich. Normalizing coiled springs by a high-frequency magnetic field. 2,490,206, Dec. 6.
- Callinan, Thomas D., Pittsfield, Mass., assignor to General Electric Company. Asbestos impregnated with tin oxide and producing. 2,460,734, Feb. 1.
- Callis, Howard F., Norfolk, Va. Hose supporter. 2,462,161, Feb. 22.
- Callite Tungsten Corporation, assignee: *See*—
Kurtz, Jacob.
Kurtz, Jacob, and Williams.
- Calmes, Dallas L., Houston, Tex. Food and cream freezer. 2,491,952, Dec. 20.
- Caloric Gas Stove Works, assignee: *See*—
Klein, Gustav.
- Caloric Stove Corporation, assignee: *See*—
Klein, Gustav.
- Caltabiano, Robert, Bayside, and W. Zellweger, Flushing, assignors to I. Miller & Sons, Inc., Long Island City, N. Y. Making platform shoes. 2,492,782, Dec. 27.
- Caltham, Victor M., Stratford, assignor to Milford Rivet and Machine Company, Milford, Conn. Anvil unit for rivet setting machines. 2,483,807, Oct. 4.
- Calton, Robert G., Nashville, Tenn. Continuous method of forming and porcelain enameling sheet metal. 2,480,711, Aug. 30.
- Calumet and Hecla Consolidated Copper Company, assignee: *See*—
Kenny, Herman C., and Klein.
Rodgers, James S.
- Calvert, John D., assignee: *See*—
Logan, Leonard M., III.
- Calvert, Raymond R.: *See*—
King, John H., Wolf, and Calvert.
- Calvert, Sumter, assignor to R. T. Moloney, Chicago, Ill. Sound recorder. 2,460,411, Feb. 1.
- Calvin Company, The, assignee: *See*—
Thompson, Lloyd, and Jacobs.
- Cambridge Thermionic Corporation, assignee: *See*—
Frondel, Clifford.
- Camerino, Ernest and W. R., New York, N. Y. Oil burner. 2,478,457, Aug. 9.
- Camerino, William R.: *See*—
Camerino, Ernest and W. R.
- Cameron Can Machinery Company, assignee: *See*—
Simpson, Justin.
- Cameron, Duncan L., assignor to G. Orley, Detroit, Mich. Freezer plate. 2,486,822, Nov. 1.
- Cameron, Edward H., Seattle, Wash. Safety automobile door lock handle. 2,473,937, June 21.
- Cameron, Elizabeth J., Acton, London, England. Sliding bolt fastener. 2,489,078, Nov. 22.
- Cameron, Harry, Jersey City, N. J. Adjustable shoe heel. 2,486,704, Nov. 1.
- Cameron Iron Works, assignee: *See*—
Allen, Herbert.
- Cameron, Lachlan M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Heat exchanger. 2,476,179, July 12.
- Cameron Machine Company, assignee: *See*—
Scheuermann, Joseph S., and Carter.
- Cameron, Millard E., Allen Park, Mich. Polishing attachment for electric sweepers. 2,461,369, Feb. 8.
- Cameron, Robert T., Knoxville, Tenn. Coffee maker. 2,459,498, Jan. 18.
- Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Control system for hydraulic machinery. 2,473,676, June 21.
- Cametti, Benjamin: *See*—
Hagg, Arthur C., and Cametti.
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Testing arrangement for protected electrical apparatus. 2,474,825, July 5.
- Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Making magnetic cores. 2,488,961, Nov. 22.
- Camilli, Guglielmo, and A. Boyajian, Pittsfield, Mass., assignors to General Electric Company. Electric induction apparatus. 2,467,807, Apr. 19.
- Camilli, Guglielmo, and J. F. McKenney, Pittsfield, Mass., assignor to General Electric Company. Thermal responsive system. 2,479,307, Aug. 16.
- Camilli, Guglielmo, V. M. Montsinger, and J. J. Chapman, Pittsfield, Mass., assignors to General Electric Company. Protected electrical apparatus. 2,491,798, Dec. 20.
- Camloc Fastener Corporation, assignee: *See*—
Nicolet, Constant E.
- Camp, Charles J., Palo Alto, Calif. Emergency radio signal for airplanes. 2,473,050, June 14.
- Camp, Elza Q.: *See*—
Viles, Prentiss S., and Camp.
- Camp, Elza Q., Goose Creek, Tex., assignor to Standard Oil Development Company. Suppression of corrosive action of carbonic acid. 2,470,428, May 17.
- Camp, Ford E.: *See*—
Wagner, Arthur E., and Camp.
- Camp, Ray H., Dalton, Ohio. Snow shovel. 2,463,150, Mar. 1.
- Camp, S. H., & Company, assignee: *See*—
Dawson, Jesse R.
- Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Water-repellent coating composition and coating. 2,464,759, Mar. 15.
- Camp, William M., Glen Ridge, N. J., assignor to The Clark Thread Company. Making thermoplastic sewing thread. 2,483,455, Oct. 4.
- Campagna, Michael, assignor to Bristol Manufacturing Corporation, Bristol, R. I. Rubber-soled shoe with two-layer foxing. 2,481,389, Sept. 6.
- Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. 3-thenyl bromide salts. 2,471,090, May 24.
- Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. 3-thenyl bromide. 2,471,091, May 24.
- Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. Preparation of 3-thenaldehyde. 2,471,092, May 24.
- Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. 3,3'-thenoin. 2,471,093, May 24.
- Campbell, Alexander A., Springfield, Mass. Collapsible tube dispenser. 2,491,161, Dec. 13.
- Campbell, Alvin A., Hackettstown, N. J. Dispensing and measuring device. 2,472,092, June 7.
- Campbell, Archie D., Whiting, Ind. Pinking shears. 2,491,712, Dec. 20.
- Campbell, Arthur W., Wheaton, Ill., assignor to the United States of America as represented by the Secretary of War. Camera shutter. 2,470,139, May 17.
- Campbell, Arthur W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Hexanebisdiethylamide as plasticizer for butadiene-acrylonitrile copolymer. 2,474,776, June 28.
- Campbell, Bertram: *See*—
Rubenstein, Leon, and Campbell.
- Campbell, Bruce W., assignor to Lord Manufacturing Company, Erie, Pa. Mounting for engines for aircrafts. 2,465,790, Mar. 29.
- Campbell, Charles A.: *See*—
Hawes, Russell J., Behrman, and Campbell.
- Campbell, Charles H., Kent, Ohio. Oil-resin reclaiming blend and reclaiming method using the same. 2,468,482, Apr. 26.
- Campbell, Charles H., Kent, Ohio. Refining reclaimed rubber with cooling of the rubber to facilitate separation of tailings. 2,471,392, May 24.
- Campbell, Colin: *See*—
Sandersen, Gerard L., Nielsen, and Campbell.
- Campbell, David J., Richmond Hill, and W. G. Wing, West Hempstead, N. Y., assignors to The Sperry Corporation. Smoothing and differentiating circuit. 2,492,355, Dec. 27.
- Campbell, Donald A., Cleveland, Ohio. Extensible figure wheeled toy. 2,471,722, May 31.
- Campbell, Donald L.: *See*—
Kleiber, Carl E., Campbell, Stines, and Nelson.
- Campbell, Donald L., Short Hills, N. J., assignor to Standard Oil Development Company. Vapor pressure indicator device. 2,475,218, July 5.
- Campbell, E. A., assignee: *See*—
Clair, Louis C.
- Campbell, Edmund M., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Adhesive compress. 2,469,064, May 3.
- Campbell, Erwin A.: *See*—
Woolslayer, Homer J., Campbell, and Jenkins.
- Campbell, Frank G., Arlington County, Va. Heat conservation means for domestic hot-water systems. 2,481,720, Sept. 13.
- Campbell, George S., Shalden, Alton, England. Oil filter. 2,462,943, Mar. 1.
- Campbell, George T.: *See*—
Shellem, Harry A., and Campbell.

- Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotor blade for rotative winged aircraft. 2,477,113, July 26.
- Campbell, James A., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Engine output equalizing apparatus. 2,490,113, Dec. 6.
- Campbell, James T., Detroit, Mich. Plate developer. 2,458,561, Jan. 11.
- Campbell, James, Jr., Bethlehem, Pa. Detachable pin for firearms. 2,478,566, Aug. 9.
- Campbell, James R., Sissonville, assignor of one-half to R. L. Harless, Winfield, W. Va. Idling device. 2,488,171, Nov. 15.
- Campbell, John: *See*—
Hill, Lawrence R., Bindschadler, and Campbell.
Nurenberg, George F., and Campbell.
- Campbell, John A.: *See*—
Schmidt, Paul L., and Campbell.
- Campbell, John F., Williamsport, Pa. Micrometer bench gauge. 2,463,151, Mar. 1.
- Campbell, John G.: *See*—
Fash, Ralph H., and Campbell.
- Campbell, John H., Mentor Headlands, Ohio, assignor to General Electric Company. Pulse starting circuit for electric discharge devices. 2,465,059, Mar. 22.
- Campbell, John M., Cleveland, Ohio, assignor to J. M. Campbell and P. J. Haber, as trustees. Applying sodium silicate binder. 2,481,390, Sept. 6.
- Campbell, John M., Cleveland, Ohio, assignor to J. M. Campbell and P. J. Haber, as trustees. Making insulating and acoustical materials. 2,481,391, Sept. 6.
- Campbell, Kenneth S., and J. E. Sands, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Fireproofing compositions. 2,462,803, Feb. 22.
- Campbell, La Vern A., Grayslake, Ill. Cab structure. 2,479,036, Aug. 16.
- Campbell, La Vern A., Grayslake, Ill. Vehicle cab structure. 2,486,734, Nov. 1.
- Campbell, Lawrence F., Silver Spring, Md. Camera adapter for stereopictures. 2,458,466, Jan. 4.
- Campbell, Le Roy C., assignor of one-half to F. L. Cisky, Port Huron, Mich. Concealed ironing board. 2,492,842, Dec. 27.
- Campbell, Lorn, Jr., and D. C. Schilling, Lakewood, Ohio; said Schilling assignor to said Campbell. Fluid pressure regulator. 2,478,040, Aug. 2.
- Campbell, Lyman L., and T. R. Selby, Chicago, Ill., assignors to Wilson & Company, Inc. Suture. 2,468,034, Apr. 26.
- Campbell, Melville F., Springfield, Mass. Paper roll holder. 2,477,961, Aug. 2.
- Campbell, Phillip B., assignor of one-half to P. D. Campbell, Kansas City, Mo. Variable power transmission. 2,466,762, Apr. 12.
- Campbell, Phillip D., assignee: *See*—
Campbell, Phillip B.
- Campbell, Richard L., Cartersville, Mo. Extensible canopy. 2,470,337, May 17.
- Campbell, Robert C., Milburn, N. J., assignor to The Dorr Company (Inc.), New York, N. Y. Apparatus for conducting ion exchange operations. 2,458,893, Jan. 11.
- Campbell, Rollin E., Anderson, Ind. Multiple power application device. 2,458,976, Jan. 11.
- Campbell, Rollin E., Anderson, Ind. Multiple pressure press. 2,465,321, Mar. 22.
- Campbell, Samuel J., Green Bay, Wis. Multiple lane wrapping machine and method. 2,462,254, Feb. 22.
- Campbell, Shirley P., assignor to The Coleman Company, Inc., Wichita, Kans. Floor furnace with removable parts. 2,475,737, July 12.
- Campbell, Shirley P., and R. Grubb, assignors to The Coleman Company, Inc., Wichita, Kans. Furnace. 2,473,006, June 14.
- Campbell, Sumner E., and I. S. Dellinger, Long Beach, Calif. Lubricating oil. 2,485,861, Oct. 25.
- Campbell, Thaddeus C., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical cavity resonator. 2,475,778, July 12.
- Campbell, Thomas A., and E. G. Stock, assignors to Stewart-Warner Corporation, Chicago, Ill. Hydraulic coupler. 2,486,113, Oct. 25.
- Campbell, Thomas C., Hessler, and E. V. Hall, Hull, assignors to Blackburn Aircraft Limited, Brough, England. Tandem wing aircraft. 2,470,602, May 17.
- Campbell, Warren M.: *See*—
Campobasso, John J., and Campbell.
- Campbell, Warren M., Winthrop, Mass. Sewage treatment and oil and water separation. 2,468,864, May 3.
- Camphouse, John J.: *See*—
Peterson, Eric W., and Camphouse.
- Camphouse, John J., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Moistener for duplicating machines. 2,492,377, Dec. 27.
- Campi, Louis, Dumont, N. J. Bowling grip. 2,475,876, July 12.
- Campion, Donald C., Sr., Detroit, Mich., assignor to Loftus Engineering Corporation, Pittsburgh, Pa. Annealing machine. 2,465,511, Mar. 29.
- Campion, Donald C., Detroit, Mich., assignor to Loftus Engineering Corporation, Pittsburgh, Pa. Reciprocating conveyor. 2,473,193, June 14.
- Campion, James F., Freeport, N. Y. Pitch roof platform. 2,476,401, July 19.
- Campobasso, John J., Arlington, and W. M. Campbell, Winthrop, Mass. Sewage treatment. 2,468,865, May 3.
- Camos, Adolph, Clifton, N. J. Pocket lighter. 2,458,832, Jan. 11.
- Camos, Adolph, Newark, N. J. Pyrophoric element feeding mechanism for lighters. 2,473,636, June 21.
- Camos, Adolph, assignor to C. Mueller, Newark, N. J. Pocket lighter. 2,485,956, Oct. 25.
- Camos, Adolph, Newark, N. J. Pocket lighter. 2,491,550, Dec. 20.
- Camos, Louis H., New York, N. Y. Remover for friction type jar caps. 2,483,456, Oct. 4.
- Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Combined erasing and recording magnetic transducer. 2,475,421, July 5.
- Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Nontwisting paramagnetic record wire. 2,475,694, July 12.
- Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magnetic recorder head. 2,479,308, Aug. 16.
- Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Bulk demagnetization. 2,481,392, Sept. 6.
- Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magnetic recording head. 2,481,393, Sept. 6.
- Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Bidlar magnetic recording system. 2,481,904, Sept. 13.
- Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magazine for magnetic recording and reproducing devices. 2,484,552, Oct. 11.
- Camras, Marvin, Chicago, Ill., and H. E. Flanders, Salt Lake City, Utah, assignors to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Making magnetic impulse record members. 2,489,520, Nov. 29.
- Canada, Alfred H., Schenectady, N. Y., assignor to General Electric Company. Stationary chart recorder. 2,467,808, Apr. 19.
- Canadian Copper Refiners Limited, assignee: *See*—
Clark, Charles W., and Collins.
Clark, Charles W., and Schloen.
- Canadian Industries Limited, assignee: *See*—
Aitken, Roger G., and Streight.
Hornbrook, Walter J.
Segall, Gordon H.
- Canadian International Paper Company, assignee: *See*—
Dossé, Rene E., and Charles.
Rapson, William H., and Wayman.
- Canadian Patents and Developments Limited, assignee: *See*—
Marchant, Lawrence E., Hall, and Creek.
- Canadian Radium & Uranium Corporation, assignee: *See*—
Blau, Marietta, and Carlin.
Blau, Marietta, and Feuer.
Goldstein, Ladislav, and Perrin.
- Canadian Westinghouse Company, Limited, assignee: *See*—
Raymond, John E.
Vrooman, Charles R.
- Canady, Buel H.: *See*—
Wiley, Clifford J., Canady, and Brooks.
- Canady, Don, assignor to Dayton Acme Company, Cincinnati, Ohio. Weight controlled reel drive. 2,461,033, Feb. 8.
- Canady, Don, assignor to Dayton Acme Company, Cincinnati, Ohio. Voltage multiplier. 2,462,804, Feb. 22.
- Canady, Don, assignor to Dayton Acme Company, Cincinnati, Ohio. Intermittent pulldown mechanism for motion-picture projectors. 2,467,253, Apr. 12.
- Canalizo, Eugenio A., Mexico City, Mexico. Rake. 2,488,802, Nov. 22.
- Canaris, James M.: *See*—
Gallington, Ralph O., and Canaris.
- Candeland, Harold, and Z. K. Hass, Christchurch, assignors to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, England. Electrical signaling system. 2,487,522, Nov. 8.
- Candler, George V., Jr., Grosse Pointe Farms, Mich. Roof or covering. 2,489,751, Nov. 29.
- Candler, Arthur V. B., assignor to Maloney-Crawford Tank & Manufacturing Co., Tulsa, Okla. Apparatus for treating crude oil vapors. 2,468,958, May 3.
- Candler, Arthur V. B., assignor to Maloney-Crawford Tank & Manufacturing Co., Tulsa, Okla. Apparatus for treating crude oil emulsions. 2,484,205, Oct. 11.
- Candler, James N., Grosse Pointe, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Tail rotor for helicopters. 2,473,329, June 14.
- Candlin, James E., Jr.: *See*—
Murphy, Frank L., and Candlin.
- Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Time and temperature controller for domestic appliances. 2,471,862, May 31.

- Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,483,526, Oct. 4.
- Candy, Albert M., La Grange, assignor, by mesne assignments to National Cylinder Gas Company, Chicago, Ill. Magnetic control system. 2,460,921, Feb. 8.
- Candy, Albert M., La Grange, assignor, by mesne assignments to National Cylinder Gas Company, Chicago, Ill. Magnetic core with variable air gap. 2,460,922, Feb. 8.
- Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Ferrule for welding studs. 2,485,357, Oct. 18.
- Canfield, H. O., Co., assignee: *See*—
Riley, George A.
- Canfield, Robert W.: *See*—
Bailey, James, and Canfield.
- Canfield, William B.: *See*—
Rust, John B., and Canfield.
- Canfora, Arthur E., Brooklyn, N. Y., assignor to Radio Corporation of America. Electronic counter circuit. 2,469,031, May 3.
- Canham, Arthur W., Hamilton, Ontario, Canada. Adhesive tape spool. 2,486,515, Nov. 1.
- Canham, George E., West Orange, N. J., assignor to Schick Incorporated, Stamford, Conn. Self-starting impulse type electric motor. 2,469,412, Jan. 18.
- Canham, Walter G., St. Albans, A. H. Ostrin and L. Borstein, Charleston, W. Va.; said Canham assignor to said Ostrin and said Borstein. Nursing unit. 2,467,463, Apr. 19.
- Caniglia, Juan: *See*—
Murphy, Eduardo, Mulé, and Caniglia.
- Canistoe Industries, Inc., assignee: *See*—
Condon, Fred L.
- Canister Company, The, assignee: *See*—
Behrens, Walter A.
Stone, George F.
- Cannava, Santo J., Boston, Mass. Illuminated case. 2,481,394, Sept. 6.
- Canner, Herman M., Detroit, Mich. Tie rack. 2,470,015, May 10.
- Cannizzaro, Anthony H. and P. F., New York, N. Y. Combined photograph album and music box. 2,473,938, June 21.
- Cannizzaro, Pauline F.: *See*—
Cannizzaro, Anthony H. and P. F.
- Cannon, Frank, Rhinecliff, N. Y. Key case. 2,468,959, May 3.
- Cannon, George W.: *See*—
Bortnick, Newman M., and Cannon.
- Cannon, James H., assignee: *See*—
Thacker, Ralph S.
- Cannon, Madison M., Jr., and K. E. Peiler, West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for homogenizing molten glass in a forehearth. 2,467,809, Apr. 19.
- Cannon, Madison M., Jr., West Hartford, and J. S. Light, Simsbury, assignors to Hartford-Empire Company, Hartford, Conn. Molten glass level indicator and recorder. 2,483,333, Sept. 27.
- Cannon, Melvin C.: *See*—
Lester, Raymond H., and Cannon.
- Cannon, Richard L., Spokane, Wash. Fishing reel. 2,471,723, May 31.
- Cannon, Wayne, D.: *See*—
Browne, Kenneth A., and Cannon.
- Canon, Andrew J., assignor to J. D. Bradley, Merkel, Tex. Grain gate. 2,487,693, Nov. 8.
- Canovsky, David, New Orleans, La. Wrist band. 2,459,413, Jan. 18.
- Cantero, Herbert R., Writtle, England, assignor to Radio Corporation of America. Circuit for stabilizing frequencies of transmitter-receiver systems. 2,460,781, Feb. 1.
- Canterbury, William C., assignee: *See*—
Francis, Andrew J., Jr.
- Cantin, Eugene J., New York, N. Y. Air conditioning apparatus. 2,489,618, Nov. 29.
- Canlin, John H., Auburn, Maine. Quick dumping valve. 2,474,826, July 5.
- Cantor, Beatrice L., Pittsburgh, Pa. Bib. 2,479,154, Aug. 16.
- Cantral, John I.: *See*—
Silver, Walter H., and Cantral.
- Cantrall, Forrest L., Benicia, and J. A. Carlisle, San Rafael, assignors to Shasta Volcolite Company, Benicia, Calif. Mold filling and ejecting apparatus. 2,459,680, Jan. 18.
- Cantrell, Paul C., Berkeley, Calif. Pipe support clamp. 2,469,949, May 10.
- Cantrell, Troy L.: *See*—
Smith, Herschel G., Cantrell and Hill.
Smith, Herschel G., Cantrell, and McClintock.
Smith, Herschel G., Cantrell, and Peters.
- Cantrell, Troy L., Lansdowne, and H. G. Smith, Wallingford, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants. 2,472,517, June 7.
- Cantrell, Troy L., Lansdowne, and H. G. Smith, Wallingford, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants. 2,472,518, June 7.
- Capdevielle, Clarence C., New York, N. Y. Making sirup. 2,459,991, Jan. 25.
- Cape, Arthur T., Columbus, assignor to Coast Metals, Inc., Canton, Ohio. Structural element for high temperature service use. 2,458,502, Jan. 11.
- Cape, Arthur T., Columbus, assignor to Coast Metals, Inc., Canton, Ohio. Ferrous alloy. 2,463,948, Mar. 8.
- Cape, Arthur T., assignor to Coast Metals, Inc., Canton, Ohio. Alloy. 2,481,976, Sept. 13.
- Capell, Carl F., Santa Monica, Calif. Enema and douche assembly. 2,487,694, Nov. 8.
- Capewell Manufacturing Company, assignee: *See*—
Warner, Alden Y., and Craven.
- Capita, Emil R., North Bergen, N. J. Ultraviolet light apparatus. 2,484,332, Oct. 11.
- Capital Tool & Manufacturing Company, assignee: *See*—
Dorr, Joseph P.
- Capitol Homes, Inc., assignee: *See*—
Mannist, Milton.
- Caplan, Michael: *See*—
Dahlstrom, Eric T. J., and Caplan.
- Caplan, Solomon: *See*—
Harvey, Mortimer T., and Caplan.
- Caplan, Solomon, New York, N. Y., assignor to The Harvel Corporation. Cashew nut shell liquid and kernel oil separation. 2,480,221, Aug. 30.
- Caplan, Solomon, New York, N. Y., and P. L. Rosamilia, Newark, N. J., assignors to The Harvel Corporation. Mineral oil composition. 2,476,696, July 19.
- Caplan, William, assignor to Excelsior Machinery Company, Detroit, Mich. Fabric head steam and vacuum puff iron. 2,490,618, Dec. 6.
- Caplin, William, assignor to Seamprufe Incorporated, New York, N. Y. Garment. 2,486,553, Nov. 1.
- Caplinger, Kenneth T., assignee: *See*—
Chabbert, H.
- Capouch, Myron E.: *See*—
Brickman, Alan E., and Capouch.
- Cappelen, Albert L.: *See*—
Preston, William E., Cappelen, and Miller.
- Cappell, Charles W., Allison Park, assignor to E. L. Wiegand Company, Pittsburgh, Pa. Manufacture of electric heaters. 2,472,145, June 7.
- Capper, Lyle C., Lisbon, Iowa. Weighted pivoted sign. 2,467,187, Apr. 12.
- Capps, Alonzo V., Alamogordo, N. Mex. Wrench. 2,471,194, May 24.
- Capps, Harold O., Houston, Tex. Pattern board. 2,460,213, Jan. 25.
- Capra, Horace, Montreal, Quebec, Canada. Electric radiator. 2,476,133, July 12.
- Caprice Limited, assignee: *See*—
Levy, Sabine.
- Caprio, Amerigo F., Madison, and W. Horback, Newark, N. J., assignors to Celanese Corporation of America. Plasticized lower fatty acid ester of cellulose. 2,460,376, Feb. 1.
- Caprio, Amerigo F., Madison, and W. Horback, Newark, N. J., assignors to Celanese Corporation of America. Filaments of plasticized lower fatty acid esters of cellulose. 2,460,377, Feb. 1.
- Capriotti, Pasquale, Smithfield, Pa. Combination ironing table and stepladder. 2,482,652, Sept. 20.
- Caps, Arthur W.: *See*—
Landrock, Paul, and Caps.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Double shutter heat protection for motion-picture projectors. 2,461,140, Feb. 8.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for handling motion-picture film. 2,469,915, May 10.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Expandible tooth sprocket. 2,484,446, Oct. 11.
- Caputi, Alfred A., Buffalo, N. Y. Shoeshine shield. 2,458,250, Jan. 4.
- Caracristi, Virginio Z., Bronxville, N. Y., assignor to Combustion Engineering-Superheater, Inc. Burner with adjustable air distribution. 2,480,547, Aug. 30.
- Carani, Artilio D., Miami, Fla. Window structure. 2,479,602, Aug. 23.
- Carasso, Frederic M., Pasadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Polysulfide sealing putties and compounds. 2,465,512, Mar. 29.
- Carasso, Frederic M., Pasadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Polysulfide coating and sealing material. 2,465,513, Mar. 29.
- Caraway, John B., Jr., and H. Kees, assignors to Electronics Research, Inc., Evansville, Ind. Antenna. 2,467,961, Apr. 19.
- Caraway, John B., Jr., Evansville, Ind., and R. M. Silliman, Silver Spring, Md., assignors to Electronics Research, Inc., Evansville, Ind. High-frequency antenna. 2,467,962, Apr. 19.
- Carbaugh, Walter P.: *See*—
Henry, Maynard E., Sr., and Carbaugh.
- Carbert, Ralph, Morris, Minn. Wagon box. 2,475,590, July 12.

- Carbide and Carbon Chemicals Corporation, assignee: *See—*
 Boese, Albert B., Jr.
 Broderick, Aubrey E.
 Carter, Clare A.
 Fife, Harvey R., and Roberts.
 Getz, Charles A.
 Guest, Howard R., and McNamee.
 Johnston, Franklin, and Hensley.
 Morison, Charles R. W.
 Phillips, Benjamin, Jr.
 Quarles, Richard W.
 Quarles, Richard W., and Spessard.
 Quattlebaum, William M., Jr.
 Quattlebaum, William M., Jr., and Noffsinger.
 Quattlebaum, William M., Jr., and Toussaint.
 Stoops, William N.
 Wilkes, Benjamin G., Jr.
 Wilson, Alexander L.
 Young, Frank G.
- Carbodies Limited, assignee: *See—*
 Orr, John H.
- Carboloy Company, Inc., assignee: *See—*
 Webb, Clarence D.
 Wetzel, Albert.
- Carbon, Harry B., assignor to The Parker Appliance Company, Cleveland, Ohio. Automatic shutoff valve for fluid pressure operated devices. 2,466,375, Apr. 5.
- Carbon, Harry B., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve operating mechanism. 2,470,470, May 17.
- Carbon, Harry B., assignor to The Parker Appliance Company, Cleveland, Ohio. Fluid pressure operated valve. 2,480,712, Aug. 30.
- Carborundum Company, The, assignee: *See—*
 Goepfert, George J., and Robie.
 Houchins, Henry R.
 McMullen, John C.
 Rise, Kernell G., Goepfert, and Easter.
 Robie, Norman P.
 Robie, Norman P., and Ball.
 Rowe, Robert G.
 Sharpe, Donald B.
 Williamson, John A.
- Carbuhn, Harold G., Spokane, Wash. Control lever booster. 2,458,342, Jan. 4.
- Carcelli, Victor J., South Gate, Calif. Self-centering bore gauge. 2,464,070, Mar. 8.
- Card, Charles S., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Clamp. 2,471,305, May 24.
- Card, Charles S., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Clamp. 2,471,306, May 24.
- Card, Ione R.: *See—*
 Kirchmeyer, Frederick J., and Card.
- Carden, Albert, Bell, Calif. Draw clamp. 2,459,681, Jan. 18.
- Carden, Elizabeth M., assignee: *See—*
 Carden, William B.
- Carden, William B., assignor of one-half to E. M. Carden, Beauport East, Quebec, Canada. Producing viscose rayon yarn and fabric. 2,464,433, Mar. 15.
- Cardenas, Francisco A., assignee: *See—*
 Marquez, Nemesio.
- Cardinal, William E., Madison, Fla., assignor of fifty per cent to J. G. Allen, Montgomery, Ala. Device for locating submerged articles. 2,479,098, Aug. 16.
- Cardon, Samuel Z.: *See—*
 Heath, James C., Cardon, and Halbedel.
- Cardox Corporation, assignee: *See—*
 Hampel, Clifford A.
 Lawson, Andrew L.
 Voss, Walter W.
 Williamson, Hilding V.
- Cardoza, Charles: *See—*
 Larson, Albert E., and Cardoza.
- Cardozo, Max L.: *See—*
 Leeuwijn, Max, and Cardozo.
- Cardwell, Harland W., G. G. Brown, and E. R. Johnson, assignors to Cardwell Manufacturing Company, Inc., Wichita, Kans. Axially engageable friction clutch. 2,462,944, Mar. 1.
- Cardwell, Harland W., and J. W. Haupt, Wichita, Kans. Air controlled shifting mechanism. 2,491,087, Dec. 13.
- Cardwell Manufacturing Company, Inc., assignee: *See—*
 Cardwell, Harland W., Brown, and Johnson.
 Fein, Edgar M.
- Cardwell, Paul H., Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich. Forming sealing deposits in wells. 2,485,527, Oct. 18.
- Cardwell, Paul H., Tulsa, Okla., and G. E. Mullin, Philadelphia, Pa., assignors to The Dow Chemical Company, Midland, Mich. Composition for descaling ferrous metal surfaces. 2,485,528, Oct. 18.
- Cardwell, Paul H., Tulsa, Okla., and G. E. Mullin, Philadelphia, Pa., assignors to The Dow Chemical Company, Midland, Mich. Composition for removing scale from ferrous metal surfaces. 2,485,529, Oct. 18.
- Care, Richard L., Toronto, Ontario, Canada. Fare box supporting and locking means. 2,476,134, July 12.
- Carelock, Claude L., Douglas, Ga., assignor of one-half to C. L. Carelock, Jr. Transplanting machine. 2,486,462, Nov. 1.
- Carelock, Claude L., Jr., assignee: *See—*
 Carelock, Claude L.
- Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Unequal stroke speed expandable chamber motor with independent admission and exhaust. 2,466,376, Apr. 5.
- Carey-McFall Company, assignee: *See—*
 Davidson, Howard M.
 Deibert, William L.
 Stuber, Walter J.
 Stuber, Walter J., and Di Ienno.
- Carey, Philip, Manufacturing Company, The, assignee: *See—*
 Greider, Harold W., and Fasold.
 Smith, Marion F., and Greider.
- Carey, Reece M., assignee: *See—*
 Galvin, Charles E.
- Cargill, Louis H., Jenkintown, assignor to Specialty Packaging Company, Prospect Park, Pa. Packaging. 2,469,156, May 3.
- Carhart, William H., Staten Island, N. Y. Vehicle tire. 2,480,548, Aug. 30.
- Carignan, Raymond, Bradford, Vt., assignor, by mesne assignments, to Mer-Wall Enterprises, Incorporated, Wallingford, Conn. Spring compression tubing and pipe connection. 2,458,833, Jan. 11.
- Carington, Charles M., and G. W. Shoobert, assignors to K. L. G. Sparking Plugs Limited, London, England. Sparking plug. 2,473,231, June 14.
- Carington, Charles M., and W. J. Pickett, assignors to K. L. G. Sparking Plugs Limited, London, England. Retaining device. 2,487,098, Nov. 8.
- Carington, Charles M., G. W. Shoobert, and W. J. Pickett, assignors to K. L. G. Sparking Plugs Limited, London, England. Radio aerial for use on vehicles. 2,491,713, Dec. 20.
- Carl, Louis, Brooklyn, N. Y. Hammock support. 2,469,950, May 10.
- Carl, Marvin H., St. Louis, Mo., assignor to Atlas Powder Company, Wilmington, Del. Apparatus for the top separation of nitrotoluene. 2,461,141, Feb. 8.
- Carl, William P., Jr., Hampton, Va. Rigid sail construction for boats or the like. 2,484,687, Oct. 11.
- Carlson, Axel G. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Variable load brake for railway cars. 2,475,818, July 12.
- Carle, René, Brooklyn, assignor, by mesne assignments, to Thermo Electric Fuse Corp., New York, N. Y. Resettable circuit breaker. 2,487,422, Nov. 8.
- Carleton, Emile J., assignor to Hydraulic Engineering Co. Inc., Holyoke, Mass. Rotary seal. 2,458,343, Jan. 4.
- Carleton, Emile J., assignor to Hydraulic Engineering Co. Inc., Holyoke, Mass. Rotary follow valve. 2,490,509, Dec. 6.
- Carleton, Emile J., assignor to Hydraulic Engineering Co. Inc., Holyoke, Mass. Unloading valve. 2,490,510, Dec. 6.
- Carleton, Granville E., Beverly Farms, Mass., assignor to General Electric Company. Dual check valve. 2,470,471, May 17.
- Carlile, Alfred E., Great Neck, N. Y., assignor to Talon, Inc. End stop for slide fasteners. 2,460,124, Jan. 25.
- Carlile, Alfred E., Great Neck, N. Y., assignor to Talon, Inc. Automatic lock slider. 2,477,439, July 26.
- Carlile, Alfred E., Great Neck, N. Y., and A. M. Brown, Spring Lake Heights, N. J., assignors to Talon, Inc. End stop for slide fasteners. 2,472,743, June 7.
- Carlín, Anne S., Los Angeles, Calif. Hair curler. 2,489,120, Nov. 22.
- Carlín, Arvid F., Mamaroneck, N. Y. Sharpening device. 2,473,702, June 21.
- Carlin, Benson: *See—*
 Mesh, William E., and Carlin.
- Carlin, Benson, New York, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Apparatus for inspecting materials by wave trains. 2,489,860, Nov. 29.
- Carlin, Herbert J., East Orange, N. J., and B. V. Hoard, Portland, Oreg., assignors to Westinghouse Electric Corporation. Induction type time-delay relay. 2,482,463, Sept. 20.
- Carlin, Jack R.: *See—*
 Blau, Marietta, and Carlin.
- Carlin, James C., and R. R. Lloyd, Norristown, assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa. Inner tube and making the same. 2,473,784, June 21.
- Carling, Wilfrid H., Westmont, Quebec, Canada. Measuring instrument. 2,474,466, June 28.
- Carlino, Carmelo, Buenos Aires, Argentina. Sole stitching machine. 2,461,587, Feb. 15.
- Carlisle, John A.: *See—*
 Cantrall, Forrest L., and Carlisle.
- Carlisle, Willis C., and P. R. Mills, Houston, Tex. Well flowing. 2,465,060, Mar. 22.
- Carlo Erba S. A., assignee: *See—*
 Butturini, Luigi, and Bernini.
- Carlsen, Alf G., Tacoma, Wash. Concrete block making machine. 2,460,167, Jan. 25.
- Carlsen, Alf G., Tacoma, Wash. Concrete block molding machine. 2,492,463, Dec. 27.
- Carlsen, Andrew E., assignee: *See—*
 Wild, John J.
- Carlsen, John, Copenhagen, Denmark. Key-operated differential actuator. 2,472,519, June 7.
- Carlsen, John A., Winona, Minn. Overhead track switch operating lever. 2,481,822, Sept. 13.

- Carlson, Albin A., Minneapolis, Minn. Dust collector. 2,483,690, Oct. 4.
- Carlson, Arthur B., assignor to H. D. Conkey & Company, Mendota, Ill. Conveyor screw. 2,492,915, Dec. 27.
- Carlson, Arthur W., Kankakee, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot-water tank fitting. 2,475,007, July 5.
- Carlson, Bernard E., Chicago, Ill. Telltale lamp socket. 2,461,962, Feb. 15.
- Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Horizon gyro. 2,467,254, Apr. 12.
- Carlson, Bert G., Gates Mills, Ohio. Tube securing means. 2,470,546, May 17.
- Carlson, Bert G., Gates Mills, assignor to The Bellows Company, Akron, Ohio. Pneumatic tool for upsetting hollow rivets. 2,473,361, June 14.
- Carlson, Bert G., Gates Mills, Ohio. Compressor-turbine engine. 2,485,813, Oct. 25.
- Carlson, Carl E., assignor to Warner Manufacturing Co., Minneapolis, Minn. Pump assembly. 2,477,043, July 26.
- Carlson, Carl H., Chicago, Ill. Receptacle cover operator and lock. 2,464,670, Mar. 15.
- Carlson, Carl P., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Attenuator. 2,491,644, Dec. 20.
- Carlson, Carl S., Elizabeth, N. J., N. C. Robertson, Corpus Christi, Tex., and C. E. Porter, Cranford, N. J., assignors to Standard Oil Development Company. Recovery of normal propyl alcohol from oxygenated compounds. 2,489,619, Nov. 29.
- Carlson, Carl T., Iron Mountain, Mich. Steel folding chair. 2,467,963, Apr. 19.
- Carlson, Charles A., Bethesda, Md. Internal-combustion engine. 2,489,068, Nov. 22.
- Carlson, Clarence W., assignee: See—Holmes, John E.
- Carlson, David F., Gobles, Mich. Manufacturing artificial stone walls. 2,474,654, June 28.
- Carlson, Dean W., Oakland, Calif. Universal padlock for locking together unequal objects. 2,465,008, Mar. 22.
- Carlson, Dwight B., Rapids City, Ill., assignor to International Harvester Company. Adjustable V-belt pulley. 2,480,222, Aug. 30.
- Carlson, Ejnar W.: See—Zimmer, John C., Carlson, and Duncan.
- Carlson, Elmer T., Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Power distribution apparatus. 2,468,614, Apr. 26.
- Carlson, Elmer R., Galva, Ill. Massaging device. 2,482,838, Sept. 27.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Winder bobbin. 2,470,212, May 17.
- Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Instrument for the treatment of fingernails. 2,480,446, Aug. 30.
- Carlson, Henry A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling mud using halloysite. 2,489,521, Nov. 29.
- Carlson, J. A. Edwin, assignor to Jacobsen Manufacturing Company, Racine, Wis. Transmission for power lawn mowers. 2,464,175, Mar. 8.
- Carlson, John, Indian Orchard, assignor to John Carlson & Sons, Inc., Springfield, Mass. Ice skate construction. 2,463,949, Mar. 8.
- Carlson, John & Sons, Inc., assignee: See—Carlson, John.
- Carlson, Louis C., South Ozone Park, N. Y. Adapter. 2,473,051, June 14.
- Carlson, Lyle A., Oakville, Conn. Yarn bobbin. 2,469,103, May 3.
- Carlson, Margaret V., Jacksonville, Fla. Head covering hood. 2,484,269, Oct. 11.
- Carlson, Marvin C.: See—Popp, Rudolf, and Carlson.
- Carlson, Noble G., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Aluminothemic welding. 2,482,093, Sept. 20.
- Carlson, Reuben C., assignor to Admiral Corporation, Chicago, Ill. Permeability tuning slug support. 2,488,375, Nov. 15.
- Carlson, Roger V., Kenmore, N. Y., assignor to The Linde Air Products Company. Rotary pump for liquefied gases. 2,468,170, Apr. 26.
- Carlson, Roger V., Kenmore, N. Y., assignor to The Linde Air Products Company. Rotary pump for liquefied gases. 2,468,171, Apr. 26.
- Carlson, Robert W., Depew, assignor to Colonial Radio Corporation, Buffalo, N. Y. Variable predetermined number pulse generator. 2,462,945, Mar. 1.
- Carlson, Vernon E., Camp Hill, and T. C. Freedom, Progress, assignors to Aircraft-Marine Products, Inc., Harrisburg, Pa. Making electrical connectors. 2,468,169, Apr. 26.
- Carlson, Walter A., Sioux City, Iowa. Rotary turret type workholding fixture. 2,470,429, May 17.
- Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne radio altimeter or locator. 2,466,532, Apr. 5.
- Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Two-way radio communication system. 2,475,127, July 5.
- Carlson, William A.: See—Keene, Walter L., and Carlson.
- Carlstedt, Paul A., Edmonds, Wash. Table for hospital beds. 2,482,896, Sept. 27.
- Carlsten, Sigurd V., Akron, Ohio. Hand tool. 2,478,894, Aug. 16.
- Carlstrom, Charles, Bakersfield, Calif. Window cleaning device. 2,465,514, Mar. 29.
- Carlstrom, Bengt, and E. Grip., assignors to Aktiebolaget Pacit, Atvidaberg, Sweden. Key interlock. 2,485,695, Oct. 25.
- Carlstrom, Elis F., assignor to Hamilton Watch Company, Lancaster, Pa. Floating pawl. 2,460,620, Feb. 1.
- Carlton, Carl A., Fort Worth, Tex. Device for filing type matrices. 2,474,465, June 28.
- Carlton, Frank, Los Angeles, and L. L. Snyder, Montebello, Calif. Back siphonage prevention, antibackflow, and vacuum breaking valve. 2,491,604, Dec. 20.
- Carlton, Lewis: See—Murphy, Frank W., and Carlton.
- Carlton, Richard P., St. Paul, Minn., assignor, by mesne assignments, to Behr-Manning Corporation, Troy, N. Y. Apparatus for the manufacture of abrasives. 2,463,241, Mar. 1.
- Carlton, Richard P., St. Paul, Minn., assignor, by mesne assignments, to Behr-Manning Corporation, Troy, N. Y. Coated abrasive article. 2,463,242, Mar. 1.
- Carlyle Sales Corporation, assignee: See—Wallwork, Alfred.
- Carmack, Comer A., and L. L. Knighton, Columbus, Ga. Truck body. 2,476,814, July 19.
- Carman & Co., Inc., assignee: See—Caldwell, William E. Marrocco, Guy D.
- Carman, Frank H., Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa. Textile machine unit for drafting fibers. Re. 23,117, May 31.
- Carman, Harold C., assignor to Western Pine Manufacturing Company, Spokane, Wash. Gluing apparatus. 2,492,843, Dec. 27.
- Carman, Owsley E., Vale, Oreg. Improving the digestibility of milk. 2,490,015, Dec. 6.
- Carmean, James H.: See—Guinn, Charles L., and Carmean.
- Carmean, James H., Kansas City, Mo. Apparatus for dehydrating materials. 2,477,044, July 26.
- Carmel, William, Chicago, Ill. Bottle crushing device. 2,466,151, Apr. 5.
- Carmichael, Asa B., Tujunga, Calif. Toy wagon. 2,457,865, Jan. 4.
- Carmichael, Edward P., La Mesa, and C. W. Radcliffe, Albany, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Artificial foot. 2,460,446, Feb. 1.
- Carmichael, Leslie C., Lexington, Ky. Safety coupling. 2,482,741, Sept. 27.
- Carmody, Don R., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, New York, N. Y. Hydrocarbon conversion process. 2,458,977, Jan. 11.
- Carmody, Don R., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon conversion process. 2,490,578, Dec. 6.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,466,206, Apr. 5.
- Carnagua, Harold E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Electric governor. 2,467,521, Apr. 19.
- Carnagua, Harold E., and C. L. Swift, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Torque responsive clutch. 2,459,361, Jan. 18.
- Carnegie-Illinois Steel Corporation, assignee: See—Ashton, William A. Beaumont, William W., and Teplitz. Brayshaw, Ernest E. Case, Samuel L. Cooper, Joseph G. Dailey, William H., Jr. Debehah, William S. Edge, Dexter. Graham, Edwin A. Greulich, Gerald G. Hall, Warren S. Harris, Arch W., and Ward. Jenkins, Wesley R. Kling, Fred E. Lankford, Howard Y. Larman, Harry. Lorig, Edwin T. Lucas, Fred H., and Rhodes. Marburg, Edgar. Markle, Glenn R. Maurer, Walter C. Mebs, Erwin H. Mercer, David L. Miller, Earl C. Muddiman, Earl R. Muller, Herman E., Jr. Nebe, Peter J. Relling, Martin T., and Zsamboky. Rendel, George H.

Carnegie-Illinois Steel Corporation, assignee: *See*—Continued.

Peters, Tom J.
Scheffe, Frederick K.
Schmidt, William E.
Schulz, Herman B.
Schulze, Arthur R.
Shekels, Harold F.
Spangler, Earl D.
Twiehaus, Arthur E., and Wilton.
Vickroy, George S.
Wertz, Frank G.

Carnegie Institute of Technology, assignee: *See*—Kiebler, Myron.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparing lubricating oils. 2,462,360, Feb. 22.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of drying oil by polymerization of olefins. 2,481,498, Sept. 13.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Acid-resistant polymers and their production. 2,486,923, Nov. 1.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Acid-resistant polymers and their production. 2,486,924, Nov. 1.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of lubricating oils. 2,487,306, Nov. 8.

Carnelli, Francis J., New York, N. Y. Self-adjusting wrench. 2,464,555, Mar. 15.

Carnelli, Francis J., New York, N. Y. Self-adjusting wrench. 2,467,658, Apr. 19.

Carnes, Herbert W., Swampscott, and C. C. Thomas, Medford, assignors to Lacene Manufacturing Corporation, Lawrence, Mass. Skiving tool. 2,463,852, Mar. 8.

Carnes, Joseph J., Greenwich, and R. B. Warner, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkylene oxide condensation products of aliphatic acylcarbamylguanidines. 2,478,859, Aug. 9.

Carnevale, John C., Menlo Park, Calif. Spray gun for coating the interior of conduits. 2,461,517, Feb. 15.

Carney, Clifford R., assignor to Cellon Corporation, Miami, Fla. Ice tray grid. 2,477,282, July 26.

Carney, Clifford R., assignor to Cellon Corporation, Miami, Fla. Ice tray grid. 2,477,283, July 26.

Carney, Clifford R., assignor to Cellon Corporation, Miami, Fla. Ice tray grid. 2,477,284, July 26.

Carney, Clifford R., assignor to Cellon Corporation, Miami, Fla. Ice tray grid. 2,477,285, July 26.

Carney, Clifford R., assignor to Cellon Corporation, Miami, Fla. Ice tray grid. 2,477,286, July 26.

Carney, James J., Wethersfield, assignor to The United Tool & Die Company, Elmwood, Conn. Pinking scissors. 2,490,414, Dec. 6.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of volatilizable metal halides from adsorbents. 2,483,487, Oct. 4.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method and apparatus for continuous polymerization. 2,483,877, Oct. 4.

Carns, Vernon J., Detroit, Mich., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pneumatic reset apparatus. 2,481,395, Sept. 6.

Caro Manufacturing Co., assignee: *See*—

Klein, Cletus A.

Carolyn Chenilles, Inc., assignee: *See*—

Charles, Artis E.

Caron, Ludger J., assignor to Leominster Tool Company, Inc., Leominster, Mass. Heating cylinder for injection molding machines. 2,480,838, Sept. 6.

Carosella, Michael C., Niagara Falls, N. Y., assignor to United States Vanadium Corporation. Preparation of molybdenum compounds. 2,460,974, Feb. 8.

Carosella, Michael C., Niagara Falls, N. Y., assignor to United States Vanadium Corporation. Recovery of molybdenum compounds. 2,460,975, Feb. 8.

Carothers, Thomas A., Cincinnati, Ohio, and C. H. Burkhard, Goshen, Ind., assignors to The National Marking Machine Company, Cincinnati, Ohio. Control mechanism for marking machines. 2,467,188, Apr. 12.

Carpenter, Albert J., Jr., Attleboro, Mass., assignor to Babcock Box Co., Inc. Shipping and display box hinge construction. 2,490,746, Dec. 6.

Carpenter, Benjamin S., Alhambra, Calif., assignor to Willard Storage Battery Company, Cleveland, Ohio. Casting machine. 2,483,808, Oct. 4.

Carpenter Co., assignee: *See*—

Brogden, Ernest M.

Carpenter, E. W., Manufacturing Company, The, assignee: *See*—

Loucony, Adolphe, and Eick.

Carpenter, Erwin L., Riverside, and H. S. Davis, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,461,492, Feb. 8.

Carpenter, Glenn W., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical unit closure. 2,464,022, Mar. 8.

Carpenter, Hazel C., Van Nuys, Calif. Snaptite stopper. 2,487,635, Nov. 8.

Carpenter, John A., Waban, Newton, Mass. Multihole punch. 2,474,344, June 28.

Carpenter, Joseph D., and R. J. West, Ottumwa, Iowa. Airplane wing folding mechanism. 2,468,425, Apr. 26.

Carpenter, Marion S., Nutley, and W. M. Easter, Jr., Lodi, N. J., assignors to The Givaudan Corporation. Method for the preparation of 1-alkoxy-2,4-dinitro-6-tertiary-butyl-benzenes. 2,476,815, July 19.

Carpenter, Ose F., Brightwood, Va. Shipping coop. 2,483,527, Oct. 4.

Carpenter, Otis R.: *See*—

Kerr, Howard J., Carpenter, Armstrong, and Jessen.
Kerr, Howard J., Carpenter, Armstrong, Jr., and Jessen.

Carpenter, Otis R., and F. W. Armstrong, Jr., Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Electrical control system. 2,458,503, Jan. 11.

Carpenter, Otto W., administrator: *See*—

Kearney, Edward J., Armitage, and Pohl.

Carpenter, Russell, Three Rivers, Quebec, Canada. Steam joint. 2,460,872, Feb. 8.

Carpenter, Russell, Three Rivers, Quebec, Canada. Steam joint. 2,481,568, Sept. 13.

Carpenter Steel Company, The, assignee: *See*—

Post, Carl B.

Post, Carl B., and Eberly.

Carpenter, Victor W., Franklin, and S. A. Bell, Middletown, Ohio, assignor to Armco Steel Corporation. Producing glass coated silicon steel. 2,492,682, Dec. 27.

Carpentier, Edmond E., Eindhoven, Netherlands, assignor by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a cathode-ray oscillograph adapted to make at least two measuring voltages simultaneously perceptible. 2,466,207, Apr. 5.

Carpentier, Edmond E., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Direct-current voltage amplifier. 2,490,727, Dec. 6.

Carpentier, Léoni, Montreal, Quebec, Canada. Saw vise. 2,486,516, Nov. 1.

Carper, Alfred B., Eugene, Oreg. Door frame. 2,481,721, Sept. 13.

Carper, Stanley M., Sheffield County, Conn. Shears. 2,461,370, Feb. 8.

Carpinella, Michael J., assignor to Scoville Manufacturing Company, Waterbury, Conn. Machine for locating screwheads with respect to drills. 2,462,035, Feb. 15.

Carr, Adams & Collier Company, assignee: *See*—

Bissell, Frederick E., Jr., and Muir.

Carr, Donald E., assignor to Union Oil Company of California, Los Angeles, Calif. Asphaltic jet propulsion fuel. 2,479,470, Aug. 16.

Carr, Edward L.: *See*—

Smith, George E. J., Jr., and Carr.

Carr, Edward L., Akron, Ohio, and J. R. Rafter, Sharon, Mass., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Curing rubber and product resulting therefrom. 2,476,818, July 19.

Carr, Edward W., and R. H. Peterson, assignors to Crane Co., Chicago, Ill. Inverted float steam trap. 2,464,174, Mar. 8.

Carr, Harold D., Milwaukie, Oreg. Valve. 2,477,237, July 26.

Carr, Homer, Hollywood, Calif. Child's chair. 2,478,236, Aug. 9.

Carr, John A., and W. C. Carroll, Portland, Oreg., and R. D. Pike, Pittsburgh, Pa., assignors to Carroll Pressure Roller Corporation, Portland, Oreg. Pressure lubricated track tractor roller. 2,490,027, Dec. 6.

Carr-Lowrey Glass Co., assignee: *See*—

Garwood, Charles B.

Carr, Wiley W., and L. G. Wilke, U. S. Army, and L. M. Prince, Jr., New York, N. Y. Fuse. 2,487,789, Nov. 15.

Carragher, George, assignor of one-half to L. Leahy, Wenatchee, Wash. Trailer frame and wheel mounting therefor. 2,488,002, Nov. 15.

Carrell, Ross M., assignee: *See*—

Himmel, Loran B.

Himmel, Loran B., and Bush.

Carrie, William D., Lisle, assignor to Crane Co., Chicago, Ill. Rotary plug valve. 2,459,682, Jan. 18.

Carrier Corporation, assignee: *See*—

Ashley, Carlyle M.

Beresneff, Alexis A.

Cahill, William J.

Crider, Thomas G.

Goddard, Merrill B.

Hanson, Lars.

Meek, George W.

Reed, Winston Harrison, and Pennington.

Shepherd, Daniel F.

Silveira, Americo.

Trumpler, William E.

Carrier, Egbert W., Cranford, N. J., assignor to Standard Oil Development Company. Production of soda ash. 2,459,414, Jan. 18.

Carrier, Hermenegilde P., Charlestown, Mass. Split ring retainer extractor. 2,474,222, June 28.

Carrier, Worth W., assignor to Vic Cleaning Machine Co., Minneapolis, Minn. Filter. 2,480,320, Aug. 30.

- Carrière, Laurier, Rockford, Ill., assignor to The Maytag Company, Newton, Iowa. Refrigerator with defrosting pan. 2,467,464, Apr. 19.
- Carrigan, Tracy, H. G., Holmes, and C. A. Shoemaker, Lansing, Mich., assignors to Food Machinery and Chemical Corporation. Device for optically checking dirigible wheels. 2,470,090, May 17.
- Carrington, Blake W., assignor to The General Industries Company, Elyria, Ohio. Speed regulating motor drive. 2,459,917, Jan. 25.
- Carris, Gus, Vancouver, British Columbia, Canada. Locking means for rockable grate bars. 2,490,898, Dec. 13.
- Carrol, Raleigh S., Lebanon, Oreg. Holder for chain saw sharpeners. 2,458,058, Jan. 4.
- Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Chemical sensitization of photographic emulsions. 2,487,850, Nov. 15.
- Carroll, Burt H., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Supersensitized silver halide photographic emulsion. 2,478,369, Aug. 9.
- Carroll, Burt H., and W. West, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose carboxylic ester silver halide emulsions sensitized with benzothiazoles and benzoselenazole quaternary salts. 2,490,745, Dec. 6.
- Carroll, Clayton C.: See—
Wallhausen, Clarence W., Dooley, and Carroll.
- Carroll, Elbert H., deceased, West Boylston; H. W. Cowee and E. C. Carroll, executors, assignors to Carroll Pressed Metal Company, Worcester, Mass. Toe plate for ski bindings. 2,473,637, June 21.
- Carroll, Elizabeth C., executrix: See—
Carroll, Elbert H.
- Carroll, Frank L., North Hollywood, Calif. Folding charcoal cooking grill. 2,460,125, Jan. 25.
- Carroll, Guy B., Minneapolis, Minn. Retractable clothes-line hanger. 2,474,655, June 28.
- Carroll, James, Scranton, Pa. Animated cartoon. 2,472,191, June 7.
- Carroll, James L., Camp Blanding, Fla. Razor blade holder. 2,492,681, Dec. 27.
- Carroll, Joseph D., McKeesport, Pa. Applying and securing antikid chains. 2,472,768, June 7.
- Carroll, Katherine E., Prescott, Ariz. Coffee steeping bag. 2,460,735, Feb. 1.
- Carroll, Louis W., assignor to International Standard Electric Corporation, New York, N. Y. Wire retaining device. 2,468,035, Apr. 26.
- Carroll, Michael F., London, England. Production of phenolic ethers of polyhydric alcohols. 2,486,925, Nov. 1.
- Carroll, Michael F., and R. G. Mason, London, England. Production of phenolic ethers of polyhydric alcohols. 2,486,926, Nov. 1.
- Carroll, Morris B., Westfield, N. J., assignor of twenty-five per cent to H. D. Spencer, New York, N. Y. Gear-type rotary pump and motor hydraulic transmission. 2,463,950, Mar. 8.
- Carroll Pressed Metal Company, assignee: See—
Carroll, Elbert H.
- Carroll Pressure Roller Corporation, assignee: See—
Carr, John A., Carroll, and Pike.
- Carroll, Richard S., Longmeadow, Mass. Precision dial indicator mounting for machine tools. 2,458,344, Jan. 4.
- Carroll, Thomas, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Auger table. 2,464,919, Mar. 22.
- Carroll, Thomas, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. V-belt transmission. 2,491,248, Dec. 13.
- Carroll, William C.: See—
Carr, John A., Carroll, and Pike.
- Carroll, William E., Rockville, Md. Surcingle. 2,468,811, May 3.
- Carrotting Machine & Chemicals Co., Inc., assignee: See—
Braun, William L.
- Carruth, Baxter S., El Paso, Tex. Power-operated cradle. 2,482,318, Sept. 20.
- Carruthers, E. H., Co., assignee: See—
Carruthers, Eben H.
- Carruthers, Eben H., Ithaca, N. Y., assignor to E. H. Carruthers Co., Warrenton, Oreg. Apparatus for selectively packing products of variable weight. 2,470,916, May 24.
- Carruthers, Eben H., assignor to E. H. Carruthers Co., Warrenton, Oreg. Apparatus for packing products of variable weight. 2,470,976, May 24.
- Carruthers, Eben H., assignor to E. H. Carruthers Co., Warrenton, Oreg. Machine for packing products. 2,475,422, July 5.
- Carruthers, Eben H., Warrenton, Oreg. Apparatus for weighing and sorting articles. 2,490,945, Dec. 13.
- Carson, Boyce G., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of ammonia salts of maleic acid. 2,474,089, June 21.
- Carson, Boyce G., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of water-soluble organic compounds. 2,475,350, July 5.
- Carson, Gordon B., assignor to The Selby Shoe Company, Portsmouth, Ohio. Arch support. 2,464,023, Mar. 8.
- Carson, Gordon B., assignor to The Selby Shoe Company, Portsmouth, Ohio. Assembling shoe parts. 2,466,637, Apr. 5.
- Carson, Howard, and M. J. Duer, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Propeller mechanism. 2,467,964, Apr. 19.
- Carson, Howard, H. M. Geyer, and J. W. Light, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Duplicating machine. 2,484,553, Oct. 11.
- Carson, Isadore W., Indiana, assignor to Syntrol Company, Homer City, Pa. Electric hammer container. 2,465,845, Mar. 29.
- Carson, Robert H., Arlington, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Optical projection and plotting table device for navigation data. 2,478,237, Aug. 9.
- Carson, Russell M., assignee: See—
Hilliker, Frank T.
- Carson, Russell M., Red Oak, Iowa, assignor of fifty per cent to G. C. Hohl, Kansas City, Mo. Dish cleaning and garbage collecting machine. 2,473,007, June 14.
- Carson, William W., Jr., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator. 2,463,598, Mar. 8.
- Carson, William W., Jr., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Temperature regulator for controlling either a heating or cooling medium. 2,463,600, Mar. 8.
- Carswell, Firman L., and O. W. Schmidt, Kansas City, Kans. Machine for making arch-type culverts by means of internally positioned forms. 2,474,887, July 5.
- Carswell, Firman L., and O. W. Schmidt, Kansas City, Mo. Making arch-type conduits. 2,483,001, Sept. 27.
- Carswell, Thomas S., Seattle, Wash., and R. F. Hayes, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer composition. 2,483,753, Oct. 4.
- Carter, Alpha G., Jr.: See—
Carter, Alpha G., Sr., and A. G., Jr.
- Carter, Alpha G., Sr., and A. G., Jr., Kansas City, Mo. Baking apparatus. 2,478,458, Aug. 9.
- Carter, Arthur T., Sidney, Nebr. Rake attachment. 2,488,659, Nov. 22.
- Carter, Austin G., Swansea, Wales, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Alkali-alkaline earth hydroxide-impregnated carbon catalyst and its preparation. 2,470,688, May 17.
- Carter, Ben, Bolton, England. Bobbin tensioning mechanism. 2,459,617, Jan. 18.
- Carter, Ben and E., Bolton, England. Bobbin holder. 2,464,024, Mar. 8.
- Carter Carburetor Corporation, assignee: See—
Armstrong, James F., and Moseley.
Boyce, Leonard D.
Brown, Morris C.
Dulong, Roger R.
Ericson, George R.
Mueller, Edgar F.
Szwargulski, Alex N.
Thome, Leslie K.
- Carter, Chester W., Topsfield, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rocket launcher. 2,464,920, Mar. 22.
- Carter, Clare A., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Condensation of alcohols. 2,457,866, Jan. 4.
- Carter, Clarence E., San Francisco, Calif. Hair clipper. 2,470,287, May 17.
- Carter, Dora E., assignee: See—
Donaldson, Jefferson R., and Hulse.
- Carter, Edward H., and L. E. Sartain, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Activation of catalytic metal screens. 2,482,742, Sept. 27.
- Carter, Edward J., New York, N. Y., assignor to W. M. Scholl, Chicago, Ill. Making adhesive tape. 2,463,244, Mar. 1.
- Carter, Edward J., New York, N. Y., assignor to W. M. Scholl, Chicago, Ill. Tape drying system. 2,491,714, Dec. 20.
- Carter, Eric: See—
Carter, Ben and E.
- Carter, Ermin B., Decatur, Ill. Case stacker. 2,491,298, Dec. 13.
- Carter, Frank H., Taft, Calif. Divan mover. 2,469,547, May 10.
- Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Refrigeration expansion valve. 2,463,951, Mar. 8.
- Carter, George I., Longmeadow, assignor to Harvey-Whipple, Incorporated, Springfield, Mass. Multiple tube forced-draft and air flow air heater. 2,474,090, June 21.
- Carter, Gerald D., assignee: See—
Foerster, Albert W.
- Carter, Harry B., Palestine, Tex. Safety razor. 2,482,152, Sept. 20.
- Carter, Helen B., Forest, Va. Diaper support. 2,474,724, June 28.
- Carter, Herbert D., assignor to Crossley Brothers Limited, Openshaw, Manchester, England. Internal-combustion engine. 2,476,816, July 19.

- Carter, Herbert G., Dayton, Ohio. Direction finder. 2,460,806, Feb. 8.
- Carter, James M., Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Producing uranium tetrabromide. 2,469,916, May 10.
- Carter, John A., assignee: *See*—
Rosenberg, Paul.
- Carter, Joseph H., Rockford, Ill. Wrist watch band. 2,463,243, Mar. 1.
- Carter, O. L., assignee: *See*—
Ingemarson, Franc.
- Carter, Peter G., Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of chloropyrenes. 2,474,777, June 28.
- Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-gain antenna system. 2,485,138, Oct. 18.
- Carter, Ralph H., Johnson City, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Thread brake for double twisters. 2,478,927, Aug. 16.
- Carter, Ralph H., Johnson City, and C. B. Kingsbury, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Latch-out device for twisting spindles. 2,478,928, Aug. 16.
- Carter, Randolph H., Warrenton, Va. Fireplace air feeder construction. 2,470,430, May 17.
- Carter, Robert, Johnstown, Pa. Automatic signal mailbox. 2,472,192, June 7.
- Carter, Robert E., Mount Holly Springs, assignor to C. H. Masland & Sons, Carlisle, Pa. Pocket and making. 2,471,386, May 24.
- Carter, Robert J. S., and H. McDonald, Minneapolis, Minn., assignors to Pillsbury Mills, Inc. Milling process for granular food crop products, including fling impacting in breaking and finishing operations. 2,464,212, Mar. 15.
- Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Safety device for labeling machines. 2,460,214, Jan. 25.
- Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Article aligning means for conveyers. 2,468,290, Apr. 26.
- Carter, Thomas N.: *See*—
Scheuermann, Joseph S., and Carter.
- Carter, William, Company, The, assignee: *See*—
Redmond, Harriet L.
- Carthage Mills, Inc., assignee: *See*—
Seedorf, Ralph F.
- Cartier, Georges E., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Gas seal for reciprocating rods. 2,465,633, Mar. 29.
- Cartier, Harold E., White Bear, Minn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat-treating means utilizing controlled carbonaceous gaseous atmospheres. 2,459,618, Jan. 18.
- Cartier, Inc., assignee: *See*—
Bezault, Georges A. J.
Desouches, Gerard.
- Cartland, George F., assignor to The Upjohn Company, Kalamazoo, Mich. Recovering penicillin. 2,480,075, Aug. 23.
- Cartland, George F., W. J. Haines, and N. Bohonos, assignors to The Upjohn Company, Kalamazoo, Mich. Penicillin X manufacture. 2,487,018, Nov. 1.
- Cartridge Type Seal Company, assignee: *See*—
Marslek, Emil J.
- Carter, William G., Monrovia, Calif. Fluid fuel burning space heater. 2,487,775, Nov. 8.
- Cartter, William G., Monrovia, Calif. Fuel burning space heater. 2,487,776, Nov. 8.
- Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Internal exhaust seal for electric lamps and similar devices. 2,473,860, June 21.
- Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Tipping-off burner. 2,482,400, Sept. 20.
- Cartwright, Horace A., Gallon, Ohio. Rotation comparing apparatus for indicating the operation of pumps. 2,475,219, July 5.
- Cartwright, Leonard C., New York, N. Y., assignor to Foster D. Snell, Inc. Lighter. 2,489,620, Nov. 29.
- Cartwright, Randle V.: *See*—
Tuttle, Clifton M., Cartwright, and Eichler.
- Carulli, John: *See*—
Beals, Gillson W., and Carulli.
- Carullo, Paul A., and E. K. Brown, assignors to The Torrington Company, Torrington, Conn. Double row bearing. 2,488,848, Nov. 22.
- Carvajal, Roberto, and J. J. Quiroga, Sewell, Chile, assignors to Kennecott Copper Corporation, New York, N. Y. Froth flotation of sulfide ores with phenyl-imidomyl-dithiocarbonate. 2,469,368, May 10.
- Carvalho, Leslie R. N., assignor, by mesne assignments, to Crown Cork Specialty Corporation, Decatur, Ill. Method and apparatus for forming threaded caps. 2,471,307, May 24.
- Carvel, Thomas, Hartsdale, N. Y. Apparatus for agitating and dispensing frozen foods. 2,491,852, Dec. 20.
- Carver, Harvey C., Portland, Ore. Rat shield trap. 2,488,466, Nov. 15.
- Carver, Henry R., Thackley, Bradford, assignor to Jonas Woodhead & Sons Limited, Leeds, England. Laminated spring for vehicles. 2,466,152, Apr. 5.
- Carver, Vinton D.: *See*—
Graham, Clifton B., and Carver.
- Cary, Francis H., Warwick, assignor to Builders Iron Foundry, Providence, R. I. Photographic printing apparatus having a rotary light-transmitting cylinder and an endless belt bearing against the cylinder. 2,459,362, Jan. 18.
- Cary, Henry H., Alhambra, and W. P. Baxter, Pasadena, assignors to National Technical Laboratories, South Pasadena, Calif. Glass electrode. 2,462,843, Mar. 1.
- Cary, Henry H., Alhambra, and W. P. Baxter, assignors to National Technical Laboratories, Pasadena, Calif. Hydrogen tube. 2,463,743, Mar. 8.
- Casabona, Anthony M.: *See*—
Pickles, Sidney B., and Casabona.
- Casalbore, Charles: *See*—
Grier, Nathaniel, and Casalbore.
- Casali, Joseph, Detroit, Mich. Combination fireplace and bar. 2,486,517, Nov. 1.
- Casas Robert, Ramon, Geneva, assignor to Mefina S. A., Binningen, Switzerland. Shuttle for sewing machines. 2,488,052, Nov. 15.
- Casazza, Roy E., Oakland, Calif. Pecking hammer. 2,490,254, Dec. 6.
- Cascades Plywood Corporation, assignee: *See*—
Uschmann, Curt, and Jacobson.
- Casco Products Corporation, assignee: *See*—
Johnson, Arthur A.
Youhouse, Joseph.
- Case, Harold W., Dayton, Ohio. Radiator core. 2,466,684, Apr. 12.
- Case, J. I. Company, assignee: *See*—
Hamilton, Matthew E., and Morrissey.
Hansen, Charles W.
Hartsock, Robert E., and Henss.
Krause, Norman R., and Hansen.
Magee, Kenneth L.
Russell, Stanley D.
Schoenrock, Otto R.
- Case, John S., Baltimore, Md. Valve device. 2,468,960, May 3.
- Case, Samuel L.: *See*—
Sims, Clarence E., Case, and McCabe.
- Case, Samuel L., Columbus, Ohio, assignor, by mesne assignments, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Free machining steel. 2,485,358, Oct. 18.
- Casella, Secondo L.: *See*—
Himoff, Morris G., and Casella.
- Casella, Secondo L., New York, assignor to Morey Machinery Co. Inc., Astoria, Long Island, N. Y. Chuck for lathes and the like machine tools. 2,462,465, Feb. 22.
- Casellini, Ezio T., Salem, and H. B. Sloan, Lynn, assignors to Sylvania Electric Products Inc., Salem, Mass. Electrical discharge tube. 2,492,619, Dec. 27.
- Caserta, Michele, Detroit, Mich. Making a diaphragm. 2,460,168, Jan. 25.
- Caserta, Michele, Detroit, Mich. Pressure adjusting device. 2,477,720, Aug. 2.
- Casey, Charles L., Riverside, and J. B. Ryno, assignors to Reliable Sheet Metal Engineering Co., Chicago, Ill. Vending machine. 2,486,518, Nov. 1.
- Casey, Helen M., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Making electrolytic dendritic powdered iron. 2,481,079, Sept. 6.
- Casey, James P., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Preparing starch paste. 2,472,790, June 14.
- Cash, A. W., Company, assignee: *See*—
Temple, Paul C.
- Cash, George M.: *See*—
Paxhia, Emanuel F., and Cash.
- Cashin, James A., Liverpool, England. Optophone. 2,475,444, July 5.
- Cashion, Arnie D., Davidson, N. C. Lubricating device. 2,480,549, Aug. 30.
- Cashman, Aloysius F.: *See*—
Lieber, Eugene, and Cashman.
- Cashman, Edward P.: *See*—
Lieber, Eugene, Cashman, and Dean.
- Casingena, Joseph: *See*—
Solana, Carlos G., and Casingena.
- Casnat, Lola A., New York, N. Y. Sanitary holder for small articles. 2,471,308, May 24.
- Casner Patents, Inc., assignee: *See*—
Roters, Herbert C.
- Casper, Frank, assignor to Kenneth H. Kolpien, Cleveland, Ohio. Sheet-setting control. 2,477,405, July 26.
- Casper, Louis, Richmond Hill, N. Y. Advertising device rotated by heat motors. 2,466,003, Apr. 5.
- Casper, Samuel, San Francisco, Calif. Magneto tester. 2,460,676, Feb. 1.
- Caspers Tin Plate Company, assignee: *See*—
Zacek, Paul W.
- Cass, John A., Mooifontein, Transvaal, Union of South Africa. Apparatus for threshing podded or shell inclosed field crops. 2,458,345, Jan. 4.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of beta-trichlorethane. 2,461,142, Feb. 8.

- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fungicide comprising 1-methoxy-4-chlorobutene-2. 2,462,830, Mar. 1.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fungicidal composition. 2,465,061, Mar. 22.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of chloral and chloral hydrate. 2,478,152, Aug. 2.
- Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of furan. 2,489,265, Nov. 29.
- Cass, Vernon C., Chicago, Ill. Vehicle wheel mounting means. 2,484,447, Oct. 11.
- Cassano, Erminio, Framingham, Mass. Blank for shoe uppers. 2,471,366, May 24.
- Cassanos, James G., Woburn, and K. H. Butler, Marblehead, assignors to Sylvania Electric Products Inc., Salem, Mass. Barium magnesium lead silicate phosphor. 2,467,810, Apr. 19.
- Cassé, Marcel, Essonnes, France. Automatic hood-forming machine for hat-making. 2,474,971, July 5.
- Cassé, Marcel, Essonnes, France. Mechanism for pulling the hairs from pelts. 2,478,238, Aug. 9.
- Cassé, Marcel, Essonnes, France. Machine for the wet treatment of textile materials or the like. 2,482,319, Sept. 20.
- Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Textile printing paste. Re. 23,134, July 19.
- Cassens, Bruno F., assignor to Butwin Sportswear Co., St. Paul, Minn. Jacket construction. 2,462,361, Feb. 22.
- Cassidy, Joseph P., Romford, England. Display apparatus. 2,487,307, Nov. 8.
- Cassie, John, See—
Geissler, Henry, and Cassie.
- Cassie, John, Hyde Park, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air heater system. 2,488,267, Nov. 15.
- Cassil, Carroll C.: See—
Hansen, James W., and Cassil.
- Cassile, Marjorie A., Youngstown, Ohio. Nursing bottle holder. 2,490,207, Dec. 6.
- Cast, Clyde C., assignor of one-half to H. A. Cast, Grand Rapids, Mich. Shoulder pad. 2,487,423, Nov. 8.
- Cast, Don T., Columbus, Ohio. Portable heat-adjusting charcoal stove. 2,473,569, June 21.
- Cast, Helena A., assignee: See—
Cast, Clyde C.
- Castay, Walter H., New Orleans, La. Film splicing device. 2,467,609, Apr. 19.
- Castay, Walter H., New Orleans, La. Film splicer. 2,475,351, July 5.
- Castedello, William: See—
Schwartz, Morris, and Castedello.
- Castedello, William, assignor to The Kalart Company, Inc., Stamford, Conn. Shutter release device for photographic cameras. 2,464,671, Mar. 15.
- Castedello, William, assignor to The Kalart Company, Inc., Stamford, Conn. Reflecting range finder having uniformly calibrated scale. 2,484,072, Oct. 11.
- Castedello, William, assignor to The Kalart Company, Inc., Stamford, Conn. Brake for camera focusing knobs. 2,487,308, Nov. 8.
- Castel, Jacques H., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Casing joint locator. 2,459,499, Jan. 18.
- Castell, Agustín M., assignor to C. A. Constant Card, Barcelona, Spain. Improving the carding effect of carding cylinders. 2,481,002, Sept. 6.
- Castellan, Carl A., assignor to American Viscose Corporation, Wilmington, Del. Textile products and production thereof. 2,476,282, July 19.
- Castellan, Carl A., assignor to American Viscose Corporation, Wilmington, Del. Textile products and producing them. 2,476,283, July 19.
- Castellano, Joseph P., Brooklyn, N. Y. Escape scuttle. 2,488,524, Nov. 22.
- Castellanos, Gonzalo M., Placetas, assignor to Meneses y Compania, Placetas, Las Villas, Cuba. Crude oil purifier. 2,462,466, Feb. 22.
- Castelli, Charles, Union City, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Clothspin. 2,471,141, May 24.
- Castiglia, Biagi, assignor to Wheel Aligning Necessities, Inc., New York, N. Y. Toe gauge. 2,474,616, June 28.
- Castillo, Cirilo C., Los Angeles, Calif. Compression relief device for starting engines. 2,460,338, Feb. 1.
- Castillow, Peyton, assignee: See—
Hendricks, Will S.
- Castle, Carl H., assignor to The Sturgis Products Company, Sturgis, Mich. Tumbling barrel finishing and material and production thereof. 2,464,486, Mar. 15.
- Castle, James B., Oakland, assignor to Reconstruction Finance Corporation, San Francisco, Calif. Press brake drive. 2,461,034, Feb. 8.
- Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine having rotatable tub with upper and lower discharge means. 2,470,140, May 17.
- Castner, Gertrude S., Detroit, Mich. Game counter. 2,475,695, July 12.
- Castner, Robert C., Berkeley, and L. M. Peters, assignors to Shell Development Company, San Francisco, Calif. Stabilization of unsaturated nitriles. 2,481,080, Sept. 6.
- Castro, René, Ugine, and A. Lebet, Albertville, assignors to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Welding electrode for hard facing. 2,471,931, May 31.
- Caswell, Arthur S., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker contact construction. 2,471,608, May 31.
- Cataldo, John B.: See—
O'Brien, Joseph F., and Cataldo.
- Cataldo, Joseph T., New York, N. Y. Apparatus for testing materials. 2,464,213, Mar. 15.
- Cataldo, Teresa, Boston, Mass. Safety belt for infants. 2,486,114, Oct. 25.
- Catalin Corporation of America, assignee: See—
Malashevitz, Alex.
- Catlin, Louis F., Jr.: See—
Catlin, Louis F., Sr., Rourke, and L. F. Catlin, Jr.
- Catlin, Louis F., Sr., R. Rourke, and L. F. Catlin, Jr., assignors to Apex Tool & Cutter Company, Shelton, Conn. Toolholder. 2,488,172, Nov. 15.
- Catalini, Domenic, assignor to Charlton Company, Inc., Fitchburg, Mass. Sofa bed. 2,485,183, Oct. 18.
- Catalyst Research Corporation, assignee: See—
Bennett, Owen G.
- Bennett, Owen G., and Dubin.
- Cate, Edward C., assignee: See—
Cate, William A.
- Cate, Horace H., College Park, Ga. Awning structure. 2,480,447, Aug. 30.
- Cate, William A., assignor of forty-nine per cent to E. C. Cate, Portland, Ore. Rotary combustion motor. 2,473,785, June 21.
- Cater, Earl E., Los Angeles, Calif. Valve. 2,483,572, Oct. 4.
- Caterpillar Tractor Co., assignee: See—
Burks, George E.
- Davies, James M.
- Davis, James M.
- Defenbaugh, John L.
- Doyle, William L. H.
- Gustafson, Carl A.
- Johnson, Lloyd E.
- Robinson, Ronald R., and Johnson.
- Roman, Randall.
- Rosen, Carl G. A., and Van Zandt.
- Smith, Roger M.
- Van Zandt, Rollin P.
- Catford, Adrian L., Hampton, assignor to D. Napier & Son Limited, London, England. Variable-speed gear. 2,483,180, Sept. 27.
- Catharina, Pierre: See—
Sevellhac, Francois and P., Cazeneuve, and Catharina.
- Cathers, George I., Old Greenwich, and L. A. Fluck, Jr., Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y. Water repellent composition containing stearamide and methylated methylol melamine. 2,491,249, Dec. 13.
- Catherwood, William S., Jr., assignor to Murray Manufacturing Corporation, Brooklyn, N. Y. Land mine housing. 2,475,008, July 5.
- Cathodeon Limited, assignee: See—
Liebmann, Gerhard.
- Cathrill, Jack, San Francisco, Calif. Headlight. 2,480,632, Aug. 30.
- Catlin, Arthur W., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Recuperator construction. 2,477,287, July 26.
- Catlin, John P., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Explosive device. 2,462,305, Feb. 22.
- Catlin, John P., and P. F. Darby, Fairfield, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Electric firing means for automatic guns. 2,466,929, Apr. 12.
- Catlin, Robert V., Minneapolis, Minn. Automatic re-coiling pull starter. 2,480,550, Aug. 30.
- Catlow, William R., Jr.: See—
Daniels, Rupert S., and Catlow, Jr.
- Caton, Joseph D.: See—
Maurer, Edwin R., and Caton.
- Catranis, John G., Syracuse, N. Y. Artificial foot (two-link). 2,475,372, July 5.
- Catranis, John G., Syracuse, N. Y. Three-part artificial foot (lateral motion and ankle rotation). 2,475,373, July 5.
- Catucci, Pilny, Kearny, N. J., assignor to William Crabb & Company, Newark, N. J. Grinding machine. 2,460,570, Feb. 1.
- Catucci, Walter H., Kearny, N. J. Machine for grinding objects. 2,475,009, July 5.
- Catudal, Francis W.: See—
Eaton, Edwin D., and Catudal.
- Cauchois, André, Lille, France. Chuck for gripping bars. 2,481,289, Sept. 6.
- Caul, Joseph, and D. Krakauer, assignors to Kay Manufacturing Corporation, Brooklyn, N. Y. Machine for assembling springs. 2,470,812, May 24.
- Caudill, Howard L.: See—
Thornley, Joseph H., and Caudill.

- Cauley, Stephen P., Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Refining of alkyl phenols. 2,467,355, Apr. 12.
- Cauley, Stephen P., Garden City, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Removal of hydrogen sulfide from oils. 2,468,701, Apr. 26.
- Causey, George W., Pittsburgh, Pa. Scaffolding. 2,478,088, Aug. 2.
- Cauwenberg, Winfred J.: *See—*
Hoback, Walter H., Cauwenberg, and Whatley.
- Cauwenberg, Winfred J., Piney River, Va., and H. L. Sanders, Easton, Pa., assignors to American Cyanamid Company, New York, N. Y. Producing rutile. 2,477,559, Aug. 2.
- Cavaller, Salvatore A., Orlando, Fla. Bracket for shades, curtains, and draperies. 2,474,414, June 28.
- Cavaliere, Silvestro, Chicago, Ill. Toilet tissue dispenser. 2,477,362, July 26.
- Cavallier, Jean A., Nancy, assignor to Societe Pompes Noel, Liverdun, France. Centering chuck for centrifugal casting machines. 2,487,424, Nov. 8.
- Cavallier, Jean A., Nancy, assignor to Societe Pompes Noel, Liverdun, France. Feeding device for centrifugal casting machines. 2,489,479, Nov. 29.
- Cavanaugh, Robert M., and J. E. Lufkin, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making dimethyl terephthalate. 2,459,014, Jan. 11.
- Cavaness, James D., Arlington, Tex. Lawn mower. 2,471,367, May 24.
- Cave-Browne-Cave, Genille, Victoria, British Columbia, Canada. Magnetic stabilizer. 2,479,309, Aug. 16.
- Cavelti, John E., Meadville, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Production of 2,4,6-trichlororesorcin. 2,485,562, Oct. 25.
- Cavers, Thomas W., J. A. Cook, Franklin, R. C. Mott, and H. F. C. Taylor, Falconbridge, assignors to Falconbridge Nickel Mines Limited, Toronto, Ontario, Canada. Punching pipe for concenter tuyeres. 2,480,394, Aug. 30.
- Caves, Lawrence C., Tulsa, Okla. Adhesive waterproof plastic composition. 2,470,141, May 17.
- Cavi, Harry, New York, N. Y. Sterilizer for receptacles. 2,477,238, July 26.
- Cavin, Neal, Tulsa, Okla. Saddle stirrup holder. 2,482,153, Sept. 20.
- Cawein, Madison: *See—*
Eckhardt, Walter, and Cawein.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electronic saw-tooth voltage generator. 2,467,465, Apr. 19.
- Cawein, Madison, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Cathode-coupled amplifier. 2,489,266, Nov. 29.
- Cawley, Aloysius J., Pittston, Pa. Road engaging means for automobiles. 2,461,719, Feb. 15.
- Cawood, Richard L., and B. W. Richardson, assignors to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Mixing apparatus. 2,461,720, Feb. 15.
- Cayas, Alex J., Glendale, Calif. Snow and ice disposal device. 2,467,659, Apr. 19.
- Cayas, Alex J., Glendale, Calif. Device for the disposal of snow and ice. 2,481,199, Sept. 6.
- Cayas, Alex J., Glendale, Calif. Vehicle for the disposal of snow and ice. 2,481,569, Sept. 13.
- Caza, Edgar, Cornwall, Ontario, Canada. Piston ring. 2,485,862, Oct. 25.
- Cazeneuve, Louis: *See—*
Seveilhac, Francois and P., Cazeneuve, and Catharina.
- Cazlot, Pierre, executor: *See—*
Corblin, Henri.
- Cease, William W., Fredonia, N. Y. Dispensing apparatus. 2,477,239, July 26.
- Cechmanek, Karl O., Amsterdam, Netherlands. Projection screen. 2,479,812, Aug. 23.
- Cecil, Robert, Co., Inc., assignee: *See—*
Dorfman, Robert S.
- Cedar, Julius, New York, N. Y. Bracelet clasp. 2,461,309, Feb. 8.
- Cefoil Limited: *See—*
Millatt, Edwin G.
- Celka, Joseph B., Highland Park, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Automotive vehicle antenna. 2,468,391, Apr. 26.
- Celka, Joseph B., Highland Park, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Automotive vehicle antenna. 2,481,823, Sept. 13.
- Celanese Corporation of America, assignee: *See—*
Allan, John.
Allen, Sidney J., and Drewitt.
Allen, Sidney J., Drewitt, and Bryans.
Allquist, John W.
Blount, Edgar R.
Bludworth, Joseph E., and Hutson.
Bludworth, Joseph E., and Pearson, Jr.
Bludworth, Joseph E., Robeson, and Truby.
Brant, Ernest H.
Byer, John W.
Caprio, Amerigo F., and Horback.
Croft, Cyril M.
Croft, Cyril M., and Hindle.
Croft, Cyril M., Bergeron, and Dodge.
- Celanese Corporation of America, assignee: *See—Continued*
Denyes, Russell O.
Dolmetsch, Carl R.
Dort, Robert G.
Dreyfus, Camille, Andersen, and Kojevnikoff.
Dreyfus, Camille, Seymour, and Ward.
Dreyfus, Henry.
Elvin, William J., and Stahl.
Esmond, William G.
Finlayson, Donald, and Crawshaw.
Fisher, James W., and Wheatley.
Fuhrer, Raymond A., Roughsedge, and Lustig.
Grady, Charles B., Jr.
Hill, Frank B., and Hitchin.
Hunter, Robert L., and Cramer.
Irany, Ernest P., and Noether.
Keight, Albert W., and Sutherland.
Kinsella, Edward.
Landau, Edward F., and Irany.
Martin, Mervin E., and Andrews.
Martin, Mervin E., and Umansky.
Martin, Mervin E., Reed, and Thomas.
McFarlane, Samuel B.
Mellor, Albert, and Mann.
Mellor, Albert, Mann, Finlayson, and Morledge-Hadfield.
Miller, Samuel A.
Moeller, William P., and Prichard.
Myles, William J.
Myles, William J., and Prichard.
Olpin, Henry C., and House.
Olpin, Henry C., and Law.
Olpin, Henry C., and Wesson.
Olpin, Henry C., House, and Wright.
Olpin, Henry C., Law, and Gibson.
Paffen, Fred W., and Cornelius.
Paist, Walter D.
Paist, Walter D., and Berardinelli.
Pool, William.
Pratt, Robert H., and Underwood.
Prichard, John H.
Rainalter, Herman, and Ensor.
Roberts, Robert P., and Jones.
Robertson, Nat C.
Rowley, Robert D.
Rowley, Robert D., and Thompson.
Schneider, George, and Steinberger.
Schweizer, Ernest.
Scull, Frank R.
Seymour, George W., and Duke.
Seymour, George W., and Miller.
Seymour, George W., and Salvin.
Seymour, George W., Elvin, and Miller.
Seymour, George W., Salvin, and Jones.
Seymour, George W., White, and Barabash.
Seymour, George W., White, and Bellucci.
Seymour, George W., White, and Davis.
Seymour, George W., White, and Rosen.
Shuman, Royal L.
Sitzler, Richard R.
Sitzler, Richard R., and Dennison.
Smith, Gordon E., and Hunter.
Smith, Harry E.
Soussloff, Dimitri G., and Haag.
Sowter, Percy F. C.
Stutzenberger, Adin L., and Jeffries.
Sutherland, Frederick F., and Stearn.
Taylor, David, and Ward.
Thurman, Peter J., and Downing.
Ward, George C., and Genazzani.
Wesson, Alexander J., and Olpin.
Whitehead, William.
Whitehead, William, and Steiding.
Woodman, Thomas C.
Young, Donald P.
- Celec, Charles J.: *See—*
Celec, Joseph and C. J.
- Celec, Joseph and C. J., Chicago, Ill. Device for holding window sashes in open position. 2,492,522, Dec. 27.
- Celenza, John A., Cleveland, Ohio. Hydraulic ram. 2,487,920, Nov. 15.
- Cella, G., Inc., assignee: *See—*
Bianchi, Henry E.
- Cellon Corporation, assignee: *See—*
Carney, Clifford R.
- Celluplastic Corporation, assignee: *See—*
Rodman, Isaac P., Jr.
- Celon Company, The, assignee: *See—*
Treeck, Louis.
- Celotex Corporation, The, assignee: *See—*
Burt, George H.
Muench, Carl G.
- Celva, Walter G., Denver, Colo., assignor to American Telephone and Telegraph Company. Aligning type pallets. 2,481,081, Sept. 6.
- Cemenstone Corporation, The, assignee: *See—*
Henderson, Albert.
- Center, Clare E.: *See—*
Ankenman, Earl B., and Center.
- Central Can Company, assignee: *See—*
Colby, Gordon B.

- Central Commercial Company, assignee: *See*—
Langer, Nicholas.
Larsen, Merwin J.
Larsen, Merwin J., Erickson, and Anderson.
Oswald, James A.
- Central Foundry Company, The, assignee: *See*—
Nolan, John J., Jr.
- Central Industrial Corporation, assignee: *See*—
Borden, Philip H.
- Central National Bank of Cleveland, assignee: *See*—
Goss, Harold J.
- Central National Bank of Cleveland, executor: *See*—
Martin, Stoddard B.
- Central Scientific Company, assignee: *See*—
Steinhaus, David.
- Central Soya Company, Inc., assignee: *See*—
Burnett, Raymond S., and Gunther.
Turner, John R.
- Central States Paper & Bag Company, assignee: *See*—
Abramson, Alvin A.
- Centre d'Etudes M. B. A. (Mecanique, Balistique Arme-
ment), assignee: *See*—
Gourdon, Robert.
- Centre National de la Recherche Scientifique, assignee:
See—
Felici, Noël.
- Centrifugal & Mechanical Industries, Inc., assignee: *See*—
Howe, Andrew F.
- Centro Research Laboratories, Inc., assignee: *See*—
Mahren, Arthur A.
- Centro Research Laboratories, Incorporated, assignee:
See—
Smith, Howard E., and O'Halloran.
- Century Electric Company, assignee: *See*—
O'Daniel, Clarence.
- Century Lightin, Inc., assignee: *See*—
McCandless, Stanley.
- Ceperly, Walter R., Chicago, Ill. Tubular medicator.
2,479,062, Aug. 16.
- Ceresa, Myron: *See*—
Jernstedt, George W., and Ceresa.
- Cerny, Joseph A., Cleveland, and F. R. Higley, Cleveland
Heights, assignors, by mesne assignments, to Affiliated
Gas Equipment, Inc., Cleveland, Ohio. Safety control
for oven pilots and main burners. 2,487,963, Nov. 15.
- Cerny, Oswald J., Osceola, Nebr. Carrying truck for disk
cultivators. 2,479,099, Aug. 16.
- Cerrato, Dominic A., Newark, N. J. Brassière. 2,491,299,
Dec. 13.
- Cerruti, Richard C., Oakland, assignor to California Pack-
ing Corporation, San Francisco, Calif. Transfer mech-
anism. 2,459,264, Jan. 18.
- Certain-teed Products Corporation, assignee: *See*—
Solissa, John A.
- Cervellone, Fred, New York, N. Y. Adjustable window
casing. 2,460,677, Feb. 1.
- Cesareo, Orfeo, Washington Township, Bergen County,
N. J., assignor to Bell Telephone Laboratories, In-
corporated, New York, N. Y. Radio object locating
training device with error indication. 2,492,356,
Dec. 27.
- Chaban, Charles J., assignor, by mesne assignments, to
Stabelan Chemical Company, Toledo, Ohio. Treatment
of polymerized chloro-substituted ethylenes. 2,487,099,
Nov. 8.
- Chabbert, Henri, Pau Basses-Pyrenees, France, assignor
to K. T. Caplinger, Seattle, Wash. Control mechanism
for the opening and closing of containers. 2,463,086,
Mar. 1.
- Chace, Edward G.: *See*—
Wilcock, Donald F., and Chace.
- Chace, Paul G., Attleboro Falls, assignor to Metals & Con-
trols Corporation, Attleboro, Mass. Corrosion-resisting
thermostat metal. 2,461,518, Feb. 15.
- Chace, Paul G., Attleboro Falls, assignor to Metals and
Controls Corporation, Attleboro, Mass. Corrosion-
resisting composite metal. 2,482,897, Sept. 27.
- Chace, Paul G., Attleboro Falls, assignor to Metals and
Controls Corporation, Attleboro, Mass. Corrosion-
resisting composite metal. 2,482,898, Sept. 27.
- Chace, Paul G., Attleboro Falls, assignor to Metals and
Controls Corporation, Attleboro, Mass. Corrosion-
resisting composite metal. 2,482,899, Sept. 27.
- Chace, Thomas B., Winnetka, assignor to The Dole Valve
Company, Chicago, Ill. Fluid control system and
mechanism. 2,458,978, Jan. 11.
- Chace, Thomas B., Winnetka, assignor to The Dole Valve
Company, Chicago, Ill. Fluid control device and sys-
tem. 2,466,377, Apr. 5.
- Chace, W. M. Company, assignee: *See*—
Alban, Clarence F.
- Chadder, William J.: *See*—
Rider, Douglas, and Chadder.
- Chadsey Corporation, assignee: *See*—
Chadsey, George R.
- Chadsey, George R., East Hampton, Conn.; I. M. Davis,
and I. D. Dickerson, Middletown, executrices of said
G. R. Chadsey, deceased, assignor to Chadsey Corpora-
tion, Hartford, Conn. Bulb manipulating device.
2,473,008, June 14.
- Chadsey, George R., East Hampton, Conn.; I. M. Davis,
and I. D. Dickerson, Middletown, executrices of said
G. R. Chadsey, deceased, assignor to Chadsey Corpora-
tion, Hartford, Conn. Bulb socket manipulator.
2,473,009, June 14.
- Chadwick, Albert F., Westfield, N. J., assignor to E. I.
du Pont de Nemours & Company, Wilmington, Del.
Producing methylol derivatives of pyrrole. 2,492,414,
Dec. 27.
- Chadwick, Lee S., Shaker Heights, assignor to Perfection
method for making a plastic composition and product.
2,460,571, Feb. 1.
- Chaffee, Edmund L., Milwaukee, Wis. Machine for separ-
ating spent hops from wort. 2,471,517, May 31.
- Chaffee, Floyd O., South Gate, Calif. Injection device.
2,471,142, May 24.
- Chaffee, Randolph W., Normandy, Mo. Apparatus and
Stove Company, Cleveland, Ohio. Chuck. 2,461,628,
Feb. 15.
- Cha-Gobe Company, The, assignee: *See*—
Stotz, Charles K.
- Chain Belt Company, assignee: *See*—
Eickstaedt, Edwin A. C.
Fleischmann, George A.
Goettings, Walter J.
Hilkemeier, Louis G.
Hilkemeier, Louis G., and Hahn.
Lind, Arthur C.
Longenecker, Charles I.
McMillan, Andrew.
Miller, Arthur E., and Eickstaedt.
Miller, Arthur E., Viall, and Lindow.
Olson, Albert M.
Sivyer, Benjamin E.
Smith, Horace L., Jr.
- Chain, John T.: *See*—
Kirby, Donald T., and Chain.
- Chakiris, Demetrius G.: *See*—
Wetzel, Joseph L., Chakiris, and Poorman.
- Chalberg, Harry W. A., Berne, N. Y., assignor to General
Electric Company. Electric temperature control.
2,475,309, July 5.
- Chalfant, Theodore J., New Carlisle, and G. W. Haschke,
Dayton, Ohio. Impact dampener for aircraft landing
gear. 2,462,844, Mar. 1.
- Chalk, Bennett, Far Rockaway, N. Y. Truss. 2,469,260,
May 3.
- Challet, Etienne, assignor to Entreprises Electriques Fri-
bourgeoises, Fribourg, Switzerland. Solid electric
heating plate. 2,458,251, Jan. 4.
- Chalmers, David B., Beaver, assignor to Treadwell Con-
struction Company, Midland, Pa. Coupling mechanism.
2,477,476, July 26.
- Chalmers, John, Edinburgh, Scotland. Printing machine.
2,483,260, Sept. 27.
- Chalmers, John W., Deptford, assignor to Molins Machine
Company, Limited, London, England. Box. 2,468,543,
Apr. 26.
- Chamberlain, Dorothy: *See*—
Chamberlain, Jerry C.
- Chamberlain, George H. N.: *See*—
Williams, Charles G., and Chamberlain.
- Chamberlain, H. S., assignee: *See*—
Chamberlain, Jerry C.
- Chamberlain, Jerry C., assignor of one-fourth to H. S.
Chamberlain and one-fourth to D. Chamberlain, Phoenix,
Ariz. Automatic transmission. 2,459,363, Jan. 18.
- Chamberlain, Kenneth P., Chester, Pa., assignor to Gates
Engineering Company. Counterboring tool. 2,492,783,
Dec. 27.
- Chamberlin, John W., Mequon, Wis., assignor to Bendix
Home Appliances, Inc., South Bend, Ind. Stabilizer for
washing machines. 2,466,153, Apr. 5.
- Chamberlin, Reginald H. D., and C. H. L. Wynne, London,
and J. S. Northolt, assignors to D. Napier & Son Limited,
London, England. Apparatus for metering the fuel
supplied to prime movers. 2,474,033, June 21.
- Chamberlin, Reginald H. D., and C. H. L. Wynne, Lon-
don, and J. Skellern, Northolt, assignors to D. Napier
& Son Limited, London, England. Fuel feed apparatus
for gas turbines. 2,479,813, Aug. 23.
- Chamberlin, Richard: *See*—
Drieschman, Donald, and Chamberlin.
- Chamberlin, Richard, assignor to Eitel-McCullough, Inc.,
San Bruno, Calif. Resilient contact structure for elec-
tron tubes. 2,482,839, Sept. 27.
- Chambers, Albert M., Jr., assignor to The Garlock Pack-
ing Company, Palmyra, N. Y. Oil seal. 2,466,533,
Apr. 5.
- Chambers, Allen, assignee: *See*—
Gearhart, Roy E.
- Chambers, Carl C., Media, and R. M. Showers, Philadel-
phia, Pa., assignors, by mesne assignments, to the United
States of America as represented by the Secretary of
War. Periodic signaling apparatus. 2,468,483, Apr. 26.
- Chambers, Gordon M., Albany, N. Y. Electric fluid heater.
2,463,853, Mar. 8.
- Chambers, Joseph A., Memphis, Tenn. Dispensing ma-
chine. 2,461,197, Feb. 8.
- Chambers, Thomas S., and R. T. Florence, assignors to
A. B. Dick Company, Chicago, Ill. Stencil duplicating
inks. 2,479,037, Aug. 16.

- Chambers, Thomas S., Newark, and O. C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company. Electrodepositing lead on copper from a nitrate bath. 2,453,258, Oct. 18.
- Chambers, William J., Chicago, Ill. Apparatus for vacuum sealing canned food. 2,457,867, Jan. 4.
- Chambon Limited, assignee: *See*—
Aidshead, Charles W.
- Champagnat, Alfred, assignor to Societe Generale des Huiles de Petrole, Paris, France. Refining of liquid hydrocarbons. 2,481,570, Sept. 13.
- Champagnat, Alfred, and R. Willer, assignors to Societe Generale des Huiles de Petrole, Paris, France. Manufacturing a synthetic resin from red oil, a coal-tar distillate. 2,487,309, Nov. 8.
- Champagne, John H., Milwaukee, Wis. Combined shaving brush and shaving cream dispenser. 2,482,653, Sept. 20.
- Champayne, Edmund F.: *See*—
Christ, Charles L., and Champayne.
- Champayne, Edmund F., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. High-temperature X-ray diffraction camera. 2,479,471, Aug. 16.
- Champayne, Edmund F., Noroton Heights, C. L. Christ, Old Greenwich, and R. B. Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. X-ray diffraction photometer. 2,490,673, Dec. 6.
- Champayne, Roy J., Rockford, Ill. Rubbing shoe. 2,475,476, July 5.
- Champion Paper and Fibre Company, The, assignee: *See*—
Boyer, Frederick G. L.
Lauderman, Vincent A.
- Champion Spark Plug Company, assignee: *See*—
Christie, Robert K.
- Champion, William J.: *See*—
Levenhagen, Arthur J., and Champion.
- Champ-Item, Inc., assignee: *See*—
Mohme, Edward H. V.
- Chance, A. B., Company, assignee: *See*—
Hubbard, David C.
Linde, Leonard J.
- Chance, Britton, Mantoloking, N. J. Magnetic compass stabilizer. 2,463,245, Mar. 1.
- Chance Brothers Limited, assignee: *See*—
Allison, Andrew.
- Chance, Franklin S.: *See*—
Kvalnes, Hamline M., and Chance.
- Chancellor, William A., Lizella, assignor of one-half to O. J. Jenkins, Macon, Ga. Lubricator for air compressors and the like. 2,475,075, July 5.
- Chandeysson, Pierre L., St. Louis, Mo. Dynamoelectric machine. 2,470,845, May 24.
- Chandler, Edward F., Brooklyn, assignor to Pitometer Log Corporation, New York, N. Y. Square root extracting device. 2,487,310, Nov. 8.
- Chandler, Harry L., Portland, Ore. Sickbed waste receptacle holder. 2,471,309, May 24.
- Chandler, James H., Oak Park, Ill., assignor to Ekco Products Company. Strainer. 2,464,921, Mar. 22.
- Chandler, Johanna M., Westport, Conn. Garment. 2,464,025, Mar. 8.
- Chandler, Marshall R., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making electrical measurements. 2,485,863, Oct. 25.
- Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,482,401, Sept. 20.
- Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,485,430, Oct. 18.
- Chandler & Price Company, The, assignee: *See*—
Root, Charles F.
Rupp, William C.
- Chaney, Allen L.: *See*—
Buckley, Donald J., and Chaney.
- Chaney, Lucian W.: *See*—
Abbott, Ernest J., Chaney, and Bragg.
- Chaney Manufacturing Company, The, assignee: *See*—
Welch, William E.
- Chanfrau, Ralph P., Phoebus, Va. Apparatus for scribing instruments. 2,482,743, Sept. 27.
- Channel Master Corporation, assignee: *See*—
Resnick, Joseph Y.
- Chanowitz, Harry, Chicago, assignor to D. T. Siegel, Wheaton, Ill. Welding apparatus. 2,460,807, Feb. 8.
- Chanowitz, Harry, Chicago, assignor to D. T. Siegel, Wheaton, Ill. Welding method and apparatus. 2,479,556, Aug. 23.
- Chanowitz, Harry, Chicago, assignor to D. T. Siegel, Wheaton, Ill. Rheostat structure and molding. 2,479,557, Aug. 23.
- Chanslor, Elleen B. and H., Los Angeles, Calif. Utility apron handbag. 2,466,208, Apr. 5.
- Chanslor, Hal: *See*—
Chanslor, Elleen B. and H.
- Chao, Tsat H., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Agglomerating crystalline solids. 2,475,582, July 12.
- Chapin, Chester W., deceased; H. W. Chapin and S. C. Mackabee, administratrices, assignors (individually and as administratrices), to Allied Mills, Inc., Chicago, Ill. Expanded plant product and making same. 2,489,267, Nov. 29.
- Chapin, Edward K., Chicago, Ill. Dry egg composition. 2,479,310, Aug. 16.
- Chapin, Helen W., administratrix: *See*—
Chapin, Chester W.
- Chapin, Irving F.: *See*—
Du Bois, William H., and Chapin.
- Chapin, Jack R., Salem, Ore. Irrigation pipe coupler. 2,465,708, Mar. 29.
- Chapin, Jack R., Salem, Ore. Irrigation pipe coupler. 2,487,311, Nov. 8.
- Chapin, John L., Jr.: *See*—
Hill, Myron F., F. A. Hill, 2nd, and Chapin.
- Chapin, Reynold S., Flushing, assignor to Press Wireless, Inc., New York, N. Y. Keying control system. 2,460,061, Jan. 25.
- Chapin, Reynold S., Flushing, assignor to Press Wireless, Inc., New York, N. Y. Frequency shift tuning indicator system. 2,477,962, Aug. 2.
- Chapin, Reynold S., Flushing, assignor to Press Wireless, Inc., New York, N. Y. Frequency discriminator for carrier shaft signaling systems and the like. 2,477,963, Aug. 2.
- Chaplin, Henry A.: *See*—
Hoffman, Louis, and Chaplin.
- Chaplin, Herbert E.: *See*—
Hilton, Louis M., and Chaplin.
- Chaplin, Merle P., South Portland, Maine. Molded pulp apparatus and method. 2,471,932, May 31.
- Chapman, Alan T., Clifton, N. J., and V. F. D'Agostino, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y. Treating material in laminar form. 2,475,877, July 12.
- Chapman, Charles C., near Oklahoma City, Okla., and H. V. Hendrix, Borger, Tex., assignors to Phillips Petroleum Company. Production of catalysts of the silica-alumina type. 2,470,142, May 17.
- Chapman, Clarence E.: *See*—
Wixon, Paul E., and Chapman.
- Chapman, Edgar W.: *See*—
Liles, Lewis R., and Chapman.
- Chapman, Everett, West Chester, Pa., and J. Barraja-Frauenfelder, Schenectady, assignors to American Locomotive Company, New York, N. Y. Engine frame construction. 2,486,927, Nov. 1.
- Chapman, Frederick B., South Hamilton, Mass. Pencil pointer. 2,483,261, Sept. 27.
- Chapman, Gavin H., assignee: *See*—
Wallace, William.
- Chapman, Harold P., Columbus, assignor of one-half to E. F. Mangold, London, Ohio. Electrically actuated heater. 2,471,259, May 24.
- Chapman, Harold P., Columbus, assignor of one-half to E. F. Mangold, London, Ohio. Electrical fluid heater. 2,471,260, May 24.
- Chapman, James E., Los Angeles, assignor to The Garrett Corporation, Ailresearch Manufacturing Company Division, Inglewood, Calif. Electrical jack and control means. 2,482,464, Sept. 20.
- Chapman, John J.: *See*—
Camilli, Guglielmo, Montsinger, and Chapman.
- Chapman, Norman B.: *See*—
McCombie, Hamilton, Saunders, Chapman, and Heap.
- Chapman, Ralph, Corvallis, Ore. Freezer shelf-coil arrangement. 2,490,995, Dec. 13.
- Chapman Valve Manufacturing Co., The, assignee: *See*—
Malcolm, Vincent T.
- Chapo, John, Long Island City, N. Y. Musical instrument. 2,459,500, Jan. 18.
- Chappell, Jesse L., St. Louis, Mo. Auxiliary nose pad for spectacles. 2,476,697, July 19.
- Chappell, Robert E., C. M. Beamer, and R. B. Duff, Baton Rouge, La., assignors to Standard Oil Development Company. Conduit for corrosive fluids. 2,464,487, Mar. 15.
- Charap, Norman N., Brooklyn, N. Y. Selective station electrical outlet molding. 2,464,964, Mar. 22.
- Charbeneau, Ralph C., Mount Clemens, Mich., assignor to R. E. Watson, Pamlico County, N. C. Nursing bottle holder. 2,469,859, May 10.
- Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric immersion heater. 2,471,609, May 31.
- Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Tubular heater terminal seal. 2,480,903, Sept. 6.
- Charbonneau, Allan P., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric tubular heater terminal seal. 2,489,998, Nov. 29.
- Charest, Alfred, Woonsocket, R. I. Game board for displaying three like elements in a row. 2,483,878, Oct. 4.
- Charland, Albert H., Rosemont, assignor to Philco Corporation, Philadelphia, Pa. Heat exchange system for heating and cooling. 2,487,851, Nov. 15.
- Charles, Artis E., Guntersville, Ala., assignor to Carolyn Chenilles, Inc., New York, N. Y. Tufting machine. 2,478,743, Aug. 9.

- Charles, Frank R.: *See*—
Dossé, René E. and Charles.
- Charles, George K., Wincanton, England. Tape severing device. 2,471,310, May 24.
- Charles, George K., Wincanton, England. Apparatus for applying adhesive strip to cans or other containers. 2,475,076, July 5.
- Charles, John O., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Apparatus for making wire rope of preformed flattened strands. 2,476,180, July 12.
- Charles, Robert F., South Acton, and F. W. Durgin, Natick, assignors to Dennison Manufacturing Company, Framingham, Mass. Creped paper and making. 2,459,364, Jan. 18.
- Charlin, André M. B., Montrouge, France. Picture centering mechanism for motion-picture projection apparatus. 2,458,346, Jan. 4.
- Charlin, André M. B., Montrouge, France. Electrochemical condenser. 2,488,763, Nov. 22.
- Charlop, Elliot, New York, N. Y. Package opener. 2,470,236, May 17.
- Charlton Company, Inc., assignee: *See*—
Catalini, Domenic.
- Charlton, Ralph W., Verona, N. J., and F. X. Rovito, Brooklyn, N. Y., assignors to Congoleum-Nairn Inc. Embossing of composition surfaced coverings. 2,482,154, Sept. 20.
- Charman, Walter M., Shaker Heights, and B. F. Anthony, Cleveland Heights, assignors to The Ferro Engineering Company, Cleveland, Ohio. Insulating cover. 2,462,255, Feb. 22.
- Charman, Walter M., Shaker Heights, and B. F. Anthony, Cleveland Heights; said Anthony assignor to The Ferro Engineering Company, Cleveland, Ohio. Insulating cover. 2,462,256, Feb. 22.
- Charles, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Sectional curing bag and making same. 2,476,817, July 19.
- Charpentier, Paul, Choisy-le-Roi, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Alkylene dihalide salts of *n*-dialkylamino-alkyl-phenothiazines and their production. 2,480,355, Aug. 30.
- Charrier, Marc F., Monticello, N. Y. Gas producer. 2,462,720, Feb. 22.
- Charrin, Paul, Houston, Tex. Gun perforator. 2,488,803, Nov. 22.
- Charron, Robert R.: *See*—
Cournoyer, Charles E., and Charron.
- Charteris, Leslie, Los Angeles, Calif. Shower stall construction. 2,466,378, Apr. 5.
- Charters, George W., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Mechanical off-bearing flared rolls. 2,468,036, Apr. 26.
- Charton, Paul W., Montclair, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Grid controlled electron tube. 2,460,062, Jan. 25.
- Charvat, Vernon K.: *See*—
Peterson, Ruben O., and Charvat.
- Chase Brass & Copper Co. Incorporated, assignee: *See*—
Crampton, Donald K., and Wood.
- Croft, Harry P., and Dunn.
- Hallberg, August W.
- Petersen, Paul E.
- Reichenbach, Howard F.
- Vanderweil, Raimund G.
- Chase, Earle M., Springfield, assignor to Porter-McLeod Machine Tool Co., Inc., Hatfield, Mass. Abrasive apparatus. 2,460,250, Jan. 25.
- Chase, Henry A., Newtonville, assignor to Cummings Machine Works, Boston, Mass. Portable power actuated rim-driven annular saw. 2,490,255, Dec. 6.
- Chase, Leland H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of War. Concussion detonator. 2,465,009, Mar. 22.
- Chase, Kenneth J., Wilmington, Mass. Telltale for frozen food packages. 2,460,215, Jan. 25.
- Chase, Paul G., Attleboro Falls, assignor to Metals and Controls Corporation, Attleboro, Mass. Corrosion-resisting composite metal. 2,482,900, Sept. 27.
- Chase, Ralph S., and D. M. Park, assignors, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill. Reversible bucket seat pad for chairs. 2,468,587, Apr. 26.
- Chase, Theron P., assignor to General Motors Corporation, Detroit, Mich. Brake drum cooling and silencing device. 2,489,522, Nov. 29.
- Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Connecting rod. 2,478,041, Aug. 2.
- Chassaing, Pierre: *See*—
Maincon, Maurice, and Chassaing.
- Chateaufort, Archie J., Lockport, N. Y. Containner. 2,458,834, Jan. 11.
- Chatfield, Franklin, assignor to Munsingwear, Inc., Minneapolis, Minn. Men's undergarment. 2,491,250, Dec. 13.
- Chatham, Newton L., Olean, N. Y. Coupling. 2,465,197, Mar. 22.
- Chatillon, John, & Sons, assignee: *See*—
Boos, Adolph.
- Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio communication system. 2,462,069, Feb. 22.
- Chatterjea, Prafulla K., and S. J. Powers, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Hermetically sealed electric insulator. 2,462,070, Feb. 22.
- Chatterjea, Prafulla K., D. M. Ambrose and J. K. Beney, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Generation of electric pulses. 2,462,071, Feb. 22.
- Chatterjea, Prafulla K., and C. T. Scully, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Control circuit using high-temperature coefficient resistance elements. 2,465,352, Mar. 29.
- Chatterjea, Prafulla K., L. W. Houghton, and C. T. Scully, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermistor circuit compensating for supply voltage fluctuations. 2,468,082, Apr. 26.
- Chatterjea, Prafulla K., and C. T. Scully, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Pulse signaling system. 2,476,959, July 26.
- Chatterjea, Prafulla K., and D. M. Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical communication system. 2,489,268, Nov. 29.
- Chatterjea, Prafulla K., and S. J. Powers, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Manufacture of quartz crystal assemblies. 2,492,357, Dec. 27.
- Chatterton, Lloyd N., Cleveland, Ohio. Securing device. 2,458,252, Jan. 4.
- Chatterton, Neil, assignor to The Neil Chatterton Associates, Oswego, N. Y. Combination curtain, drapery, and shade fixture. 2,459,619, Jan. 18.
- Chatterton, Neil, Associates, The, assignee: *See*—
Chatterton, Neil.
- Chatterton, Robert T., Chappaqua, assignor to American Can Company, New York, N. Y. Method and apparatus for feeding sheets. 2,474,141, June 21.
- Chaudoir, Kirby J., Sr., Alexandria, La. Exercising device. 2,484,153, Oct. 11.
- Chaudron, Percy O., Cedartown, Ga. Individual tea and coffee service. 2,469,032, May 3.
- Chaulk, John A., and J. Dautel, Oklahoma City, Okla., E. L. Dautel, sole heir of J. Dautel, deceased, assignor to R. Chaulk, Oklahoma City, Okla. Electric key lock. 2,475,220, July 5.
- Chaulk, Ray, assignee: *See*—
Chaulk, John A., and Dautel.
- Chaurmerliac, André, Asnieres, assignor to E. Gauthier, Malakoff (Seine) France. Indicator of fluid flow. 2,483,965, Oct. 4.
- Chaussé, Joseph A., Meriden, Conn. Computing indicating device. 2,486,463, Nov. 1.
- Chausse, Wilfred G., Detroit, Mich. Heated tank construction for tank vehicles. 2,490,028, Dec. 6.
- Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Landing shock absorber. 2,475,477, July 5.
- Chavannes Industrial Synthetics, Inc., assignee: *See*—
Chavannes, Marc A.
- Chavannes, Marc A., and Sherry.
- Chavannes, Marc A., Lisbon, Conn., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y. Producing films bearing designs. 2,486,258, Oct. 25.
- Chavannes, Marc A., Lisbon, Conn. Printing on thermoplastic sheetlike material. 2,486,259, Oct. 25.
- Chavannes, Marc A., Lisbon, and A. B. Sherry, Hartford, Conn., assignors to Chavannes Industrial Synthetics, Inc., New York, N. Y. Producing films bearing designs. 2,482,094, Sept. 20.
- Chaya, John S.: *See*—
Smith, Robert A., and Chaya.
- Chechak, Albert J.: *See*—
Weisler, Leonard, and Chechak.
- Chechak, Jonas J.: *See*—
Fierke, Scheuring S., and Chechak.
- Chedister, Conkling, Livingston, N. J., assignor to Eugene, Ltd., Brooklyn, N. Y. Curler and clamp. 2,465,515, Mar. 29.
- Cheeseman, Charles H., assignor to Markem Machine Company, Keene, N. H. Machine for printing on cylindrical articles. 2,468,427, Apr. 26.
- Cheeseman, Ralph T., Lynn, and E. A. Harty, Marblehead, Mass., assignors to General Electric Company. Rectifier terminal device. 2,467,811, Apr. 19.
- Chegwidden, Raymond A.: *See*—
Ashworth, Joseph A., and Chegwidden.
- Chemel, Joseph S., Tulsa, Okla. Film magazine for motion-picture projection. 2,464,965, Mar. 22.
- Chemical Construction Corporation, assignee: *See*—
Beardsley, Alling P.
- Strelzof, Samuel.

- Chemical Process Company, assignee: *See*—
Mills, Gordon F.
- Chemlinski, Raymond, Schenectady, N. Y. Combined bottle container and support. 2,458,766, Jan. 11.
- Chemlinski, Raymond, Schenectady, N. Y. Carton for ink bottles. 2,481,571, Sept. 13.
- Chemlinski, Raymond, Schenectady, N. Y. Carton. 2,486,554, Nov. 1.
- Chemprotin Products, assignee: *See*—
Lowen, Leslie.
- Cheney Bigelow Wire Works, assignee: *See*—
Engert, George A.
- Cheney Bigelow Wire Works Incorporated, assignee: *See*—
Breyfogle, Roy H.
- Cheney, Charles W., Soho, Birmingham, England. Key locked fastenings for attaché cases and the like. 2,459,683, Jan. 18.
- Cheney, Charles W., Soho, Birmingham, England. Band clip having closing worm gear. 2,477,045, July 26.
- Cheney, Harry A.: *See*—
Nixon, Alan C., Lehwalder, and Cheney.
- Cheney, Lee C., and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. 2'-keto-3,4-imidazo-olido-2-thiophene-valeric acid and obtaining the same. 2,466,004, Apr. 5.
- Cheney, Lee C., and J. R. Piening, assignors to Parke, Davis & Company, Detroit, Mich. Carboalkoxyalkylcarboalkoxy sulfides. 2,468,426, Apr. 26.
- Cheney, R. C., assignee: *See*—
Hopkins, Jerold W.
- Chenicek, Joseph A.: *See*—
Thompson, Ralph B., and Chenicek.
- Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Motor fuel. 2,485,696, Oct. 25.
- Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,464,291, Mar. 15.
- Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of alkyl halides. 2,467,963, Apr. 19.
- Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treating cracked gasoline to remove metals. 2,470,887, May 24.
- Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of arsenic trichloride. 2,485,697, Oct. 25.
- Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Desulfurization of hydrocarbons with fluosulfonic acid. 2,486,519, Nov. 1.
- Chenicek, Joseph A., and R. B. Thompson, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,492,335, Dec. 27.
- Chenillat, Michel: *See*—
Ardoin, Aime, and Chenillat.
- Chensky, Frank T., Andalusia, Ala. Holder for fruit and vegetables. 2,485,035, Oct. 18.
- Cherem, Gabriel A., Detroit, Mich. Guard for painters' use. 2,484,607, Oct. 11.
- Chernack, Abel E., Falls Village, Conn.; M. Chernack, executrix of said A. E. Chernack, deceased, assignor, by mesne assignments, to Wiremold Company, Hartford, Conn. Hose. 2,475,591, July 12.
- Chernack, Mary, executrix: *See*—
Chernack, Abel E.
- Cherney, Michael, North Tarrytown, assignor of one-half to J. B. Danis, New City, N. Y. Digit indicator for slide rules. 2,468,812, May 3.
- Cherones, William J.: *See*—
Jacobs, Henry S., and Cherones.
- Chèrouvrier, Georges: *See*—
Zahner, Gilbert, and Chèrouvrier.
- Cherriere, Joseph P., Hamilton, Ontario, Canada. Fishing float. 2,492,033, Dec. 20.
- Cherry-Burrell Corporation, assignee: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.
- Kendall, Ira H.
- Cherry, Carl W.; L. Cherry, administratrix of said C. W. Cherry, deceased, Carmel, Calif. Rivet steam puller and cutter. 2,467,610, Apr. 19.
- Cherry, George L., Western Springs, and W. J. Scott, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding stepped cylindrical articles. 2,488,581, Nov. 22.
- Cherry, Gladstone, assignee: *See*—
Nelson, Burton E.
- Cherry, Howard J., Sylacauga, Ala. Harness actuated stop motion. 2,465,575, Mar. 29.
- Cherry, Lena, administratrix: *See*—
Cherry, Carl W.
- Cherry, Lloyd B., Abilene, Tex., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,480,713, Aug. 30.
- Cherry, Lloyd B., Beaumont, Tex., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Recalibrating motor control system. 2,489,999, Nov. 29.
- Cherry, Lloyd B., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Power regulating bridge network. 2,481,905, Sept. 13.
- Cherry, Ralph E.: *See*—
Hawley, Frank M., and Cherry.
- Cherry Rivet Company, assignee: *See*—
Shaff, Ernest H.
- Cherry, Willie K., Orangeburg, S. C. Transplanter drill set. 2,475,078, July 5.
- Chervenka, George R.: *See*—
Albach, Frank, and Chervenka.
- Cheshire, Arthur, Cottingham, assignor to Richard Hodgson and Sons Limited, Beverley, England. Preserving vegetable tanned leather. 2,471,022, May 24.
- Chesnut, James A.: *See*—
Holland, William E., Stanley, and Chesnut.
- Chesser, Cecil E., Hebron, and T. H. Cline, assignors to Newark Stove Company, Newark, Ohio. Adjustable broiler. 2,477,721, Aug. 2.
- Chesser, Cecil E., Hebron, and T. H. Cline, assignors to Newark Stove Company, Newark, Ohio. Adjustable deep-well cooker. 2,485,698, Oct. 25.
- Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Reaction products of gelatin and aldonic acids and making same. 2,458,504, Jan. 11.
- Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Zinc electroplating. 2,461,809, Feb. 15.
- Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Electroplating baths and the electrodeposition of zinc. 2,479,670, Aug. 23.
- Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Zinc electroplating compositions and the electrodeposition of zinc. 2,485,563, Oct. 25.
- Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Reaction product of naphthylamine and aldonic acids. 2,485,564, Oct. 25.
- Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Cadmium plating. 2,485,565, Oct. 25.
- Chester, Carroll W., Los Angeles, Calif. Size adaption for automobile exhaust pipe extensions and the like. 2,459,918, Jan. 25.
- Chester, Carroll W., Los Angeles, Calif. Exhaust pipe extension. 2,489,480, Nov. 29.
- Chester, Carroll W., Los Angeles, Calif. Exhaust pipe extension. 2,489,481, Nov. 29.
- Chester, Frank R., Santa Monica, Calif. Knife sharpener. 2,477,860, Aug. 2.
- Chesus, Frank O.: *See*—
Marchand, Nathan, and Chesus.
- Richardson, Avery G., and Chesus.
- Chesus, Frank O., Jackson Heights, and F. G. Thomas, Islip, N. Y., and C. S. Bednash, Jersey City, N. J., assignors to Federal Telephone and Radio Corporation, Jersey City, N. J. Goniometer. 2,465,353, Mar. 29.
- Chesus, Frank O., Jackson Heights, and F. G. Thomas, Islip, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,480,117, Aug. 30.
- Chevallier, André: *See*—
Cahen, Francois M., Chevallier, and Henriot.
- Chevigny, Paul G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beam type electron discharge device. 2,459,792, Jan. 25.
- Chevigny, Paul G., Paris, France, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Tube construction. 2,462,845, Mar. 1.
- Chevigny, Paul G., Paris, France, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron tube. 2,474,223, June 28.
- Chevigny, Paul G., New York, N. Y., and C. M. Wheeler, Montclair, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Vacuum tube. 2,459,791, Jan. 25.
- Chew-Bittel Co., assignee: *See*—
Eisemann, Elwood H.
- Chew, Thornton W., Washington, D. C. Color television system. 2,473,276, June 14.
- Chew, Thornton W., Washington, D. C. Television camera lens switching device. 2,481,082, Sept. 6.
- Chew, Thornton W., Washington, D. C. Inertia-operated panning device. 2,481,083, Sept. 6.
- Cheyney, La Verne E., assignor to Wingfoot Corporation, Akron, Ohio. Film of copolymer of vinylidene chloride and vinyl chloride. 2,459,125, Jan. 11.
- Cheyney, La Verne E., assignor to Wingfoot Corporation, Akron, Ohio. Rubber hydrochloride film. 2,461,963, Feb. 15.
- Cheyney, La Verne E., and R. J. McCutcheon, assignors to Wingfoot Corporation, Akron, Ohio. Lightweight container. 2,484,608, Oct. 11.
- Chiarizia, Robert L., Saxton, Pa. Needle and thimble holder. 2,460,678, Feb. 1.

- Chicago Bridge & Iron Company, assignee: *See—*
 Allen, John W.
 Arne, Christian.
 Barth, James S.
 Boardman, Harry C.
 Boardman, Harry C., Goldsby, and Orr.
 Boberg, Irving E.
 Dewey, Raymond S.
 Goldsby, Fred L., and Moyer.
 Goldsby, Fred L., and Orr.
 Horton, George T.
 Hudson, William T.
 Larson, Donald E.
 Larson, Donald E., and Arne.
 Lebedeff, Michael N.
 Moyer, Frederick D.
 Rust, Frank P.
 Wissmiller, Ivan L.
- Chicago Coin Machine Co., assignee: *See—*
 Eilenberger, Stanley D.
- Chicago Electric Manufacturing Company, assignee: *See—*
 Stiles, Harry L.
- Chicago Eye Shield Company, assignee: *See—*
 Malcom, Robert L.
- Chicago Faucet Company, assignee: *See—*
 Brown, Frank L., and Steen.
- Chicago Fire Brick Company, assignee: *See—*
 Young, William G.
- Chicago Forging and Manufacturing Company, assignee: *See—*
 Hynes, Dibrell P., and Moss.
- Chicago Metal Hose Corporation, assignee: *See—*
 Farrar, John F. P., and Ekholm.
 Fentress, David W.
 Keller, Sidney, and Fentress.
- Chicago Metallic Manufacturing Company, assignee: *See—*
 Debs, Jerome H.
- Chicago Pneumatic Tool Company, assignee: *See—*
 Amsberg, Lester A.
 Fischer, Howard R.
 Schaedler, Raymond J.
- Chicago Pump Company: *See—*
 Morgan, Philip F.
- Chicago Railway Equipment Company, assignee: *See—*
 Barton, Donald E.
 Bedell, Rodney.
 Busse, Edwin G.
 Seth, Irvin J.
 Ulseth, Thomas M.
 Vedovell, Rudolph J.
 Walker, Glen J.
 Walker, Samuel J., and Spaeth.
- Chicago Rawhide Manufacturing Company, assignee: *See—*
 Gardner, Allen F.
 Isenbarger, Robert O.
 Vedovell, Rudolph J.
- Chicago Specialty Mfg. Co., Inc., assignee: *See—*
 Bachli, Herman, and Shapiro.
- Chicago Telephone Supply Corporation, assignee: *See—*
 Arisman, Mervin B., Vaksvik, nad Magnusen.
- Chicago Title & Trust Company, assignee: *See—*
 Sola, Joseph G.
- Chidester, Gardner H., P. K. Baird, G. E. Mackin, F. A. Simmonds, C. O. Seborg, M. W. Bray, and J. N. McGovern, Madison, Wis.; dedicated to the free use of the people in the territory of the United States. Structural material of compressed resin impregnated paper sheets. 2,482,142, Sept. 20.
- Chidsey, Charles D., assignor to Vickers Incorporated, Detroit, Mich. Servomotor with rotary input and rectilinear output. 2,475,445, July 5.
- Chidsey, Charles A., Jr., Detroit, Mich. Bag stand. 2,470,977, May 24.
- Chiego, Bernard, Newark, N. J. Manicuring implement. 2,464,374, Mar. 15.
- Chiego, Bernard, Newark, N. J. Preparing gum-containing seeds for dehushing. 2,470,750, May 24.
- Chiego, Bernard, Newark, N. J. Preparing gum-containing seeds for dehushing. 2,470,751, May 24.
- Chiesa, Robert R., Johnsonburg, Pa. Magnetic windshield wiper. 2,457,868, Jan. 4.
- Chiger, Arthur, assignor to Times Facsimile Corporation, New York, N. Y. Clamping device for electron tubes and the like. 2,461,198, Feb. 8.
- Chiksan Company, assignee: *See—*
 Warren, Doyle C.
- Chiksan Tool Company, assignee: *See—*
 Warren, Doyle.
- Chilcot, Arthur L., Temperley, and S. Jackson, Chadderton, England. Mounting of electrodes in electric discharge tubes. 2,481,906, Sept. 13.
- Child, Everett S., Barrington, R. I., assignor to United States Rubber Company, New York, N. Y. Connector. 2,469,495, May 10.
- Childers, Clem A., Jr., assignor to The National Radiator Company, Johnstown, Pa. Liquid cooler. 2,486,588, Nov. 1.
- Childers, Harry S., assignor to Vendorlator Manufacturing Company, Fresno, Calif. Refrigerator having condensate disposal means. 2,470,547, May 17.
- Childers, Harry S., assignor to Vendorlator Manufacturing Company, Fresno, Calif. Dispensing apparatus. 2,482,245, Sept. 20.
- Childress, Olven W., Jr.: *See—*
 Foust, Floyd J., Childress, and Whelchel.
- Childs, Robert S., Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Excess pressure protected pressure responsive device. 2,470,288, May 17.
- Childs, Wilfrid C.: *See—*
 Bell, Norman M., and Childs.
- Chillson, Charles W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Propeller governor. 2,474,140, June 21.
- Chilo, Walter E., assignor to Skinner & Kennedy Stationery Co., St. Louis, Mo. Combination fan and mirror. 2,464,292, Mar. 15.
- Chilton, Allan, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Crankshaft and cam drive construction. 2,475,011, July 5.
- Chilton, Ernest G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Probe pressure gun. 2,470,338, May 17.
- Chilton, Floyd M., Sanford, N. C. Oil-burning tobacco curer. 2,476,834, July 19.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Flexible coupling. 2,475,010, July 5.
- Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Dynamic damper. 2,484,073, Oct. 11.
- Chilton, William E.: *See—*
 Dixon, Edward C., and Chilton.
- Chin, Pao-Hsiung: *See—*
 Schneider, Elbert D., and Chin.
- Chinn, George I., Baltimore, Md. Torsion dynamometer. 2,491,251, Dec. 13.
- Chinn, Ronald M., Chicago, Ill. Safety garment. 2,478,239, Aug. 9.
- Chiomes, Nich, assignee: *See—*
 Spartalis, Michael P.
- Chipman Knitting Mills, assignee: *See—*
 McHugh, Joseph P.
- Chirelstein, Nathan, Maplewood, N. J. Manufacturing attachment plugs. 2,473,570, June 21.
- Chisholm, Douglas S., and T. Griswold, Jr., assignors to The Dow Chemical Company, Midland, Mich. Apparatus for metals distillation. 2,458,253, Jan. 4.
- Chisholm-Ryder Company, Incorporated, assignee: *See—*
 Benson, George O.
 Hesson, Charles M.
- Chittenden, John P., Bournemouth, assignor to The English Electric Company Limited, London, England. Regulation of steam and exhaust gas turbines. 2,464,434, Mar. 15.
- Chittenden, Windsor N., Maple Heights, Ohio. Chuck. 2,491,605, Dec. 20.
- Chiuchiolo, Frank A., New York, N. Y. Electric wire connection. 2,486,115, Oct. 25.
- Chmiel, Eugene M., Detroit, Mich., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive cement having a butadiene-acrylonitrile copolymer base. 2,491,477, Dec. 20.
- Chodroff, Saul: *See—*
 Pickel, Frank D., Fass, and Chodroff.
- Chodroff, Saul, Brooklyn, N. Y., R. Kapp, Newark, and C. O. Beckmann, Leonia, assignors to Nopco Chemical Company, Harrison, N. J. Preparing beta-phthalimido propane derivatives. 2,492,554, Dec. 27.
- Choice, Frank C.: *See—*
 Bagshaw, Charles M., Choice, and Pratt.
- Cholet, Prosper E., New Brunswick, N. J. Resilient wheel. 2,476,835, July 19.
- Chornock, Francis W.: *See—*
 Strumia, Max M., and Chornock.
- Chou, Ching-Ih, West Webster, N. Y., assignor to Stromberg-Carlson Company. Power supply switching system. 2,473,194, June 14.
- Choudhury, Shafi-uddin Ahmed, Rugby, England, assignor to General Electric Company. Dynamoelectric machine connection. 2,492,734, Dec. 27.
- Chouinard, Albert E., assignor to Gratton & Knight Company, Worcester, Mass. Loom binder. 2,475,943, July 12.
- Chouings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid pressure operated controlling system. 2,472,694, June 7.
- Chouings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. System operated by liquid pressure. 2,472,695, June 7.
- Choules, James A.: *See—*
 Proffitt, Stanley H., and Choules.
- Chovan, Joseph, Kenosha, Wis. Attachable cart for tricycles. 2,475,177, July 5.
- Chris-Craft Corporation, assignee: *See—*
 Smith, Jay W.
- Chrisler, Willard L., Kenmore, assignor to National Gypsum Company, Buffalo, N. Y. Acoustical plaster and method of making. 2,485,259, Oct. 18.
- Chrisope, George L.: *See—*
 Dore, Robert F., and Chrisope.
- Christ, Charles L.: *See—*
 Champayne, Edmund F., Christ, and Barnes

- Christ, Charles L., Old Greenwich, and E. F. Champayne, Noroton Heights, Conn., assignors to American Cyanamid Company, New York, N. Y. Device for precision recording of X-ray diffraction patterns. 2,490,674, Dec. 6.
- Christ, Robert E.: *See*—
Beller, Hans, Christ, and Wuerth.
- Christen, Victor H., Sierra Madre, Calif. Storage battery filling device support. 2,471,094, May 24.
- Christen, Victor H., Sierra Madre, Calif. Storage battery filler support. 2,475,543, July 5.
- Christen, Victor H., Sierra Madre, Calif. Battery filler plug. 2,491,162, Dec. 13.
- Christensen, Aage, Chula Vista, Calif. Building wall of plastic filled sectional blocks. 2,470,917, May 24.
- Christensen, Alan W.: *See*—
Morse, Forbes, and Christensen.
- Christensen, Arthur L., Perth Amboy, N. J., and H. F. Silliman, Waterbury, Conn., assignors to International Smelting and Refining Company. Production of oxygen-free copper. 2,479,311, Aug. 16.
- Christensen, Augustus B., South Bethlehem, Pa. Wrist watch alarm. 2,463,087, Mar. 1.
- Christensen, Carl A., Milwaukee, Wis. Rotatable practice ball bat. 2,471,610, May 31.
- Christensen, Carl J., Summit, and A. C. Walker, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal growing apparatus. 2,459,869, Jan. 25.
- Christensen, Carl J., and M. D. Rigterink, Summit, and A. W. Treptow, Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallizing composition. 2,461,878, Feb. 15.
- Christensen, Carl O., Walnut Creek, assignor to Roll-Rite Corporation, Oakland, Calif. Loading ramp. 2,461,678, Feb. 15.
- Christensen, Delbert, Brainerd, Minn. Automobile hood lock. 2,486,003, Oct. 25.
- Christensen, Donald W., assignor to Young Radiator Company, Racine, Wis. Unit heater construction. 2,461,409, Feb. 8.
- Christensen, Donald W., assignor to Young Radiator Company, Racine, Wis. Anchoring means for radiator cores. 2,488,804, Nov. 22.
- Christensen, Esther M., Denver, Colo. Compartmented culinary utensil. 2,462,362, Feb. 22.
- Christensen, Howard, Springfield, and J. J. Kleimack, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic oxide resistor. 2,462,162, Feb. 22.
- Christensen, Niels C., Salt Lake City, Utah. Gas washer. 2,471,724, May 31.
- Christensen, Niels A., South Euclid, Ohio. Fluid control apparatus. 2,459,148, Jan. 18.
- Christensen, Niels A., South Euclid, Ohio. Pressure seal. 2,467,370, Apr. 19.
- Christensen, Niels A., South Euclid, Ohio. Sealing device. 2,471,933, May 31.
- Christensen, Niels A., South Euclid, Ohio. Cylinder and cylinder head construction. 2,480,633, Aug. 30.
- Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,483,036, Sept. 27.
- Christensen, Norman V., Chicago, Ill., and H. J. Le Vesconte, Glendale, Calif., and A. M. Schweda, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill. Electrical seaming apparatus. 2,458,059, Jan. 4.
- Christensen, Norman V., Chicago, and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Lock stitch sewing machine. 2,477,114, July 26.
- Christensen, Norman V., and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,483,037, Sept. 27.
- Christensen, Willard L., Moylan, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,482,095, Sept. 20.
- Christenson, Arthur L., Alexandria, Va., and C. E. Jackson, Takoma Park, Md. Heat testing apparatus. 2,478,895, Aug. 16.
- Christenson, Bjorn O., De Pere, Wis. Condition control system. 2,469,496, May 10.
- Christian, Frank T.: *See*—
Buxton, James E., Christian, and Demure.
- Christian, Rodney E., Royal Oak, and Alfred W. Widerstedt, Detroit, Mich., assignors to Kerr Manufacturing Company. Centrifugal casting machine. 2,472,246, June 7.
- Christiana, Abel B., Ilion, N. Y. Sweatbands and making. 2,480,356, Aug. 30.
- Christiansen, Andrew L., Willowbrook, Calif. Fish backbone removing machine. 2,470,289, May 17.
- Christiansen, Christian, Swampscott, assignor to Rotary Machine Company, Inc., Lynn, Mass. Folding machine. 2,478,459, Aug. 9.
- Christiansen, Philip C., Phelps, Wis. Boat. 2,464,116, Mar. 8.
- Christiansen, Soren E., Great Neck, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Electromagnetic driving mechanism. 2,465,198, Mar. 22.
- Christiansen, Walter G., Glen Ridge, N. J., and L. W. Green, assignors to E. R. Squibb & Sons, New York, N. Y. Preparing urea-(stibanic acid) reaction products. 2,488,268, Nov. 15.
- Christiansen, William J., Bogota, N. J. Form tool grinding attachment for grinding machines. 2,458,347, Jan. 4.
- Christianson, Carl R.: *See*—
Smith, Leatham D., Stearn, and Christianson.
- Christie, Bernard A., assignor of one-half to Harris & Tyler Limited, London, England. Seat and the like. 2,492,268, Dec. 27.
- Christie, Charles F., assignor to Eli Lilly and Company, Indianapolis, Ind. Manufacture of malonic ester. 2,459,144, Jan. 18.
- Christie, John K., New City, N. Y. Pocket flight position indicator. 2,470,143, May 17.
- Christie, Leonard D., Jr.: *See*—
Harter, Isaac, Norton, Jr., and Christie, Jr.
- Christie, Reginald A., Ancaster Township, Wentworth County, assignor to International Harvester Company of Canada, Limited, Hamilton, Ontario, Canada. Agricultural implement. 2,488,707, Nov. 22.
- Christie, Robert K., assignor to Champion Spark Plug Company, Toledo, Ohio. Shielded spark plug. 2,485,699, Oct. 25.
- Christie, Stanley J. A., Oshawa, Ontario, Canada. Work-supporting adjustable mandrel for band saws. 2,472,570, June 7.
- Christie, William H., Altadena, Calif. Variable angle launcher. 2,487,042, Nov. 8.
- Christley, Paul W.: *See*—
Szabo, Edward J., and Christley.
- Christman, John A., Columbus, Ohio. Muffler with cutout and removable baffle. 2,492,784, Dec. 27.
- Christman, Peter J., assignor to Paper Converting Machine Co., Inc., Green Bay, Wis. Web cutoff device. 2,478,240, Aug. 9.
- Christman, Stewart C.: *See*—
Burckle, Arthur A., and Christman.
- Christoff, Chris A., San Gabriel, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Ribbon spool. 2,483,528, Oct. 4.
- Christoffer, Donald F., Spirit Lake, Iowa. Trip rope holder. 2,485,702, Oct. 25.
- Christoffer, Donald F., Spirit Lake, Iowa. Livestock tool. 2,485,703, Oct. 25.
- Christoffer, Donald F., Spirit Lake, Iowa. Swine tool. 2,488,962, Nov. 22.
- Christopher, Claude J., Los Angeles, Calif. Variable capacity hydraulic pump. 2,471,195, May 24.
- Christopher, Frank E., Morgantown, W. Va. Automatic coal dumping appliance. 2,470,472, May 17.
- Christopher, Merle E., El Paso, Tex. Lock joint for anatomical appliances. 2,485,036, Oct. 18.
- Christopherson, Raymond, assignor to National Cabinet Company, Long Beach, Calif. Progressive drawer support. 2,460,923, Feb. 8.
- Christy, Donald F.: *See*—
Christy, Elmer W., and Donald F.
- Christy, Elmer W., Cincinnati, Ohio, and D. F. Christy, Hinsdale, Ill., said E. W. Christy assignor to said D. F. Christy and said D. F. Christy assignor to said E. W. Christy. Handle holder. 2,466,379, Apr. 5.
- Chromak, Leon, Washington, D. C. Air-borne corner reflector. 2,463,517, Mar. 8.
- Chromogen, Incorporated, assignee: *See*—
Gaspar, Bela.
- Chromy, Benjamin J.: *See*—
Allen, Philip H., and Chromy.
- Chrysler Corporation, assignee: *See*—
Auten, Jay C.
Bowlus, Omer E.
Brazil, John H.
Cadwallader, Robert.
Casey, Helen M.
Cousino, Patrick T.
Cousino, Walter P.
Cuskie, Herman C.
Edwards, Franklin W.
Gibson, William F.
Giffilan, Henry W.
Hereschoff, Alexander G., and Lamb.
Hicks, Harold A., and Jackson.
Iavelli, Teno.
Iavelli, Teno, and Matulaitis.
La Brie, Ludwig E.
Lemon, Joseph R.
Lewton, Ross.
Maurer, Edwin R., and Caton.
McCullough, Jack D.
Neeson, Charles R.
Nims, Paul T.
Nims, Paul T., and Phelan.
Ochs, Sidney A.
Ross, Walter G.
Schotz, Otto W.
Syrovoy, Augustin J., and Iavelli.
Thomas, Edward B.
Utz, Chester C.
Van Der Sluys, William.
Wallace, David A.
Webb, Edmund F.
Wentling, William H.
Wyckoff, Paul W.
Wyeth, Nathaniel.
- Chrysler, Lewis H.: *See*—
Otting, Herbert E., Chrysler, and Almy.

- Chryst, John R., Tacoma, Wash. Saw grinder. 2,470,290. May 17.
- Chu, Helga M. and H. F., Larchmont, N. Y. Frame construction for kites and like toys. 2,461,465, Feb. 8.
- Chu, Hing F.: *See—*
- Chu, Helga M. and H. F.
- Chu, Lan J.: *See—*
- Breen, Stanley and Chu.
- Breen, Stanley L., Chu, and Pao.
- Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Flat beam antenna. 2,478,241, Aug. 9.
- Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,479,209, Aug. 16.
- Chu, Lan J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Slotted wave guide antenna. 2,477,510, July 26.
- Chu, Lan J. Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apple-core reflector antenna. 2,486,589, Nov. 1.
- Chubb, Lewis W., Jr., Sharon, assignor to Polaroid Corporation, Cambridge, Mass. Polarizing headlight system. 2,467,293, Apr. 12.
- Chubb, Melvin F., Joplin, Mo., assignor to The Eagle-Picher Company. Machine for processing storage battery plates. 2,474,091, June 21.
- Chubb, Melvin F., Joplin, Mo., and O. P. Hense, Cincinnati, Ohio, assignors to The Eagle-Picher Company. Storage battery plate and making the same. 2,479,603, Aug. 23.
- Chubbuck, Leonard B., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal-clad switchgear. 2,473,861, June 21.
- Chudner, Joseph, New York, N. Y. Abrasive wheel. 2,471,934, May 31.
- Chudyk, Alex B., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Engine control apparatus. 2,485,431, Oct. 18.
- Chun, Herbert H., Marblehead, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp mount. 2,491,252, Dec. 13.
- Chung, Ling, New York, N. Y. Impregnating and decorating cementitious materials. 2,470,918, May 24.
- Chung, Paul K.: *See—*
- Hartough, Howard D., and Chung.
- Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Power actuated wrench. 2,471,863, May 31.
- Church, Clifford C., Needham, Mass. Educational appliance. 2,486,260, Oct. 25.
- Church, Emory E., Compton, Calif. Clutch for governors. 2,475,178, July 5.
- Church, Howard, Los Gatos, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation. Charging magnesium retorts. 2,477,406, July 26.
- Church, John W.: *See—*
- Corkery, Frank W., and Church.
- Church, John W., Mount Lebanon, assignor to Falk & Company, Carnegie, Pa. Making plastic polystyrene. 2,460,976, Feb. 8.
- Church, Joseph H.: *See—*
- Moore, Wiley T., Church, and Thibodeau.
- Church, Walter L.: *See—*
- Bychinsky, Wilfred A., and Church.
- Church, Walter L., Houston, Tex. Safety joint. 2,461,107, Jan. 8.
- Church, William R.: *See—*
- Graham, Joseph P., and Church.
- Lowry, Robert D., and Church.
- Churchill, George R., Hingham, Mass. Buffing wheel. 2,483,879, Oct. 4.
- Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,459,793, Jan. 25.
- Churchill, Joseph L., Seattle, Wash. Milk bottle indicator. 2,458,979, Jan. 11.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cable and the like supporting structures. 2,459,307, Jan. 18.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cord fastener. 2,479,312, Aug. 16.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener for attaching container backs or covers. 2,485,189, Oct. 18.
- Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Furniture glider. 2,488,849, Nov. 22.
- Churchward & Company, Incorporated, assignee: *See—*
- Hall, Marcus A.
- Churchward, Ruth E., and F. K. Shelton, Boulder City, Nev. Cobalt solution purification. 2,476,284, July 19.
- Churchwell, Ernest R., assignor of one-half to M. J. Rosenthal, Dayton, Ohio. Folding crib. 2,487,636, Nov. 8.
- Churn, Charles R., Tilehurst, assignor to The Fairey Aviation Company Limited, Hayes, England. Feel means for pressure fluid follow-up servomotor. 2,488,173, Nov. 15.
- Chute, Robert J., Shaker Heights, and E. I. Peck, Cleveland Heights, Ohio. Crutch tip. 2,492,916, Dec. 27.
- Chute, Walter J.: *See—*
- Wright, George F., and Chute.
- Cianfrone, Ralph F., Guttenberg, N. J. Fishing line bracket. 2,482,901, Sept. 27.
- Ciarfello, Anthony F., Albany, N. Y. Closure. 2,461,259, Feb. 8.
- Ciarlielli, Joseph, Waterbury, Conn. Truss. 2,468,615, Apr. 26.
- Ciba Limited, assignee: *See—*
- Bernasconi, Eduard.
- Bucher, Armin.
- Felix, Friedrich, and Heckendorn.
- Felix, Friedrich, Heckendorn, and Widmer.
- Felix, Friedrich, and Reich.
- Graenacher, Charles, and Ackermann.
- Graenacher, Charles, and Matter.
- Graenacher, Charles, Streuli, Geiger, and Usteri.
- Grossmann Paul.
- Kaiser, Otto.
- Kaiser, Otto, and Gunst.
- Kaiser, Otto, and Reich.
- Holbro, Theodor, Kern, and Sutter.
- Mayer, Hans, and Widmer.
- Meyer, Jules, and Ackermann.
- Meyer, Jules, Graenacher, and Ackermann.
- Morgeli, Eduard, and Kern.
- Ott, Gustav H., and Kraus.
- Roesti, Hans.
- Rossi, Carlo.
- Sallmann, Richard.
- Sallmann, Richard, and Graenacher.
- Straub, Fritz.
- Widmer, Willy, and Mayer.
- Ciba Limited, Swiss firm of, The, assignee: *See—*
- Hauser, Hermann, and Bommer.
- Ciba Pharmaceutical Products Inc., assignee: *See—*
- Anderson, George.
- Druey, Jean.
- Hartmann, Max, and Bosshard.
- Hartmann, Max, and Druey.
- Hartmann, Max, and Merz.
- Hoffmann, Karl, and Schellenberg.
- Hoffmann, Karl, Schellenberg, and Miescher.
- Kaegi, Hans, and Miescher.
- Miescher, Karl.
- Miescher, Karl, and Anner.
- Miescher, Karl, Heer, and Billeter.
- Miescher, Karl, and Kaegi.
- Miescher, Karl, and Marxer.
- Miescher, Karl, and Meystre.
- Miescher, Karl, and Rometsch.
- Munson, Charles E.
- Ciba Pharmaceutical Products, Incorporated, assignee: *See—*
- Hartmann, Max, and Isler.
- MacPhillamy, Harold B., and Scholz.
- Miescher, Karl, Frey, Meystre, and Wettstein.
- Cibulka, Alois, Highlands, Tex. Roof and wall structure. 2,459,415, Jan. 18.
- Cieri, Dominick J., Hartford, Conn. Adjustable pattern for collars and lapels. 2,471,196, May 24.
- Cieslak, Leo, Salem, Oreg. Auxiliary conveyer for headers. 2,465,709, Mar. 29.
- Cilag Limited, assignee: *See—*
- Suter, Hans.
- Cilley, Putnam, Sharon, assignor to The Foxboro Company, Foxboro, Mass. Apparatus for measuring humidity. 2,461,310, Feb. 8.
- Cima, Charles, Riverdale, Ill. Christmas tree holder. 2,485,233, Oct. 18.
- Cimino, Thomas D., New Kensington, Pa. Sleevelet purse. 2,459,992, Jan. 25.
- Cinamon, Lionel, New York, N. Y. Metal protective coating method. 2,481,977, Sept. 13.
- Cinamon, Lionel, New York, N. Y. Rack. 2,488,582, Nov. 22.
- Cinch Manufacturing Corporation, assignee: *See—*
- Del Camp, Scipione M.
- Cincinnati Grinders Incorporated, assignee: *See—*
- Kearing, Bernard A., and Decker.
- Cincinnati Industries, Inc., assignee: *See—*
- Rowe, William W.
- Cincinnati Milling Machine Co., assignee: *See—*
- Wilder, Warren, and Horlacher.
- Cincinnati Milling Machine Co., The, assignee: *See—*
- Hassman, Fred A., and Ernst.
- Hoier, Walter, and Clifton.
- Martellotti, Mario E.
- Vancil, Edgar D., and Hassman.
- Cincinnati Milling Machine Co., The, assignee: *See—*
- Binns, George W., and Haas.
- Dall, Albert H.
- Dall, Albert H., and Horlacher.
- Hassman, Fred A., and Herfurth.
- Hoier, Walter A., Rivoira, and Mehlhope.
- Roehm, Erwin G., and Fritsch.
- Romaine, Millard, and Vancil.
- Theier, Frederick J., and Mehlhope.
- Cinema-Television Limited, assignee: *See—*
- Samson, Kurt A. R., McConnell and McMullan.
- Cioffi, William F., Brooklyn, N. Y. Vehicle jack. 2,463,518, Mar. 8.

- Cipyak, John, assignor of seventeen and one-half per cent to M. Cipyak, seventeen and one-half per cent to T. Cipyak, seventeen and one-half per cent to F. E. Sterner, and seventeen and one-half per cent to A. V. Sterner, Lansford, Pa. Miniature-golf game board. 2,473,277, June 14.
- Cipyak, Margaret, assignee: *See—*
Cipyak, John.
- Cipyak, Tekla, assignee: *See—*
Cipyak, John.
- Ciraolo, Salvatore, Brooklyn, N. Y. Combination chair and table. 2,489,861, Nov. 29.
- Ciriongione, Joseph, assignor to Magic Corset Co., Inc., Bronx, N. Y. Foundation garment. 2,490,415, Dec. 6.
- Cisenfeld, Benjamin, Baltimore, Md. Depository drawer and associated structure. 2,465,431, Mar. 29.
- Cisky, Fred L., assignee: *See—*
Campbell, Le Roy C.
- Cislak, Francis E., and M. M. Otto, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Separating para-ethyl phenol from meta-ethyl phenol. 2,490,670, Dec. 6.
- Cislak, Francis E., and M. M. Otto, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Separation of metaethylphenol from paraethylphenol. 2,490,671, Dec. 6.
- Cislak, Francis E., and L. H. Sutherland, assignors to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Nitroethylpyridines. 2,490,672, Dec. 6.
- Cisneros, Consuelo G., Hollywood, Calif. Tatting shuttle. 2,469,291, May 3.
- Cisski, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Shock-absorbing and motion-impelling means for cinematographs. 2,482,744, Sept. 27.
- Cisski, Irving, Schiller Park, and A. Shapiro, assignors to Ampro Corporation, Chicago, Ill. Used-film signal for motion-picture cameras. 2,482,745, Sept. 27.
- Cities Service Oil Company, assignee: *See—*
De Villiers, Truman E.
Forney, William E.
- City National Bank and Trust Company of Chicago, assignee: *See—*
Frankel, Leo.
- City Vending Equipment Corp., assignee: *See—*
Newcomer, Everett J.
- Cities Service Oil Company, assignee: *See—*
Dermer, Otis C.
Morgan, John D., and Lowe.
Morgan, John D., Merley, and Smith.
Wood, Sylvan R.
- Citizens and Manufacturers National Bank, The, administrator: *See—*
Sperry, Roger S.
- Cizek, Frank G.: *See—*
Sedgwick, Robert K., and Cizek.
- Clack, Basil N., Wembley Park, England, assignor to General Electric Company. Introducing mercury into electric discharge lamps. 2,465,062, Mar. 22.
- Claesson, Per H. E., Jakobsberg, Sweden. Reactor. 2,471,411, May 31.
- Claesson, Per H. E.: *See—*
Rost, Helge F., Thunell, Vigren, and Claesson.
- Claiborne, James C., Arlington Heights, Va. Tomato plant rack. 2,486,261, Oct. 25.
- Claire, Arthur D. assignee: *See—*
Jockers, Harry W.
- Clair, Louis C., Palestine, assignor of three-sixteenths to J. S. Loftin, Dallas, three-sixteenths to R. F. Peterson, Palestine, three-sixteenths to C. Rampy, Houston, Tex., one thirty-second to J. Melton Oakes and one thirty-second to E. A. Campbell, Homer, La. Door fastener. 2,475,478, July 5.
- Clair Manufacturing Company, Inc., assignee: *See—*
Johnson, Carl O., and Burt.
- Claire, Guy K., Rolling Hills, assignor, by mesne assignments, of one-half to A. L. Armentrout, Long Beach, Calif. Cam operated transversely engaged clutch. 2,481,084, Sept. 6.
- Claitor, Lilburn C., Jeannette, and E. S. Dennison, Hempfield Township, Westmoreland County, assignors to Elliott Company, Jeannette, Pa. Power absorbing apparatus. 2,490,114, Dec. 6.
- Clamp, Charles C., San Antonio, Tex. Pyrophoric lighter. 2,462,467, Feb. 22.
- Clancy, John J., Mills, assignor to Arthur D. Little, Inc., Cambridge, Mass. Sulfur-set furfuryl alcohol resins. 2,465,710, Mar. 29.
- Clancy, Gilbert E., assignor to Drayer-Hanson, Los Angeles, Calif. Reversible cycle heat pump. 2,474,304, June 28.
- Clancy, Gilbert E., San Bernardino, assignor to Drayer-Hanson, Los Angeles, Calif. Quick refrigeration system. 2,475,077, July 5.
- Clapp, Charles W., Schenectady, N. Y., assignor to General Electric Company. Noncontacting thickness gauge. 2,467,812, Apr. 19.
- Clapp, Charles W., Albany, N. Y., assignor to General Electric Company. Humbucking arrangement for magnetic transducers. 2,483,123, Sept. 27.
- Clapp, Charles W., Schenectady, N. Y., assignor to General Electric Company. Noncontacting thickness gauge. 2,488,269, Nov. 15.
- Clapp, Edwin A.: *See—*
Keir, James M., and Clapp.
- Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Secondary thermal breaker. 2,481,722, Sept. 13.
- Clapp, Richard G., Haverford, assignor to Philco Corporation, Philadelphia, Pa. Beam-velocity control system for cathode-ray tubes. 2,476,698, July 19.
- Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,470,016, May 10.
- Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,478,242, Aug. 9.
- Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,480,182, Aug. 30.
- Clapp, Roger H., Greenfield, Mass., and J. A. Phelan, Jackson Heights, N. Y., assignors to Bethlehem Steel Company. Silent car wheel. 2,481,200, Sept. 6.
- Clapp, Sherman, Greensboro, N. C. Drainage bottle holder. 2,464,672, Mar. 15.
- Clapper, Clyde E., Kansas City, Mo. Tractor hitch. 2,457,976, Jan. 4.
- Clar, Mottel, Torrance, Calif. Pen, pencil and general utility clip. 2,487,312, Nov. 8.
- Clare, Benjamin H., Wellsville, Mo. Safety cutout switch. 2,490,675, Dec. 6.
- Clark, Adelaide B., administratrix: *See—*
Clark, Edward A.
- Clark, Albert R., and J. C. Buck, assignors to The De Vibbiss Company, Toledo, Ohio. Apparatus for washing air. 2,491,645, Dec. 20.
- Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of hydrocarbons. 2,467,966, Apr. 19.
- Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Regeneration of catalysts used in the production of hydrocarbons from carbon monoxide and hydrogen. 2,479,999, Aug. 23.
- Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons. 2,486,633, Nov. 1.
- Clark, Alfred, and H. R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of hydrocarbons from oil shale. 2,474,345, June 28.
- Clark, Alfred S.: *See—*
Bertrand, Frederic E., and Clark.
- Clark, Andrew B.: *See—*
Clark, Kenneth C. and A. B.
- Clark, Avery A.: *See—*
Roach, David J., Clark, and Rienks.
- Clark Bros. Co., Inc., assignee: *See—*
Trumpler, William E.
- Clark, Carleton B., assignor to Kingsbury Machine Tool Corporation, Keene, N. H. Chip breaking mechanism for metal drilling and like machines. 2,458,929, Jan. 11.
- Clark, Charles A.: *See—*
Anish, Alfred W., and Clark.
- Clark, Charles F., Albuquerque, N. Mex. Toy machine gun operating mechanism. 2,478,567, Aug. 9.
- Clark, Charles H., Mill Valley, assignor, by Decree of Court and assignment of one-half to J. D. Clark and one-half to P. F. Schumacher, San Francisco, Calif. Heel socket. 2,488,963, Nov. 22.
- Clark, Charles W., Westmount, Quebec, and J. H. Schloen, Montreal, Quebec, assignors to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada. Protecting ferrous metal surfaces by coating and dipping solution for use therein. 2,475,944, July 12.
- Clark, Charles W., Westmount, Quebec, and T. G. Collins, Montreal, Quebec, assignors to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada. Chemically coating metallic articles of aluminum or predominantly of aluminum and solution for use therein. 2,475,945, July 12.
- Clark, Charles W., Westmount, Quebec, and T. G. Collins, Montreal, Quebec, assignors to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada. Chemically coating metallic articles of aluminum or predominantly of aluminum and solution for use therein. 2,475,946, July 12.
- Clark, Charles W., Westmount, Ontario, and J. H. Schloen, assignors to Canadian Copper Refiners Limited, Montreal, Quebec, Canada. Producing sodium selenate. 2,486,464, Nov. 1.
- Clark, Clare L., and C. E. Denison, Billings, Mont. Ball-and-socket vehicle coupling. 2,475,878, July 12.
- Clark Controller Company, The, assignee: *See—*
Burgett, Lynn S.
Few, William.
- Clark, David L., Bridgeport, Conn., assignor to General Electric Company. Column spring switch. 2,479,313, Aug. 16.
- Clark, David M., Worcester, Mass., E. H. Wood, Rochester, Minn., and H. A. Schroeder, Chesterfield, Mo., said Wood and said Schroeder assignors to said Clark. Garment or attachment for controlling the distribution, pressure and circulation of body fluids. 2,475,479, July 5.

- Clark, Donald E., San Diego, and A. B. Steiner, La Jolla, Calif. Production of fibrous water-soluble alginates. 2,477,861, Aug. 2.
- Clark, Dudley B., Palm Springs, Calif. Power rectifier tube and starting the same. 2,468,037, Apr. 26.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostatic switch. 2,476,083, July 12.
- Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical device. 2,484,206, Oct. 11.
- Clark, Earle W., assignor to Keeler Brass Company, Grand Rapids, Mich. Producing embossed and intaglio effects in smooth surface articles formed of molded plastic. 2,475,375, July 5.
- Clark, Edward A., deceased, Saline; A. B. Clark, administratrix, assignor to H. H. Twining, Ann Arbor, Mich. Holder for watch movements. 2,464,375, Mar. 15.
- Clark, Edwin L.: See—
Wright, Antony, and Clark.
- Clark, Edwin L., Collingswood, N. J., assignor to Radio Corporation of America. Power recovery system. 2,478,744, Aug. 9.
- Clark Equipment Company, assignee: See—
Borland, John.
Burrows, Robert J., and Williams.
Burrus, Robert E.
Dunham, Elmer J.
Lapsley, Robert.
Lapsley, Robert, and Mills.
Philip, William J., and Parmentier.
Malthaner, Sylvester A.
- Clark, Ethel H., assignee: See—
Clark, John W.
- Clark, Eva S., administratrix: See—
Clark, Jay T.
- Clark, Francis E., Kelso, Wash. Power drill holder. 2,468,358, Apr. 26.
- Clark, Francis R.: See—
Marshall, Donald E., Howard, and Clark.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Insulating and dielectric compositions. 2,460,126, Jan. 25.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Gas eliminator for electric apparatus. 2,464,026, Mar. 8.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Stabilized halogenated compositions and electrical devices. 2,468,544, Apr. 26.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Heat-resisting capacitor. 2,473,242, June 14.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. High-frequency electric capacitor. 2,475,310, July 5.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor and dielectric material therefor. 2,475,592, July 12.
- Clark, Frank M., and G. F. Lipsey, Pittsfield, Mass., assignors to General Electric Company. Electric capacitor. 2,486,116, Oct. 25.
- Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric composition. 2,492,210, Dec. 27.
- Clark, Frank R., assignor to Ventilated Porch Shade Company, Dallas, Tex. Weaving machine. 2,480,395, Aug. 30.
- Clark, Franklin, Chatham, assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Choke coil. 2,482,902, Sept. 27.
- Clark, Frederic B., Englewood, N. J., assignor to Consolidated Laundries Corporation. Machine for folding sheet material. 2,464,556, Mar. 15.
- Clark, Frederic B., Englewood, N. J., assignor to Consolidated Laundries Corporation. Counting machine. 2,486,117, Oct. 25.
- Clark, Frederic B., Englewood, N. J., assignor to Consolidated Laundries Corporation. Counting machine for laundry articles. 2,486,118, Oct. 25.
- Clark, Frederick G., assignor to Eastman Machine Company, Buffalo, N. Y. Control actuator and control system. 2,476,584, July 19.
- Clark, Geoffrey W., Bramcote, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical connector. 2,462,036, Feb. 15.
- Clark, Geo. P., Co., assignee: See—
Babcock, Pearl D.
- Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiple frequency filter. 2,485,567, Oct. 25.
- Clark, Harry C., Jr., Belvidere, Ill. Safety jack base. 2,474,725, June 28.
- Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Automatic screw and nut release. 2,472,002, May 31.
- Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Phase reversal protector. 2,486,004, Oct. 25.
- Clark, Harry L., Washington, D. C. Electromechanical gear system for indicators. 2,462,846, Mar. 1.
- Clark, Harvey: See—
Bush, Ralph R., and Clark.
- Clark, Henry B., Elizabeth, N. J. Bracket for mounting rollers on overhead doors. 2,471,197, May 24.
- Clark, Henry B., Elizabeth, N. J. Overhead door lock. 2,472,791, June 14.
- Clark, Henry B., Elizabeth, N. J. Hinge for overhead doors. 2,484,609, Oct. 11.
- Clark, Homer B.: See—
Morton, Henry E., and Clark.
- Clark, Howard L., Ballston Lake, N. Y., assignor to General Electric Company. Precision frequency meter. 2,476,025, July 12.
- Clark, Hubert M.: See—
Sherman, George B., and Clark.
- Clark, Hubert M., Detroit, assignor to Sherman Products, Inc., Hazel Park, Mich. Auxiliary transmission. 2,489,699, Nov. 29.
- Clark, James A., White Plains, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Producing a molding material and the article produced. 2,458,562, Jan. 11.
- Clark, James D., U. S. Army, River Forest, Ill. Method and device for indicating spoilage. 2,485,566, Oct. 25.
- Clark, James d'A., River Forest, and S. D. Wells, Combined Locks, assignor to The Institute of Paper Chemistry, Appleton, Wis. Apparatus for forming fibrous sheets or paperboard. 2,489,079, Nov. 22.
- Clark, Jay T., Milan, Mich., E. S. Clark, administratrix of said J. T. Clark, deceased. Oil burning heater having a concentric fuel pan and air cone. 2,475,947, July 12.
- Clark, Jerry C., Memphis, Tenn. Snap switch. 2,463,357, Mar. 1.
- Clark, Joel B., Canfield, assignor to The Auto Appliance Patents Co., Youngstown, Ohio. Filter element. 2,486,389, Nov. 1.
- Clark, John, Walkerton, Ind. Track liner. 2,475,374, July 5.
- Clark, John A., Harrow, England. Door locking means. 2,459,920, Jan. 25.
- Clark, John A., assignor to Acrow (Engineers) Limited, London, England. Adjustable metal prop. 2,468,484, Apr. 26.
- Clark, John M., Northfield, N. J. Cylinder back pressure valve. 2,472,284, June 7.
- Clark, John R., Denver, Colo., assignor of fifty per cent to C. D. and E. A. Hingley. Egg inspection table for moving individually separated eggs across a light source. 2,461,721, Feb. 15.
- Clark, John T., Cicero, Ill. Diaphragm. 2,463,356, Mar. 1.
- Clark, John W., assignor of one-third to E. H. Clark, Washington, D. C. Safety razor. 2,472,807, June 14.
- Clark, John W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Membrane type electron tube analogue device. 2,477,115, July 26.
- Clark, Joseph C., Merchantville, N. J., assignor to Radio Corporation of America. Selector mechanism for radio apparatus. 2,490,619, Dec. 6.
- Clark, Joseph S., Sherwood Forest, Md. Cap for collapsible tubes. 2,463,152, Mar. 1.
- Clark, Julia D., assignee: See—
Clark, Charles H.
- Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Bomb sight. 2,459,919, Jan. 25.
- Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Clutch and brake mechanism. 2,461,629, Feb. 15.
- Clark, Kendall, and K. O. Sisson, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Spectacle sighting device. 2,462,468, Feb. 22.
- Clark, Kendall, and K. O. Sisson, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Fire control mechanism. 2,467,967, Apr. 19.
- Clark, Kenneth C., Watsonville, Calif. Tire-wheel carrier with angularly adjustable platform. 2,479,155, Aug. 16.
- Clark, Kenneth C., Watsonville, Calif. Tire-wheel or tire-rim assembly carrier. 2,489,561, Nov. 29.
- Clark, Kenneth C. and A. B. Watsonville, Calif. Draft tongue and coupler aligner. 2,488,805, Nov. 22.
- Clark, Laurence E., Jr.: See—
Lieb, David J., Clark, Jr., and Spahr.
- Clark, Lawrence E., Arlington, Va. Communications copy and schedule holder. 2,469,369, May 10.
- Clark, Leland R., El Monte, Calif. Precision centering device. 2,466,380, Apr. 5.
- Clark, Lester B., assignee: See—
Knott, Walter L.
- Clark, Llewellynn J., and W. F. Goosmann, assignors to The Tanglefoot Company, Grand Rapids, Mich. Atomizer structure. 2,478,370, Aug. 9.
- Clark, Maurice G.: See—
Mills, Robert V., Clark, and Ruff.
- Clark, Paul J., Germantown, Pa. Check feeding machine. Re. 23,181, Dec. 13.
- Clark, Paul J., Germantown, Pa. Check feeding machine. 2,470,017, May 10.
- Clark, Philip B., Morton Grove, assignor to Union Special Machine Company, Chicago, Ill. Control mechanism for sewing machines and the like. 2,461,520, Feb. 15.
- Clark, Ralph C., Willowbrook, Calif. Removable base for bowling pins. 2,479,003, Aug. 16.

- Clark, Richard U., Belmont, Mass., assignor to The Magnavox Company, Fort Wayne, Ind. Porous electrode for electrolytic cells. 2,461,410, Feb. 8.
- Clark, Richard U., Winchester, assignor to Tohe Deutschmann Corporation, Canton, Mass. High-intensity electron flash tube circuits. 2,485,037, Oct. 18.
- Clark, Robert A., Jr., assignor to A. C. Nielsen Company, Chicago, Ill. Apparatus for determining the listening habits of wave signal receiver users. 2,483,573, Oct. 4.
- Clark, Robert H.: *See—*
Dersch, Fritz, and Clark.
- Clark, Robert H., assignee: *See—*
Smith, Lawson A.
- Clark, Robert K., United States Army, St. Paul, Minn. Generator brush tool. 2,470,091, May 17.
- Clark, Robert L., Woodbridge, assignor to Merck & Co., Inc., Rahway, N. J. 2-benzyl-4-alkoxymethylene-5(4)-oxazolone hydrohalide and making same. 2,483,529, Oct. 4.
- Clark, Robert L., Woodbridge, assignor to Merck & Co., Inc., Rahway, N. J. Beta-ethoxy-alpha-phenylacetamidocrylic acid. 2,483,530, Oct. 4.
- Clark, Robert W.: *See—*
Duke, Vernon J., and Clark.
- Clark, Robert W., Port Washington, N. Y., assignor to Radio Corporation of America. Tube extracting device. 2,468,392, Apr. 26.
- Clark, Robert W., Teaneck, N. J., assignor to Radio Corporation of America. Controlled generator. 2,486,005, Oct. 25.
- Clark, Rufus and S., Casa Blanca, and L. B. Moss, Riverside, Calif. Separable tire rim. 2,479,314, Aug. 16.
- Clark, Ruth G., Oakland, Calif. Portable chicken house and yard. 2,474,932, July 5.
- Clark, Samuel: *See—*
Clark, Rufus and S., and Moss.
- Clark, Sara L., and M. Raphael, Sierra Madre, Calif., said Raphael assignor to said Clark. Combined shoulder pad support and brassiere. 2,483,809, Oct. 4.
- Clark, Thomas, and D. Harriman, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Drive for contrarotating propellers. 2,481,290, Sept. 6.
- Clark, Thomas S. H., Rensselaer, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Enrichment composition. 2,470,804, May 24.
- Clark Thread Company, The, assignee: *See—*
Camp, William M.
McLean, Earle R.
McLean, Earle R., and Jenkins.
Smith, Lawson A.
- Clark, Trevor H., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Oscillograph. 2,465,354, Mar. 29.
- Clark, Trevor H., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency controlled direction finder. 2,471,412, May 31.
- Clark, Trevor H., Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electronic switch. 2,474,224, June 28.
- Clark, Trevor H., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,480,118, Aug. 30.
- Clark, Trevor H., Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electronic switch. 2,483,400, Oct. 4.
- Clark, Trevor H., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna reflector system. 2,492,358, Dec. 27.
- Clark, William H., Jr.: *See—*
Schoenbaum, Joseph R., and Clark, Jr.
- Clark, William J., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Thermal conductivity analysis of gases. 2,472,645, June 7.
- Clark, Winslow B. M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Polarized electromagnet. 2,473,939, June 21.
- Clark, Winslow B. M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Fire alarm system. 2,473,940, June 21.
- Clarke, Allen W., St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y. Metal paneling. 2,480,321, Aug. 30.
- Clarke, David F.: *See—*
Stone, Tilden J., and Clarke.
- Clarke, Douglas C., Mountain Lakes, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable displacement rotary pump. 2,490,115, Dec. 6.
- Clarke, Ella M., Los Angeles, Calif. Disposable bag with means for fastening same temporarily to user. 2,491,799, Dec. 20.
- Clarke, Erna M., assignee: *See—*
Weinke, August F.
- Clarke, Hana T., New York, N. Y., assignor to the United States of America, as represented by the Secretary of War. Bacteriostatic and antibiotic compound and preventing bacterial growths. 2,464,197, Mar. 15.
- Clarke, Leslie, Stockport, assignor of one-half to Bratby and Hinchliffe Limited, Manchester, Lancashire, England. Machine for filling containers with liquids. 2,485,190, Oct. 18.
- Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Isomerization and alkylation of normal paraffins. 2,470,144, May 17.
- Clarke, Robert E., Palo Alto, and N. R. Collins, Los Altos, assignors to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacture of magnesium oxide. 2,480,904, Sept. 6.
- Clarke Sanding Machine Company, assignee: *See—*
Atkin, Kenneth C.
- Clarke, Thomas B., and A. A. Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel-attaching machine. 2,480,905, Sept. 6.
- Clarke, Thomas B., and W. A. Barker, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe positioning and clamping means. 2,484,074, Oct. 11.
- Clarke, Thomas F., executor: *See—*
Ingoldby, Maurice K.
- Clarke, William C., Dundalk, Md., assignor, by mesne assignments, to Arco Steel Corporation. Alloy and method. 2,482,096, Sept. 20.
- Clarke, William C., Dundalk, Md., assignor, by mesne assignments, to Arco Steel Corporation. Alloy and method. 2,482,097, Sept. 20.
- Clarke, William C., Dundalk, Md., assignor, by mesne assignments, to Arco Steel Corporation. Hardenable iron alloy. 2,482,098, Sept. 20.
- Clarke, William W.: *See—*
Zademach, Erich R., and Clarke.
- Clarkson, Alick, Bloomingdale Township, Du Page County, Ill. High velocity gaseous fuel burner for air heaters. 2,465,711, Mar. 29.
- Clarkson, Alick, Bloomingdale Township, Du Page County, Ill. Louvered air register for oil burners. 2,465,712, Mar. 29.
- Clarkson, John L., Nashville, Ill. Conveyor chain. 2,460,447, Feb. 1.
- Clarkston Corporation, assignee: *See—*
Argabrite, George A.
- Clarostat Mfg. Co., Inc., assignee: *See—*
Burnell, Charles H.
Mucher, George J.
- Clarnel Food Products Corp., assignee: *See—*
Smelzer, C. Tracy.
- Clarvan Corporation, assignee: *See—*
Edelston, Frederick C.
- Clary Multiplier Corporation, assignee: *See—*
Boyden, Robert E.
Boyden, Robert E., and Alton.
Christoff, Chris A.
Drake, Edward P.
- Clary, Paul D.: *See—*
Meade, Reginald E., and Clary, Jr.
Mucher, George J.
- Clasen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Side frame and brake support structure. 2,470,237, May 17.
- Clasen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Quick wheel change railway car truck. 2,473,010, June 14.
- Clasen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,181, Sept. 27.
- Clasen, John H.: *See—*
Evans, Russell T., and Clasen.
- Claud-Mantle, Arthur Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Lid fastener. 2,472,285, June 7.
- Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood latch. 2,492,683, Dec. 27.
- Claus, Erwin P., assignor to The Bristol Company, Waterbury, Conn. Belt hook package. 2,481,085, Sept. 6.
- Claus, Walter B., Van Nuys, Calif., assignor, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn. Ratchet mechanism. 2,474,656, June 28.
- Claus, Walter E., Milwaukee, Wis. Rotary soil tiller. 2,491,892, Dec. 20.
- Clausen, Howard F.: *See—*
Bozeman, Virgil F., and Clausen.
Bozeman, Virgil F., Sr., Walz, Griff, and Clausen.
- Clausen, Howard F., assignor to Deere & Company, Moline, Ill. Beet loader. 2,463,019, Mar. 1.
- Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Control for cigar machine short filler tobacco feeds. 2,482,465, Sept. 20.
- Clauser, Norman R., Fort Wayne, Ind. Fluid pressure operated tire and rim assembling and locking ring applying machine. 2,488,376, Nov. 15.
- Clauss, Herman E., Afton, Mo. Clamping fixture for workbenches. 2,466,209, Apr. 5.
- Clauss, Herman E., Afton, Mo. Work supporting and clamping fixture for workbenches. 2,486,634, Nov. 1.
- Claussen, William H.: *See—*
Levine, Irving E., and Claussen.
Shiffler, William H., and Claussen.
- Claussen, William H., Berkeley, and W. H. Shiffler, assignors to California Research Corporation, San Francisco, Calif. Continuous adsorption process. 2,470,339, May 17.

- Claussen, William H., and H. B. Wellman, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Dehydrogenation of hydrocarbon oil and catalyst therefor. 2,481,824, Sept. 13.
- Clavier, André G., assignor to International Standard Electric Corporation, New York, N. Y. Frequency modulation stabilization system. 2,468,038, Apr. 26.
- Clawsey, John D., New York, N. Y. Combination sink and dining table. 2,473,862, June 21.
- Clawson, John R., Pittsburgh, Pa. Hole cutting broach. 2,490,029, Dec. 6.
- Clay-Adams Company, Inc., assignee: *See—*
Ayre, James E.
- Clay Equipment Corporation, assignee: *See—*
Clay, Joseph B.
- Clay, Joseph B., assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Tilting gate. 2,484,980, Oct. 18.
- Clay, Marvin F., High Point, N. C. Watch movement holder. 2,460,679, Feb. 1.
- Clay, Robert B., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,483,312, Sept. 27.
- Clay, Robert G., assignee: *See—*
Walters, Leslie W.
- Clay, Royce W.: *See—*
Morgan, Erving B., and Clay.
- Claybourn, Glen L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transfer system. 2,473,863, June 21.
- Claydon, Lynold L., assignee: *See—*
Mittin, Robert E.
- Clayton, Andrew B., Silver Bay, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,470,759, May 24.
- Clayton, Benjamin, assignee: *See—*
Ewing, Frederick J.
Thurman, Benjamin H.
- Clayton, Benjamin, San Marino, Calif., assignor to B. Clayton, doing business as Refining, Unincorporated. Process of making soap. 2,483,002, Sept. 27.
- Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Electronic drying of foods. 2,472,193, June 7.
- Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Refining glyceride oils. 2,478,089, Aug. 2.
- Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Apparatus for drying oil. 2,483,623, Oct. 4.
- Clayton, Harold H., assignor, by mesne assignments, to Essex Wire Corporation, Logansport, Ind. Thermal-magnetic circuit breaker. 2,491,088, Dec. 13.
- Clayton, James O.: *See—*
Farrington, Bruce B., Clayton, and Rutherford.
- Clayton & Lambert Manufacturing Company, assignee: *See—*
Edel, Walter L.
- Clayton Manufacturing Company, assignee: *See—*
Cline, Edwin L.
Griswold, Donald G.
- Clayton, Robert E., Jr., Cranford, N. J., assignor to Standard Oil Development Company. Preparing high-density molded articles comprising cork and an elastomer. 2,491,715, Dec. 20.
- Clayton, William J.: *See—*
Svendsen, Edward C., and Clayton.
- Claytor, Gory A., Steubenville, Ohio. Surface-treating machine. 2,489,399, Nov. 29.
- Cleancraft Corporation, assignee: *See—*
Horwitz, Harold H.
- Clear, Arthur J.: *See—*
Rinkenbach, William H., and Clear.
- Cleaver-Brooks Company, assignee: *See—*
Sanborn, William L.
- Cleaver, Cecil E.: *See—*
Shellhouse, Michael, and Cleaver.
- Cleaver, Richard F., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for repeating oscillograph indications at a distance. 2,485,568, Oct. 25.
- Cleeland, Roy, Meadowbrook, L. J. Kelley, Upper Darby, and W. S. Davis, Roxborough, Pa. Manufacturing textile materials. 2,459,620, Jan. 18.
- Cleeton, Claud E., Washington, D. C. Pulse code-signaling system. 2,471,413, May 31.
- Cleeton, Claud E., Washington, D. C. Suppressing super-numerary pulses. 2,489,269, Nov. 29.
- Clegern, William A., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Hood structure for aircraft engine turbosuperchargers. 2,465,846, Mar. 29.
- Clegern, William A., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Air flow inducing system for air-cooled internal-combustion engines. 2,488,174, Nov. 15.
- Cleland, Charles A., Batavia, Ill. Rotary plow. 2,476,836, July 19.
- Clem, Everett W., Shrewsbury, assignor to Rice Barton Corporation, Worcester, Mass. Apparatus for unwinding and winding web material. 2,486,006, Oct. 25.
- Clem, Everett W., Shrewsbury, and J. P. Munton, assignors to Rice Barton Corporation, Worcester, Mass. Paper winding machine. 2,475,480, July 5.
- Clem, Willis J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing tetraethyl lead. 2,464,399, Mar. 15.
- Clem, Willis J., Wilmington, Del., and R. J. Plunkett, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing tetraethyl lead. 2,464,398, Mar. 15.
- Clemence, Le Roy W.: *See—*
Raiziss, George W., Severac, and Clemence.
- Clemens, Charles W., Jr., South Bend, Ind. Infant carrying device. 2,468,588, Apr. 26.
- Clemens, Earl L., assignor of one-half to M. Clemens, Saginaw, Mich. Circuit testing apparatus. 2,457,869, Jan. 4.
- Clemens, Edwin S., assignor to Higgins Industries, Inc., New Orleans, La. Portable water still. 2,475,481, July 5.
- Clemens, Edwin S., assignor to Higgins Industries, Inc., New Orleans, La. Water distillation unit. 2,475,482, July 5.
- Clemens, Harry, La Porte, Ind. Airplane dolly. 2,463,744, Mar. 8.
- Clemens, Mildred, assignee: *See—*
Clemens, Earl L.
- Clement, Clyde H., assignor of one-half to C. R. Cox, Phoenix, Ariz. Automatic switch. 2,459,015, Jan. 11.
- Clement, Sylvester F.: *See—*
Hewitt, Alfred G., and Clement.
- Clements, William E., Ogden, Utah, assignor to General Mills, Inc. Adapter for scale tickets. 2,482,726, Sept. 20.
- Clemetsen, Erling A., Long Grove, Ill. Outdoor swimming pool. 2,488,708, Nov. 22.
- Clemmer, Harry J., Holden, Wash. Drag scraper construction. 2,482,320, Sept. 20.
- Clemmons, Herbert D., assignor to Scovill Manufacturing Company, Sturgis, Mich. Valve mechanism. 2,470,213, May 17.
- Clentimack, George E., Plainville, assignor to Draper Corporation, Hopedale, Mass. Loom fork filling motion. 2,461,493, Feb. 8.
- Cleveland Automatic Machine Company, The, assignee: *See—*
Dulaney, William B.
Jelinek, Alfred F.
Rutemiller, Oren G.
Watcher, Albert K.
- Cleveland Clinic Foundation, assignee: *See—*
Gardner, William J.
- Cleveland Crane & Engineering Company, The, assignee: *See—*
Barriger, William B.
Dehn, Roy F.
Wehr, William G.
- Cleveland, Flournoy E., Rocky Mount, N. C. Self-adjusting brake. 2,465,063, Mar. 22.
- Cleveland Graphite Bronze Company, The, assignee: *See—*
Luetkemeyer, Henry W., and Schaefer.
Schaefer, Ralph.
Schaefer, Ralph A., and Mohler.
- Cleveland Grinding Machine Company, The, assignee: *See—*
Banko, George.
- Cleveland, Harry W., assignor to Eastman Kodak Company, Rochester, N. Y. Electric resistance film hygrometer. 2,458,348, Jan. 4.
- Cleveland Heater Company, The, assignee: *See—*
Bates, Herbert T., Fergus, and Craver.
Fergus, Daniel J.
- Cleveland, Ingram, Oklahoma City, Okla. Violin ring-mute. 2,483,880, Oct. 4.
- Cleveland Pneumatic Tool Company, The, assignee: *See—*
Kostrubanic, Michael, Jr.
Whalen, Edward M.
- Cleveland Punch & Shear Works Co., The, assignee: *See—*
Welland, John N.
- Cleveland Research Corporation, The, assignee: *See—*
Pravda, Milton F.
- Cleveland Tapping Machine Company, The, assignee: *See—*
Graves, Mark.
- Cleveland Trencher Company, The, assignee: *See—*
Askue, Albert R.
- Cleveland Trust Company, The, coexecutor, et al.: *See—*
Deibel, Cyril P.
- Cleveland Welding Company, The, assignee: *See—*
Mueller, Homer L.
- Cleveland Worm & Gear Company, The, assignee: *See—*
Eastman, Sidney L., and Johns.
- Cleven, Oluf L., Washington, D. C., and L. A. Wilson, McLean, Va. Compressor follower for vertical files. 2,482,099, Sept. 20.
- Cleverdon, Carlos C., assignee: *See—*
Jencks, Hollis W.
- Cleverdon, Desmond, Bournemouth, and H. P. Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Stabilization of polyvinyl chloride compositions. 2,481,086, Sept. 6.

- Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Direct-current measuring system. 2,490,579, Dec. 6.
- Clewell, Dayton H., and D. C. Pfeiffer, Dallas, Tex. Vacuum gauge. 2,460,873, Feb. 8.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of vinyl compounds containing olefins. 2,459,126, Jan. 11.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of butadiene and tetrahydrofurfuryl methacrylate. 2,476,027, July 12.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of vinyl furane and vinylidene chloride. 2,478,860, Aug. 9.
- Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of vinyl furane and chloroprene. 2,483,182, Sept. 27.
- Clifford, Albert M., Stow, and C. E. Gleim, assignors to Wingfoot Corporation, Akron, Ohio. Reacting a piperylene with a halo substituted maleic anhydride. 2,461,679, Feb. 15.
- Clifford, Albert M., Stow, and J. D. D'Ianni, assignors to Wingfoot Corporation, Akron, Ohio. Copolymer of diallyl chloromaleate and butadiene-1,3. 2,464,488, Mar. 15.
- Clifford, Albert M., and J. R. Long, Stow, assignors to Wingfoot Corporation, Akron, Ohio. 2-cyano-2,3-diacetoxy butanes. 2,476,026, July 12.
- Clifford, David G.: See—
Cooke, William T., Caldwell, and Clifford.
Cooke, William T., Caldwell, Jr., and Clifford.
- Clifford, Harry W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging apparatus for checking the relative alignment of reference planes of spaced articles. 2,461,143, Feb. 8.
- Clifford, Roger W., Schenectady, assignor to American Locomotive Company, New York, N. Y. Valve gear for the distribution valves of steam locomotives. 2,466,303, Apr. 5.
- Clifford, Walter B., Boston, Mass. Mixing valve. 2,471,725, May 31.
- Clifton, Frank L.: See—
Phillips, William M., and Clifton.
- Clifton, Frank L., assignor to General Motors Corporation, Detroit, Mich. Electrodeposition of tin or lead-tin alloys. 2,489,523, Nov. 29.
- Clifton, Maurice, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Bonding rubber-like materials to metal. 2,483,754, Oct. 4.
- Clifton Products, Inc., assignee: See—
Schormuller, Anton.
Schormuller, Anton, and Windecker.
- Clifton, Richard N.: See—
Holer, Walter, and Clifton.
- Clifton, Robert P., Dearborn, assignor to Packard Motor Car Company, Detroit, Mich. Shroud for multiple runner fluid couplings. 2,473,137, June 14.
- Climax Molybdenum Company, assignee: See—
Linz, Arthur.
- Cline, Edward T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of artificial fibers. 2,474,617, June 28.
- Cline, Edward T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous spinning and stretching of zeln filaments. 2,475,879, July 12.
- Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, El Monte, Calif. Engine cooling means and method. 2,476,837, July 19.
- Cline, Robert F., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Diamond abrasive. 2,476,699, July 19.
- Cline, Truman H.: See—
Chesser, Cecil E., and Cline.
- Cline, Wesley W., Charleston, W. Va. Selective information tab device. 2,469,762, May 10.
- Clingan, Irvine C., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Electrolytic stainless steel polishing. 2,461,035, Feb. 8.
- Clingan, Irvine C., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Stainless steel polishing. 2,461,036, Feb. 8.
- Clini, Daniel J., Springfield, assignor to Heatbath Corporation, Indian Orchard, Mass. Aqueous bath for coloring stainless steel. 2,476,700, July 19.
- Clinton Machine Company, assignee: See—
Thomas, Donald.
- Clinton, Raymond D., Glendale, Calif., and C. M. Suter, Albany, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Para-aminobenzamides, acid addition salts thereof, and their production. 2,490,780, Dec. 13.
- Clipper Belt Lacer Company, assignee: See—
Mervenne, William J.
- Clipper Manufacturing Company, assignee: See—
Coates, Nellie C.
- Cloche, Louis: See—
Lafleule, Yves, Cloche, and Bricout.
- Clopay Corporation, assignee: See—
Thexton, Arthur L.
- Clopton, Mortimer L., South Pasadena, Calif. Sensitive element for space speed, track and angle of attack indicators. 2,461,521, Feb. 15.
- Clorox Chemical Co., assignee: See—
Morris, Mark M., and Kleeman.
- Clos, Charles, Middle Village, N. Y., assignor to American Telephone and Telegraph Company. Multifrequency signaling system. 2,470,145, May 17.
- Cloud, Raymond T., assignor to North American Geophysical Company, Houston, Tex. Electric heating element. 2,487,695, Nov. 8.
- Cloud, Robert W.: See—
Trump, John G., and Cloud.
- Cloud, William S., Wilmette, Ill. Method and apparatus for preparing and utilizing sheet material for packaging purposes. 2,490,781, Dec. 13.
- Cloud, William S., Wilmette, Ill. Stretching and laminating thermoplastic sheet material with other sheet material. 2,490,946, Dec. 13.
- Clough, Joseph B., Cleveland Heights, Ohio. Automobile radio coupler and communication. 2,481,978, Sept. 13.
- Clouse, Earl L., and A. Vanderveld, assignors to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Display case construction. 2,475,079, July 5.
- Clouse, George S., Seattle, Wash. Pivoted bender and adjustable guide for metal tubing. 2,466,381, Apr. 5.
- Cloutier, Davila, assignee: See—
Plante, Alfred J.
- Clower, Joseph B., Woodstock, Va. Ice-cream receptacle holding device. 2,458,060, Jan. 4.
- Cloyd, Herbert R., Dayton, Ohio. Electrical junction assembly box. 2,487,790, Nov. 15.
- Club-Aluminum Products Co., assignee: See—
Peterson, Amos J.
- Cluett, Peabody & Co., Inc., assignee: See—
Dimling, Edwin C.
Pfeffer, Edward C., Jr.
- Clunan, Albert B., and J. F. Stalter, assignors to Wingfoot Corporation, Akron, Ohio. Wrapping machine and wrapping. 2,484,780, Oct. 11.
- Clutcher, John: See—
Jaworski, Leonard A., and Clutcher.
- Clute, Foster L., and H. C. Schroder, assignors to The W. P. Fuller Company, San Francisco, Calif. Combined wallpaper display card and color positioning tab. 2,482,963, Sept. 27.
- Clyne, Clarence T., Marion, Ohio. Illuminated writing unit. 2,492,034, Dec. 20.
- Cnossen, Andrew J.: See—
Yeager, Milburn E., and Cnossen.
- Coad, Frederic J., Des Moines, Iowa, G. Coad, administratrix of said F. J. Coad, deceased, assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Spinning machine. 2,461,466, Feb. 8.
- Coad, Gwendolyn, administratrix: See—
Coad, Frederic J.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Variable reluctance device. 2,466,382, Apr. 5.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Magnetic limit switch. 2,475,819, July 12.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Vibrator. 2,475,820, July 12.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Vibrator. 2,483,085, Sept. 27.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Driver contact vibrator. 2,483,086, Sept. 27.
- Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Electric microgauge system. 2,487,523, Nov. 8.
- Coakley, George W., Akron, Ohio. Utility cart. 2,475,278, July 5.
- Coan, Martin, assignee, as trustee: See—
Herzig, Leonard A., and Coan.
- Coast Envelope & Leather Products Company, assignee: See—
Miller, Joseph C.
- Coast, John W., assignor of one-half to C. H. Dragert, Dallas, Tex. Recovery of values from rock asphalt and like material. 2,489,700, Nov. 29.
- Coast, John W., assignor of one-half to C. H. Dragert, Dallas, Tex. Recovery of values from rock asphalt and like material. 2,489,701, Nov. 29.
- Coast, John W., assignor of one-half to C. H. Dragert, Dallas, Tex. Topping with waste heat from cracking with spent shale. 2,489,702, Nov. 29.
- Coast Metals, Inc., assignee: See—
Cane, Arthur T.
- Coast Wire Company: See—
Schulze, Kurt E.
- Coate, C. F., assignee: See—
McNamara, Charles J.
- Coates, Geoffrey E., Swansea, Wales, assignor, by mesne assignments, to The Permanente Metals Corporation. Electrolytic protective surface treatment of magnesium base alloys. 2,459,365, Jan. 18.
- Coates, Geoffrey E., Swansea, Wales, assignor, by mesne assignments, to The Permanente Metals Corporation. Protective surface treatment of magnesium base alloys. 2,480,448, Aug. 30.
- Coates, Lee R., and L. J. Reiser, Newberg, Oreg. Block making machine. 2,492,415, Dec. 27.

- Coates, Neligh C., Kansas City, Mo. Conveyer cart for masonry saws. 2,464,117, Mar. 8.
- Coates, Neligh C., assignor to Clipper Manufacturing Company, Kansas City, Mo. Masonry saw. 2,492,684, Dec. 27.
- Coats, Cecil C., Chico, Calif. Lure attaching clip. 2,486,635, Nov. 1.
- Coats, Gilbert E., Fort Dodge, Iowa. Shovel loading machine. 2,485,139, Oct. 18.
- Coats, William J., Pomona, Calif. Hand truck with vertically adjustable platform. 2,491,953, Dec. 20.
- Cobb, Andrew D.: *See—*
- Cobb, Wilburn D. and A. D.
- Cobb, Carroll F., and J. J. De Windt, Silverton, and S. A. Weitlauf, Cincinnati, Ohio, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Commutator brazing fixture. 2,484,333, Oct. 11.
- Cobb, Charles L., Los Angeles, Calif. Hoisting attachment for ladders. 2,459,621, Jan. 18.
- Cobb, Clifton A., University City, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Blower control. 2,467,425, Apr. 19.
- Cobb, Edward S., Burbank, Calif. Fluid treatment apparatus with rotary film guide. 2,478,896, Aug. 16.
- Cobb, Edward S., Burbank, Calif. Fluid treatment apparatus for continuous films. 2,492,133, Dec. 27.
- Cobb, Neal L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generating clutch teeth for extended intimate contact. 2,474,393, June 28.
- Cobb, Wilburn D. and A. D., San Francisco, Calif. Kite. 2,488,118, Nov. 15.
- Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Heavy oil and sand pump. 2,473,864, June 21.
- Coberly, Clarence J., Jr., San Marino, assignor, by mesne assignments, to Kobe, Inc., Huntington Park, Calif. Making tool handles. 2,460,874, Feb. 8.
- Coble, Ernest L., East Cleveland, assignor to The Star Welding & Manufacturing Company, Inc., Cleveland, Ohio. Ladder jack. 2,469,593, May 10.
- Coby, George, Attleboro, Mass., assignor of forty per cent to J. V. Pugliese, Providence, R. I. Glass tube bottoming machine. 2,469,681, May 10.
- Coca-Cola Company, The, assignee: *See—*
- Copping, Bruce G.
- Cocchiarella, Ottel M.: *See—*
- Smith, Edmund G., and Cocchiarella.
- Cochran, Carl T.: *See—*
- Robbins, Rolland S., and Cochran.
- Cochran, Charles W., U. S. Navy, Yeadon, Pa. Positive displacement hydraulic transmission. 2,484,015, Oct. 11.
- Cochran, Clarence W., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Visor mounting means. 2,467,294, Apr. 12.
- Cochran, Clyde E., assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Speed control for industrial trucks of the like. 2,472,646, June 7.
- Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazleton, Pa. Double twist spindle. 2,484,016, Oct. 11.
- Cochran, John K., Conyngham, and J. Pfister, assignors to The Duplan Corporation, Hazleton, Pa. Double-twist twisting device. 2,482,654, Sept. 20.
- Cochran, R. J. Power Unit, Inc., assignee: *See—*
- Cochran, Robert J.
- Cochran, Raymond J., Fairfield, Conn., assignor to Simmons Company, New York, N. Y. Making electric blankets. 2,490,417, Dec. 6.
- Cochran, Robert J., Woodward, Okla., assignor to R. J. Cochran Power Unit, Inc. Mechanical movement for converting rotary into reciprocatory motion. 2,464,214, Mar. 15.
- Cochran, Robert T.: *See—*
- Knox, William H., Jr., Cochran, Grudup, and Miller.
- Cochrane, Alfred F. M.: *See—*
- Mill, Alfred F.
- Cochrane Corporation, assignee: *See—*
- Razek, Joseph.
- Cochrane, Richard M., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dual firing rate oil burner. 2,476,701, July 19.
- Cochrane, Wallace M., Davenport, Iowa, and H. A. Hanson, South Bend, Ind. Dressing tool. 2,468,039, Apr. 26.
- Cocker Machine and Foundry Company, assignee: *See—*
- Bodansky, John C.
- Suggs, Thomas F.
- Cockerville, Frank O., Albemarle County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of esters. 2,462,163, Feb. 22.
- Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,468,545, Apr. 26.
- Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,469,860, May 10.
- Cocozella, Albert J.: *See—*
- Cocozella, Anthony, Jr., Albert J., and C. E.
- Cocozella, Anthony, Jr., Albert J., and C. E., Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Sole cover lasting machine. 2,478,524, Aug. 9.
- Cocozella, Clarence E.: *See—*
- Cocozella, Anthony, Jr., Albert J., and C. E.
- Cocroft, Robert, and E. W. Brennan, Chicago, and A. Manteuffel, Des Plaines, assignors to The Pure Oil Company, Chicago, Ill. Mineral oil composition containing oxidation inhibitor. 2,480,449, Aug. 30.
- Cocroft, Robert, and E. W. Brennan, Chicago, and A. Manteuffel, Des Plaines, assignors to The Pure Oil Company, Chicago, Ill. Inhibiting oxidation. 2,480,450, Aug. 30.
- Coderre, Aylmer L., St. Anne, Ill. Liquid measuring device. 2,474,805, July 5.
- Coderre, Aylmer L., St. Anne, Ill. Liquid measuring device. 2,474,806, July 5.
- Cody, Clifford S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air-conditioning apparatus for cooling or heating. 2,466,383, Apr. 5.
- Cody, John P.: *See—*
- Smolderen, Ferdinand V., and Cody.
- Cody, Kenneth E.: *See—*
- Hirsch, Joel H., and Cody.
- Coe, Clarence S.: *See—*
- Doumani, Thomas F., Coe, and Attané, Jr.
- Coe, Clarence S., Long Beach, E. C. Attané, Inglewood, and T. F. Doumani, assignors to Union Oil Company of California, Los Angeles, Calif. Preparation of an organic dinitrohydrocarbon. 2,465,974, Mar. 29.
- Coe, Clarence S., Long Beach, and T. F. Doumani, assignors to Union Oil Company of California, Los Angeles, Calif. Nitrating olefins. 2,478,243, Aug. 9.
- Coe, Elvin L.: *See—*
- Wicker, Dan B., and Coe.
- Coe, Eric R., Chatham, N. J., and G. Nelson, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,477,722, Aug. 2.
- Coe, Everett L., Jr., and C. T. Freeling, assignors to Iron Fireman Manufacturing Co., Portland, Oreg. Starting switch. 2,463,020, Mar. 1.
- Coe, Harrison S., Palo Alto, Calif. Pumping apparatus. 2,478,568, Aug. 9.
- Coe Manufacturing Company, The, assignee: *See*
- Parker, Clarence E.
- Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Packaged meat and like products and process thereof. 2,461,522, Feb. 15.
- Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., The Weirs, N. H. Producing a dried food product. 2,481,723, Sept. 13.
- Coffeen, Richard W., assignor of 50 per cent to McKinley Howell, La Porte, Ind. Semiautomatic sickle grinder. 2,486,119, Oct. 25.
- Coffeen, William W., Union, and R. R. Danielson, Elizabeth, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Acid resistant enamel frit and ferrous metal coated with enamel made from same. 2,492,523, Dec. 27.
- Coffey, Daniel J., assignor of one-half to G. A. Brown, New York, N. Y. Portable utility bag. 2,465,847, Mar. 29.
- Coffey, Earl G., Sioux City, Iowa. Impression taking means. 2,458,145, Jan. 4.
- Coffey, Irven E., Normandy, Mo. Governor. 2,459,061, Jan. 11.
- Coffey, Irven E., Normandy, Mo. Windshield wiper control. 2,464,847, Mar. 22.
- Coffey, Irven E., St. Louis, assignor to G. R. Ericson, Kirkwood, Mo. Windshield wiper motor control. 2,484,781, Oct. 11.
- Coffin, Owen T., and D. J. Raden, Los Angeles, Calif., assignors to Swift & Company, Chicago, Ill. Nicotine and beta-beta-dichlorethyl ether insecticide. 2,459,138, Jan. 18.
- Coffing, Frederick W., Danville, Ill. Combination tool and handle. 2,461,108, Feb. 8.
- Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Tire transfer device for trucks and the like. 2,464,071, Mar. 8.
- Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Method of and mechanism for lifting portions of vehicles. 2,470,018, May 10.
- Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Combination hoist, jack, and wire stretcher. 2,470,019, May 10.
- Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Jack operable and supported vise. 2,471,726, May 31.
- Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Motor vehicle and jack lifting connection. 2,476,838, July 19.
- Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Combination tool and handle. 2,487,696, Nov. 8.
- Coffing, Frederick W., assignor to Coffing Hoist Company, Danville, Ill. Collapsible multiple position handle. 2,490,947, Dec. 13.
- Coffing Hoist Company, assignee: *See—*
- Coffing, Frederick W.
- Coffman, Donald D. and R. D. Cramer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrofluorination of polyfluoroalkanes. 2,461,523, Feb. 15.

- Coffman, Donald D., and H. W. Jacobson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolyzed interpolymers of ethylene, vinyl acetate and diethyl fumarate. 2,480,551, Aug. 30.
- Coffman, Hulda, Lenexa, Kans. Brassière. 2,488,583, Nov. 22.
- Cogan, Howard C., assignor to National Electric Welding Machines Company, Bay City, Mich. Barrel bending machine. 2,466,653, Apr. 5.
- Coggeshall, Norman D.: *See—*
Muskat, Morris, and Coggeshall.
- Coggeshall, Norman D., Verona, and M. Muskat, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Automatic system of process control by infrared spectrometry. 2,462,946, Mar. 1.
- Coggeshall, Norman D., O'Hara Township, Allegheny County, and M. Muskat, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for separating charged particles of different masses. 2,471,935, May 31.
- Coggeshall, Thellwell R., Bala Cynwyd, Pa., assignor to General Electric Company. Fluid actuated circuit breaker operating mechanism. 2,479,315, Aug. 16.
- Cogsdill Twist Drill Company, Inc., assignee: *See—*
Walters, William D.
- Cohan, Albert M., Chicago, Ill. Outside lock vanity case. 2,485,814, Oct. 25.
- Coehe, Charles C., Indianapolis, Ind. Humidifying air-heating furnace. 2,482,964, Sept. 27.
- Cohen, Aaron: *See—*
Atherton, Frank R., Bergel, Cohen, Haworth, Openshaw, and Todd.
Bergel, Franz, Cohen, Haworth, and Hughes.
Bergel, Franz, Cohen, Haworth, Hughes, and Silk.
- Cohen, Abe, Omaha, Nebr. Vehicle antiskid mechanism and wheel jack. 2,459,016, Jan. 11.
- Cohen, Abe H., Pittsburgh, Pa. Game board of the lotto type. 2,474,573, June 28.
- Cohen, Arthur M., New Rochelle, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,487,313, Nov. 8.
- Cohen, Bernard, Brooklyn, N. Y. Girdle. 2,476,585, July 19.
- Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Treatment of oils corrosive to copper. 2,473,195, June 14.
- Cohen, David M., Long Beach, N. Y. Umbrella construction. 2,475,446, July 5.
- Cohen, Harold, Elizabeth, N. J. Locking device. 2,462,164, Feb. 22.
- Cohen, Harold, Elizabeth, N. J. Clamp. 2,462,721, Feb. 22.
- Cohen, Harold, Elizabeth, N. J. Winch. 2,465,199, Mar. 22.
- Cohen, Heinrich, assignor to Laboratories Medial S. A., Geneva, Switzerland. Preparation of aromatic coffee extract. 2,481,470, Sept. 6.
- Cohen, Irwin, Brooklyn, N. Y. Crinoline skirt. 2,469,855, May 10.
- Cohen, Jacob, Boston, assignor to one-half to H. E. Cole, Taunton, Mass. Machine to stamp decorative material upon articles. 2,488,377, Nov. 15.
- Cohen, Jacob, and S. Blake, Boston, Mass. Machine to impress decorative strips on articles. 2,477,440, July 26.
- Cohen, Jacob A., New York, N. Y. Lady's undergarment. 2,492,620, Dec. 27.
- Cohen, Jeffrey S., Los Angeles, Calif., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Oscillator circuits. 2,483,183, Sept. 27.
- Cohen, Louis, assignee: *See—*
Wasserman, Arthur J.
- Cohen, Meyer, Flushing, N. Y. Drinking cup of sheet material. 2,487,100, Nov. 8.
- Cohen, Milton, and H. Hawkins, Pittsburgh, Pa. Float operated switch. 2,467,189, Apr. 12.
- Cohen, Monte, Longmeadow, and F. G. Webber, Springfield, assignors to The F. W. Sickles Company, Chicopee, Mass. Pi type resistance capacitance filter unit. 2,464,376, Mar. 15.
- Cohen, Monte, Longmeadow, and F. G. Webber, Springfield, assignors to The F. W. Sickles Company, Chicopee, Mass. Pi type resistance capacitance filter unit. 2,464,377, Mar. 15.
- Cohen, Moses, Jackson Heights, N. Y. Abdominal supporting garment. 2,481,396, Sept. 6.
- Cohen, Paul, Glencove, N. Y., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for determining the phase relation of sinusoidal electric signals. 2,490,899, Dec. 13.
- Cohen, Samuel J., Rochester, and W. E. Scheer, Jackson Heights, N. Y., said Scheer assignor to said Cohen. Synthetic rubber compositions. 2,479,671, Aug. 23.
- Cohen, Sidney, and J. J. Reld, Needham, Mass. Article carrier. 2,485,864, Oct. 25.
- Cohler, Irving H., Chicago, Ill., assignor, by mesne assignments, to Mitchell Manufacturing Company. Air conditioning unit for mounting in windows. 2,472,792, June 14.
- Cohn, Ben, assignee: *See—*
Davidson, Roy H.
- Cohn, Edwin J., Cambridge, Mass., assignor to Research Corporation, New York, N. Y. Protein fractionation. 2,469,193, May 3.
- Cohn, Harold J., Chicago, Ill. Closure operated deodorizer. 2,463,246, Mar. 1.
- Cohn, Johann G., East Orange, assignor to Bakers & Co., Inc., Newark, N. J. Igniting organic fuels. 2,487,752, Nov. 8.
- Cohn, Johann G., East Orange, assignor to Baker & Co., Inc., Newark, N. J. Fuel igniter. 2,487,753, Nov. 8.
- Cohn, Johann G., East Orange, assignor to Baker & Co., Inc., Newark, N. J. Fuel igniter. 2,487,754, Nov. 8.
- Cohn, Max, South River, assignor to South River Metal Products Company, Inc., South River County, N. J. Aerial mounting. 2,482,575, Sept. 20.
- Cohn, Samuel: *See—*
Walter, Jules G.
- Cohn, Sigmund, Corp., assignee: *See—*
Brenner, Bert.
- Cohoe, Wallace P., New York, assignor to American Chic Company, Long Island City, N. Y. Chewing gum base. 2,469,861, May 10.
- Cohoe, Wallace P., Riverdale-on-Hudson, and M. Wilson, assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Method of and apparatus for drying sheet materials by high-frequency electric fields. 2,459,622, Jan. 18.
- Cohoe, Wallace P., and M. R. Saslaw, assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Method and apparatus for drying sheet materials. 2,459,623, Jan. 18.
- Cohrt, Eigil, Copenhagen, Denmark, assignor to International Standard Electric Corporation, New York, N. Y. Telephone system. 2,468,040, Apr. 26.
- Cole, William R., Des Moines, Iowa. Crutch. 2,484,401, Oct. 11.
- Coile, John J.: *See—*
Atkinson, Raymond F., and Coile.
- Coit, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Combined pallet and crate structure. 2,471,095, May 24.
- Coker, Richard G., and A. Woods, Jr., Hartsville, S. C., assignors to Sonoco Products Company. Fibrous conduit and method and composition for same. 2,478,181, Aug. 9.
- Colaiaco, August P., and S. M. Cork, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Marine cathode. 2,465,200, Mar. 22.
- Colaluca, Leonardo, Somerville, N. J. Cushioning attachment for game tables. 2,472,884, June 14.
- Colander, Roy E., Boulder, Colo., assignor to Collins Radio Company, Cedar Rapids, Iowa. Direct reading multi-frequency generator. 2,476,840, July 19.
- Colaner, Louis, Sr., Freehold, N. J. Automobile fender construction. 2,491,800, Dec. 20.
- Colardo, John, Providence, R. I. Alarm for fire detection. 2,463,745, Mar. 8.
- Colavita, Theodore, Philadelphia, Pa. Tracheal appliance. 2,491,647, Dec. 20.
- Colbath, Daniel F., Dallas, Tex. Temperature control device. 2,476,702, July 19.
- Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., and W. L. Morgan, Columbus, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mirror structure having a metal to glass adherence increasing interlayer. 2,482,054, Sept. 13.
- Colbeth, Ivor M., Maplewood, assignor to The Baker Castor Oil Company, Jersey City, N. J. Producing unsaturated products. 2,469,370, May 10.
- Colbeth, Ivor M., Maplewood, assignor to The Baker Castor Oil Company, Jersey City, N. J. Reacting glyceride oils. 2,469,371, May 10.
- Colburn, Edward D., South Glens Falls, N. Y. Control means for aircraft. 2,458,146, Jan. 4.
- Colburn, George E., Hamilton, Ontario, Canada. Garment hanger. 2,465,576, Mar. 29.
- Colburn, Richard R., Waterloo, Iowa. Furred concrete building wall. 2,476,135, July 12.
- Colby, Gordon B., assignor to Central Can Company, Chicago, Ill. Spring holder for coffee filters. 2,489,482, Nov. 29.
- Colby Lighter Corporation, assignee: *See—*
Kohn, Julius.
- Colby, Ralph E., and V. R., Ridgewood, N. J. Fingernail protector. 2,487,101, Nov. 8.
- Colby, Vida R.: *See—*
Colby, Ralph E., and V. R.
- Colchester, Christopher D.: *See—*
Best, Frank P., Colchester, and Twatt.
- Coldwell, Thomas: *See—*
Flynn, Theodore P., and Coldwell.
- Cole, Alexander: *See—*
Parker, Leon, and Cole.
- Cole, Ben R., Princeton, N. J., assignor to Radio Corporation of America. Radar glide path control system. 2,466,534, Apr. 5.
- Cole of California, assignee: *See—*
Laszlo, Margit F.
- Cole, Carroll E., and E. J. Derderian, assignors to Elliott Manufacturing Company, Fresno, Calif. Fruit pitting machine. 2,480,357, Aug. 30.
- Cole, Charles S., assignor to Fabric Fire Hose Company, Sandy Hook, Conn. Woven tubular fabric. 2,475,012, July 5.
- Cole, Clay, Richmond, Ind. Animal trap. 2,483,881, Oct. 4.
- Cole, Edward J., Peekskill, N. Y. Spring motor. 2,459,871, Jan. 25.

- Cole, Eldon B., Tulsa, Okla., assignor to Sinclair Refining Company, New York, N. Y. Distillation of aqueous alcohol extracts of mahogany sulfonates. 2,461,371, Feb. 8.
- Cole, Eugene, Long Island, assignor to Federal Telecommunications Labs. Inc., New York, N. Y. Direction finder system. 2,489,270, Nov. 29.
- Cole, Eugene, Kew Gardens, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Pulse coding system. 2,492,134, Dec. 27.
- Cole, Frank E., Manchester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Tension device for thread handling machines. 2,465,356, Mar. 29.
- Cole, Frank E., Manchester, W. V. Goodhue, Ipswich, and R. Heeley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Fuse setting and ramming mechanism. 2,459,308, Jan. 18.
- Cole, Fred B., San Anselmo, Calif. Can opener. 2,458,254, Jan. 4.
- Cole, Harold E., assignee: *See—*
Cohen, Jacob.
Tebbetts, Eugene L.
- Cole, Harry B., Vero Beach, Fla. Gauge for use with the cooperating dies of power brakes or like machines. 2,466,685, Apr. 12.
- Cole, Harry W., New Rochelle, N. Y., and M. F. Sproul, Tenafly, N. J., assignors to Packless Metal Products Corporation, New Rochelle, N. Y. Leakproof coupling. 2,490,620, Dec. 6.
- Cole, James D., Park Ridge, Ill. Electric motor. 2,460,063, Jan. 25.
- Cole, John W.: *See—*
Barnes, Charlie W., and Cole.
Julian, Per L., Cole, Magnani, and Meyer.
- Cole, Leonard W., North Branford, Conn. Toy gear. 2,477,441, July 26.
- Cole, M. T., Co., assignee: *See—*
Meyer, Walter, and Cole.
- Cole, Myron T., assignee: *See—*
Meyer, Walter.
- Cole, Ned S., San Diego, Calif. Photographic printer. 2,468,291, Apr. 26.
- Cole, Nelson E., assignor to Parish Pressed Steel Co., Reading, Pa. Frame structure for truck or trailer bodies or the like. 2,470,919, May 24.
- Cole, Noel S., Greenwood, Miss. Quick attachable and detachable heat circulator. 2,479,906, Aug. 23.
- Cole, Percy W., executor: *See—*
Ingoldby, Maurice K.
- Cole, Peter A., Belmont, Mass., and J. B. Horner Kuper, Redding, Conn., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Diode detector for hyperfrequencies. 2,463,655, Apr. 26.
- Cole, Prentiss I., Palo Alto, Calif. Fluid seal. 2,486,928, Nov. 1.
- Cole, Robert M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of gasoline. 2,458,980, Jan. 11.
- Cole, Russell H., Pasadena, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Exhaust nozzle actuating mechanism. 2,483,401, Oct. 4.
- Cole, Sanford S., Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Inorganic bond for chlorinated charge. 2,479,904, Aug. 23.
- Cole, Sanford S., Metuchen, R. L. Holiday and J. S. Breitenstein, Linden, N. J., assignors to National Lead Company, New York, N. Y. Precipitation of hydrous vanadium oxide. 2,479,905, Aug. 23.
- Cole, Thomas M., New York, N. Y., and W. H. Lantz, Jr., East Orange, assignors to Federal Electric Products Company, Newark, N. J. Multipole circuit breaker and tripping device therefor. 2,487,637, Nov. 8.
- Colegrave, Edward B., and T. G. Richards, Clitheroe, England. Apparatus for recording the dilatations of an artery. 2,478,372, Aug. 9.
- Coleman, Clarence B.: *See—*
Ridgely, Neville R., Jr., and Coleman.
- Coleman Company, Inc., The, assignee: *See—*
Campbell, Shirley P.
Campbell, Shirley P., and Grubb.
Klee, Jack W.
Tullis, Boyd W.
- Coleman, Edwin J., assignor to Crane Packing Company, Chicago, Ill. Fast-setting compound of resin and powdered metal. 2,472,247, June 7.
- Coleman, George H., Lawrence, Mass. Timing device for camera shutters. 2,477,578, Aug. 2.
- Coleman, Gerald H.: *See—*
Britton, Edgar C., and Coleman.
- Coleman, Gerald H., Freeland, assignor to The Dow Chemical Company, Midland, Mich. Esters of 2-cyclohexene-1-carboxylic acid. 2,491,442, Dec. 13.
- Coleman, Gerald H., assignor to The Dow Chemical Company, Midland, Mich. N-alkyl-alkylamine salts of chlorophenols. 2,464,176, Mar. 8.
- Coleman, Gerald H., Freeland, and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Making liquid carbohydrate-rich foods resistant to microorganisms. 2,474,226, June 28.
- Coleman, Gerald H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Making carbohydrate foods resistant to microorganisms. 2,474,227, June 28.
- Coleman, Gerald H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Retarding growth of microorganisms in light alcoholic beverages. 2,474,229, June 28.
- Coleman, Harold M., and A. H. Steffen, Chicago, and E. W. Hopkins, Hinsdale, assignors to Armour and Company, Chicago, Ill. Treating animal materials. 2,491,646, Dec. 20.
- Coleman, John H.: *See—*
Kimel, Walter, Coleman, and Stillman.
- Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Hip pad. 2,481,291, Sept. 6.
- Coleman, Joseph E., Red Bank, N. J.; M. Coleman administratrix of said J. E. Coleman, deceased. Awning. 2,466,385, Apr. 5.
- Coleman Lamp and Stove Company, The, assignee: *See—*
Tullis, Boyd W.
- Coleman, Mable, administratrix: *See—*
Coleman, Joseph E.
- Coleman, Marion A.: *See—*
Bryson, Bert B., and Coleman.
- Coleman, Melvin B., and J. R. Bennington, Roanoke, Va., assignors to American Viscose Corporation, Wilmington, Del. Wax applicator for yarns, threads, and the like. 2,474,346, June 28.
- Coleman, Paul M., Belvue, Kans. Disk grinder. 2,462,947, Mar. 1.
- Coleman, Stephen L. C., Fredericton, New Brunswick, Canada. Universal joint. 2,469,713, May 10.
- Coleman, William H., Washington, D. C. Device for teaching music. 2,473,988, June 21.
- Coleman, William R.: *See—*
Bywater, William G., and Coleman.
- Coles, Fred H., assignee: *See—*
Booth, Alfred.
- Coles, Roger E., Union, assignor to International Business Machines Corporation, New York, N. Y. Indexing device for optical projection comparators. 2,487,314, Nov. 8.
- Coley, John R.: *See—*
Toettcher, Fred C., and Coley.
- Coley, Leonard W., Beckley, W. Va. Liquid coating applicator. 2,467,010, Apr. 12.
- Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Airplane approach control system. 2,475,221, July 5.
- Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Code communication system. 2,487,102, Nov. 8.
- Colflesh, John W., III, Burbank, Calif. Coaster and tray. 2,482,704, Sept. 20.
- Colgan, William G., Oakland, Calif. Foldable decoy. 2,489,271, Nov. 29.
- Colgate-Palmolive-Peet Company, assignee: *See—*
Allen, Harold D., and Malkemus.
Alsop, William G.
Colgate, Robert B., Dreger, and Russell.
Dreger, Emil E., and Ross.
Elgin, Joseph C.
Gebhart, Arthur I.
Holuba, Stanley J.
Hoopes, Penrose R.
Ittner, Martin H.
Malkemus, John D.
Marshall, Donald E., Howard, and Clark.
Mitchell, Joseph E.
Mnookin, Nathan M.
Percy, Joseph H.
Reddert, Earl J., and Sartorius.
Schulerud, Albert L.
- Colgate, Robert B., Washington, D. C., E. E. Dreger, Summit, and K. L. Russell, Nutley, assignors to Colgate-Palmolive-Peet Company Jersey City, N. J. Preparation of nondusting organic detergent compositions. 2,489,955, Nov. 29.
- Colinet, Rene D., Philadelphia, Pa., assignor to La Soudure Electrique Autogene S. A., Brussels, Belgium. Holder for arc welding and arc cutting of metals. 2,485,360, Oct. 18.
- Colla, Nicholas E., Jr., Youngstown, Ohio. Electrical connection plug. 2,490,580, Dec. 6.
- Collar, Gelneth F.: *See—*
Werthmann, Florian J., Collar, and Blomquist.
- Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Preventing or reducing the escape of high-frequency energy. 2,470,805, May 24.
- Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Apparatus for measuring voltages or electric field intensities in high-frequency electrical transmission lines and wave guides. 2,478,007, Aug. 2.
- Collender, Gustave A., Los Angeles, Calif. Walking beam mounting for tandem axles. 2,492,126, Dec. 20.

- Collett, Charles T., Washington, D. C. Strap fastener. 2,463,358, Mar. 1.
- Colley, Russell H., Westport, Conn. Filtering device for clothes-washing machines. 2,481,979, Sept. 13.
- Collidge, Albert E., E. C. Dawes, and T. A. Gilbert, assignors to The Klinger Manufacturing Company Limited, London, England. Plasticizing knitted goods made from thermoplastic yarn. 2,474,093, June 21.
- Collier, Robert T., assignee: *See*—
Knoy, Marion F.
- Collier, R. T., Corporation, assignee: *See*—
Collier, Robert T.
- Collier, Robert T., Palos Verdes Estates, assignor to R. T. Collier Corporation, Los Angeles, Calif. Fruit pit cracking machine with spaced corrugated rollers. 2,481,201, Sept. 6.
- Collier, William S., Danville, Ill. Oil filter and cooler. 2,468,866, May 3.
- Collins & Aikman Corporation, assignee: *See*—
Bird, Whitworth F.
- Collins, Alwin D.: *See*—
Barber, Edward A., Collins, and Sylvester.
- Collins, Chester T., Bellevue, Nebr. Automobile garment support. 2,487,524, Nov. 8.
- Collins, Douglas, Salisbury, N. C. Freezer shelf construction. 2,473,508, June 21.
- Collins, Douglas, Salisbury, N. C., and G. S. Boylan, Ridgway, Pa. Power plant for motor vehicles. 2,490,418, Dec. 6.
- Collins, Edgar V., Ames, Iowa. Rotary earth scraper. 2,473,786, June 21.
- Collins, Edward R., Atlanta, Ga. Bearing for cushioned rolls of drawing frames. 2,465,634, Mar. 29.
- Collins, Elvin B., Calvert, Tex. Internal expanding pipe wrench. 2,468,867, May 3.
- Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Tube-forming device. 2,458,563, Jan. 11.
- Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Tube forming device. 2,461,372, Feb. 8.
- Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Chicago, Ill. Tube-forming apparatus. 2,484,075, Oct. 11.
- Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Tube forming device. 2,484,076, Oct. 11.
- Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Apparatus for forming closed-end tubes. 2,490,416, Dec. 6.
- Collins, George H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoes. 2,469,453, May 10.
- Collins, Henry M.: *See*—
Morrison, George O., Shaw, Mercier, and Collins.
- Collins, Howard W., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Low-pressure molding apparatus. 2,478,165, Aug. 2.
- Collins, Howard W., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for forming pipe covering sections. 2,489,121, Nov. 22.
- Collins, John A., Quebec, Quebec, Canada, assignor to Radio Corporation of America. Fuse indicating system. 2,464,848, Mar. 22.
- Collins, John E., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Flexible drive. 2,474,347, June 28.
- Collins, John E., Belleville, N. J., and A. J. Mastropole, New York, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Electric motor brake. 2,482,840, Sept. 27.
- Collins, John T., assignee: *See*—
Burke, James D.
- Collins, Lawrence B., Orange, and C. A. Langstaff, Compton, Calif. Wire line stripper. 2,465,848, Mar. 29.
- Collins, Lewis: *See*—
Marsden, Irvin, and Collins.
- Collins, Masten B., Claudeville, Va. Tobacco curer. 2,478,460, Aug. 9.
- Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Film identifying and punching device. 2,470,291, May 17.
- Collins, Neil R.: *See*—
Clarke, Robert E., and Collins.
- Collins, Patrick, Houston, Tex. Animal delivery apparatus. 2,487,425, Nov. 8.
- Collins, Paul D.: *See*—
Maynard, John E., and Collins.
- Collins Radio Company, assignee: *See*—
Abrams, Hardin T.
Brucne, Warren B.
Clark, John W.
Colander, Roy E.
Davis, Frank M.
Hubbard, Merle R.
Hunter, Theodore A.
May, Richard W.
May, Richard W., and Schweighofer.
Maki, George J.
Moseley, Francis L.
Myhre, Pearl K.
Reinschmidt, Edward H., Jr.
Salisbury, Winfield W.
Vogel, Vernon H.
- Collins Radio Company, assignee: *See*—Continued
Wetzel, Grant N.
Wirkler, Walter H.
Wulfsberg, Paul G.
- Collins, Ralph D., assignee: *See*—
Crehan, William J.
- Collins, Ralph D., Beverly Hills, Calif., and R. J. Arnold, Western Springs, Ill., assignors, by mesne assignments, to said Collins. Reversing elastic coil structures. 2,478,861, Aug. 9.
- Collins, Raymond R., Southport, Conn., and S. M. Mercier, Bexley, Ohio, said Collins assignor to The Lummus Company, New York, N. Y., and said Mercier assignor to The Jeffrey Manufacturing Company. Process and apparatus for regenerating catalyst material. 2,489,863, Nov. 29.
- Collins, Samuel C., assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass. Low-temperature refrigeration system. 2,458,894, Jan. 11.
- Collins, Thomas G.: *See*—
Clark, Charles W., and Collins.
- Collins, Thomas K., Jr., Fort Benton, Mont., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,459,624, Jan. 18.
- Collins, William M., Kansas City, Kans. Electrically heated paint scraper. 2,491,716, Dec. 20.
- Collis, Martin E., Houston, Tex. Tower-type air-conditioning apparatus. 2,480,286, Aug. 30.
- Collom, Cletus J., Southfield Township, Oakland County, assignor to Weltronic Company, Detroit, Mich. Electric control system. 2,480,000, Aug. 23.
- Collup, Doyle E., United States Army, Fort Worth, Tex., assignor to United States of America as represented by the Secretary of War. Antenna testing shield. 2,490,782, Dec. 13.
- Collura, Francesco, New York, N. Y., assignor to Millers Falls Company, Greenfield, Mass. Brush and brush holder for electric drills. 2,481,499, Sept. 13.
- Collyer, Philip W.: *See*—
Lowber, David D., Reardon, and Collyer.
Osterberg, Harold, Roebuck, and Collyer.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Automatic multiple stage telegraph system. 2,472,885, June 14.
- Colombo, Achille, New York, N. Y. Typewriting machine. 2,476,841, July 19.
- Colomer R., Emilio, Guatemala, Guatemala. Display device. 2,490,621, Dec. 6.
- Colon, Leroy L., Elmwood Park, Ill. Cribbage board. 2,482,247, Sept. 20.
- Colonas, John M.: *See*—
Lake, Francis G., and Colonas.
- Colonial Broach Company, assignee: *See*—
Halborg, Carl J.
- Colonial Motors, Inc., assignee: *See*—
Horton, John F., Jr., and Lee.
- Colonial Radio Corporation, assignee: *See*—
Burlingame, Ernest D., and Nicholson, Jr.
Carlson, Robert W.
Nicholson, Madison G., Jr.
Nicholson, Madison G., Jr., and Pontius.
Pifer, Marion J.
Wiley, Verlis H.
- Colonial Sugars Company, assignee: *See*—
Swenson, Oscar J.
- Colorado Fuel and Iron Corporation, The, assignee: *See*—
Stuart, Kenneth B.
- Colorado Iron Works Company, assignee: *See*—
Bitzer, Edmund C.
Dickson, Thomas A.
- Colorigh, Vincent L., Tulsa, Okla. Disappearing bolster for vehicles. 2,471,096, May 24.
- Colorphone, Inc., assignee: *See*—
Allen, Calvin H. and M. E.
Allen, Calvin H. and Mary E.
- Colosimo, Antone C., San Francisco, Calif. Fishing lure. 2,465,064, Mar. 22.
- Colquitt, Odie, assignor to Patents, Inc., Denver, Colo. Combination water tank and truck body. 2,474,094, June 21.
- Colson, Thomas, San Francisco, Calif. Electron counter. 2,470,920, May 24.
- Colson, U. O., assignee: *See*—
Hagen, Kenneth R.
- Colstad, Charles N., Cranston, R. I., assignor, by mesne assignments, to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Clip for writing instruments. 2,473,689, June 21.
- Colt, Edwin W.: *See*—
Ralston, Anderson W., Crews, and Colt.
- Colt, Ruger B., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Recording and controlling apparatus. 2,467,929, Apr. 19.
- Coltman, Alfred D., Vancouver, British Columbia, Canada, assignor to Grafex, Inc., Rochester, N. Y. Instrument mounting. 2,474,196, June 21.
- Coltman, John W., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vacuum seal for wave guides. 2,467,730, Apr. 19.
- Coltman, John W., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for measuring high-frequency energy. 2,488,378, Nov. 15.

- Colton, Dudley T., Martinsville, and R. L. Barbehenn, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Pipe coupling assembly. 2,486,120, Oct. 25.
- Colton, Henry S., Shaker Heights, and R. W. Frischmuth, University Heights, Ohio, and R. L. Knowles, Bronxville, N. Y. Producing potassium tungstate. 2,473,703, June 21.
- Colton, Lewis H.: *See*—
Martin, Charles S., Colton and Cooke.
- Colton, Lewis H., West Bridgford, Nottingham, England. Beard pressing means for straight bar knitting machines. 2,475,447, July 5.
- Colt's Manufacturing Company, assignee: *See*—
Conner, Benjamin E., and Tatro.
Kennedy, Horace J.
Webb, George.
- Columbia Broadcasting System, Inc., assignee: *See*—
Goldmark, Peter C.
Schlesinger, Kurt.
- Columbia Development Company, assignee: *See*—
Faber, George A., and Rubin.
- Columbia Mating Company, The, assignee: *See*—
Svenson, Carl O., and Johanson.
- Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.
- Columbia Protektosite Company, Inc., assignee: *See*—
Brunetti, Joseph.
Castelli, Charles.
- Columbia Rubber Mold Company, The, assignee: *See*—
Hrebek, Robert F.
- Columbia Specialties, Inc., assignee: *See*—
Rugh, Harry O.
- Columbia Steel Company, assignee: *See*—
Jones, Walter J.
- Columbian Carbon Company, assignee: *See*—
Dunne, John P.
Ladd, William A.
- Columbian Rope Company, assignee: *See*—
Bowes, Paul E.
- Columbus McKinnon Chain Corporation, assignee: *See*—
Britt, William H.
Manney, Charles J.
McKinnon, Archibald L.
- Columbus Plastic Products, Inc., assignee: *See*—
Braley, William J.
- Colvez, Victor J., Minneapolis, Minn. Chair. 2,466,081, Apr. 5.
- Colvez, Victor J., Minneapolis, Minn. Chair. 2,480,552, Aug. 30.
- Colvin, Donald, assignee: *See*—
Pierce, Clyde A.
- Colvin, Nolan D.: *See*—
Oehler, Alvin W., Colvin, and Paradise.
- Colvin, Nolan D., assignor to Deere & Company, Moline, Ill. Mower. 2,471,311, May 24.
- Colvin-Templeton, Inc., assignee: *See*—
Sears, Edward O.
- Colwell, Archie T., Cleveland, Ohio, assignor to Thompson Products, Inc. Making poppet valves. 2,471,936, May 31.
- Colwell, Archie T., Cleveland, Ohio, assignor to Thompson Products, Inc. Making hollow poppet valves. 2,471,937, May 31.
- Colwell, Roland W., Los Angeles, Calif. Spring actuated device. 2,488,709, Nov. 22.
- Colyer, Albert N., and N. F. Cox, Winnipeg, Manitoba, Canada. Float operated switch. 2,465,516, Mar. 29.
- Comb, David M., Belmont, Calif. Liquid level control. 2,477,511, July 26.
- Combè, Bart, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. X-ray tube comprising a disk-shaped rotary anode. 2,489,080, Nov. 22.
- Combined Optical Industries Limited, assignee: *See*—
Jeffrey, John H.
Johnson, John.
- Combs, Edward E., Long Branch, N. J. Spherical coil for variometers. 2,459,794, Jan. 25.
- Combustion Control Corporation, assignee: *See*—
Thomson, E. Craig.
- Combustion Engineering-Superheater, Inc., assignee: *See*—
Caracristi, Virginus Z.
Meissner, Harold G.
Mittendorf, Harvey C.
Nalven, Robert M.
Ostermann, Rudolf M.
Patterson, Ward S.
Williams, Arthur.
- Combustion Processes Company, assignee: *See*—
Ostermann, Rudolf M.
Urquhart, Norman J.
- Comeaux, Roy V.: *See*—
Cone, John H., and Comeaux.
- Comer, Burt, assignor of one-third to P. F. Comer and one-third to J. B. Comer, Wichita, Kans. Bottle carrier. 2,459,921, Jan. 25.
- Comer, Jerry B., assignee: *See*—
Comer, Burt.
- Comer, P. F., assignee: *See*—
Comer, Burt.
- Comer, Robert T., Jr., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Fluid cooled member for blast furnaces and the like. 2,492,269, Dec. 27.
- Comes, Donald A.: *See*—
Banbury, Fernley H., Comes and Schnuck.
- Comins, Alfred W., Lancaster, Pa., assignor to Radio Corporation of America. Voltage control system for cathode-ray tubes. 2,473,330, June 14.
- Commerce Guardian Bank: *See*—
Snell, Samuel A.
- Commerce National Bank of Toledo, executor: *See*—
Snell, Samuel A.
- Commerce Pattern Foundry & Machine Company, assignee: *See*—
Mitchell, Winifred R.
Senkus, Murray.
Tindall, John B.
Tryon, Philip F.
- Upton, Richard C.
- Commerce, the United States of America as represented by the Secretary of, assignee: *See*—
Brenner, Abner, and Meites.
- Commerce, United States of America as represented by the Secretary of, assignee: *See*—
Emerson, Walter B., and Cooter.
Fairbanks, Andrew J.
Shepherd, George M.
- Commercial Controls Corporation, assignee: *See*—
Dohl, Robert A.
Rast, Frederick Q.
Ryan, Commodore D., and Drake.
- Commercial Patents Limited, assignee: *See*—
Petty, Michael G. R., and Jones.
- Commercial Plastics Company, assignee: *See*—
Mott, Rogers J.
- Commercial Solvents Corporation, assignee: *See*—
Campbell, Arthur W.
Egley, Richard S.
Hurd, Charles D.
Johnson, Harold G.
Lingo, Shirley P.
Martin, Jerome.
McMillan, Graham W.
Morey, Glen H.
Morey, Glen H., and Smith.
O'Kane, Walter C., and Morey.
Senkus, Murray.
Smith, Everett F.
Stiles, Hugh R.
Tindall, John B.
Tryon, Philip F.
Wilkerson, Claude A.
- Commerciele Bank N. V., assignee: *See*—
de Boer, Johannes.
- Commonwealth Company, assignee: *See*—
Rhodehamel, Charles M.
- Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Fink, Albert O.
Fisher, John R., Jr.
Luaces, Enrique L.
- Commonwealth Roofing Corporation, assignee: *See*—
Ronzone, David B.
- Compact Power Products, Inc., assignee: *See*—
Voorhies, Carl.
- Compagnie De Pont-a-Mousson, assignee: *See*—
Boissou, Pierre.
- Compagnie de Pont a Mousson, assignee: *See*—
Boucher, Jacques.
- Compagnie de Produits Chimiques et Electrometallurgiques Alais, Frages et Camargue, assignee: *See*—
Fréjacques, Jean L. M.
- Compagnie de produits chimiques et electrometallurgiques Alais Froges, assignee: *See*—
- Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camarge, assignee: *See*—
Beja, Maurice, and Loisy.
Fréjacques, Jean L. M.
- Compagnie Francaise de Raffinage, assignee: *See*—
Antheaume, Jacques A. O.
- Compagnie Francaise du Signum, assignee: *See*—
Toulon, Pierre M. G.
- Compagnie Generale D'Electricite, assignee: *See*—
Gardère, Henri.
Genas, Michailas.
Hurault, Jean L.
Leroy, Robert P.
- Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Gutton, Henri.
Michel, Bernard.
Ponte, Maurice.
- Compagnie Generale Pour L'Equipement Aeronautique, assignee: *See*—
Audemar, Pierre, and Duchaussoy.
Jacubowitz, Georges.
- Compagnie Generale Pour L'Equipement Aeronautique, Societe Anonyme, assignee: *See*—
Duchaussoy, Camille C.
- Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, assignee: *See*—
Barthelemy, René.

- Compagnies Reunies des Glaces et Verres Speciaux du Nord de la France, assignee: *See*—
Delloye, André L. C.
- Compania Industrial, assignee: *See*—
Schmidt, German, and Edwards.
- Compeco Corporation, assignee: *See*—
Eastman, Fred L.
- Compo Shoe Machinery Corporation, assignee: *See*—
Dodge, Milton L.
Small, Edward F.
- Comptoir des Textiles Artificiels, assignee: *See*—
Bonnett, Andre, and Costet.
Rey, Augustin.
Roatta, Edouard, and Peyssonneaux.
- Compton, Henry P., Abilene, assignor of one-half to H. E. Montgomery, Dallas, Tex. Coin controlled package vending machine. 2,474,142, June 21.
- Comptoir, Linier, assignee: *See*—
Latieule, Yves, Cloche, and Bricout.
- Compton, Charles G., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Automatically controlled interrupter circuit. 2,480,396, Aug. 30.
- Compton, James A., South Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Submerged booster pump shutoff casing. 2,479,210, Aug. 16.
- Comstock, George F.: *See*—
Thomas, Royal D. Jr., and Comstock.
- Comstock, Herbert G., Minneapolis, Minn. Gripping means for landing fish. 2,482,576, Sept. 20.
- Comstock, Millard F., Buffalo, N. Y. Magazine pencil. 2,484,555, Oct. 11.
- Comstock & Westcott, Inc., assignee: *See*—
Young, Ernest H., and Nowacki.
- Conacher, Hugh H., Spring Hall, Birmingham, assignor to Messrs. Waldall & Assembly Limited, Birmingham, England. Motor control system. 2,481,572, Sept. 13.
- Conant, Goldsmith H., Jr., Cambridge, and J. C. Morris, Sudbury, Mass., assignors to the United States of America, as represented by the Secretary of War. Preparing a chemical composition for water purification. 2,464,198, Mar. 15.
- Conard, Charles R., Ferguson, and H. C. Bertsch, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Firming agent and using same. 2,492,735, Dec. 27.
- Conaway, Ernest A., Chicago, Ill. Combined freight car lock and seal. 2,484,077, Oct. 11.
- Conaway, Raymond E.: *See*—
Hulburt, George D., and Conaway.
- Concelman, Carl W.: *See*—
Eriksen, Kenneth, and Concelman.
- Concordet Noel, Washington, D. C. Terrestrial globe. 2,492,785, Dec. 27.
- Concordia, Charles, Schenectady, N. Y., and M. F. Dowell, Lynnfield, Mass., assignors to General Electric Company. Centrifugal impeller. 2,484,554, Oct. 11.
- Concordia Electric Safety Lamp Company Limited, The, assignee: *See*—
Cornish, John P.
- Condit, Guy H., St. Louis, Mo. Hanger support. 2,491,300, Dec. 13.
- Condit, Paul C.: *See*—
Denison, George H., Jr., and Condit.
- Condit, Paul C., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Electrolytic process for the production of cyclohexadiene dicarboxylic acids. 2,477,579, Aug. 2.
- Condit, Paul C., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Electrolytic process of preparing cyclohexadiene dicarboxylic acids. 2,477,580, Aug. 2.
- Condit, William B., H. E. Helfrick, and E. T. Poole, assignors to The Steel Products Engineering Company, Springfield, Ohio. Broken tap removing. 2,485,361, Oct. 18.
- Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of hydrocarbons. 2,474,827, July 5.
- Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Decomposition of polymeric material. 2,492,844, Dec. 27.
- Condon, Fred L., assignor to Canisteo Industries, Inc., Canisteo, N. Y. Railway crossing. 2,473,941, June 21.
- Condon, Naomi V., Detroit, Mich. Garment for infants. 2,462,165, Feb. 22.
- Cone Automatic Machine Company Inc., assignee: *See*—
Brown, Roger W.
Miller, Carroll E., and Ingalls.
- Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Annealing furnace. 2,479,814, Aug. 23.
- Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Apparatus for cooling the exhaust end of combustion tubes. 2,491,000, Dec. 13.
- Cone, John H., Pelly, and R. V. Comeaux, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of fuel oils from acid sludge. 2,487,103, Nov. 8.
- Cone, Lloyd E., Thread Co., The, assignee: *See*—
Nelson, Emil B.
- Cone, Ralph R., assignor to Riverside Mills, Augusta, Ga. Method and apparatus for making rugs. 2,482,655, Sept. 20.
- Conery, William J., Dallas, Tex., assignor, by mesne assignments, to The F. E. Myers & Bro. Company, Ashland, Ohio. Jet pumping system and apparatus. 2,466,792, Apr. 12.
- Cones, Ben, Indianapolis, Ind. Hygroscopic disk. 2,473,278, June 14.
- Coney, Herman E., Watsonville, assignor of one-half to M. G. Phillips, Salinas, Calif. Vacuum brake system. 2,467,813, Apr. 19.
- Coney, James D., Chicago, Ill., and C. B. Albert, Milwaukee, Wis.; said Coney assignor to said Albert. Garment blocker. 2,484,808, Oct. 18.
- Conger, Latham H., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Welding bung-reinforcing structures for barrels. 2,476,826, July 19.
- Congoleum-Nalrn Inc., assignee: *See*—
Charlton, Ralph W., and Rovito.
Corson, Ralph.
Hubert, Fred, Jr., and Kildare.
- Conhagen, Alfred, New York, N. Y. Intercommunication receiving switch for telephone systems. 2,491,954, Dec. 20.
- Conill, Fernan O., Cannes, France. Device for rapidly drying hair. 2,466,535, Apr. 5.
- Conill, Fernan O., Cannes, France. Drying hair. 2,481,645, Sept. 13.
- Conkey, H. D., & Company, assignee: *See*—
Carlson, Arthur B.
- Conkle, Carl J., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,488,660, Nov. 22.
- Conklin, Clarence A., Northport, N. Y. Convertible knockdown garden trellis. 2,458,931, Jan. 11.
- Conklin, Elbert F., Bridgeport, Wash. Belt and rotary brushes for shoe cleaning. 2,463,153, Mar. 1.
- Conklin, Henry E., Houston, Tex. Soft formation core bit cutterhead. 2,490,208, Dec. 6.
- Conklin, Leroy: *See*—
Seeloff, Melvin M., and Conklin.
- Conklin, Oliver E., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Optical color-separation printer. 2,466,154, Apr. 5.
- Conklin, Robert M., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Variable delivery gear pump. 2,481,646, Sept. 13.
- Conkling, Frederic E. and O. H., Miami, Fla. Stringed musical instrument. 2,492,845, Dec. 27.
- Conkling, Opal H.: *See*—
Conkling, Frederic E. and O. H.
- Conley, Arthur W., Shaker Heights, assignor to The Heater Corporation, Cleveland, Ohio. Heating apparatus. 2,474,467, June 28.
- Conley, Frank: *See*—
Brinker, John H., and Conley.
- Conley, Frank, assignor to The Globe-Wernicke Co., Cincinnati, Ohio. Drawer pull with trigger latch. 2,478,247, Aug. 9.
- Conley, Joseph T., and O. D. True, Minneapolis, Minn. Dolly for house trailers. 2,463,746, Mar. 8.
- Conley, Josephine M., Cleveland, Ohio. Stocking protector. 2,469,863, May 10.
- Conley, Waters, Company, assignee: *See*—
Boland, Ralph K., and Hagaman.
- Conlon, Francis J., Elmira, N. Y. Latch operator. 2,475,880, July 12.
- Conlon, James B., Fitchburg, Mass. Football scoreboard game. 2,492,378, Dec. 27.
- Conmar Products Corporation, assignee: *See*—
Mikulas, William, and Jones.
Natzler, Paul.
Scheuermann, Otto.
- Conn, Alfred J., Oak Park, and R. B. Stanley, Maywood, assignors to La Salle Designing Company, Chicago, Ill. Machine tool. 2,473,093, June 14.
- Conn, C. G., Ltd., assignee: *See*—
Greenleaf, Leland B.
Kent, Earle L.
Long, Thomas H.
Swanson, Earnest F.
- Conn, Raymond A., Springfield, Nova Scotia, Canada. Jaw adjusting device for pipe wrenches. 2,473,787, June 21.
- Conn, Robert C.: *See*—
Parker, Robert P., Reeves, and Conn.
Wrintham, Andrews C., Moffatt, and Conn.
- Conn, Robert C., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Liquid sulfur dye composition comprising an alkylol amine. 2,472,052, May 31.
- Conn, Robert C., Bound Brook, and R. H. Weiss, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 1-naphthylamine-2-sulfonic acid. 2,471,400, May 31.
- Connector Locks (America), Inc., assignee: *See*—
McKenzie, Samuel B.
- Connell, John A., Patterson, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Distribution of water-dispersible material throughout thermoplastic polymers. 2,480,821, Sept. 6.
- Connell, Robert, Portland, Oreg., assignor to California Container Corporation, Emeryville, Calif. Wall assembly. 2,467,581, Apr. 19.

- Connell, William H.: *See*—
Blumlein, Alan D., Connell, and Holloway.
- Connelly, Emmett L., El Monte, Calif. Child's seat for barber chairs. 2,469,548, May 10.
- Connelly, John H., Phoenix, Ariz., assignor to Southwest Airways Company. Airplane pickup device. 2,479,316, Aug. 16.
- Connelly, John R., Springfield, Mass. Automatic target machine. 2,466,686, Apr. 12.
- Connelly, John R., Springfield, and H. F. Hawthorne, Wilbraham, Mass. Optical method and apparatus for measuring the accuracy of firearms. 2,474,828, July 5.
- Conner, Benjamin F., West Hartford, and A. Tatro, Hartford, Conn., assignors to Colt's Manufacturing Company. Compact. 2,488,850, Nov. 22.
- Connolly, Charles E.: *See*—
Brand, Samuel, and Connolly.
- Connolly, Claire A., Detroit, Mich., assignor to the United States of America as represented by the Secretary of Agriculture. Crate having lifting means. 2,472,939, June 14.
- Connolly, George E., assignor to Nichols Engineering & Research Corporation, New York, N. Y. Apparatus and method for treating foundry sand. 2,478,461, Aug. 9.
- Connolly, Gerald C.: *See*—
Beach, Leland K., and Connolly.
- Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Production of synthetic gels. 2,481,825, Sept. 13.
- Connolly, Gerald C., Elizabeth, N. J., assignor to Standard Oil Development Company. Hydrocarbon conversion in presence of silica-magnesia catalyst. 2,485,260, Oct. 18.
- Connolly, Gerald C., Westfield, N. J., assignor to Standard Oil Development Company. Preparation of silica-alumina gel. 2,474,888, July 5.
- Connor Engineering and Manufacturing Company, assignee: *See*—
Connor, Lionel G.
- Connor, Lionel G., Washington, D. C., assignor to Connor Engineering and Manufacturing Company, Hyattsville, Md. Dolly jack for airplanes. 2,479,100, Aug. 16.
- Connor, Phillips M.: *See*—
Weesner, Carl W., Connor, and Hill.
- Connor, Roger, assignor to The McBee Company, Athens, Ohio. Record card. 2,460,378, Feb. 1.
- Connor, Roger, assignor to The McBee Company, Athens, Ohio. Card sorting device. 2,463,747, Mar. 8.
- Connor, Vincent T.: *See*—
Burdick, William H., Connor, and Kruse.
- Connors, John S., Cleveland, Ohio. Article rack device. 2,463,748, Mar. 8.
- Conover, Courtney, assignor to Monsanto Chemical Company, St. Louis, Mo. Synthesis of carbazole from o-amino-biphenyl with alumina as tar inhibitor. 2,479,211, Aug. 16.
- Conover, Courtney, Silver Spring, Md., assignor to Monsanto Chemical Company, St. Louis, Mo. Synthesis of carbazole from o-amino-biphenyl with metal salts as tar inhibitors. 2,479,212, Aug. 16.
- Conover, Courtney, Silver Spring, Md., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacturing carbazole. 2,481,292, Sept. 6.
- Conquest, Victor, trustee, assignee: *See*—
Bowman, Jay.
- Bowman, Jay, and Beadle.
- Conrad, Delmar R., and F. M. Reynolds, San Gabriel, Calif. Trailer hitch. 2,465,065, Mar. 22.
- Conrad, John F., Ebensburg, Pa. Trolley wire tap. 2,475,352, July 5.
- Conrad, Joseph, Hammond, Ind. Heating unit. 2,488,964, Nov. 22.
- Conrad, Joseph D., Springfield, and W. H. Lloyd, Philadelphia, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine blade lashing. 2,472,886, June 14.
- Conrad, Keith, and J. W. Hackett, Toledo, Ohio. Electric motor. 2,469,104, May 3.
- Conrad, Martin B., Houston, Tex., assignor to Airquipment Company, Burbank, Calif. Adjustable workstand. 2,466,155, Apr. 5.
- Conrad, Ralph M.: *See*—
Greene, John W., Conrad, and Rohrman.
- Conradi, Lorentz A., O. G. Gjosten, and H. Wesenberg, Ardalstangen, Norway. Recovering phosphorus and calcium aluminate slag from phosphorus-containing materials and aluminum-containing materials. 2,488,078, Nov. 15.
- Conradt, Richard J., Rochester, N. Y. Stable headrest. 2,464,435, Mar. 15.
- Conrow, Clayton L., Arroyo Grande, Calif. Adjustable binder hitch. 2,462,469, Feb. 22.
- Conroy, Charles L., assignee, et al.: *See*—
Stranberg, Don F.
- Conroy, George E.: *See*—
Conroy, Hilma A. M. and G. E.
- Conroy, Hilma A. M. and G. E., Ossining, N. Y. Holding and mounting device for electric light sockets. 2,482,656, Sept. 20.
- Considine, Douglas M., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Target tube for radiation pyrometers. 2,465,322, Mar. 22.
- Consier, Edward J., Detroit, Mich. Automatic variable-speed transmission device. 2,470,390, May 17.
- Consolazio, William V., U. S. Navy. Sodium chloride tablet. 2,478,182, Aug. 9.
- Consolidated Car-Heating Company, Inc., assignee: *See*—
Griffin, Percy M.
Parsons, Robert J.
- Consolidated Edison Company of New York, Inc., assignee: *See*—
Donovan, Lewis B.
- Consolidated Electric Lamp Company, assignee: *See*—
Brothers, John L.
- Consolidated Engineering Corporation, assignee: *See*—
Langmuir, Robert V.
McClure, Dott W. G.
Olesen, Raymond C.
Washburn, Harold W.
Washburn, Harold W., and Berry.
Wilcox, Doyle E.
- Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Betz, Paul L.
- Consolidated Iron-Steel Manufacturing Company, The, assignee: *See*—
Berger, Albert H.
- Consolidated Laundries Corporation, assignee: *See*—
Clark, Frederic B.
- Consolidated Lithographing Corporation, assignee: *See*—
Madden, James C., 3rd.
- Consolidated Mining and Smelting Company of Canada, Limited, The, assignee: *See*—
Lepsoe, Robert.
- Consolidated Royal Chemical Corporation, assignee: *See*—
Lerner, Louis L.
- Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max.
Riesenfeld, William S.
- Consolidated Vultee Aircraft Corp., assignee: *See*—
Dusevoir, Julius.
- Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bordelon, Lawrence J.
Boyle, Frank A.
Carmichael, Edward P., and Radcliffe.
Clegern, William A.
Giffen, Harvey D.
Giffen, Harvey D., and Thomson.
Havens, Glenn G.
Jackson, George R.
Johnson, Fred W.
King, Howard F.
Notestein, Edison L., and Rumpf.
Pickens, William A., and D'Vincent.
Randall, Kenneth.
Savard, Arthur J.
Smith, Herbert A.
Sonntag, Hermann.
Sutton, Harry A., and Evers.
- Consolidated Water Power and Paper Company, assignee: *See*—
Dickerman, Gilbert K.
- Consolidated Western Steel Corporation, assignee: *See*—
Babbitt, Charles A.
Noll, Paul E., and Crawford.
- Consolidated Wire Products Co., assignee: *See*—
Leber, Samuel, and Zeller.
- Constantine, Arthur R., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Air circulating blower. 2,481,980, Sept. 13.
- Constructions Electro-Mechaniques de Saint-Etienne "Ancienne Usine Wageor," assignee: *See*—
Gérentés, Jean.
- Container Corporation of America, assignee: *See*—
Arthur, William H.
Graf, Paul A.
Hunsworth, Melvin T.
Kincaid, Elbert B.
- Contenson, Jean L. A., Rueil-Malmaison, assignor to Societes Reunies Everite-Sitube, Paris, France. Device for molding and coating pipes and like articles. 2,470,068, May 10.
- Conterio, James A., Chicago, Ill. Corner wall shelf. 2,465,635, Mar. 29.
- Conterno, Charles, Brooklyn, N. Y. Gas stove valve operator guard. 2,472,793, June 14.
- Conti, John A., assignor to Hedstrom-Union Company, Gardner, Mass. Upholstered top frame for carriage body. 2,467,612, Apr. 19.
- Continental Air Filters, Inc., assignee: *See*—
Gregory, William K.
- Continental Aviation & Engineering Corporation, assignee: *See*—
Bachle, Carl F.
Hulbert, Edward A.
McDiarmid, Alexander.
Vincent, Edward T., and Bachle.
- Continental Can Company, Inc., assignee: *See*—
Ardron, Gerald L.
Coyle, John.
Coyle, John, and Punte.
Egenolf, Jacob F., and Bloser.
Evans, Raymond J., and Kurek.
Fink, Henry A.
Hermani, Louis.

- Continental Can Company, Inc., assignee: *See*—Continued.
 Kastel, Ferdinand.
 Morgan, William H.
 O'Neil, James H.
 Pearson, Paul E., and Mero.
 Priest, Clayton W.
 Punte, William F.
 Read, Harold E.
 Royal, James M.
 Schrader, Herbert.
 Simpson, Justin.
 Vang, Alfred.
 Weisenburg, Andrew.
- Continental Diamond Fibre Company, assignee: *See*—
 Petho, John A.
- Continental Electric Company, assignee: *See*—
 Hutchings, John H.
- Continental Electric Company, Inc., assignee: *See*—
 Petterson, Gustav E.
- Continental Foods, Inc., assignee: *See*—
 Galvin, Stephen L.
- Continental Gin Company, assignee: *See*—
 Smith, Algernon L.
- Continental Hospital Service, Inc., assignee: *See*—
 Dixon, Edward C., and Chilton.
- Continental, Incorporated, assignee: *See*—
 Fulton, Robert E., and Alvarez.
 Fulton, Robert E., Jr., and Alvarez.
- Continental Machines, Incorporated, assignee: *See*—
 Harrington, John A.
- Continental Motors Corporation, assignee: *See*—
 Bachle, Carl F.
 Baker, Malvern S.
 Elleman, Tom.
 Engstrom, William.
 Jackson, Thomas.
 McGowen, Frank, and Travis.
 Messner, Carlton E.
- Continental Oil Company, assignee: *See*—
 Bennett, Edwin O.
 Hersh, Joseph M.
 Lincoln, Bert H., and Hersh.
 Lincoln, Bert H., and Neilson.
 Richardson, Vernon E.
 Sander, Hans C.
- Continental Pharmacal Company, The, assignee: *See*—
 Lager, Roger K.
- Continental Research Corp., assignee: *See*—
 Gayer, Frederick H.
- Control Instrument Company, Inc., assignee: *See*—
 Feller, Anton M.
 Herr, Donald L.
 Libman, Earl E.
 Payne, Herbert.
 Seipos, Andrew G.
 Von Glahn, William.
- Controulis, John: *See*—
 Crooks, Harry M., Jr., Rebstock, Controulis and Bartz.
- Convert, Henri, Lyon, France. Two-stroke motor. 2,461,199, Feb. 8.
- Conveyor & Machinery Manufacturers, Inc., assignee: *See*—
 Herrmann, John G.
 Hope, Eric S.
- Conviser, Harry, Ardsley, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Control system. 2,487,697, Nov. 8.
- Conway, James F., Orange, N. J., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Folding box. 2,469,497, May 10.
- Conwell, Melvin E., Camp McCoy, Wis. Hair oil applicator. 2,469,763, May 10.
- Conzett, Achille, and G. Schetty, assignors to J. R. Geigy A.-G., Basel, Switzerland. Chromable azo dyestuffs. 2,468,172, Apr. 26.
- Cook, Alton A., Glen Ridge, and I. Sapers, assignors to Arkansas Company, Inc., Newark, N. J. Polyalcohol-fatty acid-aliphatic amine combinations useful as textile assistants and producing the same. 2,491,478, Dec. 20.
- Cook, Bernard M., Detroit, Mich. Auxiliary spring for motor vehicles. 2,466,384, Apr. 5.
- Cook Bros.: *See*—
 Harbers, Henry C.
- Cook Bros., assignee: *See*—
 Williams, Harrison J., and Ambarcumian.
- Cook, Carroll R., Lenawee County, Mich. Farm implement or loader. 2,472,194, June 7.
- Cook, Charles E., assignee: *See*—
 Harbers, Henry C.
- Cook, Charles R., Seattle, Wash. House wiring circuit. 2,477,862, Aug. 2.
- Cook, Chester K., Vallejo, Calif. Piston for hydraulic jacks. 2,468,322, Apr. 26.
- Cook, Clifford D., Prosser, Wash. Scarifier attachment to go on end of patrol blade. 2,477,477, July 26.
- Cook, Earle S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake equipment. 2,485,815, Oct. 25.
- Cook, Earle S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Apparatus for controlling brake cylinder pressure. 2,490,996, Dec. 13.
- Cook, Earle S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder pressure control apparatus. 2,490,997, Dec. 13.
- Cook, Earle S., Forest Hills, G. T. McClure, McKeesport, and J. W. Rush, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Load compensating fluid pressure brake apparatus. 2,482,246, Sept. 20.
- Cook Electric Company, assignee: *See*—
 Baker, John S.
 Cook, Raymond W.
 Gehr, Frederick W.
 Hasselhorn, Walter C.
 Hasselhorn, Walter C., and Ziebold.
 McMichael, Leigh W.
 Ross, Arthur E.
- Cook, Ellsworth D., Scotia, N. Y., assignor to General Electric Company. Damping for dynamic loudspeakers. 2,489,862, Nov. 29.
- Cook, Elmer W.: *See*—
 Moss, Philip H., and Cook.
- Cook, Elmer W., assignor to American Cyanamid Company, New York, N. Y. Stabilization of soap. 2,467,295, Apr. 12.
- Cook, Elmer W., New York, N. Y., and P. H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Quaternary ammonium compounds. 2,459,062, Jan. 11.
- Cook, Elmer W., New York, N. Y., and P. H. Moss, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Divalent metal salts of halogen substituted phenylol sulfides. 2,459,063, Jan. 11.
- Cook, Elmer W., New York, N. Y., and P. H. Moss, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Mildew-proofing. 2,471,261, May 24.
- Cook, Ernest E.: *See*—
 Simer, Jerome, and Cook.
- Cook, Ernest E., and H. J. Sadler, assignors to Almco, Incorporated, Minneapolis, Minn. Deburring and polishing apparatus. 2,470,340, May 17.
- Cook, Ernest P., Berlin, assignor to Improved Paper Machinery Corporation, Nashua, N. H. Rotary pump for thick fibrous suspensions. 2,460,278, Feb. 1.
- Cook, Everett J., assignor to Cook Research Laboratory, Inc., Toledo, Ohio. Differential lock. 2,459,870, Jan. 25.
- Cook, Everett J., Toledo, Ohio. Microphotographic apparatus. 2,484,448, Oct. 11.
- Cook, George M.: *See*—
 Stokely, John M., and Cook.
- Cook, George W., Washington, D. C. Wave analyzer. 2,465,355, Mar. 29.
- Cook, Harold J., U. S. Army, New Orleans, La. Nut peeler. 2,461,524, Feb. 15.
- Cook, Harold S., Jr., Pasadena, Calif. Silicone insulating paper material. 2,477,787, Aug. 2.
- Cook, Howard F., assignee: *See*—
 Harbers, Henry C.
- Cook, Ira A., Milan, Mo. Mouse trap. 2,481,907, Sept. 13.
- Cook, Jackson H., and D. H. Schell, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective control apparatus. 2,466,080, Apr. 5.
- Cook, James G., J. T. Dickson, and A. R. Lowe, Blackley, Manchester, and J. R. Whinfield, Accrington, England, assignors to Imperial Chemical Industries Limited. Highly polymeric linear esters. 2,471,023, May 24.
- Cook, James M., and R. C. Lang, assignors to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich. Cooking stove broiler and door assembly. 2,474,225, June 28.
- Cook, James M., and S. C. Salter, assignors to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich. Cooking stove or range. 2,485,359, Oct. 18.
- Cook, Jay E., Baltimore, Md. Shipping container for amphibious and aquatic animals. 2,476,704, July 19.
- Cook, John, Ridgewood, N. J. Three-phase electric resistance wire heating apparatus. 2,457,870, Jan. 4.
- Cook, John B., and L. L. Jugle, assignors to Reliable Electric Company, Chicago, Ill. Wire supporting device. 2,473,363, June 14.
- Cook, John C., Afton, Wyo., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical storage device. 2,461,144, Feb. 8.
- Cook, John J., assignor to John J. Cook Manufacturing Corporation, Detroit, Mich. Antiskid device for tires. 2,478,371, Aug. 9.
- Cook, John J., Manufacturing Corporation, assignee: *See*—
 Cook, John J.
- Cook, John V., Wilmette, Ill. Machine for breaking fibrous materials. 2,460,448, Feb. 1.
- Cook, John W., York, S. C. Spring. 2,462,363, Feb. 22.
- Cook, Kenneth E., Seattle, Wash. Vehicle construction. 2,466,791, Apr. 12.
- Cook, Lee R.: *See*—
 Emerson, Charles G., and Cook.
- Cook, Leo W.: *See*—
 Nutt, Harold, and Cook.
- Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Control switch for discharge lamps. 2,462,308, Feb. 22.

- Cook, Lucien H., Jackson Heights, and W. J. Rosenbloom, White Plains, assignors to American Cyanamid Company, New York, N. Y. Evaporating aqueous solutions containing HCN. 2,489,703, Nov. 29.
- Cook, Mark F., Mulberry, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa. Tube working apparatus. 2,460,490, Feb. 1.
- Cook, Milford M., Visalia, Calif. Fluid pressure actuated tire mounting or demounting device. 2,473,571, June 21.
- Cook, Milford M., Visalia, Calif. Tool for forcing resilient tire beads into the drop center of a wheel rim. 2,485,700, Oct. 25.
- Cook, Percy E.: *See*—
McArn, Donald G., and Cook.
- Cook, Raymond W., deceased, Bristol, Conn.; Bristol Bank and Trust Company and R. B. Cook, executors. Ventilating hatch for boats. 2,476,402, July 19.
- Cook, Raymond W., deceased, Bristol, Conn.; Bristol Bank and Trust Company and R. B. Cook, executors. Guide clip for slidably attaching sails to stay ropes. 2,476,403, July 19.
- Cook Research Laboratory, Inc., assignee: *See*—
Cook, Everett J.
- Cook, Sherman H., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Motion transmission mechanism. 2,473,362, June 14.
- Cook, Thomas L., San Francisco, Calif. Machine for applying labels to containers. 2,468,922, May 3.
- Cook, Wilder H., Athens, N. Y. Refrigerant condenser for mechanical refrigerating machines. 2,487,852, Nov. 15.
- Cook, Willard G., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,476,859, July 19.
- Cook, Willard G., Wilkensburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,479,317, Aug. 16.
- Cook, William H., Marco, Fla. Egg breaker and separator. 2,476,356, July 19.
- Cook, William H., Toledo, Ohio. Electric fitting. 2,466,930, Apr. 12.
- Cook, William H., Toledo, Ohio. Electric connector. 2,482,965, Sept. 27.
- Cook, William H., Toledo, Ohio. Terminal mounting electric fitting. 2,482,966, Sept. 27.
- Cook, William H., Toledo, Ohio. Reciprocating cylinder engine. 2,482,967, Sept. 27.
- Cook, William W., Washington, D. C. Meat carving rack. 2,467,611, Apr. 19.
- Cooke, Albert E.: *See*—
Martin, Charles S., Colton and Cooke.
- Cooke, Cecil, Reading, England. Surgical hand-pressure bone gouge. 2,487,221, Nov. 8.
- Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Copying machine with optical system. 2,460,491, Feb. 1.
- Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Copying machine with optical system. 2,465,010, Mar. 22.
- Cooke, Ernest A., and A. H. Greenhalgh, assignors to Taylor, Taylor & Hobson Limited, Leicester, England. Photoelectric scanning device for copying machines. 2,464,293, Mar. 15.
- Cooke, Giles B., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cork compositions and their preparation. 2,463,952, Mar. 8.
- Cooke, H. Lester, Jr., assignee, trustee: *See*—
Cooke, Hereward L.
- Cooke, Hereward L., Princeton, N. J., assignor, by mesne assignments, to H. L. Cooke, Jr., P. C. Stewart, and R. Prickett, as trustees. Method and apparatus for photographic scanning. 2,464,793, Mar. 22.
- Cooke, Hereward L., Princeton, N. J., assignor, by mesne assignments, to H. L. Cooke, Jr., P. C. Stewart, and R. Prickett, as trustees. Projection apparatus and preparing three dimensional models. 2,464,794, Mar. 22.
- Cooke, Hereward L., Princeton, N. J., assignor, by mesne assignments, to H. L. Cooke, Jr., P. C. Stewart, and R. Prickett, as trustees. Topographical map projecting apparatus. 2,464,795, Mar. 22.
- Cooke, Maurice D.: *See*—
Staudinger, Hanns P., Faulkner, and Cooke.
- Cooke, William T.: *See*—
Moseley, Francis L., and Cooke.
- Cooke, William T., Garden City, J. J. Caldwell, Jr., Merrick, N. Y., and D. G. Clifford, Palo Alto, Calif., assignors to The Sperry Corporation. High-frequency tube structure. 2,463,519, Mar. 8.
- Cooke, William T., and J. J. Caldwell, Jr., Palo Alto, Calif., and D. G. Clifford, Montclair, N. J., assignors to The Sperry Corporation. High-frequency tube structure. 2,490,030, Dec. 6.
- Cooklin, Leonard, and T. R. Hollis, Birmingham, England. Collapsible carriage. 2,463,247, Mar. 1.
- Cookson, Leonard T.: *See*—
Laure, George R., and Cookson.
- Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Continuous injection machine. 2,457,977, Jan. 4.
- Cooley, Austin G., New York, N. Y., assignor to Times Facsimile Corporation. Tuning fork and control system. 2,469,951, May 10.
- Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Tuning fork. 2,489,400, Nov. 29.
- Cooley, Austin G., assignor to Times Facsimile Corporation, New York, N. Y. Facsimile synchronizing device. 2,492,621, Dec. 27.
- Cooley, David B., assignor of forty-five per cent to A. Mittauer, Jr., Jacksonville, Fla. Pitch adjusting mechanism for propellers. 2,478,244, Aug. 9.
- Cooley, Hal, Portland, Oreg. Magnetic switch apparatus. 2,473,468, June 14.
- Cooley, William F., Oakland, Calif. Evaporator unit. 2,468,292, Apr. 26.
- Coombes, Hector C., Sydney, New South Wales, Australia. Variable ratio gear drive. 2,465,201, Mar. 22.
- Coombs, Robert S., San Francisco, Calif. Automobile signal. 2,463,088, Mar. 1.
- Coon, Charles W., Berkeley, Calif. Motion-picture camera case. 2,482,248, Sept. 20.
- Coon, Harold R., Sr.: *See*—
Rapp, Earl J., and Coon, Sr.
- Coon, John E., Dozier, Ala. Plow. 2,467,111, Apr. 12.
- Coon, John M., Verona, and J. B. Rust, West Orange, N. J. Polymeric mono-isolefinic materials and making same. 2,459,501, Jan. 18.
- Cooen, James E., Neenah, Wis. Skid platform. 2,465,148, Mar. 22.
- Cooney, John L., Erie, Pa. Strainer. 2,466,304, Apr. 5.
- Cooney, John L., Erie, Pa. Valve. 2,481,293, Sept. 6.
- Cooney, John R., Waldoboro, Maine. Sound-reproducing device. 2,465,849, Mar. 29.
- Coonradt, Harry L.: *See*—
Hartough, Howard D., and Coonradt.
White, Ralph V., and Coonradt.
- Coonradt, Harry L., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Continuous process for preparing halothiophenes. 2,492,622, Dec. 27.
- Coonradt, Harry L., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of trichlorothiophene. 2,492,623, Dec. 27.
- Coonradt, Harry L., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of tetrachlorothiophene. 2,492,624, Dec. 27.
- Cooms, Burton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Pear orienting and feeding apparatus. 2,471,479, May 31.
- Cooms, Curtis C., North Canton, Ohio. Hanger device for automobile windows. 2,461,722, Feb. 15.
- Cooms, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,487,791, Nov. 15.
- Cooms, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,489,752, Nov. 29.
- Cooms, Stephen A., near Millville, N. J. Hoisting hitch. 2,487,853, Nov. 15.
- Cooper, Abraham S., Brooklyn, N. Y. Handbag sounding device. 2,461,588, Feb. 15.
- Cooper, Allyn R., Marshalltown, Iowa. Clutch control. 2,458,767, Jan. 11.
- Cooper, Benjamin, Netcong, and A. F. Hohmann, Teaneck, N. J.; said Hohmann, assignor to said Cooper. Torque amplifier and revolution accumulator. 2,460,808, Feb. 8.
- Cooper, Benjamin, New York, N. Y., and A. F. Hohmann, Teaneck, N. J.; said Hohmann assignor to said Cooper. Electric iron having a supporting mechanism. 2,468,813, May 3.
- Cooper, Benjamin, Scotia, N. Y., assignor to General Electric Company. Thyatron motor control system. 2,469,862, May 10.
- Cooper, Benjamin G., assignor to W. E. Dunn Manufacturing Company, Holland, Mich. Cement slab molding machine. 2,458,564, Jan. 11.
- Cooper, Charles L., assignee: *See*—
Atwood, Ralph W.
- Cooper, Clifford E., Newtown, near Sydney, New South Wales, Australia. Adjustable louver shutter or blind. Re. 23,182, Dec. 13.
- Cooper, Clifford E., Newtown, near Sydney, New South Wales, Australia. Adjustable louver shutter or blind. 2,457,781, Jan. 4.
- Cooper, Daniel W., Southampton, England. Pulley, more particularly for aircraft. 2,478,806, Aug. 9.
- Cooper, Delmer C.: *See*—
Hagemeyer, Hugh J., Jr., and Cooper.
- Cooper, Eli G.: *See*—
Barker, Robert S., Ballinger, Fletcher, Cooper, and Lambert.
- Garand, John C., Cooper, Bird, and Miller.
- Cooper, Ellis W., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Making stretching machine jaws. 2,482,841, Sept. 27.
- Cooper, Ernest E., Lafayette, R. I. Pivoted side-jaw wrench having manually-controlled slidable-wedge lock. 2,462,364, Feb. 22.
- Cooper, Fred B., Moose Jaw, Saskatchewan, Canada. Teeth cleaning assembly. 2,469,261, May 3.
- Cooper, Fred E., Gardena, Calif. Fluid pressure motor with piston actuated pilot control means. 2,490,000, Nov. 29.
- Cooper, Frederick A., Bluefield, W. Va. Window shade fixture. 2,490,016, Dec. 6.
- Cooper, Hal B. H.: *See*—
Medcalf, Eugene C., Cooper, and Sisco.
- Cooper, Harry P., Chicago, Ill. Steam generator. 2,478,569, Aug. 9.

- Cooper, Henry J., High Lane, near Stockport, England. Shedding means for circular looms for weaving. 2,476,357, July 19.
- Cooper, Howell C., Sewickley, Pa. Heat transfer and precipitation means. 2,484,875, Oct. 18.
- Cooper, Hugh S., Cleveland Heights, assignor to Acme Aluminum Alloys, Inc., Dayton, Ohio. Treating aluminum-magnesium alloys. 2,463,021, Mar. 1.
- Cooper, Hugh S., Cleveland, Ohio. Cobalt base alloy composition. 2,469,715, May 10.
- Cooper, Hugh S., Cleveland Heights, and V. Tzvetcoff, assignors to Acme Aluminum Alloys, Inc., Dayton, Ohio. Treating aluminum magnesium alloys. 2,463,022, Mar. 1.
- Cooper, Irving H.: *See*—
Uhl, Herbert B., and Cooper.
- Cooper, James H., assignor to H. Weatherford, Jr., Memphis, Tenn. Engine protective device. 2,471,387, May 24.
- Cooper, James T., and J. T. Logan, Atlanta, Ga., assignors to General Electric Company. Pressure operated switch. 2,480,553, Aug. 30.
- Cooper, John H., Cheswick, Pa., assignor to Allegheny Ludlum Steel Corporation. Enclosing shield for electrical applications. 2,488,710, Nov. 22.
- Cooper, Joseph G., Duquesne, Pa., assignor to Carnegie-Illinois Steel Corporation. Grinder attachment for spark testing. 2,483,582, Oct. 4.
- Cooper, Joseph H., and C. E. Smith, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Method and apparatus for flash butt welding. 2,488,899, Nov. 22.
- Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Control for free-piston units. 2,458,147, Jan. 4.
- Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Spill port control for free-piston units. 2,469,714, May 10.
- Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Control for free-piston units. 2,481,908, Sept. 13.
- Cooper, Leo, Stamford, Conn. Fish lure. 2,482,466, Sept. 20.
- Cooper, Lula C., Richmond, Va. Stretcher. 2,467,522, Apr. 19.
- Cooper, Lyle M., Rahway, N. J., assignor to Standard Oil Development Company. Pressure vessel safety device. 2,487,104, Nov. 8.
- Cooper, Nelson D.: *See*—
King, George E., Cooper, and Caldwell.
- Cooper, Nelson D., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,482,101, Sept. 20.
- Cooper, Nelson D., Mariemont, and E. A. Ruchty, Norwood, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Magnetic servo operator. 2,473,572, June 21.
- Cooper, Ray E.: *See*—
Gaarder, Herbert M., and Cooper.
- Cooper, Robert E., Fort Monroe, Va., assignor to Flexible Sewer Rod Equipment Co., Los Angeles, Calif. Flexible sewer rod coupling feeler. 2,471,060, May 24.
- Cooper, Roland S.: *See*—
Karlsson, Per Hilmer, and Cooper.
- Cooper, Victor J., Writtle, and E. Green, Writtle, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge tube high-frequency amplifier and modulating circuits therefor. 2,472,195, June 7.
- Cooper, William A.: *See*—
Macdonald, William G., and Cooper.
- Cooper, William A., Loughborough, and E. Start, Kylestrome, Wilford, assignors to William Cotton Limited, Loughborough, England. Straight bar knitting machine. 2,466,536, Apr. 5.
- Cooper, William B., and E. J. Seabold, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Annealing and cleaning cold rolled strip steel. 2,478,964, Aug. 16.
- Cooperider, Noel L., and W. D. Damme, assignors to Butler Manufacturing Company, Kansas City, Mo. Filter strainer. 2,475,561, July 5.
- Cooper's, Incorporated, assignee: *See*—
Knebler, Arthur R.
- Coote, Harry E.: *See*—
Von Fraunhofer, Hans, and Coote.
- Cooter, Irvin L.: *See*—
Emerson, Walter B., and Cooter.
- Coover, Harry W., J. B. Dickey, and E. B. Towne, assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds. 2,459,149, Jan. 18.
- Coover, Harry W., and N. J. Bowman, Rochester, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. Substituted pyridine compounds. 2,481,573, Sept. 13.
- Coover, Harry W., Jr.: *See*—
Dickey, Joseph B., Stanin and Coover, Jr.
- Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Benzoid acid esters of alicyclic (Sec.) amino alkanols. 2,486,374, Nov. 1.
- Cope, Arthur C., Belmont, Mass., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alicyclic (secondary) amino alkyl benzoates. 2,486,375, Nov. 1.
- Cope, Arthur C., Englewood, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkamine esters of para amino benzoic acid. 2,459,217, Jan. 18.
- Cope, Clifford L., assignor to The A P Parts Corporation, Toledo, Ohio. Cutting instrument. 2,465,305, Mar. 22.
- Cope, Eura A., Fairfield, Ala. Foot operator for electric controllers. 2,476,703, July 19.
- Copeland, Everett D., assignee: *See*—
Johnson, Chester W.
- Copeland, Lewis C., Palmerton, and C. W. Farber, Bowmanstown, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Production of titanium dioxide. 2,486,465, Nov. 1.
- Copeland, Paul B., and H. L. Morris, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Core box vent. 2,482,321, Sept. 20.
- Copeland, Ralph L., Piedmont, Calif. Aileron-rudder tab linkage. Re. 23,143, Aug. 23.
- Copeland, Ralph L., Alameda County, Calif. Adjustable hydraulic turbine transmission. 2,464,215, Mar. 15.
- Copeland, Robert J., Toronto, Ontario, Canada. Visible card index. 2,460,449, Feb. 1.
- Copeman Laboratories Company, assignee: *See*—
Copeman, Lloyd G.
Jennings, Harley Y.
- Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Cream separator. 2,477,863, Aug. 2.
- Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Apparatus for dispensing ice cubes. 2,484,017, Oct. 11.
- Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Dialkylidene diethers. 2,487,525, Nov. 8.
- Copersito, Anthony F. and F. J., Brooklyn, N. Y. Electric heater. 2,465,850, Mar. 29.
- Copersito, Frank J.: *See*—
Copersito, Anthony F. and F. J.
- Coplan, Louis, Ottawa, Ontario, Canada. Fuel computing device. 2,489,401, Nov. 29.
- Copley, Harold E., Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y. Removing electroscopic powder from an electrophotographic plate. 2,484,782, Oct. 11.
- Coplon, Sherman S., Kenmore, N. Y. Combined spectacle, memorandum, and accessories case. 2,479,472, Aug. 16.
- Copp, Earle M., Bronxville, N. Y., assignor to Graver Tank & Mfg. Co., Inc. Sugar juice treatment. 2,488,851, Nov. 22.
- Copp, Warren F., St. Clairsville, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Welding together metal strip ends. 2,459,625, Jan. 18.
- Coppenberger, Orville C., assignee: *See*—
Phillips, Harold B., and Kirkpatrick.
- Copping, Bruce G., Fulton County, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Beverage dispensing device. 2,469,327, May 3.
- Coppinger, Erskine H.: *See*—
Pollock, John A., and Coppinger.
- Coppleman, Archie E., assignee: *See*—
Ritter, Saldee M.
- Coppock, Kenneth E.: *See*—
Goodwin, Harold L., and Coppock.
- Coppola, Charles J., assignor to Chas. A. Schieren Company, New York, N. Y. Cup forming machine. 2,468,616, Apr. 26.
- Coppotelli, Albert J., Dixon, Ill. Small arms explosive shell. 2,463,154, Mar. 1.
- Coppus Engineering Corporation, assignee: *See*—
Gibson, Carl W.
- Copson, Harry R., Cranford, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Prevention of pencilling corrosion of metallic salt bath electrodes. 2,464,922, Mar. 22.
- Corbat, Paul: *See*—
Fremoll, Romualdo, and Corbat.
- Corbett, John P., Van Nuys, Calif. Boxing glove. 2,466,793, Apr. 12.
- Corbett, Ray F., Lewisburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phonograph pickup. 2,482,467, Sept. 20.
- Corbett, Reginald S., Altrincham, England. Washing device for vehicles and other objects. 2,484,488, Oct. 11.
- Corbiere, Paul C. E. J., Lyon, assignor to Societe "Rhodiaceta", Paris, France. Catalytic production of ketene from acetic acid. 2,483,883, Oct. 4.
- Corbiere, Paul C. E. J., and R. E. F. Stuchlik, Lyon, assignors to Societe Rhodiaceta, Paris, France. Manufacture of solutions of polyvinyl derivatives. 2,481,294, Sept. 6.
- Corbitt, Howard E., Alhambra, assignor to Howard Corbitt, Incorporated, Montrose, Calif. Rotary device for juicing oranges. 2,487,043, Nov. 8.
- Corbitt, Howard, Incorporated, assignee: *See*—
Corbitt, Howard E.
- Corblin, Henri, deceased, Paris, France; P. Caziol, executor. Sterilization and purification of air. 2,477,964, Aug. 2.
- Corbliss, George A., Long Island City, N. Y. Electric ironing cord guide. 2,471,312, May 24.

- Corbyn, David B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Electrically operated vibrator apparatus. 2,472,367, June 7.
- Corcodilos, James N., Hightstown, N. J. Educational toy blocks. 2,482,402, Sept. 20.
- Corcoran, Herbert J., Detroit, Mich. Hydraulic brake mechanism. 2,463,520, Mar. 8.
- Corcoran, James C., Harrison, N. J. Sash retainer. 2,490,676, Dec. 6.
- Corcoran, James L., Bridgeport, Conn., and E. K. Falls, Potsdam, N. Y., and P. A. Bhold, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Safety valve. 2,476,285, July 19.
- Cordell, Irving, Los Angeles, Calif., assignor to Storm Manufacturing Company, Inc., Minneapolis, Minn. Boring machine with chip remover. 2,486,555, Nov. 1.
- Cordero, Modesto, assignee: *See—*
Cordero, Modesto L.
- Cordero, Modesto L., assignor to M. Cordero, New York, N. Y. Towel steaming appliance. 2,485,140, Oct. 18.
- Cordier, David E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Thermosetting urea-formaldehyde composition. 2,469,157, May 3.
- Cordrey, Hancil, and W. J. Duval, Chula Vista, Calif. Keyless lock. 2,473,052, June 14.
- Core, Aaron F., Sacramento, Calif. Plasterboard hoist. 2,472,887, June 14.
- Core, James A., Detroit, Mich. Aerial projectile. 2,490,031, Dec. 6.
- Corey, Donald W., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,459,218, Jan. 18.
- Corey, William G., Altadena, Calif. Lubrication of air counterbalance cylinders. 2,486,705, Nov. 1.
- Corhanidis, Sébastien S., Athens, Greece. Refrigerating apparatus including a cabinet having means for suspending it from the wall of a space to be cooled. 2,489,009, Nov. 22.
- Corhart Refractories Company, assignee: *See—*
Field, Theodore E.
- Corigliano, Marco A., Brooklyn, N. Y. Combined key case and flashlight. 2,481,295, Sept. 6.
- Cork, Bruce B., Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Transmit-receive system. 2,472,196, June 7.
- Cork, Bruce B., Cambridge, and G. R. Brewer, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Transmit-receive device. 2,478,245, Aug. 9.
- Cork, Edward C., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Apparatus for measuring field intensity in high-frequency electric fields. 2,458,565, Jan. 11.
- Cork, Edward C., Ealing, London, assignor to Electrical & Musical Industries Limited, Hayes, England. Broad band antenna. 2,485,482, Oct. 18.
- Cork, Edward C., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. High-frequency transmission line or cable and connector therefor. 2,490,622, Dec. 6.
- Cork, Edward C., and M. B.-M. Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Apparatus for the radiation or reception of electromagnetic waves. 2,459,768, Jan. 18.
- Cork, Spencer M.: *See—*
Colaico, August P., and Cork.
- Corkery, Frank W., Crafton, and J. W. Church, Mount Lebanon, assignors to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Chewing gum base. 2,468,393, Apr. 26.
- Corkery, Frank W., Crafton, and S. G. Burroughs, Pittsburgh, assignors to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making terpene resins. 2,483,124, Sept. 27.
- Corkran, Austin G., Philadelphia, Pa. Speed responsive motor control system. 2,467,582, Apr. 19.
- Corlett, Webster D., Oak Park, Ill., assignor to Standard Screw Company, Hartford, Conn. Making tappets. 2,467,079, Apr. 12.
- Corley, Hoyt M.: *See—*
Ralston, Anderson W., and Corley.
- Corliss, Harris E., Jericho, Vt. Revolving mercury flasher. 2,465,066, Mar. 22.
- Corliss, Lester M.: *See—*
Stareck, Jesse E., and Corliss.
- Cormany, David R., Long Beach, Calif. Tubing rotator. 2,471,198, May 24.
- Corn Industries Research Foundation, assignee: *See—*
Bechtel, Welker G., and Kesler.
- Corn Products Refining Company, assignee: *See—*
Baldwin, Arthur R., and Hach.
Bonner, William A., and Hurd.
Kerr, Ralph W.
Sowden, John C., and Fischer.
- Corn, William H., Pisgah Forest, N. C., assignor to Ecusta Paper Corporation. Web spreading device. 2,486,121, Oct. 25.
- Cornalba, Tulio H. A., Buenos Aires, Argentina. Stereo-optical system. 2,492,270, Dec. 27.
- Cornelius, Edward B.: *See—*
Mills, George A., and Cornelius.
- Cornelius, Frank H., Lancaster, Pa. Process and apparatus for exchanging heat. 2,464,072, Mar. 8.
- Cornelius, Harry L.: *See—*
Paffen, Fred W., and Cornelius.
- Cornelius, James R., Coventry, England. Supporting of casements. 2,474,468, June 28.
- Cornelius, Richard T., Minneapolis, Minn. Musical instrument. 2,484,930, Oct. 18.
- Cornelius, Yngve R., Seattle, Wash., assignor to Accuheat Electric, Portland, Oreg. Heating apparatus. 2,458,835, Jan. 11.
- Cornell Aeronautical Laboratory, Inc., assignee: *See—*
Steward, Colby W.
Steward, Colby W., and Rivenburgh.
- Cornell-Dubilier Electric Corporation, assignee: *See—*
Compton, Charles G.
Garstang, William W.
Hings, Donald L.
Mas, José A.
Weiss, Felix.
- Cornell, Mead: *See—*
Bergman, Charles P., and Cornell.
- Cornell, Robert C., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for the treatment of molten metals. 2,472,465, June 7.
- Corner, Eugene S., Roselle, N. J., assignor to Standard Oil Development Company. Preparing a silica-magnesia gel catalyst. 2,470,411, May 17.
- Corner, James O., and D. W. Woodward, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye intermediates. 2,465,067, Mar. 22.
- Cornercroft, Limited, assignee: *See—*
Kycroft, Norman.
- Corning Glass Works, assignee: *See—*
Armistead, William H.
Baker, Clyde A., and Hinkley.
Davis, James K.
De Voe, Charles F.
Daudt, William H.
Hood, Harrison F.
Hyde, James F.
Hyde, James F., and Daudt.
Johannson, Oscar K.
McGregor, Rob R., and Warrick.
Mochel, John M.
Nordberg, Martin E.
Orr, Percy L.
Shaw, Morton R., Jr.
Stong, Guy E.
Warrick, Earl L.
- Cornish-Besa, Antonio, Santiago, Chile. Pencil point sharpener. 2,469,952, May 10.
- Cornish, Irving K.: *See—*
Paxton, John W., and Cornish.
- Cornish, John P., Penarth, assignor to The Concordia Electric Safety Lamp Company Limited, Cardiff, Wales. Push-button operated electric switch. 2,475,696, July 12.
- Corns, Edwin A.: *See—*
Wilson, Lee, and Corns.
- Cornthwaite, William R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of vinyl esters in solution in dioxane, tetrahydrofuran, or tetrahydropyran. 2,492,929, Dec. 27.
- Cornthwaite, William R., Wilmington, Del., and H. W. Bryant, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl acetate polymerization process. 2,468,923, May 3.
- Cornthwaite, William R., and N. W. Flodin, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyvinyl ketals. 2,474,095, June 21.
- Cornthwaite, William R., Wilmington, Del., and H. W. Bryant, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous emulsion polymerization of vinyl acetate. 2,485,141, Oct. 18.
- Cornwall, John H., North Creek, assignor to United States Radium Corporation, New York, N. Y. Photometer. 2,478,745, Aug. 9.
- Cornwall, Leo W., San Diego, assignor to Veterans Guild of America, Chula Vista, Calif. Electric motor. 2,490,209, Dec. 6.
- Cornwell, Catherine B., Belmont, Calif. Drinking tube holder. 2,469,292, May 3.
- Cornwell, Lionel B., New Canaan, Conn. Magnetic phonograph pickup. 2,485,432, Oct. 18.
- Cornwell, Ralph E., La Canada, Calif. Hydraulic braking mechanism. 2,469,632, May 10.
- Cornwell, Ralph T. K., Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Composition capable of being molded and being cast into films. 2,487,105, Nov. 8.
- Cornwell, Ralph T. K., Rosemont, Pa., assignor to American Viscose Corporation, Wilmington, Del. Composition capable of being molded and being cast into films. 2,487,106, Nov. 8.
- Corona Enterprises, Inc., assignee: *See—*
Rona, Gustav G.
- Coronet Phosphate Company, assignee: *See—*
Maust, Ernest J., and Hollingsworth.

- Coroniti, Samuel C., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Control circuit. 2,492,685, Dec. 27.
- Corporon, Richard P.: *See*—
Weschler, William S., Roetter, and Corporon.
- Correale, Ernest and J., Jersey City, N. J. Shuffleboard-billiard table with replaceable top. 2,470,238, May 17.
- Correale, Ernest and J., Jersey City, N. J. Pool table with adjustable cue rack. 2,470,239, May 17.
- Correale, Joseph: *See*—
Correale, Ernest and J.
- Correll, John T., assignor to The Upjohn Company, Kalamazoo, Mich. Therapeutic sponge and making. 2,465,357, Mar. 29.
- Corren, Sidney A., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Article handling apparatus. 2,460,379, Feb. 1.
- Corrigan, Andrew W., Rockford, Ill. Poultry feeder. 2,461,525, Feb. 15.
- Corrigan, John R.: *See*—
Moore, Maurice L., and Corrigan.
- Corrigan, Thomas E., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Making a dust-free alkaline detergent product. 2,463,680, Mar. 8.
- Corrington, Murlan S., Camden, N. J., assignor to Radio Corporation of America. Voltage regulator. 2,483,755, Oct. 4.
- Corrington, Murlan S., Camden, N. J., assignor to Radio Corporation of America. Locked-in oscillator circuits. 2,488,584, Nov. 22.
- Corrington, Murlan S., Camden, N. J., assignor to Radio Corporation of America. Frequency modulation receiver. 2,488,585, Nov. 22.
- Corse, Joseph W.: *See*—
Behrens, Otto K., Corse, Jones, and Soper.
Behrens, Otto K., Jones, and Corse.
- Corson, Ben B., assignor to Koppers Company, Inc., Pittsburgh, Pa. Prevention of corrosion in catalytic reactions involving the use of phosphorus acid catalysts. 2,478,897, Aug. 16.
- Corson, Ben B., and G. A. Webb, assignors, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Dehydrogenation process. 2,470,092, May 17.
- Corson, Ralph, Arlington, N. J., assignor to Congoleum-Nairn Inc. Roll packaging means. 2,474,657, June 28.
- Corson, William G., Barberton, Ohio. Apparatus for forming retreading strips for tires. 2,469,633, May 10.
- Corte, Alfred, Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Bolt mechanism for guns. 2,466,577, Apr. 5.
- Corte, Alfred, Tampa, Fla., assignor to Lockheed Aircraft Corporation. Cartridge feeding mechanism. 2,466,578, Apr. 5.
- Cortese, Elda E., and R. Ramirez, Buenos Aires, Argentina, Clearer for internally pocketed assorting cylinder. 2,478,246, Aug. 9.
- Cortese, Francesco P., Highland Park, Mich. Jacket for feeding bottles. 2,482,322, Sept. 20.
- Cortese, Ralph, Newark, N. J. Electrode. 2,473,413, June 14.
- Corubia, Blanche, New York, N. Y. Hair ringlet holder. 2,486,122, Oct. 25.
- Corwin, Bernard, East Orange, N. J. Stocking stretcher. 2,489,010, Nov. 22.
- Corwin, James H.: *See*—
Bateman, Fred S., and Corwin.
- Cory, Samuel I., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret telegraph system. 2,463,248, Mar. 1.
- Coryell, Charles N.: F. C. Coryell, administratrix of said C. N. Coryell, deceased, assignor to R. L. Coryell, New Rochelle, N. Y. Cigarette lighter. 2,475,659, July 12.
- Coryell, Frances C., administratrix: *See*—
Coryell, Charles N.
- Coryell, Robert L., assignee: *See*—
Coryell, Charles N.
- Coyer, Albert E., Racine, Wis. Rock crusher. 2,485,362, Oct. 18.
- Cosar, Charles, assignor to Societe des Usines Chimiques Rhono-Poulenc, Paris, France. Penicillin solutions. 2,467,583, Apr. 19.
- Cosby, James R.: *See*—
Nelson, Dale H., and Cosby.
Sturm, Ralph E., and Cosby.
- Cosby, John N., Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Making aliphatic nitriles. 2,481,826, Sept. 13.
- Cosman, Bernard J., Arlington, assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass. Phase modulation system. 2,483,262, Sept. 27.
- Coss, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Seal. 2,469,065, May 3.
- Coss, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Garbage grinder. 2,477,686, Aug. 2.
- Coss, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Nozzle height adjustment arrangement for suction cleaners. 2,485,363, Oct. 18.
- Cossette, Albert F., assignor, by mesne assignments, to Leominster Tool Co., Inc., Leominster, Mass. Yarn winding reel. 2,488,852, Nov. 22.
- Cossette, Gideon, and G. Gee, Cadillac, Saskatchewan, Canada. Doorstop. 2,492,359, Dec. 27.
- Cossor, A. C., Limited, assignee: *See*—
Bell, David A.
Moss, Hilary.
Woodbridge, Leonard A.
Wynn, Arthur H. A., and Hill.
- Costa, Joseph L., Woonsocket, and W. H. Kahler, Saylesville, R. I., assignors, by mesne assignments, to Woonsocket Rayon, Inc. Flotation process of clarifying regenerating baths. 2,462,948, Mar. 1.
- Costanzo, Alfred D., Chicago, Ill. Keyhole illuminating device. 2,480,223, Aug. 30.
- Costello, Charles E., Los Angeles, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well device. 2,466,305, Apr. 5.
- Costello, Edward M., Portland, Oreg. Roll wrapping machine. 2,485,865, Oct. 25.
- Costet, Pierre: *See*—
Bonnet, Andre, and Costet.
- Costner, Clarence J., assignee: *See*—
Robinson, Elvin B.
- Coston, Elmer D., assignor to Manufacturers Supplies Company, St. Louis, Mo. Folding machine. 2,469,813, May 10.
- Cotchett, Louis M., Hingham, assignor to Foster Machine Company, Westfield, Mass. Bobbin sorting apparatus. 2,459,309, Jan. 18.
- Cote, Alfred, Montreal, Quebec, Canada. Electrical heating unit. 2,471,674, May 31.
- Coté, Charles, Windsor, Ontario, Canada. Weight-operated air pump. 2,471,673, May 31.
- Cothay, Frank H., assignor of one-half to London Tin Corporation Limited, London, England. Bucket elevator. 2,484,931, Oct. 18.
- Cotherman, Charles B., Goshen, Ind. Eliminating offset. 2,458,981, Jan. 11.
- Cothran, Charles D., assignor, by mesne assignments, to M. W. Engleman, trustee, Los Angeles, Calif. Removal of surface moisture from wet articles. 2,472,794, June 14.
- Cotta, Ralph L., assignor to Barber-Colman Company, Rockford, Ill. Automatic hob slide. 2,483,810, Oct. 4.
- Cotten, Lewis S., United States Navy. Antiaircraft target. 2,483,402, Oct. 4.
- Cotter, Frank T., assignee: *See*—
Hinteman, Harry M.
- Cotter, G. Edward, assignee: *See*—
Hinteman, Harry M.
- Cottet, Emile C.: *See*—
Grunfeld, Maximilien, and Cottet.
- Cottingham, Rufus F., Scunthorpe, England. Golf practicing and teaching apparatus. 2,458,932, Jan. 11.
- Cottingham, Rufus F., Scunthorpe, England. Golf exercising apparatus. 2,472,065, June 7.
- Cottler, John F., assignee: *See*—
Schiffmann, Edward B.
- Cotton, Robert B., Lansdowne, Pa., assignor to All American Airways, Inc. Continuous glider target pickup unit. 2,464,073, Mar. 8.
- Cotton, Robert B., Lansdowne, Pa., assignor to All American Airways, Inc. Time delay and brake resetting mechanism. 2,482,705, Sept. 20.
- Cotton, Robert B., Lansdowne, Pa. Hydraulic system. 2,488,525, Nov. 22.
- Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemically producing nitrogen oxide in the presence of tantalum electrodes. 2,485,478, Oct. 18.
- Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemical production of nitrogen oxide. 2,485,479, Oct. 18.
- Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemical production of nitrogen oxide. 2,485,480, Oct. 18.
- Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemical production of nitrogen oxide. 2,485,481, Oct. 18.
- Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Apparatus for the electrochemical transformation of materials. 2,468,173, Apr. 26.
- Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Apparatus for electrically transforming materials. 2,468,174, Apr. 26.
- Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Apparatus for electrochemical transformation of materials. 2,468,175, Apr. 26.
- Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Method of and apparatus for effecting the electrochemical transformation of material in the presence of antenna electrodes. 2,468,177, Apr. 26.
- Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Producing nitrogen oxide. 2,485,476, Oct. 18.
- Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Producing nitrogen oxide in an electrical discharge apparatus. 2,485,477, Oct. 18.

- Cotton, William, Limited, assignee: *See*—
Cooper, William A., and Start.
Macdonald, William G., and Cooper.
Start, Harry W., and Ernest.
- Cottrell, C. B., and Sons Company, assignee: *See*—
Luehrs, Hans J.
Meyer, Joseph E.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring plank mounting. 2,465,965, Mar. 29.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck with auxiliary bolster guide. 2,466,654, Apr. 5.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,473,011, June 14.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck bolster interlocking device. 2,473,012, June 14.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,483,184, Sept. 27.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,360, Sept. 27.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,361, Sept. 27.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Resilient spring plank retainer. 2,484,783, Oct. 11.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Journal connection. 2,486,123, Oct. 25.
- Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Rocking journal connection. 2,488,853, Nov. 22.
- Cottrell, Stephen J. C., Vancouver, British Columbia, Canada. Mortice lock. 2,468,323, Apr. 26.
- Cottrill, George W.: *See*—
Phelps, James O., and Cottrill.
- Coty, Inc., assignee: *See*—
Broder, Jules.
- Couch, Glenn F., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Railway truck. 2,465,966, Mar. 29.
- Couch, Glenn F., Rochester, assignor to Symington-Gould Corporation, Depew, N. Y. Snubbed railway truck. 2,467,255, Apr. 12.
- Couch, Glenn F., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Lock for journal box lids. 2,478,746, Aug. 9.
- Couch, Glenn F., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Brake beam support. 2,490,581, Dec. 6.
- Coneh, Seth T., Sparks, Nev. Driving wheel carrier. 2,491,034, Dec. 13.
- Couden, Earl R., assignor to H. Hildebrandt, Chicago, Ill. Justifier for typewriters. 2,491,163, Dec. 13.
- Coughanor, Edward S., assignee: *See*—
Grossi, Carlo.
- Coughlin, Francis T., Washington, D. C. Method of and apparatus for compensating for residual magnetization in cathode-ray apparatus. 2,485,569, Oct. 25.
- Coughlin, Leo, Toronto, Ontario, Canada. Combined cigarette container and ash tray. 2,467,660, Apr. 19.
- Couillard, Louis, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio receiver. 2,468,041, Apr. 26.
- Coulas, Wilbur J., assignor to Deere & Company, Moline, Ill. Adjusting means for agricultural implements. 2,477,687, Aug. 2.
- Coulas, Wilbur J., assignor to Deere & Company, Moline, Ill. Windrowing attachment for mowers. 2,484,981, Oct. 18.
- Coulter, Guy H., assignor to United Lens Corporation, Detroit, Mich. Headlamp construction for right and left hand turns and directional signal system with circuits and control mechanism therefor. 2,490,948, Dec. 13.
- Coulter, Harold B., Larchmont, assignor to The Dorr Company, New York, N. Y. Slurry mixer. 2,458,061, Jan. 4.
- Coulter, John H., and A. F. Wood, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Collet type electrode. 2,470,603, May 17.
- Counter and Control Corporation, assignee: *See*—
Andren, Karl H.
- Countryman, Guy A., Ashland, Ohio. Automobile repair tool. 2,464,118, Mar. 8.
- Counts, Ewell C., La Habra, and N. H. Le Roy, Brea, Calif., assignors to Shaffer Tool Works. Landing head for plural casings and oil tubings. 2,472,466, June 7.
- Coupas, Charles F., Johnstown, and E. E. Schreivogel, Gloversville, N. Y. Glove. 2,464,378, Mar. 15.
- Couper, Samuel, Baltimore, Md. Roller bearing chain. 2,458,682, Jan. 11.
- Cour, Claude J., University City, Mo. Mower attachment. 2,476,084, July 12.
- Courcier, Louis K., Eugene, Oreg. Oil barrel gauge. 2,475,080, July 5.
- Cournoyer, Charles E., Port Washington, and R. R. Charbon, New York, N. Y. Cleaning tool for tubes. 2,472,093, June 7.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Controllable hydraulic power lift. 2,462,722, Feb. 22.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Releasable power lift connection. 2,476,439, July 19.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Hydraulic mechanism. 2,482,249, Sept. 20.
- Court, Frank T., assignor to Deere & Company, Moline, Ill. Power lift. 2,482,657, Sept. 20.
- Courtaulds Limited, assignee: *See*—
Lane, Gerard W. R.
MacGregor, James H.
Millidge, Alfred F., and Knight.
Wormell, Robert L.
Wormell, Robert L. and Millidge, and Knight.
- Courter, Donald H.: *See*—
White, Walter T., and Courter.
- Courter, Sherman A., Claremont, Calif.; H. L. Adams, executrix of said S. A. Courter, deceased. Edger for scrapers. 2,483,624, Oct. 4.
- Courtier, Edward W., assignor to Swenson Evaporator Company, Harvey, Ill. Seal. 2,468,924, May 3.
- Courtney, Albert L., and C. E. Smith, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Laundry souring composition. 2,460,680, Feb. 1.
- Courney, Edward J., Oaklyn, N. J. Textile fiber drafting roll. 2,488,764, Nov. 22.
- Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Tube coupling. 2,460,621, Feb. 1.
- Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Universal seal nut. 2,464,379, Mar. 15.
- Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Valve seal. 2,490,511, Dec. 6.
- Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,492,917, Dec. 27.
- Couse, Kibbey W., Newark, N. J. Releasing mechanism for power take-offs. 2,458,255, Jan. 4.
- Couse, Kibbey W., Newark, N. J. Power drilling mechanism. 2,480,554, Aug. 30.
- Couse, Kibbey W., Newark, N. J. Releasing mechanism for a power take-off. 2,480,555, Aug. 30.
- Couse, Kibbey W., Newark, N. J. Releasing mechanism for power take-offs. 2,488,765, Nov. 22.
- Cousineau, John B.: *See*—
Hise, Herbert, and Cousineau.
- Cousino, Patrick T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wrench with threaded nut holding member. 2,461,680, Feb. 15.
- Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Injection molding apparatus. 2,471,815, May 31.
- Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Plastic injection apparatus and method. 2,471,814, May 31.
- Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Injection molding apparatus and method. 2,487,426, Nov. 8.
- Cousins, Syd, Mount Rainier, Md. Breast supporting garment. 2,485,570, Oct. 25.
- Cousins, Sydne, Long Beach, N. Y. Brassière. 2,485,571, Oct. 25.
- Cousins, Sydne, Yonkers, and R. H. Taylor, Mount Vernon, N. Y. Brassière. 2,485,572, Oct. 25.
- Cousins, Van M., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplying voltages. 2,471,262, May 24.
- Cousteau, Jacques Y., and E. Gagnan, Paris, France. Diving unit. 2,485,039, Oct. 18.
- Countant, André, and J. Mathot, Paris, France. Cinematographic camera. 2,476,705, July 19.
- Countant, André C., assignor to S. R. Coutard, born Mathot, Paris, France. Motion-picture camera stand. 2,484,982, Oct. 18.
- Countant, André C., and J. Mathot, Paris, France. Tripod head with a removable camera support. 2,459,626, Jan. 18.
- Countant, André C., and J. Mathot, Paris, France. Exposure lens finder for cameras having adjustable sighting position. 2,468,814, May 3.
- Countant, André C., and J. Mathot, Paris, France. Cinematographic camera. 2,474,972, July 5.
- Countant, André C., and J. Mathot, Paris, France. Locking device for lens-carrying camera turrets. 2,487,222, Nov. 8.
- Coutard, Suzanne R., assignee: *See*—
Countant, André C.
- Coventry Climax Engines Limited, assignee: *See*—
Hathaway, Lawrence.
- Cover, Ralph, assignor to The United Products Company, Westminster, Md. Corn products. 2,484,375, Oct. 11.
- Cover, Ralph, assignor to The United Products Company, Westminster, Md. Cream style corn. 2,484,376, Oct. 11.
- Covington, Carl A.: *See*—
Earle, Clarence E., and Covington.
- Covins, Meyer, Danville, Ill. Double-acting reciprocating pump. 2,472,647, June 7.
- Cowan, Irma M., Chicago, Ill. Fruit pitter. 2,463,854, Mar. 8.
- Cowan, John C.: *See*—
Teeter, Howard M., Scholfield and Cowan.
- Cowan, John C., and H. M. Teeter, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Protective coating compositions and producing the same. 2,477,116, July 26.

- Cowan, John V., Williston Park, assignor of one-half to Y. Pessell, Brooklyn, N. Y. Apparatus for molding wax. 2,461,723, Feb. 15.
- Coward, William H., New Rochelle, N. Y. Coating machine. 2,464,849, Mar. 22.
- Cowden, Raymond L., assignor to Truth Tool Company, Mankato, Minn. Socket wrench. 2,491,089, Dec. 13.
- Cowdrey, Cecil L.: *See*—
Sammons, Herbert, and Cowdrey.
- Cowie, Howard W., executor: *See*—
Carroll, Elbert H.
- Cowell, Edward N.: *See*—
Bullard, Edward P., III, and Cowell.
- Cowgill, Harry B., Jr., Rockville Centre, N. Y. Pickup apparatus for aerial cargo. 2,467,112, Apr. 12.
- Cowherd, Robert D., Atlanta, Ga., and W. H. Stahl, Jr., assignors to The Bristol Company, Waterbury, Conn. Sequence control. 2,458,683, Jan. 11.
- Cowley, John P.: *See*—
Thompson, Ivan P., and Cowie.
- Cowles, Florence E., New Braunfels, Tex. Clothespin sack. 2,472,094, June 7.
- Cowles, Harold A., and M. E. Dowling, Rochester; said Dowling assignor to said Cowles, Buffalo, N. Y. Self-erecting easel. 2,467,190, Apr. 12.
- Cowley, Clayton R., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Adapter for sealing-in machines. 2,484,688, Oct. 11.
- Cowley, Percy E. A.: *See*—
Gillings, Charles, and Cowley.
- Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective of the telephoto type having axially separated convergent front and divergent rear members. 2,458,836, Jan. 11.
- Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective having a front member correcting spherical aberration, field curvature, and distortion. 2,479,907, Aug. 23.
- Cox, Charles W.: *See*—
Hendrixson, Charles E., Jr., and Cox.
Wicker, Dan B., and Cox.
- Cox, Clarence M., Belgrade, Mont. One-man posthole digger. 2,461,373, Feb. 8.
- Cox, Claude R., assignor to Andrew Corporation, Chicago, Ill. Dry-air pump. 2,469,328, May 3.
- Cox, Cleo R.: *See*—
Clement, Clyde H.
- Cox, Clifford K., Kent, Wash. Hose support and clamp. 2,480,906, Sept. 6.
- Cox, Clyde W., High Point, N. C., assignor by decree of distribution to Ethel W. Cox. Wrap yarn controlled stop motion mechanism for knitting machines. 2,472,649, June 7.
- Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Two-dimensional photoelectric sorting. 2,474,230, June 28.
- Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Voltage or current regulator. 2,476,534, July 19.
- Cox, Drexel M., Tuleta, Tex. Tubing rack. 2,459,627, Jan. 18.
- Cox, Duncan B., Woodbury, N. Y. Self-locking nut. 2,490,728, Dec. 6.
- Cox, Ethel W., assignee: *See*—
Cox, Clyde W.
- Cox, Frank E., Brooklyn, N. Y. Coupling for round pipes and tubes. 2,459,872, Jan. 25.
- Cox, Fred W., Birmingham, Ala., and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,459,127, Jan. 11.
- Cox, Fred W., Cuyahoga Falls, and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,461,531, Feb. 15.
- Cox, Fred W., Cuyahoga Falls, and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,478,862, Aug. 9.
- Cox, Fred W., Birmingham, Ala., and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,491,443, Dec. 13.
- Cox, Fred W., Birmingham, Ala., and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide copolymers. 2,491,444, Dec. 13.
- Cox, George C., Charleston, W. Va. Marine electrocleaning and electropickling apparatus. 2,476,286, July 19.
- Cox, George C., Charleston, W. Va. Electrode terminal connections for the electrolysis of seaport and related waters. 2,481,827, Sept. 13.
- Cox, Harold L., assignee: *See*—
Gregoire, Resta S.
- Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Vapor pressure type thermal power element. 2,484,932, Oct. 18.
- Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for heating granular molding material. 2,489,753, Nov. 29.
- Cox, Irvin W., West Allis, and L. D. Drugmand, Greenfield, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Plasticity responsive welder. 2,472,368, June 7.
- Cox, Irvin W., West Allis, and L. D. Drugmand, Greenfield, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric welding machine and control means therefor. 2,477,117, July 26.
- Cox, James M., Fall River, Mass. Pump primer. 2,472,648, June 7.
- Cox, James V., Buffalo, assignor to B. F. Gladding & Company, Inc., South Otselic, N. Y. Spool. 2,472,248, June 7.
- Cox, John R., Cleveland, Ohio. Fruit jar opener. 2,475,948, July 12.
- Cox, John T., Topanga, Calif. Artist's stomp. 2,464,436, Mar. 15.
- Cox, John W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Molded pulp carton. 2,466,579, Apr. 5.
- Cox, John W., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Carton. 2,479,213, Aug. 16.
- Cox, Leslie R., Rutherford, and G. H. Huber, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion reduction in channel switching. 2,458,566, Jan. 11.
- Cox, Louis B., Seattle, Wash. Toaster. 2,465,577, Mar. 29.
- Cox, Nelson F.: *See*—
Colyer, Albert N., and Cox.
- Cox, Norman: *See*—
Hoover, George R., and Cox.
- Cox, Otto L., assignor of one-half to W. J. Cox, Lima, Ohio. Clothesline support. 2,467,814, Apr. 19.
- Cox, Ramsey M., Corsicana, Tex. Kite. 2,479,473, Aug. 16.
- Cox, Richard F. B.: *See*—
Borglin, Joseph N., and Cox.
- Cox, Robert E.: *See*—
Stenehem, Ralph W., and Cox.
- Cox, Robert G., and D. W. Main, assignors to Aeroquip Corporation, Jackson, Mich. Flapper valve. 2,492,271, Dec. 27.
- Cox, Russell E.: *See*—
Mapes, Elsworth E., and Cox.
- Cox & Stevens Aircraft Corporation, assignee: *See*—
Thurston, Arthur L.
Thurston, Arthur L., and Irwin.
- Cox, Walter Cecil, Englewood, Colo. Superspeed elevated railway. 2,469,432, May 10.
- Cox, Wilbur J., assignee: *See*—
Cox, Otto L.
- Cox, William J., Woodruff, Utah. Tire tool. 2,474,515, June 28.
- Coxhead, Ralph C., Corporation, assignee: *See*—
Norton, Charles W.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Paper container structure and forming same. 2,467,930, Apr. 19.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Closure for containers. 2,484,270, Oct. 11.
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,484,271, Oct. 11.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Collar can collar and mounting. 2,468,485, Apr. 26.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Collar can collar and mounting. 2,468,486, Apr. 26.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Collar can collar mounting method. 2,468,487, Apr. 26.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Mounting collar can collars. 2,468,488, Apr. 26.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Metal file cabinet. 2,484,933, Oct. 18.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Bail for containers. 2,492,464, Dec. 27.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Dispensing container with sliding closure. 2,492,846, Dec. 27.
- Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Container nozzle closure. 2,492,847, Dec. 27.
- Coyne, David, New York, N. Y. Clip for fountain pens and other articles. 2,470,431, May 17.
- Coyne, Vincent C., and J. W. Stuart, New Brunswick, N. J. Parachute release for kites. 2,471,199, May 24.
- Cozzo, Giuseppe, assignor to Hydropress, Incorporated, New York, N. Y. Plastic material extrusion head. 2,461,630, Feb. 15.
- Cozzoli, Frank J., Plainfield, N. J. Filling machine. 2,492,555, Dec. 27.
- Cozzoli, Michael, Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Aircraft ambulance. 2,480,322, Aug. 30.
- Crabb, William, & Company, assignee: *See*—
Catucci, Pliny.
- Crabbe, Julian B., Richland, Wash. Shockproof plumbing fixture. 2,489,524, Nov. 29.
- Crabtree, George W., Cleveland Heights, Ohio. Frictional spring control means and their mounting on vehicles. 2,483,185, Sept. 27.

- Crabtree, John I.: *See*—
Henn, Richard W., and Crabtree.
Russell, Harold D., and Crabtree.
- Crabtree, Kay, Crabtree Mills, Quebec, Canada. Manufacture of paper. 2,461,109, Feb. 8.
- Crabtree, Norris: *See*—
Smith, Ellis, Crabtree, Naylor, and Maw.
- Craddock, James E., Richmond, Va. Oil heater for hot-water furnaces. 2,474,574, June 28.
- Craddock, Reginald V.: *See*—
Fragola, Caesar F., and Craddock.
- Craddock, Reginald V., Williston Park, and R. S. Curry, Jr. Baldwin, N. Y., assignors to The Sperry Corporation. Integrating and remote reading compass system. 2,466,687, Apr. 12.
- Craddock, Reginald V., Williston Park, and R. S. Curry, Jr. Baldwin, N. Y., assignors to The Sperry Corporation. Self-synchronous flux valve system. 2,475,593, July 12.
- Craft, Belle B., and L. B., North Hollywood, Calif. Paint brush holder. 2,469,864, May 10.
- Craft, Lynn B.: *See*—
Craft, Belle B. and L. B.
- Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Liquid feed control, particularly for the ink feed of printing presses. 2,459,922, Jan. 25.
- Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Apparatus for casting stereotype plates. 2,470,146, May 17.
- Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate. 2,474,889, July 5.
- Craftsman Tool and Die Company: *See*—
Burritt, Burnell C.
- Cragan, Joseph A., Kingston, N. Y. Support for electric sadirons. 2,461,681, Feb. 15.
- Craig, Alfred B., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer of butadiene and bornyl methacrylate. 2,486,376, Nov. 1.
- Craig, Burnie J., Los Angeles, Calif. Door device. 2,459,502, Jan. 18.
- Craig, Burnie M.: *See*—
Frutton, Carl F., Miller, and Craig.
- Craig, David, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hydrogenation products of *n*-phenyl-3,5-diethyl-2-propyldihydropyridine. 2,479,815, Aug. 23.
- Craig, Edward, Brea, Calif. Vehicle support. 2,466,794, Apr. 12.
- Craig, Edward, Brea, Calif. Auxiliary wheel for motor vehicles or the like. 2,483,574, Oct. 4.
- Craig, George H.: *See*—
Kuert, Ira J., and Craig.
- Craig, John R., deceased, by The Union Trust Company of Pittsburgh, administrator, Pittsburgh, Pa. Liquid treating apparatus. 2,462,612, Feb. 22.
- Craig, Kenneth A., Appleton, Wis., assignor to Paper Patents Company. Bleaching poplar groundwood. 2,474,034, June 21.
- Craig, Ollison, assignor to Riley Stoker Corporation. Worcester, Mass. Beater element for pulverizing apparatus. 2,474,305, June 28.
- Craig, Palmer H., Gainesville, Fla. Method and means for sealing conductors to glass envelope walls. 2,462,020, Feb. 15.
- Craig, Palmer H., Gainesville, Fla., assignor to Invox, Incorporated. Crystal filter system. 2,463,249, Mar. 1.
- Craig, Palmer H., Tampa, Fla., assignor to Invox Incorporated. Hermetically sealed storage battery with gas recombining means. 2,465,202, Mar. 22.
- Craig, Verley C., and W. L. McClennen, Olympia, Wash. Feeding attachment for polishing lathes. 2,466,082, Apr. 5.
- Craig, W. E., Philadelphia, and W. F. Hester, Drexel Hill, assignors to Röhm & Haas Company, Philadelphia, Pa. 3,4-dichlorophenylsulfonyl tribromomethane. 2,484,489, Oct. 11.
- Craig, W. E., Philadelphia, and W. F. Hester, Drexel Hill, assignors to Röhm & Haas Company, Philadelphia, Pa. Thiocyanated phosphite esters. 2,485,573, Oct. 25.
- Craig, W. E., Philadelphia, and W. F. Hester, Drexel Hill, assignors to Röhm & Haas Company, Philadelphia, Pa. Diphenyltribalobutanes. 2,487,854, Nov. 15.
- Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Preparation of a pigment complex, including a reacted starch. 2,457,797, Jan. 4.
- Craig, Willis G.: *See*—
Harborne, Eric G., and Craig.
- Craige, Arthur H., Jr., and A. L. Kleckner, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo. Bactericidal compositions. 2,480,556, Aug. 30.
- Craige, Arthur H., Jr., and A. L. Kleckner, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo. Bactericidal compositions. 2,484,784, Oct. 11.
- Crain, Darrell C., Washington, D. C. Fountain pen. 2,459,993, Jan. 25.
- Crain, Harry M.: *See*—
Wodal, Francis A., and Crain.
- Crain, Rollie, Marion, Ill. Grain threshing and separating machine. 2,473,788, June 21.
- Cram, Hervey G., Appleton, Wis. Disk pulp screen. 2,480,119, Aug. 30.
- Cramer, Harold W.: *See*—
Cramer, Roy A., H. W., and R. A., Jr.
- Cramer, Martha K., New York, N. Y. Combination bag and spectacle case. 2,458,567, Jan. 11.
- Cramer, Marvin H., George, Iowa. Excavating machine. 2,470,147, May 17.
- Cramer, Marvin H., George, Iowa. Automobile body and engine heater. 2,486,735, Nov. 1.
- Cramer Posture Chair Company, assignee: *See*—
Cramer, Roy A., Jr., Maultsby, and Terrill.
- Cramer, R. W., Company, Incorporated, The, assignee: *See*—
Gates, Eugene H., Jr., and Smith.
Schellens, Eugene L.
- Cramer, Ralph D.: *See*—
Hunter, Robert L., and Cramer.
- Cramer, Richard D.: *See*—
Coffman, Donald D., and Cramer.
- Cramer, Robert, Jr., Hales Corner, assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Duct system for supercharged engines. 2,479,318, Aug. 16.
- Cramer, Roy A., Jr.: *See*—
Cramer, Roy A., H. W., and R. A., Jr.
- Cramer, Roy A., Kansas City, Mo. Chair with tilting back and automatically shiftable seat. 2,471,024, May 24.
- Cramer, Roy A., Jr., J. D. Maultsby, and V. O. Terrill, assignors to Cramer Posture Chair Company, Kansas City, Mo. Lawn mower. 2,477,442, July 26.
- Cramer, Roy A., H. W., and R. A., Jr., Kansas City, Mo. Chair base. 2,490,210, Dec. 6.
- Crampton, Basil R., assignor, by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich. Tank lever. 2,475,881, July 12.
- Crampton, Basil R., assignor, by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich. Spud for flush tank levers. 2,487,315, Nov. 8.
- Crampton, Basil R., assignor, by mesne assignments, to Crampton Manufacturing Company, Grand Rapids, Mich. Flush tank lever. 2,489,621, Nov. 29.
- Crampton, Donald K., Marion, and M. L. Wood, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Tin-coating the interiors of copper tubes. 2,470,689, May 17.
- Crampton Manufacturing Company, assignee: *See*—
Crampton, Basil R.
Pleasant, Herman E.
- Cranberg, Lawrence, Asbury Park, N. J. Optical ranging device. 2,468,042, Apr. 26.
- Cranch, Eliot A., Denver, Colo. Safety current supply for photoelectric light sources. 2,464,074, Mar. 8.
- Crandall, Charles B., assignor to Barber-Colman Company, Rockford, Ill. Warp tying machine. 2,479,604, Aug. 23.
- Crandall, Charles B., assignor to Barber-Colman Company, Rockford, Ill. Loading clamp for warp tying machines. 2,482,157, Sept. 20.
- Crandall Dry Dock Engineers, Inc., assignee: *See*—
Crandall, James S.
- Crandall, George S.: *See*—
Berger, Henry G., Crandall, and Socolofsky.
McCracken, John H. and Crandall.
- Crandall, George S., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of dinitroparaffins. 2,489,122, Nov. 22.
- Crandall, James S., Lexington, assignor to Crandall Dry Dock Engineers, Inc., Cambridge, Mass. Floating dry dock. 2,465,851, Mar. 29.
- Crandall, Lou R., assignee: *See*—
De Jongh, Peter.
- Crandall, Merton L., Hudson, Mich. Safety pin. 2,477,723, Aug. 2.
- Crandall, Roderic, assignee: *See*—
Kitto, Leicester F.
- Crandell, Ervin L., assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Radio-frequency apparatus. 2,458,684, Jan. 11.
- Crandell, Ervin L., assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Radio-frequency apparatus. 2,466,931, Apr. 12.
- Crandon, Harry D., Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Method and apparatus for making containers. 2,474,035, June 21.
- Crane, Carl J., Oklahoma City, Okla. Container for dispensing materials. 2,488,854, Nov. 22.
- Crane, Carl J., and G. V. Holloman, Dayton, C. W. Muller, Osborn, and R. K. Stout, Dayton, Ohio. Interception trainer. 2,459,150, Jan. 18.
- Crane, Carlton L.: *See*—
Fordyce, Charles R., and Crane.
Hiatt, Gordon D., and Crane.
Malm, Carl J., and Crane.
- Crane, Charles R., II, Chicago, and A. Mueller, Berwyn, assignors to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,473,013, June 14.

- Crane Co., assignee: *See*—
 Amstutz, James B., and Fieroh.
 Carr, Edward W., and Peterson.
 Carrie, William D.
 Crane, Charles R., II, and Mueller.
 De Craene, Edmond P.
 Eckman, Harry A.
 Fennema, Richard.
 Fredrickson, Edward A.
 Kacena, John, and Kelly.
 Kanter, Jerome J.
 Marks, Milton M.
 Mueller, Alfred.
 Pierce, Joseph D., and Towner.
 Stone, Carl R.
 Waker, Earl S., and Glaza.
 Youngquist, Carl H.
 Zinkil, Roy H., Fredrickson, and Turek.
- Crane, Edith F., Poughkeepsie, N. Y. Water-color painting kit. 2,463,749, Mar. 8.
- Crane, Harold C., Toronto, Ontario, Canada. Conveyor control. 2,490,256, Dec. 6.
- Crane Packing Company, assignee: *See*—
 Coleman, Edwin J.
 Matter, Albert J.
 Payne, Frank E.
 Roshong, Raymond G.
 Schmitz, Carl E.
 Snyder, Russel D.
 Vorhees, Vance E.
 Voytech, Charles F.
- Crane, Walton B., Beverly Hills, assignor to Allied Plastics Company, Los Angeles, Calif. Integral catch for synthetic resin vanity cases. 2,489,525, Nov. 29.
- Crane, Walton B. and W. B., Jr., assignors to Alpak, Los Angeles, Calif. Container. 2,461,879, Feb. 15.
- Crane, Walton B., and W. B. Crane, Jr., assignors to Alpak, Los Angeles, Calif. Cellular container. 2,476,181, July 12.
- Crane, William B., Jr.: *See*—
 Crane, Walton B. and W. B., Jr.
- Cranmer, James T.: *See*—
 Legg, David A., and Cranmer.
- Cranmer, John M., East Providence, R. I., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Drainage system for tanks. 2,482,468, Sept. 20.
- Cranmer, John M., East Providence, R. I., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compensating means for liquid level indicators. 2,486,823, Nov. 1.
- Cranshaw, Harold B., Newton, assignor to Burnitol Manufacturing Co., Charlestown, Mass. Folded blank cup. 2,485,704, Oct. 25.
- Cranston, Robert A., Cranston, assignor to Grinnell Corporation, Providence, R. I. Extinguishing burning flammable vapors. 2,487,964, Nov. 15.
- Cranston, William E., Jr., assignor to Thermador Electrical Manufacturing Company, Los Angeles, Calif. Kitchen range. 2,487,855, Nov. 15.
- Cranston, William E., Jr., assignor to Thermador Electrical Manufacturing Company, Los Angeles, Calif. Radiant heater. 2,492,379, Dec. 27.
- Crary, Jay D., assignor to Paper Strap, Inc., Portland, Oreg. Fastener applying implement. 2,475,013, July 5.
- Crary, Jay D., assignor to Paper Strap, Inc., Portland, Oreg. Handgrip for carriers and cartons. 2,475,014, July 5.
- Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 2,472,571, June 7.
- Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Regulator system. 2,478,622, Aug. 9.
- Crary, Selden B., and M. E. Hartman, Schenectady, N. Y., assignor to General Electric Company. Regulator for synchronous dynamoelectric machines. 2,478,623, Aug. 9.
- Craven, John P.: *See*—
 Maxwell, Carl A., and Craven.
- Craven, Robert L., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stable high reactivity paraformaldehyde. 2,481,981, Sept. 13.
- Craven, Wilbur J.: *See*—
 Warner, Alden Y., and Craven.
- Cravener, Earl, Creighton, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Automatic coupling. 2,489,864, Nov. 29.
- Cravens, Lawrence F., New York, N. Y. Combined time record and payroll envelope. 2,485,261, Oct. 18.
- Craver, Albert F.: *See*—
 Bates, Herbert T., Ferguson, and Craver.
- Craver, Albert F., Bay Village, and L. F. Vixler, assignors to The Patrol Valve Company, Cleveland, Ohio. Flash ignition and safety control system for gaseous fuel burners. 2,490,729, Dec. 6.
- Craver, William C., Winston-Salem, N. C. Wall bracket hanger. 2,461,145, Feb. 8.
- Crawford, Alvin G., assignee: *See*—
 Mitton, Robert E.
- Crawford, Cecil: *See*—
 Crawford, Herman E., and C.
- Crawford, Chester C.: *See*—
 Legatski, Harold R., and Crawford.
- Crawford, Chester C., and L. C. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Separation of highly branched paraffins into odorless fractions. 2,463,601, Mar. 8.
- Crawford, Cullen B., Cleveland, assignor to Crawford Fitting Company, Shaker Heights, Ohio. Tube coupling. 2,484,815, Oct. 18.
- Crawford, Edward J., Van Buren, Ark. Seed and fertilizer distributor. 2,463,855, Mar. 8.
- Crawford Fitting Company, assignee: *See*—
 Crawford, Cullen B.
- Crawford, Francis W.: *See*—
 Flatford, William R., and Crawford.
 Noll, Paul E., and Crawford.
- Crawford, Frank, Lihue, Hawaii. Fishing reel. 2,462,365, Feb. 22.
- Crawford, Herman E., Kernersville, and C. Crawford, Durham, N. C. Knitting machine. 2,473,677, June 21.
- Crawford, Jackson E., Hampton, Va. Paint can holder. 2,466,840, Apr. 12.
- Crawford, James R., Clinton, S. C. Portable power-driven tree felling circular saw. 2,461,589, Feb. 15.
- Crawford, Kay D.: *See*—
 Rehman, Irving, and Crawford.
- Crawford Manufacturing Company, Inc., assignee: *See*—
 Antonevich, Michael.
 Roberts, Richard W., Jr.
- Crawford Manufacturing Company, Incorporated, The, assignee: *See*—
 Antonevich, Michael.
- Crawford, Richard G. S.: *See*—
 Stokes, Edward A., and Crawford.
- Crawford, Robert J., Locust, N. J., assignor to American Can Company, New York, N. Y. Container. 2,488,526, Nov. 22.
- Crawford, Thomas G.: *See*—
 Elder, Thomas A., and Crawford.
- Crawley, Charles H., assignor to The Weatherhead Company, Cleveland, Ohio. Fitting. 2,460,622, Feb. 1.
- Crawshaw, Harry: *See*—
 Finlayson, Donald, and Crawshaw.
- Crawshaw, Paul G., Dallas, Tex. Sectional golf club shaft. 2,464,850, Mar. 22.
- Cread Engineering and Research Company, assignee: *See*—
 Grosser, Christian E., and Gilman.
- Creager, Herman W., near Arvada, Colo. Centrifugal elevator. 2,466,210, Apr. 5.
- Creain, Alfred R., Covington, Ky. Protractor. 2,477,724, Aug. 2.
- Creamer, James P., Hamden, assignor to Lea Manufacturing Company, Waterbury, Conn. Apparatus for supplying abrasive to buffing wheels. 2,471,727, May 31.
- Creamer, Wallace B., assignee: *See*—
 Banta, Farrell B.
- Creamery Package Mfg. Company, assignee: *See*—
 Larsen, Olaf.
- Creazzi, Harry O.: *See*—
 Jacobson, Eugene W., Creazzi, and Alkins.
- Crede, Charles E., Cambridge, Mass., and J. P. Walsh, Washington, D. C. Article supporting structure. 2,468,043, Apr. 26.
- Creed and Company Limited, assignee: *See*—
 Mason, Frederick P.
 Salmon, Reginald D.
 Thomas, Frank R.
 Thompson, Alfred E. and Salmon.
- Creek, John O.: *See*—
 Marchant, Lawrence E., Hall and Creek.
- Crehan, William J., Chicago, Ill., assignor, by mesne assignments, to R. D. Collins, Beverly Hills, Calif. Twistable blade plug. 2,478,570, Aug. 9.
- Creider, Florence B., Pasadena, Calif. Dough cutter. 2,478,571, Aug. 9.
- Creighton, Henry J., Swarthmore, and R. A. Hales, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Electrolytic process for reducing sugars. 2,458,895, Jan. 11.
- Creighton, Philip E., assignor to Eastman Kodak Company, Rochester, N. Y. Infinity sight using a transparent reflector. 2,490,747, Dec. 6.
- Creighton, Russell, Kenmore, assignor to General Riveters, Inc., Buffalo, N. Y. Metal forming machine. 2,491,717, Dec. 20.
- Creighton, Thomas A., Long Beach, assignor of one-third to M. H. Wright, Los Angeles, Calif. Well-drilling tool. 2,458,003, Nov. 15.
- Cresale Incorporated, assignee: *See*—
 Reichenbach, Howard F.
- Creson, William K., assignor to Ross Gear and Tool Company, La Fayette, Ind. Steering gear. 2,475,222, July 5.
- Cress, Howard S., Duluth, Minn., assignor to The American Steel and Wire Company of New Jersey. Water-cooled fluid fuel burner. 2,491,955, Dec. 20.
- Cress, Jay J., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric apparatus. 2,471,143, May 24.
- Cress, William C., Chicago, assignor to Whiting Corporation, Harvey, Ill. Refractory lining composition. 2,461,146, Feb. 8.
- Cressaty, George M., assignee: *See*—
 Rosin, Seymour, and Cressaty.

- Cressman, Homer W. J., Glenside, Pa., assignor to Eastman Kodak Company, Rochester, N. Y. β -naphthoselenazole compounds. 2,475,949, July 12.
- Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of spinnerettes. 2,475,128, July 5.
- Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Spinning collagen solutions. 2,475,129, July 5.
- Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of collagen strands. 2,475,697, July 12.
- Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Apparatus for treating strands. 2,485,957, Oct. 25.
- Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Spinning collagen filaments. 2,485,958, Oct. 25.
- Cresswell Roll Forming Company, Limited, assignee: See—Kinghorn, Charles M.
- Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Regulator circuit. 2,461,964, Feb. 15.
- Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Regulating system. 2,468,546, Apr. 26.
- Crew, La Vonne B., Compton, Calif. Revolving serving table. 2,459,017, Jan. 11.
- Crews, John F.: See—Meade, Reginald E., Taylor, and Crews.
- Crews, Lowell T.: See—Ralston, Anderson W., Crews, and Colt.
- Crews, William A., River Forest, Ill. Closure apparatus for tanks and the like. 2,475,562, July 5.
- Cribb, Troy H., Spartanburg, S. C. Container. 2,477,965, Aug. 2.
- Cribben and Sexton Company, assignee: See—Kamin, George W.
- Crichton, James H., Charlotte, N. C. Soap grater and dispenser. 2,489,081, Nov. 22.
- Crider, Thomas G., Fayetteville, assignor to Carrier Corporation, Syracuse, N. Y. Refrigerator liner and evaporator coil secured to the exterior thereof. 2,467,191, Apr. 12.
- Crider, Thomas G., Lima, Ohio, assignor to Carrier Corporation, Syracuse, N. Y. Farm freezer evaporator. 2,489,754, Nov. 29.
- Crimora Research & Development Corporation, assignee: See—Koster, John.
- Crimora Research and Development Corporation, assignee: See—Jacobs, James H.
- Criner, Harry E., Forest Hills, and R. A. Baudry, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas density meter. 2,484,207, Oct. 11.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Reciprocating bread slicing machine. 2,479,908, Aug. 23.
- Crippa, Eugene R., United States Army. Inductance coil. 2,457,806, Jan. 4.
- Crippen, Herbert O., Sr., Chicago, Ill. Resonating chamber construction for pianos. 2,483,087, Sept. 27.
- Crise Electric Manufacturing Company, assignee: See—Crise, George W.
- Crise, George W., assignor to Crise Electric Manufacturing Company, Columbus, Ohio. Thermostatically operated switch. 2,473,789, June 21.
- Crise, George W., Columbus, Ohio. Electric resistance seam welding bimetallic element. 2,481,087, Sept. 6.
- Crise Manufacturing Company, assignee: See—Korsgren, Theodore Y.
- Criss, Allen B., Biloxi, Miss. Sifter top. 2,472,520, June 7.
- Crist, Robert W., assignor to The Wellman Engineering Company, Cleveland, Ohio. Car dumper. 2,479,816, Aug. 23.
- Cristiano, Angelo M., assignor to Robbins & Myers, Inc., Springfield, Ohio. Electric motor. 2,471,812, May 31.
- Cristofani, Adolph N., and J. R. Rago, Melrose Park, Ill. Emergency fuel tank. 2,485,701, Oct. 25.
- Criswell, David W., Clearwater, Calif. Pump. 2,486,590, Nov. 1.
- Critchfield, Burke H., assignee: See—Edwards, Thomas J.
- Critchfield, Robert A., Neversink, N. Y. Sawmill with swinging work-cleaning auxiliary cutter. 2,478,807, Aug. 9.
- Critchfield, Robert M.: See—Bolles, Julius H., Antonidis, and Critchfield.
- Critchfield, Robert M., and P. L. Schneider, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator control system. 2,467,968, Apr. 19.
- Crittall-Federal, Inc., assignee: See—Kuncy, Clarence F., Wurst, and Serzow.
- Crnich, John R., Chicago, Ill. Toy repeating rubber band gun. 2,462,723, Feb. 22.
- Crocker, De Witt S., New York, N. Y. Curb inlet casting. 2,473,279, June 14.
- Crocker, Kenneth G.: See—Rively, Clair M., and Crocker.
- Croker, Thomas, Chicago, Ill. Memorandum pad. 2,475,698, July 12.
- Crockett, William D., Suffield, Conn., and C. Strniste, Agawam, assignors to American Bosch Corporation, Springfield, Mass. Impulse coupling. 2,476,028, July 12.
- Crockett, Cyril C., assignor: See—Crockett, Sydney R.
- Crockett, Harry L., assignor to Olin Industries, Inc., New Haven, Conn. Sear-control means for firearms. 2,482,842, Sept. 27.
- Crockett, John G., Chatham, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Band switching arrangement for high-frequency circuits. 2,464,557, Mar. 15.
- Crockett, John G., Havertown, assignor to Philco Corporation, Philadelphia, Pa. High-voltage resistor. 2,466,211, Apr. 5.
- Crockett, Sydney R., Freeport, N. Y., assignor to C. C. Crockett, Glendale, Calif. Smudge pot igniter. 2,480,397, Aug. 30.
- Crockett, Thomas E., Tulsa, Okla. Air compressor valve device. 2,486,124, Oct. 25.
- Crockford, Joseph R., assignor to H. Radzinsky and S. W. Dean, Jr., New York, N. Y. Making tampons. 2,458,685, Jan. 11.
- Crofoot, J. B., Co., assignee: See—Hallen, Carl E.
- Croft, Cyril M., Cumberland, Md., assignor to Celanese Corporation of America. Dyeing of nylon fabrics with insoluble acetate dyes and a subsequent steaming step. 2,474,890, July 5.
- Croft, Cyril M., and W. H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America. Combined dyeing and creping process for organic derivative of cellulose fabrics. 2,460,875, Feb. 8.
- Croft, Cyril M., and W. H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America. Producing water-soluble leuco vat dyestuff. 2,476,287, July 19.
- Croft, Cyril M., A. W. Bergeron, and F. G. Dodge, Cumberland, Md., assignors to Celanese Corporation of America. Lapping device. 2,485,705, Oct. 25.
- Croft, Harry P., Cleveland Heights, and E. J. Dunn, Euclid, Ohio, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Aluminum-containing copper-base bearing metal. 2,492,786, Dec. 27.
- Croft-White, Peter G.: See—Garner, Philip J., and Croft-White.
- Croker, Arthur W., Valley Stream, and P. R. Doeg, Jamaica, assignors to The Peelle Company, Brooklyn, N. Y. Safety astragal. 2,475,015, July 5.
- Crom, John M., Washington, D. C., assignor to Preload Enterprises, Inc. Pipe lining machine and method. 2,484,018, Oct. 11.
- Cromonic, Joseph, Brooklyn, N. Y. Double cutter hair clipper. 2,484,610, Oct. 11.
- Crompton, Arthur: See—Bell, William T., and Crompton.
- Crompton, George, Jr., Framingham, assignor to Norton Company, Worcester, Mass. Truing apparatus for centerless machines. 2,459,923, Jan. 25.
- Crompton & Knowles Loom Works, assignee: See—Beatrice, Gabriel C.
- Bergstrom, Carl P.
- Bergstrom, Carl P., and Herard, Jr.
- Bergstrom, Carl P., and Palmer.
- Bergstrom, Carl P., and Sepavich.
- Blanchard, William A.
- Brouwer, Benjamin W., and Sepavich.
- Dion, Raymond F.
- Dion, Raymond F., and Wakefield.
- Hemingway, Joseph J.
- Holmes, Elbridge R.
- Kronoff, Clarence R.
- Kronoff, Clarence R., and Sepavich.
- Krukonis, Alexander C.
- Lindquist, Frank D.
- Manoog, John C., and Wakefield.
- Peterson, George N.
- Robb, Walter Y.
- Santon, Elliot A.
- Sepavich, Victor F.
- Sepavich, Victor F., and Manoog.
- Turner, Richard G.
- Utter, Gustaf H.
- Wakefield, Walter H.
- Whitin, Herbert A.
- Crompton-Shenandoah Co. Inc., assignee: See—Frost, Owen D.
- Cromwell, Harold J.: See—Schneider, Paul L., Cromwell, and Nighbert.
- Cromwell, Herbert F.: See—Kramer, Clarence F., and Cromwell.
- Cromwell, Herbert F., Detroit, and G. R. McCool, assignors to Ford Motor Company, Dearborn, Mich. Convertible top construction for motor vehicles. 2,482,323, Sept. 20.
- Cron, Charles L.: See—Rector, Laurence L., and Cron.
- Cronmiller, Moses E., Bellwood, Pa. Conveyer system. 2,479,214, Aug. 16.

- Croninger, George J.: *See*—
Wahl, Albert J., and Croninger.
- Cronlund, Axel F., Joliet, Ill. Holder for die grinding. 2,485,866, Oct. 25.
- Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor construction for turbines. 2,458,148, Jan. 4.
- Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor construction for turbines. 2,458,149, Jan. 4.
- Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine construction. 2,479,038, Aug. 16.
- Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Cast disk for turbine rotors. 2,479,039, Aug. 16.
- Crook, Erwin T., Dallas, Tex. Electrical outlet. 2,489,956, Nov. 29.
- Crook, Louis H., Washington, D. C. Spark plug. 2,461,590, Feb. 15.
- Crook Paper Box Company, assignee: *See*—
Lisle, Wade H.
- Crooke, Fred F., Jefferson City, Tenn. Master safety switch. 2,458,930, Jan. 11.
- Crooker, David E., Ontonagon, Mich. Antiskid tread for tires and making same. 2,479,474, Aug. 16.
- Crooks, Donald M., assignee: *See*—
Sawyer, Tom V.
- Crooks, Fuller A.: *See*—
Burke, James D., and Crooks.
- Crooks, Harry M., Jr., M. C. Rebstock, J. Controuls, and Q. R. Bartz, assignors to Parke, Davis & Company, Detroit, Mich. Method for making nitrophenyl acyl-amido alkane diols. 2,483,884, Oct. 4.
- Crooks, Harry M., Jr., M. C. Rebstock, J. Controuls, and Q. R. Bartz, assignors to Parke, Davis & Company, Detroit, Mich. Nitrophenyl acyl amido alkane diols. 2,483,885, Oct. 4.
- Crooks, Kenneth Donald, Chicago, Ill. Fumigating apparatus. 2,469,814, May 10.
- Crookston, Robert R., Houston, Tex., assignor by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Friction lining assembly for brake bands. 2,472,467, June 7.
- Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Brake assembly. 2,489,449, Nov. 29.
- Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Valve assembly for plural motor operation. 2,489,450, Nov. 29.
- Croonborg, Harold, Forest Hills, assignor to Brew-Schneider Company, Inc., New York, N. Y. Garment. 2,491,001, Dec. 13.
- Crosby Bros. Manufacturing Company, assignee: *See*—
Crosby, Noble W.
- Crosby, Charles E., assignee: *See*—
Hearst, John R.
- Crosby, Elmer K., Worcester, Mass. Magnetic impulse motor. 2,459,265, Jan. 18.
- Crosby, George A., Park Ridge, and A. I. Ericsson, assignors to Signode Steel Strapping Company, Chicago, Ill. Staple driving machine. 2,482,156, Sept. 20.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Telegraphy receiver with automatic frequency control. 2,462,470, Feb. 22.
- Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Wave length modulator and control means. 2,475,779, July 12.
- Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Limiting detector circuits. 2,470,240, May 17.
- Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Automatic frequency control circuits. 2,473,790, June 21.
- Crosby, Noble W., assignor to Crosby Bros. Manufacturing Company, Trenton, Ontario, Canada. Wire holding device. 2,466,083, Apr. 5.
- Crosby, Stephen A., Chicago, Ill., assignor to Sterling Tool Products Company. Detachable handle for sanding pads. 2,490,419, Dec. 6.
- Crosby, William J., Waterbury, Conn. Stocking hanger. 2,467,011, Apr. 12.
- Crosley Broadcasting Corporation, assignee: *See*—
Rockwell, Ronald J.
- Crosley Motors, Inc., assignee: *See*—
Junkin, Herbert P.
- Klotsch, Paul, and Taylor.
- Crosley, Ralph V., Pacoima, Calif. Sliding ball hitch for automobiles. 2,474,231, June 28.
- Cross, Carroll N., Middleboro, Mass. Mount of cellular material having depressed display area. 2,458,349, Jan. 4.
- Cross, Carroll N., Middleboro, Mass. Easel hinge. 2,472,405, June 7.
- Cross, Charles, assignor to Lanagan & Hoke, Inc., Philadelphia, Pa. High-current battery-charging system. 2,488,711, Nov. 22.
- Cross, Clint, assignor to W. C. Norris, Manufacturer, Inc., Tulsa, Okla. Bending pipe. 2,466,877, Apr. 12.
- Cross Company, The, assignee: *See*—
Klamp, Paul.
- Cross, David, Tuckahoe, N. Y. Hydraulic press. 2,491,551, Dec. 20.
- Cross, Leonard W., Warwood, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Backed lath and manufacture thereof. 2,474,778, June 28.
- Cross, Thomas, Jr.: *See*—
McNab, John G., McNulty, and Cross.
- Crossan, Jesse R., assignee: *See*—
Pfeiffer, Fred B.
- Crossley Brothers Limited, assignee: *See*—
Carter, Herbert D.
- Crossley, Charles P., Halifax, England. Manufacture of pile fabrics. 2,488,004, Nov. 15.
- Crossley, Moses L., Plainfield, V. L. King and E. H. Northey, Bound Brook, and T. F. Scholz, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of nicotinonitrile. 2,491,253, Dec. 13.
- Crossman, Francis M., New York, N. Y. Singeing device for textile fabrics and the like. 2,462,166, Feb. 22.
- Crossman, Theodore C., Wilkinsburg, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,471,313, May 24.
- Croston, Clarence B., Peoria, and C. D. Evans, Peoria Heights, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Producing prolamine filaments. 2,478,248, Aug. 9.
- Crot, André, North Hollywood, assignor to J. B. Humphrey, Los Angeles, Calif. Boom. 2,481,471, Sept. 6.
- Crot, André, Topanga, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Hydraulic operating valve. 2,466,795, Apr. 12.
- Crot, André, Topanga, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Hydraulic control system. 2,466,796, Apr. 12.
- Crot, André, Topanga, Calif. Closable mouth landing net. 2,482,167, Sept. 20.
- Croteau, Leo, Brockton, Mass. Adjustable target. 2,481,724, Sept. 13.
- Crouch, Leonard W.: *See*—
Henry, James E., and Crouch.
- Crouch, Logan R., Jackson, Miss. Blowtorch. 2,482,843, Sept. 27.
- Crouch, Willie W.: *See*—
Schulze, Walter A., and Crouch.
- Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst comprising dispersed alkali metal and carbon black and polymerization process employing said catalyst. 2,483,886, Oct. 4.
- Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst comprising dispersed alkali metal and alkali metal mercaptide and polymerization process employing said catalyst. 2,483,887, Oct. 4.
- Crouch, Willie W., and J. E. Pritchard, Bartlesville, Okla., assignors to Phillips Petroleum Company. Ferrous sulfate pretreatment in emulsion polymerization of conjugated diolefins. 2,471,938, May 31.
- Crouch, Willie W., and J. A. Delap, Bartlesville, Okla., assignors to Phillips Petroleum Company. Temporary protective coating. 2,492,848, Dec. 27.
- Crouse, Abram, assignee: *See*—
Thompson, Albion J.
- Crouse, George B., Wading River, assignor, by mesne assignments, to Photo-Positive Corporation, New York, N. Y. Article for reproducing drawings on blanks. 2,459,266, Jan. 18.
- Crouse-Hinds Company, assignee: *See*—
Bissell, Carl H., and Lester.
- Jeffers, Walter M.
- Parish, Willard E.
- Rock, Joseph, Jr.
- Crow, Clifford O., Columbia, Mo. Hand tool. 2,469,865, May 10.
- Crow, Edgar W., Manhattan Beach, and J. H. Lambert, Los Angeles, Calif., assignors, by mesne assignments, to The Linde Air Products Company. Torch with adjustable gas mixture flow control means. 2,491,648, Dec. 20.
- Crow, Ira R., Los Angeles, Calif. Shoe polishing bracket and tree. 2,459,310, Jan. 18.
- Crow Machine and Equipment Company, assignee: *See*—
McQueen, Willis L.
- Crowder, Clarence E., Oro Grande, Calif. Radiator filter. 2,488,806, Nov. 22.
- Crowder, Hary Q. R., Altadena, and E. A. Bronson, Pasadena, Calif. Apparatus for applying wax to thin sheets. 2,470,093, May 17.
- Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated. Flame hardening or annealing metal. 2,480,287, Aug. 30.
- Crowe, John M., Covington, Ky. Fluid burner with auxiliary external oxygen supply. 2,484,272, Oct. 11.
- Crowell-Collier Publishing Company, assignee: *See*—
Lundbye, Axel E.
- Crowell, Serge L., New York, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Automatic blade drop stop. 2,465,674, Mar. 29.
- Crowfoot, Asa N., assignee: *See*—
Abruzzese, Albert E.
- Crowl, William E., assignor to The W. W. Boes Company, Dayton, Ohio. Electrical measuring instrument and circuits therefor. 2,481,500, Sept. 13.

- Crowley, Duncan J.: *See*—
Smith, Robert L., Crowley, and Waldo.
- Crowley, Duncan J., Penn's Grove, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Mono- and polyalkyl mono- and polynuclear mercaptans. 2,490,257, Dec. 6.
- Crowley, Frank L., assignor to Crowley's Milk Company, Inc., Binghamton, N. Y. Quick frozen homogenized milk. 2,470,020, May 10.
- Crowley, George C., and P. Klein, Bridgeport, Conn., assignors to General Electric Company. Control for electric blankets or the like. 2,479,319, Aug. 16.
- Crowley, John A., Jr.: *See*—
Simpson, Thomas P., Payne, and Crowley, Jr.
- Crowley, John A., Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method for hydrocarbon conversion. 2,464,489, Mar. 15.
- Crowley, John A., Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Cracking with a contact mass. 2,466,005, Apr. 5.
- Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting gas-solid contact operations. 2,458,350, Jan. 4.
- Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting the regeneration of a moving bed catalyst. 2,458,487, Jan. 4.
- Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting reactions in the presence of a solid material. 2,469,329, May 3.
- Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of petroleum hydrocarbons. 2,490,336, Dec. 6.
- Crowley, John C., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Inflating and gauging device. 2,476,706, July 19.
- Crowley, John C., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air bag stem. 2,482,469, Sept. 20.
- Crowley, Henry L., assignee: *See*—
Horn, Clarence A.
- Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,468,178, Apr. 26.
- Crowley, Thomas C.: *See*—
Bjorksten, Johan, and Crowley.
- Crowley's Milk Company, Inc., assignee: *See*—
Crowley, Frank L.
- Crown Cork & Seal Company, Inc., assignee: *See*—
Cooke, Giles B.
Cooper, William B., and Seabold.
Enkur, Edward M., Pahl, and Lauve.
- Crown Cork Specialty Corporation, assignee: *See*—
Caralho, Leslie B. N.
Henschen, Edgar, and Dennis.
- Crown Zellerbach Corporation, assignee: *See*—
Bukowsky, H. E.
Charters, George W.
Sherman, Laurence R., and Benson.
Swift, Frank H.
Winesett, Franklin P.
- Crowther, Albert F., F. H. S. Curd, B. J. Lovell, and H. T. Openshaw, Manchester, and A. R. Todd, assignors to Imperial Chemical Industries Limited, Cambridge, England. Amino pyrimidines. 2,489,526, Nov. 29.
- Crowther, Edmond C., Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill. Stud retainer. 2,492,114, Dec. 20.
- Crowther, Edmond C., Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill. Retainer washer device. 2,492,115, Dec. 20.
- Croxall, Willard J.: *See*—
Neher, Harry T., Kroeker, and Croxall.
- Croxall, Willard J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Ester lactones. 2,459,684, Jan. 18.
- Croxall, Willard J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of halo-substituted acetals. 2,473,014, June 14.
- Croxall, Willard J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparation of ketals. 2,490,337, Dec. 6.
- Croyere, Ghislain, Decazeville, assignor to Louvrol-Montbard-Aulnoye, Paris, France. Plastic bituminous material and making the same. 2,478,654, Aug. 9.
- Crozier, Harold E. and A. G. H. Vanderpoel, Los Angeles, Calif. Water carburetor. 2,458,256, Jan. 4.
- Crozier, Robert E., Detroit, Mich. Space heater. 2,482,746, Sept. 27.
- Crucible Steel Company of America, assignee: *See*—
Payson, Peter.
Savage, Charles H.
- Crudup, William R.: *See*—
Knox, William H., Jr. Cochran, Crudup, and Miller.
- Cruise, Alvis L., Marshfield, Mo. Protector for shoes and boots. 2,485,706, Oct. 25.
- Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure responsive device. 2,485,433, Oct. 18.
- Crumb, Charles F.: *See*—
Johnson, Arnold E. W., and Crumb.
- Crumb, Helma K., administratrix: *See*—
Johnson, Arnold E. W., and Crumb.
- Crumble, James H., Brooklyn, N. Y. Fluid power machine. 2,461,037, Feb. 8.
- Crump, Robert S.: *See*—
Hamill, William W., and Crump.
- Crumrine, Chester W., Irondequoit Township, Monroe County, assignor, by mesne assignments, to L F C Corporation, Rochester, N. Y. Animal trap. 2,469,454, May 10.
- Crumrine, Chester W., Irondequoit Township, Monroe County, assignor, by mesne assignments, to L F C Corporation, Rochester, N. Y. Animal trap. 2,490,017, Dec. 6.
- Crumrine, Kenneth C., Bellaire, Tex., assignor to The Texas Company, New York, N. Y. Radiation detector. 2,462,471, Feb. 22.
- Crussell, Carl A., Minneapolis, Minn. Holder for flatirons. 2,469,866, May 10.
- Cruthers, Finley M.: *See*—
Bies, Peter H., and Cruthers.
- Cruzan, Harold: *See*—
Warrick, Edward C., and Cruzan.
- Cruzan, Harold, Los Angeles, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Oil cooler control. 2,480,120, Aug. 30.
- Cryor, Robert E., Western Springs, and H. J. Cahill, Berwyn, assignors to Union Asbestos & Rubber Company, Chicago, Ill. Insulating tape. 2,468,589, Apr. 26.
- Crystal Research Laboratories, Incorporated, assignee: *See*—
Andresen, Walther, M. A.
Blackburn, Richard K.
- Cubicciotti, Rudolph K., Beverly Hills, assignor to Union Oil Company of California, Los Angeles, Calif. Two-stage azeotropic distillation of nonaromatic hydrocarbons from toluene. 2,483,625, Oct. 4.
- Cuccia, Carmen L.: *See*—
Donal, John S., Jr., Brown, and Cuccia.
- Cudd, Herschel H.: *See*—
Wilson, Charles C., Cudd, and Probasco.
- Cude, William C., U. S. Army. Compass. 2,487,044, Nov. 8.
- Cueni, Clement P., Rutherford, assignor to Porete Mfg. Company, Bergen County, N. J. Composite structure with triangular shear connector. 2,479,475, Aug. 16.
- Cueni, Clement P., Rutherford, assignor to Porete Mfg. Company, N. Arlington, N. J. Composite structure embodying shear connectors. 2,479,476, Aug. 16.
- Cuillierier, Leopold, Verdun, Quebec, Canada. Tire chain latch. 2,462,472, Feb. 22.
- Cukierski, Leo J., Melrose Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Hard rubber. 2,458,351, Jan. 4.
- Culbert, Fred J., Norfolk, Va. Liquid cooled muffler with plural expansion chambers. 2,484,816, Oct. 18.
- Culbertson, Robert A.: *See*—
Angel, Charles M., and Culbertson.
- Culhane, Edward A., deceased, Danbury, Conn., by J. M. Culhane, executor, Bridgeport, and D. D. Wilson, Danbury, Conn., assignors to John B. Stetson Company, Philadelphia, Pa. Machine for carroting loose fur. 2,459,924, Jan. 25.
- Culhane, James M., executor: *See*—
Culhane, Edward A., and Wilson.
- Culk, Jiri, Prague XVI, Czechoslovakia. Making armpit shields. 2,478,249, Aug. 9.
- Culkosky, Martin, Gary, Ind. Motor brush holder. 2,471,480, May 31.
- Culkosky, Martin, Gary, Ind. Apparatus for washing and cooling gases. 2,485,038, Oct. 18.
- Cull, John W., Normandy, Mo., and E. Nilsson, Berkeley, Calif. Cargo and combat pack. 2,461,526, Feb. 15.
- Cullen, Charles C., assignee: *See*—
Kennedy, Arthur.
- Cullen, Edward V., assignor to The Cullen-Friestedt Company, Chicago, Ill. Work positioner. 2,483,811, Oct. 4.
- Cullen, Edward V., assignor to Cullen-Friestedt Company, Chicago, Ill. Dragline bucket. 2,490,582, Dec. 6.
- Cullen-Friestedt Company, The, assignee: *See*—
Cullen, Edward V.
- Cullen, James, assignee: *See*—
Rundle, George W.
- Cullen, Marion W., Washington, D. C. Ratio demonstrator for planetary gearing. 2,490,783, Dec. 13.
- Culley, Erwin R., and M. W. Culley, Chicago, Ill. Play table. 2,481,725, Sept. 13.
- Culley, Marie W.: *See*—
Culley, Erwin R., and M. W.
- Culligan, Emmett J., San Bernardino, Calif., assignor to Culligan Zeolite Company, Northbrook, Ill. Apparatus for providing soft water where no water pressure system exists. 2,482,727, Sept. 20.
- Culligan Zeolite Company, assignee: *See*—
Culligan, Emmett J.
- Cullinan, John F.: *See*—
Lytle, Lawrence D., and Cullinan.

- Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of pyranthrone vat dyestuffs. 2,459,366, Jan. 18.
- Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of heterocyclic imide and imidazole vat dyestuffs. 2,473,015, June 14.
- Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of thionaphthene vat dyestuffs. 2,475,821, July 12.
- Culliton, Edward A., Johnston, Pa. Plate puller. 2,465,011, Mar. 22.
- Culp, Arthur J., Clanton, Ala. Muffler with valved exhaust trap. 2,486,007, Oct. 25.
- Culp, Herbert P., Williamsville, assignor to American District Steam Company, North Tonawanda, N. Y. Packless expansion joint. 2,481,472, Sept. 6.
- Culp, Mary J., Cranston, R. I. Educational apparatus. 2,482,658, Sept. 20.
- Culver, Lloyd A., Fullerton, Calif. Golf score indicator. 2,485,191, Oct. 18.
- Culver, Merlyn M., assignor to Midwest Aircraft Products, Inc., Dayton, Ohio. Clothesline reel. 2,466,688, Apr. 12.
- Culver, Perrin C., South Gate, assignor to A. N. Torkelson, Alhambra, Calif. Retractable step. 2,487,921, Nov. 15.
- Culveyhouse, Stanley J.: *See—*
Page, Ralph E., and Culveyhouse.
- Cummerow, Robert L., New London, Conn., and L. K. Davis, Brockton, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Phase shifting potentiometer. 2,483,125, Sept. 27.
- Cumming, James M.: *See—*
Baker, Benjamin P., and Cumming.
Baker, Benjamin P., Van Sickle, and Cumming.
Leeds, Winthrop M., and Cumming.
Wallace, James M., Rawlins, Cumming, and Aspey.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,460,450, Feb. 1.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,724, Feb. 22.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,465,203, Mar. 22.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,470,604, May 17.
- Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker with isolating switch. 2,477,788, Aug. 2.
- Cumming, James M., Turtle Creek, and D. C. Blewitt, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,479,320, Aug. 16.
- Cumming, Milton K.: *See—*
De Witt, Walter M., Sr., and Cumming.
- Cumming, Reginald L., assignor of twenty-five per cent to E. G. Streicher, twenty-five per cent to E. M. Streicher, and twenty-five per cent to G. A. Weins, Ypsilanti, Mich. Hydraulic transmission and clutch. 2,473,638, June 21.
- Cummings, Archibald M., Port Angeles, Wash. Dynamo-electric machine. 2,458,569, Jan. 11.
- Cummins, Arthur B., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of structural shapes. 2,459,685, Jan. 18.
- Cummings, Arthur H., Ventura, Calif. Brassière. 2,472,940, June 14.
- Cummings, Frank B.: *See—*
Cummings, John A. and Frank B.
- Cummings, Harold R., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device with internal capacitor. 2,470,605, May 17.
- Cummings, John A. and F. B., Bangor, Maine, said F. B. Cummings assignor to said J. A. Cummings. Potato seed cutter. 2,458,568, Jan. 11.
- Cummins, Lawrence A., Toledo, Ohio. Boat oar mechanism. 2,464,027, Mar. 8.
- Cummings, Leland W. T., Wyncote, assignor to Sun Oil Company, Philadelphia, Pa. Catalytic reaction apparatus. 2,475,822, July 12.
- Cummings Machine Works, assignee: *See—*
Chase, Henry A.
- Cummings, Parker E., Sr., Honolulu, Territory of Hawaii. Carburetor. 2,461,411, Feb. 8.
- Cummings, Russell W., assignee: *See—*
Wilson, Emory L.
- Cummings, Teresa, Buffalo, N. Y. Display rack. 2,483,263, Sept. 27.
- Cummins, George E., Maricopa County, Ariz. Newspaper trap. 2,485,707, Oct. 25.
- Cummins, Harry S., Hammond, Ind. Detachable thermocouple housing. 2,480,557, Aug. 30.
- Cummins, William H., Tulsa, Okla. Adjustable saw gauge. 2,492,686, Dec. 27.
- Cuniff, Albert, Brookfield, Ill. Two-cylinder foot operated air pump. 2,476,481, July 19.
- Cunningham, Arthur R., Detroit, Mich. Variable-speed power transmitting mechanism. 2,464,635, Mar. 15.
- Cunningham, Arthur R., Detroit, Mich. Loading device. 2,484,490, Oct. 11.
- Cunningham, Edmund D., Jr., Worcester, Mass. Ball wound method for laying wire. 2,490,032, Dec. 6.
- Cunningham, Hal M., Branford, Conn. Draft controlling device. 2,487,856, Nov. 15.
- Cunningham, James J., and R. W. B. Johnston, Houston, and R. E. Phillips, Pasadena, Tex., assignors to Shell Development Company, San Francisco, Calif. Flowmeter. 2,491,445, Dec. 13.
- Cunningham, James M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for training pilots and other aircraft personnel. 2,472,888, June 14.
- Cunningham, John D., Houston, Tex. Pump plunger. 2,462,257, Feb. 22.
- Cunningham, John F., Jr., Greensburg, assignor to Elliott Company, Jeannette, Pa. Making wire brushes. 2,472,003, May 31.
- Cunningham, John H., Blacksburg, Va. Supporting means for basketball goal nets. 2,489,174, Nov. 22.
- Cunningham, Rhea D., Arlington County, Va. Signal amplitude responsive trigger circuits for quantizing. 2,486,390, Nov. 1.
- Cunningham, Rhea D., Arlington County, Va. Signal amplitude responsive trigger circuits for quantizing. 2,486,391, Nov. 1.
- Cunningham, Richard, assignee: *See—*
Spurlock, George W.
- Cunningham, Thomas J., Baltimore, Md. Electric lighted key chain. 2,485,483, Oct. 18.
- Cunnington, George A., Avon, assignor to The Midland Steel Products Company, Cleveland, Ohio. Spacing means for cargo units. 2,486,125, Oct. 25.
- Cunnington, George H., assignee: *See—*
Lea, Walter A.
- Cuno Engineering Corporation, The, assignee: *See—*
Kroll, Alfred J., and Schnick.
- Cuny Engineering Inc., assignee: *See—*
Cuny, Ernest A.
- Cuny, Ernest A., New York, N. Y., assignor to Cuny Engineering Inc. Pump. 2,462,725, Feb. 22.
- Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions. 2,467,192, Apr. 12.
- Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive compositions. 2,487,223, Nov. 8.
- Cupery, Martin E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersion of a salt of an N-monoalkyl substituted polymeric amic acid. 2,490,677, Dec. 6.
- Cupo, William J., Jersey City, N. J., assignor to Waldorf Paper Products Co., St. Paul, Minn. Carton handling apparatus. 2,485,040, Oct. 18.
- Cupp, Alfred L., Alexandria, Va. Cradle for flatcars. 2,480,121, Aug. 30.
- Curci, Alfred, New Haven, Conn. Firing and safety means for breakdown firearms. 2,465,432, Mar. 29.
- Curd, Francis H. S.: *See—*
Basford, Frederick R. B., Curd, and Rose.
Basford, Frederick R., Curd, Rose, Openshaw, Hull, and Todd.
Crowther, Albert F., Curd, Lovell, Openshaw, and Todd.
- Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Biguanide derivatives. 2,467,371, Apr. 19.
- Curd, Francis H. S., C. G. Raison, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 2-arylamino-4-halogenoquinolines. 2,472,066, June 7.
- Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Biguanide derivatives. 2,473,989, June 21.
- Curd, Francis H. S., D. N. Richardson, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Biguanide derivatives. 2,475,081, July 5.
- Curd, Francis H. S., J. K. Landquist, C. G. Raison, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Quinazoline derivatives. 2,488,379, Nov. 15.
- Cureton, Thomas H.: *See—*
Lewis, Charles P., and Cureton.
- Curioni, Aldo R., assignor to Saroni Company, Inc., New York, N. Y. Segregating and weighing machine. 2,466,386, Apr. 5.
- Curlee, Harvey F., near Charlotte, N. C. Confection making machine. 2,472,650, June 7.
- Curlette, Inc., assignee: *See—*
Stewart, Robert G.
- Curley, John J., Brockton, Mass. Paperweight. 2,474,036, June 21.
- Curphy, William C., Montour, Iowa. Exhaust pipe attachment. 2,468,961, May 3.
- Curran Cushion and Textile Company, assignee: *See—*
Curran, Frank J.
- Curran, Frank J., Downers Grove, Ill., assignor to Curran Cushion and Textile Company. Cushion or back rest. 2,461,880, Feb. 15.
- Curran, Frank J., Hinsdale, Ill. Self-opening collapsible chair. 2,457,978, Jan. 4.

- Curran, Lionel K., Croydon, Sydney, New South Wales, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Frequency comparator. 2,479,817, Aug. 23.
- Current, Ira B., Binghamton, N. Y. Duplicating of index cards and the like for cross filing purposes. 2,490,033, Dec. 6.
- Currie, Donald, assignee: *See*—
Currie, Dugald.
- Currie, Donald H., Detroit, Mich. Sealing end plates of heat exchangers. 2,488,807, Nov. 22.
- Currie, Dugald, Des Moines, assignor to Donald Currie, Odebolt, Iowa. Tractor hitch bracket. 2,462,726, Feb. 22.
- Currier, Loren C., Tulsa, Okla. Wheel balancing machine. 2,461,591, Feb. 15.
- Curry, Oliver B., Wichita, Kans., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,491,956, Dec. 20.
- Curry, Paul, New Haven, Conn. Electrical communication system. 2,470,760, May 24.
- Curry, Robert S., Jr.: *See*—
Craddock, Reginald V., and Curry.
Craddock, Reginald V., and Curry, Jr.
- Curry, Robert S., Jr., Baldwin, N. Y., assignor to The Sperry Corporation. Variable inductor. 2,466,690, Apr. 12.
- Curry, Robert S., Jr., Baldwin, N. Y., assignor to The Sperry Corporation. Servomotor and control system therefor. 2,474,830, July 5.
- Curteman, Wallas D., Kansas City, Mo. Impression instrument. 2,459,925, Jan. 25.
- Curtin, George M., Gloversville, N. Y. Grinding apparatus. 2,463,750, Mar. 8.
- Curtin, Leonard S., Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of stitchdown shoes. 2,467,466, Apr. 19.
- Curtis, Arvel C., and C. S. Tomlinson, Odessa, Tex. Apparatus for coating the interior of pipe lines. 2,480,358, Aug. 30.
- Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,460,064, Jan. 25.
- Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact protective network. 2,476,842, July 19.
- Curtis, Austen M., deceased, late of South Orange, N. J., by L. S. Curtis, executrix, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact protection network. 2,476,843, July 19.
- Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective arrangement for switch contacts. 2,481,003, Sept. 6.
- Curtis, Clement N., Weymouth, Mass. Computing machine. 2,488,271, Nov. 15.
- Curtis, Edgar S., Hanford, Calif. Clamp for holding spaced ice-cream cans. 2,483,038, Sept. 27.
- Curtis Engineering Company, assignee: *See*—
Stedman, James A.
- Curtis, Ernest, assignee: *See*—
DeRuggeris, John.
- Curtis, Grover C., Bryan, Tex. Gathering head for cotton harvesting machines. 2,471,314, May 24.
- Curtis, Harold C., Chicago, Ill. Hair curler. 2,492,211, Dec. 27.
- Curtis, Helene, Industries, Inc., assignee: *See*—
Nemeth, Otto R.
Whyte, John.
- Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Supporting column. 2,461,810, Feb. 15.
- Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Making rock drill bits. 2,463,953, Mar. 8.
- Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Percussive tool. 2,461,527, Feb. 15.
- Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Rock drill. 2,461,528, Feb. 15.
- Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Valve mechanism. 2,461,529, Feb. 15.
- Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Rock drill. 2,461,530, Feb. 15.
- Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Pressure fluid motor. 2,488,270, Nov. 15.
- Curtis, Kenneth L., United States Navy, L. V. R. Philpott, and A. G. Thompson, Washington, D. C. Engine synchronizer. 2,465,358, Mar. 29.
- Curtis, Kenneth L., U. S. Navy, and L. R. Philpott, Washington, D. C. Condenser fed plural relay system. 2,466,689, Apr. 12.
- Curtis, Lavalette S., executrix: *See*—
Curtis, Austen M.
- Curtis, Lewis G.: *See*—
Bedworth, Arthur H., and Curtis.
- Curtis, Lorin W., Verona, assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Sealed lighting unit and electric incandescent lamp therefor. 2,459,151, Jan. 11.
- Curtis Pump Company, assignee: *See*—
Curtis, Russell R.
- Curtis, Richard C., Short Hills, N. J., assignor to Faximile, Inc., New York, N. Y. Facsimile synchronizing device. 2,474,829, July 5.
- Curtis, Richard J., Santa Monica, and J. Miller, Los Angeles, Calif., assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Operator controlled telephone test system. 2,488,808, Nov. 22.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Vapor expelling pump. 2,463,251, Mar. 1.
- Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Separating gases from liquid fuel. 2,469,917, May 10.
- Curtis, Thomas E.: *See*—
Caldwell, John R., and Curtis.
Caldwell, John R., Richardson, and Curtis.
- Curtis, Truman P.: *See*—
De Walt, Kenneth C., and Curtis.
- Curtis, Walter C., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Sealing the ends of duplex insulated webs in roll form, and product thereof. 2,466,387, Apr. 5.
- Curtis, William H., Pass Christian, Miss. Reading stand. 2,459,873, Jan. 25.
- Curtiss-Wright Corporation, assignee: *See*—
Bauer, William M.
Birk, P. M., and Steele.
Brady, George W.
Chillson, Charles W.
Cook, Sherman H.
Darby, Robert A.
Dean, George A.
Dickinson, Ernest G., and Parkin.
Donner, Verne P.
Dreifke, Raymond F.
Enos, Louis H.
Erny, Frank.
Garraway, George H.
Griffin, Harry M.
Hamilton, Jack I.
Helling, Raymond P.
Hess, Robert W., and Martin.
Holfelder, August A.
Hutmacher, John J., and Raiche.
Jenny, Robert W.
Kochenburger, Ralph J.
Lemonier, Camille R., and Waldron.
Linscott, Austin B.
Lohmann, Earle F.
McPherson, Arthur D., Dalton, and Smith.
Murphy, Howard.
Paxhia, Emanuel F., and Cash.
Peters, Elwyn H., Engelhardt, and Brierton.
Raiche, Louis G.
Richardson, Russell.
Rutledge, John E.
Schmidt, Eugene F.
Schoenbaum, Joseph R.
Schoenbaum, Joseph R., and Clark, Jr.
Sheets, Jack H., and Cushman.
Sourwine, William A., Mayhard, and Flax.
Steinberger, Arthur W.
Steele, Frederick L., and Thompson.
Tiedeman, Robert K.
Westcott, William B., Jr.
White, Roland J.
Wilde, Arthur E., Jr.
Wing, Robert C.
Wishart, Herbert W.
Wright, Ben W.
- Curtiss, Charles B., assignor to Valley Welding & Boiler Co., Bay City, Mich. Electric heating unit. 2,469,634, May 10.
- Curtiss, George E., Jr., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator. 2,463,250, Mar. 1.
- Curtiss, George E., Jr., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Switch and latch strike unit. 2,467,815, Apr. 19.
- Curtiss, George E., Jr., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator liner support. 2,473,573, June 21.
- Curtiss, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.
- Cusano, Paul, Union City, N. J. Scoreboard. 2,461,811, Feb. 15.
- Cusano, Paul, Union City, N. J. Board leveling mechanism. 2,479,477, Aug. 16.
- Cusato, Ralph T., Collingswood, N. J., assignor to Radio Corporation of America. Electrical terminal. 2,475,448, July 5.
- Cushing, Paul J., Piedmont, and P. M. Enright, assignors to Hydraulic Dredging Company, Ltd., Oakland, Calif. Control system for hydraulic dredges. 2,461,311, Feb. 8.
- Cushman, Maurice E.: *See*—
Sheets, Jack H., and Cushman.
- Cushman, Russell B., Brattleboro, Vt. Brick cleaning and shaping machine. 2,464,796, Mar. 22.

- Cusick, John W., assignor to G. D. Searle & Co., Skokie, Ill. Chemical compositions and the preparation thereof. 2,461,038, Feb. 8.
- Cusick, John W., and R. A. Robinson, assignors to G. D. Searle & Co., Skokie, Ill. Fluorenyl esters and method. 2,480,224, Aug. 30.
- Cusick, Arthur, Youngstown, Ohio. Twin pails. 2,470,432, May 17.
- Cuskie, Herman C., Rolla, Mo., assignor to Chrysler Corporation, Highland Park, Mich. Valve structure. 2,481,083, Sept. 6.
- Custer, Harry W., Center Line, Mich. Receptacle supporting rack. 2,461,374, Feb. 8.
- Custer, Harry W., Center Line, Mich. Refrigerator cabinet having ice-cream can support means. 2,483,264, Sept. 27.
- Custer, Randall M., Santa Monica, Calif. Arced-lift jack. 2,487,792, Nov. 15.
- Custer, Willard R., Hagerstown, Md. Channeled airplane wing and propulsion means therefor. 2,476,482, July 19.
- Custin, Thomas G., Syracuse, N. Y., assignor to General Electric Company. Demodulator for frequency modulated signals. 2,484,556, Oct. 11.
- Custin, Thomas G., Syracuse, N. Y., assignor to General Electric Company. Pulse length modulation system. 2,492,736, Dec. 27.
- Custom Scientific Instrument, Inc., assignee: See—Allen, Robert R.
- Cuthbertson, William J., Pittsfield, and L. S. Schell, Jr., Lenox, Mass., assignors to General Electric Company. Electric switch. 2,461,965, Feb. 15.
- Cuthbertson, William J., Pittsfield, and L. S. Schell, Jr., Lenox, Mass., assignors to General Electric Company. Electric switch. 2,466,388, Apr. 5.
- Cuthill, Robert W., Springfield Township, Delaware County, Pa. Nonslipping rubber base materials. 2,469,372, May 10.
- Cuthrell, Antum E., Pleasanton, Tex. Portable brush and tree cutting machine of the hammer-driven cutter blade type. 2,474,037, June 21.
- Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,482,158, Sept. 20.
- Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional microwave antenna. 2,483,575, Oct. 4.
- Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional microwave antenna. 2,489,865, Nov. 29.
- Cutler-Hammer, Inc., assignee: See—Audier, Mark, and Elliot.
Baer, Walter O.
Bridges, Robert B.
Brown, William E.
Charbonneau, Allan P.
Charbonneau, Allan P., and Seeger.
Cox, Irvin W.
Cox, Irvin W., and Drugmand.
Drugmand, Lester D.
Drugmand, Lester D., and Seeger.
Douglas, John F. H., Pell, and Seeger.
Elliot, William H.
Evans, Clarence T.
Fath, Douglas W.
Feldhausen, Cyril P.
Hunter, Richard B.
Hunter, Richard B., and Pell.
Koenig, Martin F.
Kuhn, Clarence W.
Lassen, Elvind U.
Lexa, George J.
Lilquist, Arvid E.
Mekelburg, Harold L.
Meuer, George J.
Pell, Eric.
Pell, Eric, and Seeger.
Perrine, Robert O.
Perrine, Robert O., Richter, and Seeger.
Reeves, James B.
Richter, Walther.
Robbins, Clyde F.
Rosing, Theodore F.
Rouse, William H.
Seeger, Edwin W.
- Cutler, Stanley, and N. Wiener, Los Angeles, Calif., assignors to Hoffman Radio Corporation. Loop inductance compensator. 2,460,492, Feb. 1.
- Cutler, Wallace M., Gloucester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Drill gun. 2,486,008, Oct. 25.
- Cutrer, John P., assignor to Reed Roller Bit Company, Houston, Tex. Welding gun adapter. 2,478,525, Aug. 9.
- Cutright, Robert S., assignor to Wingfoot Corporation, Akron, Ohio. Box welding machine. 2,469,815, May 10.
- Cutsinger, Lowell D.: See—Cutsinger, Russell M. and L. D.
- Cutsinger, Russell M. and L. D., Newman, Ill. Coupling for tractor or trailer vehicles. 2,467,816, Apr. 19.
- Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France. Clutch operator for lathes. 2,463,521, Mar. 8.
- Cuttat, Georges E., Geneva, Switzerland, assignor to Manufacture de Machines du Haut-Rhin, Haut-Rhin, France. Safety device for endless screw control. 2,467,426, Apr. 19.
- Cutting Room Appliances Corporation, assignee: See—Gilbert, Herman W., and Deichmann.
- Cuttino, William H.: See—Geiselman, Ralph A., and Cuttino.
- Cuyahoga Spring Company, The, assignee: See—Van Uum, John H., Emming, and Lohr.
- Cyc-Arc Limited, assignee: See—Ainsworth, Arthur R.
- Cyclo Gear Company Limited, assignee: See—Simpson, John C.
- Cynamon, Charles and E. A., New York, N. Y. Vehicle rear axle housing support. 2,485,434, Oct. 18.
- Cynamon, Edward A.: See—Cynamon, Charles and E. A.
- Cyphers, Elmer B., Cranford, and G. M. McNulty, Union, N. J., assignors to Standard Oil Development Company. Lubricants of the extreme pressure type. 2,488,618, Nov. 22.
- Cyr, Benjamin: See—Wilson, John M., and Cyr.
- Czak, Edwin E., Elyria, Ohio. Auxiliary table top. 2,468,962, May 3.
- Czapar, Frank, Jr., San Diego, Calif. Manually operable meat cleaning implement having an elastic scraping edge. 2,489,483, Nov. 29.
- Czarnecki, Frank C., Ridgewood, N. J. Lift gauge for floating drydocks. 2,489,755, Nov. 29.
- Czarnikow, George K., and C. R. Van Horn, assignors to Wollensak Optical Company, Rochester, N. Y. Iris diaphragm blade. 2,465,578, Mar. 29.
- Czarnikow, George K., assignor to Wollensak Optical Company, Rochester, N. Y. Microscope fine adjustment mechanism. 2,480,001, Aug. 23.
- Czarnota, John J., Oak Park, Ill. Cleaning attachment for photographic flash guns. 2,479,726, Aug. 23.
- Czekalski, Bernard, Luzerne, Pa. Picker. 2,465,852, Mar. 29.
- Czerner, Severin F., Kings Mill, Tex. Variable displacement radial vane rotary motor. 2,474,348, June 28.
- Czerniewicz, John F., Mineola, N. Y. Shelf. 2,472,004, May 31.
- DMG Corporation, assignee: See—McKuskie, Stanley A.
- Dabo Ltd., assignee: See—Koller, Emil.
- Dacey, Mary M., executor, assignee: See—Moore, Thomas F.
- Dach, Max, Flushing, N. Y. Safety control device. 2,474,232, June 28.
- Dachkevitch, Vsevolod, Neuilly-sur-Seine, France. Malaxator. 2,482,324, Sept. 20.
- Dadisman, Harry A.: See—George, Forrest, and Dadisman.
- Daellenbach, Raymond E., Ellwood City, assignor of one-half to C. Humphrey, Grove City, Pa. Rocking toy. 2,470,473, May 17.
- Dager, Albert, assignor of one-half to E. Shaheen, Los Angeles, Calif. Sheet receiving and aligning bin. 2,460,876, Feb. 8.
- D'Agostino, Vincent F.: See—Chapman, Alan T., and D'Agostino.
- Dahelm, Mathias J., and F. L. Finn., Minneapolis, Minn. Vulcanizing equipment. 2,480,714, Aug. 30.
- Dahl, Andrew I., Arlington, Va. Thermocouple junction with radiation shield. 2,472,808, June 14.
- Dahl, Edward T., Providence, R. I., assignor to Hammel-Dahl Company. Pressure responsive device. 2,492,465, Dec. 27.
- Dahl, Robert E., assignor to Robra Products Co., Cicero, Ill. Grinding wheel radius and angle dresser. 2,479,101, Aug. 16.
- Dahl, Roger: See—Allen, Grant and Dahl.
- Dahle, Donald E., U. S. Navy. Antidetonant liquid injection apparatus. 2,482,102, Sept. 20.
- Dable, Frederick A., Los Angeles, Calif. Concrete step form. 2,470,690, May 17.
- Dahlem, J. Gordon, assignor to The Wayne Pump Company, Fort Wayne, Ind. Hose fitting mechanism. 2,461,312, Feb. 8.
- Dahlgren, Dwight J. A., L. G. Hendrickson, and D. L. Griffith, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Activated zinc dust for gold and silver precipitation. 2,477,443, July 26.
- Dahlin, Fred A., Chicago, Ill. Roof ventilator. 2,489,011, Nov. 22.
- Dahlne, Lawrence J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fire detecting apparatus. 2,478,373, Aug. 9.
- Dahlman, Verner, assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter. 2,486,520, Nov. 1.
- Dahlman, Verner, assignor to American Air Filter Company, Inc., Louisville, Ky. Electrical dust precipitator. 2,486,521, Nov. 1.
- Dahlman, Verner, assignor to American Air Filter Company, Inc., Louisville, Ky. Electrical dust-precipitating unit. 2,488,712, Nov. 22.

- Dahlstrom, Eric T. J., and M. Caplan, assignors to Henry Hildebrandt, Chicago, Ill. Bracket. 2,459,503, Jan. 18.
- Dahlstrom, Richard E., assignor to Donaldson Company, Inc., St. Paul, Minn. Rain trap for ventilating exhaust stacks. 2,482,577, Sept. 20.
- Dahm, Cornelius G., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Method and apparatus for minimizing the horizontally-traveling components of seismic waves. 2,473,469, June 14.
- Dahm, Thomas M., Pasadena, and M. F. George, Jr., Los Angeles, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Electric fire detector. 2,487,526, Nov. 8.
- Dahnke, Marye, Chicago, Ill., assignor to Kraft Foods Company. Mixer. 2,486,126, Oct. 25.
- Dalber, Ome C., Seattle, Wash. Insulated structure. 2,464,380, Mar. 15.
- Dalger, George F., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,463,359, Mar. 1.
- Dalgle, Jules O., Welsh, La. Dual spinner game indicator. 2,466,981, Apr. 12.
- Daily, Lewis A., Oshkosh, Wis. Landing net. 2,472,572, June 7.
- Dalley, Manvel C., Elmhurst, assignor to United States Gypsum Company, Chicago, Ill. Sealing earth formations and an earth sealing plug suitable therefor. 2,492,212, Dec. 27.
- Dalley, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Coil annealing furnace. 2,479,102, Aug. 16.
- Dalley, William H., Jr., Library, Pa., assignor to Carnegie-Illinois Steel Corporation. Gas circulating separator. 2,489,012, Nov. 22.
- Daily, Edward J., Highland Park, Mich. Grinding wheel dressing device. 2,458,768, Jan. 11.
- Daily, Francis L., assignee: *See*—
- Brabender, George J., Bard, and Daily.
- Daily, James M.: *See*—
- Brabender, George J., Bard, and Daily.
- Dairy Research Laboratories, Inc., assignee: *See*—
- Treblner, Henning A.
- Dairy Specialties, Inc., assignee: *See*—
- Jones, John P.
- Daisy Manufacturing Company, assignee: *See*—
- Lefever, Charles F.
- Dakin, Eric McE.: *See*—
- Grünwald, Friedrich, and Dakin.
- Daku, Elek, Little Falls, N. J. Air tap hammer. 2,483,626, Oct. 4.
- D'Alberto, Benedetto, Brooklyn, N. Y. Hair clip. 2,459,926, Jan. 25.
- Dalbey, Russell L., assignor of one-half to G. N. Lollis, Spokane, Wash. Sandal with flexible wooden sole. 2,466,580, Apr. 5.
- D'Albis, Rosalind: *See*—
- Davidson, Joe and A., and d'Albis.
- Dalby, Delbert G., assignor to Roberts Paper Company, Amarillo, Tex. Carbon pack for multiple web type-writing machines. 2,479,156, Aug. 16.
- Dalby, Gaston: *See*—
- Russ, Walter R., Hoffman, Schweitzer, and Dalby.
- Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Wire recorder. 2,481,004, Sept. 6.
- Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Record changing phonograph. 2,490,678, Dec. 6.
- Dale, Samuel H., Sutton Coldfield, assignor to The General Electric Company, Limited, London, England. Reversible direct-current motor system. 2,480,225, Aug. 30.
- Dale, Vernon F., Onalaska, Wis. Producing helical brushes. 2,483,627, Oct. 4.
- Dale, William C., Livingston, N. J., assignor to Radio Corporation of America. Electron discharge device and manufacture. 2,481,202, Sept. 6.
- D'Alelio, Gaetano F., Cleveland, Ohio, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Vulcanizable copolymers of a vinyl aryl compound, butadiene and maleic esters. 2,457,872, Jan. 4.
- D'Alelio, Gaetano F., Cleveland, Ohio, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Vulcanizable copolymers of acrylonitrile, butadiene and maleic esters. 2,457,873, Jan. 4.
- D'Alelio, Gaetano F., Cleveland, Ohio, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Method of preparing molecularly oriented copolymers of acrylonitrile, butadiene 1,3, and diethyl maleate. 2,458,352, Jan. 4.
- Dales, Harold E., and R. C. Baarlaer, Detroit, Mich. Drain device. 2,481,909, Sept. 13.
- Daley, Bernard A.: *See*—
- Taylor, Robert S., and Daley.
- Daley, Edward A.: *See*—
- Bracy, Benjamin F., and Daley.
- Dalglis, John, assignee: *See*—
- Laurie, Kenneth S.
- Dalla, John F., Webster, N. Y. Paintbrush holder and stripper. 2,483,265, Sept. 27.
- Dalin, David, Ronninge, and G. V. Hagby, Ostertalje, assignors to A./B. Svenska Maskinverken, Sodertalje, Sweden. Steam boiler or the like having extended heat transfer surfaces. 2,469,635, May 10.
- Dalkin, A. Company, assignee: *See*—
- Yuza, Rudolph.
- Dall, Albert H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Hydraulic pump. 2,492,687, Dec. 27.
- Dall, Albert H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Hydraulic power unit. 2,492,688, Dec. 27.
- Dall, Albert H., and H. Horlacher, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled machine tool. 2,471,097, May 24.
- Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard. 2,469,816, May 10.
- Dall, Robert C., Cincinnati, Ohio. Warning device. 2,477,725, Aug. 2.
- Dallmeyer, Helmuth D.: *See*—
- Brown, Herschel S., and Dallmeyer.
- Dally, Roy, Racine, Wis., assignor to R. H. Wendt, Chicago, Ill. Stock supported peashooter. 2,460,924, Feb. 8.
- Dally, Roy, Racine, Wis., assignor to Electrovox Company, Inc., East Orange, N. J. Phonograph pickup. 2,480,907, Sept. 6.
- Dalo, John, Johnston, assignor to A and Z Chain Company, Providence, R. I. Extensible clasp for bracelets. 2,491,887, Dec. 20.
- Dalsemer, Rhodena C., assignor to Siftproof Carton Associates, New York, N. Y. Dispensing container. 2,485,816, Oct. 25.
- Dalton, Donald A., assignor to The Dalton Foundries, Incorporated, Warsaw, Ind. Disconnectable universal joint. 2,460,216, Jan. 25.
- Dalton Foundries, Inc., The, assignee: *See*—
- Dalton, Donald A.
- Dalton, Herbert W., Redfern, New South Wales, Australia. Transfer molding press. 2,465,204, Mar. 22.
- Dalton, John E., Wakefield, R. I. Device for holding the pages of loose-leaf books in open position. 2,479,215, Aug. 16.
- Dalton, Robert M.: *See*—
- McPherson, Arthur D., Dalton and Smith.
- Dalton, Simon E., Jr., Ventnor City, N. J. Bathtub with contained shower curtain. 2,465,853, Mar. 29.
- Dalton, Simon E., Jr., Atlantic City, N. J. Shower curtain for bathtubs. 2,481,397, Sept. 6.
- Daly, George F.: *See*—
- Page, Ralph E., Beattie, and Daly.
- Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Adjustable cam mechanism. 2,475,311, July 5.
- Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Accumulator entry means controlled by combinational hole records. 2,475,312, July 5.
- Daly, George F., and B. H. Phillips, Endicott, and G. V. A. Malmros, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Apparatus for training bombardiers. 2,478,250, Aug. 9.
- Daly, John, Asheville, assignor to Valdale Company, Inc., Hendersonville, N. C. Electrically heated fabric. 2,462,847, Mar. 1.
- Dalzen, Frederick R., trustee, assignee: *See*—
- Overstedt, Ernest A.
- Dalzen, Louella M., trustee, assignee: *See*—
- Overstedt, Ernest A.
- Dalzen Trust, assignee: *See*—
- Overstedt, Ernest A.
- Dalzen, William R., trustee, assignee: *See*—
- Overstedt, Ernest A.
- Dalziel, William: *See*—
- Wilson, Arthur D., and Dalziel.
- Dame, Lester E., Concord, N. H. Shoe sole shank trimmer. 2,485,708, Oct. 25.
- Damenstein, Rosalie (N), Los Angeles, assignor of one-fourth to F. Blum, Beverly Hills, Calif. Coat hanger. 2,489,866, Nov. 29.
- Damiano, Frank, Newburgh, N. Y. Toy bank. 2,472,064, June 7.
- D'Amico, Sebastiano, assignee: *See*—
- Parilla, Daniel.
- Damme, Walter O.: *See*—
- Cooperider, Noel L., and Damme.
- Dammers, Bernhardus G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Oscillograph comprising a cathode-ray tube. 2,464,558, Mar. 15.
- Damosel, Inc., assignee: *See*—
- Hall, Lawrence J., and Ruth.
- Damrow Brothers Company, assignee: *See*—
- Damrow, Edward C.
- Damrow, Edward C., assignor to Damrow Brothers Company, Fond du Lac, Wis. Curd treating apparatus. 2,488,053, Nov. 15.
- Damschroder, Rudolph E., and M. E. Kauffman, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing gelatin. 2,460,809, Feb. 8.
- Damstra, Peter G., Holland, Mich. Pipe clamp. 2,471,611, May 31.

- Dana, Charles A., Plainfield, and W. H. Leitz, Westfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,479,321, Aug. 16.
- Dana Corporation, assignee: *See*—
 Peterson, Carl D., and Barth.
 Peterson, Carl D., and Deimel.
 Peterson, Carl D., Deimel, and Wolcott.
 Peterson, Carl D., and Burkhalter.
 Peterson, Carl D., Deimel, and Zingsheim.
- Dana, Junius, University Heights, Ohio, assignor to General Electric Company. Filter for flash lamps. 2,465,068, Mar. 22.
- Danbom, Edward W.: *See*—
 Nolan, Ernest R., and Danbom.
- Danciger Oil & Refining Company, assignee: *See*—
 Spring, Otto.
- Dancy, Lila G., executrix: *See*—
 Larkin, John J.
- Dancy, Lila G., executor, et al.: *See*—
 Larkin, John J.
- D'Andrea, Charles J., Chicago, Ill. Receptacle for cotton rolls. 2,487,107, Nov. 8.
- Dane, Bruce W., Newark, N. J. Instrument mallet. 2,473,865, June 21.
- Danelz, Patricia G., Minneapolis, Minn. Neck scarf. 2,462,727, Feb. 22.
- Danenbauer, George M., Chicago, Ill., assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Packaging. 2,472,521, June 7.
- Danforth, Roy E., San Francisco, Calif. Oven. 2,478,526, Aug. 9.
- Danforth, George L., Danvers, assignor to Submarine Signal Company, Boston, Mass. Hoist-lower control. 2,469,594, May 10.
- Danforth, Joseph D., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of conjugated diolefins and vinyl compounds. 2,466,212, Apr. 5.
- Danforth Radio Company Limited, assignee: *See*—
 Hobrough, Gilbert L.
- D'Angelo, Joseph B., Tiffin, Ohio. Nozzle. 2,470,293, May 17.
- Danhaus, Russell H., assignor to Electric Wheel Company, Quincy, Ill. Gooseneck trailer. 2,481,005, Sept. 6.
- Danhier, Francois G., Schaerbeek, assignor to La Soudure Electrique Autogene Societe Anonyme, Brussels, Belgium. Gas-electric cutting or welding torch. 2,475,594, July 12.
- Daniel, Arthur F., Fair Haven, N. J., assignor to the United States of America as represented by the Secretary of War. Alkaline primary cell. 2,480,839, Sept. 6.
- Daniel, Daniel J., Fort Smith, Ark. Line slack eliminator for reels. 2,487,316, Nov. 8.
- Daniel, Ferdinand: *See*—
 Warshyk, Edward A. J., and Daniel.
- Daniel, Frederick K., Kew Gardens, assignor, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Removal or replacement of electrolytes in physiologically active materials. 2,461,505, Feb. 15.
- Daniel, Frederick K., Kew Gardens, assignor to Sun Chemical Corporation, New York, N. Y. Regeneration of ion exchange material. 2,461,506, Feb. 15.
- Daniel, Nathan I., Long Branch, N. Y. Vibrato system for amplifiers. 2,466,306, Apr. 5.
- Daniels, Ralph: *See*—
 Levy, Harold, and Daniels.
- Daniel, Robert L., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Switching system. 2,470,292, May 17.
- Daniel, Walter, assignor to The Troy Sunshade Company, Troy, Ohio. Tractor umbrella. 2,474,516, June 28.
- Daniello, Hilbert B., Allentown, Pa. Tatting shuttle. 2,470,391, May 17.
- Daniels, Amy J., North Wilbraham, Mass. Transportable leg bath. 2,486,824, Nov. 1.
- Daniels, Cloyce R.: *See*—
 Morway, Arnold J., and Daniels.
- Daniels, Farrington, Madison, Wis., assignor to the United States of America as represented by the Secretary of War. Elimination of fissures with carbon dioxide. 2,479,727, Aug. 23.
- Daniels, Frederick A., Wilmington, Del., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gun sight. 2,462,307, Feb. 22.
- Daniels, Howard L., Mount Rainier, Md. Electromagnetic oscillograph. 2,466,691, Apr. 12.
- Daniels, Howard L., Mount Rainier, Md. Stabilized high gain amplifier. 2,489,272, Nov. 29.
- Daniels, Richard W., Long Beach, Calif. Electron discharge apparatus. 2,480,122, Aug. 30.
- Daniels, Rupert S., Union, and W. R. Callow, Jr., Bloomfield, N. J., assignors to Bakelite Corporation. Resin-oil compositions. 2,463,023, Mar. 1.
- Danielson, Arvid G., Minneapolis, Minn. Lawn trimmer. 2,480,002, Aug. 23.
- Danielson, Gideon R., Geneva, Ill. Edge finishing strip for plaster walls. 2,483,888, Oct. 4.
- Danielson, Paul F., Los Angeles, Calif. Sink strainer. 2,478,374, Aug. 9.
- Danielson, Paul F., Los Angeles, Calif. Reamer. 2,487,638, Nov. 8.
- Danielson, Ralph R.: *See*—
 Coffeen, William W., and Danielson.
- Danielsson, Borje K., Abrahamsberg, and L. A. Widing, assignors to Aktiebolaget Gotaverken, Goteborg, Sweden. Oil burner. 2,471,025, May 24.
- Danis, Joseph B., assignee: *See*—
 Cherney, Michael.
- Danisch, Marion S., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Selector system for magnetic wire reproducers. 2,481,398, Sept. 6.
- Danko, George J., Chevy Chase, Md. Adjustable center-board. 2,466,006, Apr. 5.
- Danks, Alfred C., Cleveland, Ohio. Butterfly valve. 2,488,380, Nov. 15.
- Dan River Mills, Incorporated, assignee: *See*—
 Gagarine, Dmitry M.
 Norton, Oscar J.
- Dann, Herbert C. P., assignee: *See*—
 Sommer, Carl.
- Dann, Morris, assignor to Wyeth Incorporated, Philadelphia, Pa. Punch for semisolid media. 2,463,455, Mar. 1.
- Dannenberg, Hans: *See*—
 Adelson, David E., and Dannenberg.
- Dannenberg, Kurt, Stoke-on-Trent, England. Combined thermal-magnetic circuit breaker. 2,473,196, June 14.
- Dannenberg, Milton A., Chicago, Ill. Cap. 2,462,258, Feb. 22.
- Danner, Edward, Newark, Ohio. Apparatus for forming glass tubing, rods and the like. 2,462,805, Feb. 22.
- Danner, Edward, Newark, Ohio. Glassware forming apparatus. 2,462,806, Feb. 22.
- Danner, Edward, Newark, Ohio. Apparatus for the manufacture of tubular glassware. 2,462,807, Feb. 22.
- Danner, Edward, Newark, Ohio. Manufacture of tubular glassware. 2,462,808, Feb. 22.
- Danner, Edward, Newark, Ohio. Manufacture of tubular glassware. 2,464,028, Mar. 8.
- Danner, Edward, Newark, Ohio. Glassware-forming apparatus. 2,474,302, June 28.
- Danner, Edward, Newark, Ohio. Manufacturing glassware. 2,486,737, Nov. 1.
- Danner, Eugene G., Brooklyn, N. Y. Aquarium heater. 2,477,363, July 26.
- Danner, Frank M., Mountain View, Calif. Electrical plug connection. 2,465,517, Mar. 29.
- Danovitch, Morris M., Norwood, assignor to Plymouth Rubber Company, Inc., Canton, Mass. Friction tape. 2,492,689, Dec. 27.
- Danskin, Kenneth A.: *See*—
 Glassmire, William F., Smith, Haskell, and Danskin.
- Danz, Harry O., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Separator or collector. 2,490,116, Dec. 6.
- Danziger, Albert, Bradley Beach, N. J. Ultra high frequency oscillator. 2,477,581, Aug. 2.
- Danziger, Harold I., West Orange, N. J. Automatic machine for electrical condensers. 2,476,707, July 19.
- Danzin, André, Paris, France, assignor to Societe Francaise Radio Electrique. Glasses having a low coefficient of expansion. 2,469,867, May 10.
- Danzin, André, and E. Despois, Paris, France, assignors to Societe Francaise Radio-Electrique. Glass of very rapid fusion and high point of transformation. 2,468,868, May 3.
- Daoust, Leo J., Milwaukee, Wis. Slide caliper. 2,465,791, Mar. 29.
- Dapco Products, Inc., assignee: *See*—
 Hadley, Harold F.
- Darabaris, Peter, East Paterson, N. J. Container filling device. 2,478,251, Aug. 9.
- Daras, Chris J., Rosebank, N. Y. Bobby pin. 2,490,856, Dec. 13.
- Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,461,631, Feb. 15.
- Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,473,138, June 14.
- Darash, Nicholas P., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Retaining ring. 2,476,586, July 19.
- Darby, Paul F.: *See*—
 Bradford, Colin I., and Darby.
 Catlin, John P., and Darby.
- Darby, Robert A., Eggertsville, N. Y., assignor to Curtiss-Wright Corporation. Differential balance for airfoils. 2,458,896, Jan. 11.
- D'Arcey, Alfred C., assignor to Bendix Aviation Corporation, Norwood, Mass. Hydraulic apparatus. 2,468,489, Apr. 26.
- Darco Corporation, assignee: *See*—
 Rinehart, Thomas M.
- Darden, Robert R., Jr.: *See*—
 Gross, Fritz A., and Darden, Jr.
- D'Ardenne, Walter H.: *See*—
 Green, Samuel G., D'Ardenne, Meinel, and Devore.
- D'Ardenne, Walter H., Jenkintown Manor, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Rocket launcher. 2,481,910, Sept. 13.

- Darimont, Léopold, Anderlecht-Brussels, Belgium. Composite screen for cinematographic and other projections. 2,484,334, Oct. 11.
- Darling, Frank L., Hollywood, assignor to A. P. Drayton, Los Angeles, Calif. Soldering iron. 2,475,376, July 5.
- Darling, Graeme, Cleveland, Ohio. Pallet. 2,479,728, Aug. 23.
- Darling, Robert B., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Manufacture of cellulose ethers. 2,492,524, Dec. 27.
- Darling, Samuel M.: *See*—
Hughes, Everett C., and Darling.
- Darlington, Sidney, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Computing circuit for determining bomb release course. 2,479,909, Aug. 23.
- Darlington, Sidney, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage multiplying circuit. 2,473,414, June 14.
- Darlington, Sidney, New York, N. Y., and C. A. Lovell, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tracking device. 2,468,179, Apr. 26.
- Darmara, Falih N., Utica, assignor to Utica Drop Forge & Tool Corporation, Whitestown, N. Y. Inductively heating pliers. 2,462,072, Feb. 22.
- Darnall, James C., Jr., Hyattsville, Md. Bomb container and releasing mechanism. 2,481,501, Sept. 13.
- Darr, John E., Jr., Arlington, Va., and W. U. Matson, Takoma Park, Md., assignors to the United States of America as represented by the Secretary of War. Mortar sight. 2,478,898, Aug. 16.
- Darragh, John L., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Manufacture of halogenated aromatic compounds. 2,473,990, June 21.
- Darrah, William C., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Method of flaw detection. 2,470,341, May 17.
- Darrow, Benjamin H., Columbus, Ohio. Geographical globe. 2,466,581, Apr. 5.
- Dar-Syn Laboratories Inc., assignee: *See*—
Grier, Nathaniel, and Casabore.
- Dart, Jack C., C. S. Kuhn, Jr., and J. E. Penick, Dallas, Tex., and U. H. Wagner, Woodbury, N. J., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of primary alkylation products in HF alkylation. 2,467,731, Apr. 19.
- Dart, Jack C., and L. B. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon synthesis process. 2,489,451, Nov. 29.
- Dart, Rodger W., Essondale, British Columbia, and S. Jenkins, Vancouver, British Columbia, Canada, assignors to International Mutoscope Corporation, Long Island City, N. Y. Automatic photographing and developing apparatus. 2,473,280, June 14.
- Dart, Sidney L.: *See*—
Peterson, Leroy E., and Dart.
- Darula, Joseph, Jr., Kenosha, Wis. Bowling ball. 2,472,406, June 7.
- Darworth, Inc., assignee: *See*—
Brauner, Oscar C.
- Dash, Edward, Long Beach, Calif. Arc welding of studs. 2,491,479, Dec. 20.
- Dasher, Charles H., Upper Montclair, N. J. Thread storage reel. 2,475,483, July 5.
- Dasher, Don E., assignor to Bendix Aviation Corporation, Detroit, Mich. Porous metallic structure and making same. 2,464,437, Mar. 15.
- Dasher, Glenn E., Miami, Fla. Wire connector. 2,489,013, Nov. 22.
- Dasher, John, Galveston, Tex., and J. E. Norman, Malvern, Ark. Conditioning minerals for film concentration. 2,471,414, May 31.
- Dasher, Paul J., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient mounting for fluid containers. 2,458,571, Jan. 11.
- Dasher, Paul J., Willoughby, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reclaiming vulcanized copolymers of butadiene and acrylonitrile. 2,465,205, Mar. 22.
- Da Silva, Manuel A., Newark, N. J. Lifesaver. 2,483,488, Oct. 4.
- D'Assis-Fonseca, Evelyn C. M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Ammunition-belt feed mechanism for automatic firearms. 2,481,726, Sept. 13.
- D'Assis-Fonseca, Evelyn C. M., and J. Wotton, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Supply of ammunition to freely rotatable gun turrets. 2,483,334, Sept. 27.
- D'Assis-Fonseca, Harold M.: *See*—
McWhirter, Eric M. S., d'Assis-Fonseca, and Ward.
- Dath, George E.: *See*—
Dentler, Arnold E., and Dath.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft appliances. 2,457,979, Jan. 4.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Ratchet and pawl mechanism for hand brakes. 2,462,167, Feb. 22.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking center pin for railway cars. 2,466,932, Apr. 12.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for draft riggings. 2,469,549, May 10.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,471,061, May 24.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,471,481, May 31.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Stop for the operating bar of door fasteners. 2,472,146, June 7.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Snubbing means. 2,473,678, June 21.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking means for rotary operating bars of door fasteners. 2,473,679, June 21.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking center pin for railway cars. 2,475,660, July 12.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking center pin for railway cars. 2,475,661, July 12.
- Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,479,672, Aug. 23.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,481,006, Sept. 6.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorbing mechanism. 2,481,574, Sept. 13.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,481,575, Sept. 13.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking means for lever operated rotary actuating bars of door fasteners. 2,484,078, Oct. 11.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Snubbing means. 2,484,883, Oct. 13.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,486,556, Nov. 1.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,488,005, Nov. 15.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Operating lever means for rotary-bars. 2,489,402, Nov. 29.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,489,403, Nov. 29.
- Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,492,525, Dec. 27.
- Datlow, Joseph, New York, N. Y. Nitrating cellulose lace-backing fabrics. 2,461,632, Feb. 15.
- Dauben, Hyp J., Jr.: *See*—
Bartlett, Paul D., Dauben, Jr., and Rosen.
- Daubenspeck, Henry C., assignee: *See*—
Winder, Samuel E.
- Daudt, William H.: *See*—
Hyde, James F., and Daudt.
- Daudt, William H., assignor to Corning Glass Works, Corning, N. Y. Organosilicon compositions and making them. 2,468,869, May 3.
- Dauenhauer, Florian F., Santa Rosa, Calif. Petal saver and hop cleaner. 2,475,823, July 12.
- Daugherty, George W., Orlando, Fla. Spraying machine. 2,475,449, July 5.
- Daugherty, George W., Orlando, Fla. Spraying and dusting machine. 2,476,960, July 26.
- Daugherty, William J., Cleveland, Ohio. Movable filter type suction cleaner. 2,484,491, Oct. 11.
- Daughton, Edward J., Elmwood Park, Ill. Miniature railroad rail. 2,462,073, Feb. 22.
- Daum, John L.: *See*—
McCloud, Robert A., Daum, and Bacon.
- Daum, John L., Oakland, R. A. McCloud, and T. P. Bacon, San Leandro, Calif. Apparatus for heating tires. 2,474,517, June 28.
- Dausch, Edward T., Sparks, Nev. Screw gripping screw driver. 2,490,211, Dec. 6.
- Dauster, John F., Wilkinsburg, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Breathing apparatus. 2,492,272, Dec. 27.
- Dautel, Ellen L., heir: *See*—
Chaulk, John A., and Dautel.
- Dava Corporation, assignee: *See*—
Thelander, W. Vincent.
- Dayan, Maurice S., New York, N. Y. Diaper. 2,483,756, Oct. 4.
- D'Avaucourt, Pierre de Vitry, Bainbridge, Pa., assignor of fifty per cent to William Boston Bailey, Huntington, W. Va. Grinding and polishing machine. 2,470,021, May 10.
- Daven Company, assignee: *See*—
Smith, John P., Jr.
- Daven Company, The, assignee: *See*—
Doucette, Edmund,
Doucette, Edmund J.
Smith, John P., Jr.

- Davenport, Charles C.: *See*—
Whiteman, Irvin, and Davenport.
- Davenport, Charles C., Media, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing apparatus. 2,490,784, Dec. 13.
- Davenport, Gertrude, New York, N. Y. Garment structure. 2,458,062, Jan. 4.
- Davenport, John B., and G. Gilbert, New York, N. Y. Camera diaphragm adjusting mechanism. 2,464,559, Mar. 15.
- Davenport, John F., Birmingham, Ala. Waste disposal device. 2,489,562, Nov. 29.
- Davenport, May B., Mobile, Ala. Ornamental cover for hearing aid earphones. 2,477,046, July 26.
- Davey, Edward L.: *See*—
Beaver, Charles J., and Davey.
- Davey, Joseph: *See*—
Tapp, Ernest T. J., and Davey.
- Davey, Paul H., Kent, Ohio. Cooler and supercharger for compressors. 2,464,560, Mar. 15.
- David, Herbert J., Rockaway Beach, and M. Zausner, Brooklyn, N. Y. Folding cart. 2,472,407, June 7.
- David, Hugh H., Schenectady, N. Y., assignor to General Electric Company. Delay timer. 2,483,126, Sept. 27.
- Davidson, Abraham: *See*—
Davidson, Joe and A., and d'Albis.
- Davidson, Allen R., assignor to Reliable Radio Inc., Erie, Pa. Control device. 2,490,679, Dec. 6.
- Davidson, Bruce J., Manhasset, assignor to National Biscuit Company, New York, N. Y. Display box easel cover. 2,479,910, Aug. 23.
- Davidson, Charles S.: *See*—
Watts, William S., and Davidson.
- Davidson, Emma T.: *See*—
Davis, Vesta K., and Davidson.
- Davidson, Glenn, Aurora, Ill. Process for simultaneously recovering protein and hemicellulose from oil seed residue meal. 2,464,075, Mar. 8.
- Davidson, Glenn, Aurora, Ill. Obtaining protein from oil seed residues. 2,479,040, Aug. 16.
- Davidson, Hobart O., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Filtration. 2,469,293, May 8.
- Davidson, Howard M., Detroit, Mich., assignor to Carey-McFall Company, Philadelphia, Pa. Door check. 2,476,182, July 12.
- Davidson, Joe and A., Brooklyn, and R. d'Albis, Woodstock, N. Y. Garment shoulder construction. 2,490,857, Dec. 13.
- Davidson, John H., United States Navy, South Haven, assignor to The Dow Chemical Company, Midland, Mich. Preventing arsenical injury to plants. 2,469,330, May 3.
- Davidson, John T., and J. H. Kroemer, assignors to The Standard Register Company, Dayton, Ohio. Autographic register. 2,457,807, Jan. 4.
- Davidson, Leonard D., Chicago, Ill. Tie form. 2,467,931, Apr. 19.
- Davidson Manufacturing Corporation, assignee: *See*—
Davidson, William W.
- Davidson, Norman R.: *See*—
Fried, Sherman M., and Davidson.
- Davidson, Ralph D.: *See*—
Jackson, Joe D., and Davidson.
- Davidson, Roy H., assignor to B. Cohn, Chicago, Ill., and himself. Yarn protector. 2,461,724, Feb. 15.
- Davidson Rubber Company, assignee: *See*—
Hardesty, Ralph F.
- Davidson, Samuel H., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Explosive cartridge for plaster shooting. 2,487,317, Nov. 8.
- Davidson, Trevor O.: *See*—
Reischl, Karl E., Mork, and Davidson.
- Davidson, Trevor O., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Self-aligning conical roller. 2,460,810, Feb. 8.
- Davidson, Trevor O., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Pneumatic tire. 2,463,522, Mar. 8.
- Davidson, Trevor O., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Apron for wheeled scrapers. 2,463,523, Mar. 8.
- Davidson, Walter L.: *See*—
Hiller, Robert W., and Davidson.
- Davidson, William L., and H. W. Lewis, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Mounting for fluid containers. 2,458,570, Jan. 11.
- Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Corporation. Collator. 2,479,060, Aug. 16.
- Davidson, William W., Evanston, Ill., assignor to Davidson Manufacturing Corporation. Printing plate. 2,491,090, Dec. 13.
- Davie, Robert B.: *See*—
Lark, Gordon T. K., and Davie.
- Davie, Robert P., Jr., Manhattan Beach, assignor to North American Aviation, Inc., Inglewood, Calif. Extruded shape. 2,458,686, Jan. 11.
- Davies, Caleb, Jr., Ben Avon, and R. York, Jr., assignors to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Heating of granular materials. 2,462,366, Feb. 22.
- Davies, Charles: *See*—
Redler, Philip, Davies, and Unger.
- Davies, David R., Sale, England, assignor, by mesne assignments, to General Electric Company. Air blast electric circuit breaker. 2,486,127, Oct. 25.
- Davies, Elwyn P., Alameda, and F. T. Eggertsen, Oakland, assignors to Shell Development Company, San Francisco, Calif. Preparing pelleted iron-oxide type catalysts. 2,460,811, Feb. 8.
- Davies, Elwyn P., Alameda, and F. T. Eggertsen, Oakland, assignors to Shell Development Company, San Francisco, Calif. Dehydrogenation process. 2,461,147, Feb. 8.
- Davies, Frank P., and M. Y. Nicole, San Francisco, Calif.; said F. P. Davies, deceased, assignor, by decree of distribution and assignment, to said M. Y. Nicole. Gothic arch-tracing device. 2,481,203, Sept. 6.
- Davies, Henry R., assignor to The Budd Company, Philadelphia, Pa. Center of gravity and weight indicator. 2,470,069, May 10.
- Davies, Henry R., assignor to The Budd Company, Philadelphia, Pa. Weld control system. 2,472,041, May 31.
- Davies, Herbert, assignor to Martins-Birmingham Limited, Birmingham, England. Fastening for handbags. 2,489,622, Nov. 29.
- Davies, Herbert V., Putney, London, England. Continuous envelope assemblies. 2,464,490, Mar. 15.
- Davies, James M., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Internal-combustion engine oil cooling means. 2,474,518, June 28.
- Davies, James M., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Seal. 2,480,908, Sept. 6.
- Davies, Leonard J., and H. K. Bourne, Rugby, England, assignors to General Electric Company. Electric lamp signaling apparatus. 2,477,966, Aug. 2.
- Davies, Lynn E., Park Ridge, assignor to White Cap Company, Chicago, Ill. Rotary marking means for containers. 2,471,098, May 24.
- Davies, Richard S., assignor to The Budd Company, Philadelphia, Pa. Percentage power control apparatus. 2,472,042, May 31.
- Davies, Robert I., assignee: *See*—
Boyd, George T., and H. T.
- Davies, Stanley B., assignor to Royer Foundry & Machine Company, Kingston, Pa. Apparatus for treating molder's sand. 2,488,381, Nov. 15.
- Davies, Trevor L., Clarendon Hills, assignor to F. L. Regnery Corp., Chicago, Ill. Spindle adapter and bobbin. 2,485,959, Oct. 25.
- Davies, Walter R., Shakopee, assignor to Northrup, King & Co., Minneapolis, Minn. Corn husking machine. 2,464,438, Mar. 15.
- Davies, Weyburn J., Pond Creek, Okla. Wrecking tool. 2,473,866, June 21.
- Davignon, Ermand H., assignor to Metals & Controls Corporation, Attleboro, Mass. Composite metal. 2,474,038, June 21.
- Davignon, Ermand H., assignor to Metals & Controls Corporation, Attleboro, Mass. Forming composite metal having a nickelplated beryllium-copper base and gold or silver bonded thereto by a copper-plated iron sheet. 2,474,039, June 21.
- Davila, Manuel, New Orleans, La. Centrifugal pump. 2,475,082, July 5.
- Davis, Adolph H.: *See*—
Hartley, Albert L., and Davis.
- Davis, Adolph H., Norwood, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio. Adapter for boring bars. 2,459,416, Jan. 18.
- Davis, Adolph H., Norwood, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio. Adjustable boring bar. 2,490,117, Dec. 6.
- Davis, Alan C., assignee: *See*—
Rose, Martin J.
- Davis, Albert E., New York, N. Y. Window screen. 2,484,984, Oct. 18.
- Davis, Alfred U., Baltimore, Md. Blasting machine. 2,458,687, Jan. 11.
- Davis, Alto J., Montgomery, Ala. Piston-expanding machine. 2,488,176, Nov. 15.
- Davis, Alva M., Monterey, Calif. Refrigerator truck. 2,464,923, Mar. 22.
- Davis, Archibald H., Washington, D. C. Composite textile strand and fabric. 2,475,083, July 5.
- Davis, Archibald H., Jr., Cleveland, Ohio, assignor to American Machine and Metals, Inc., East Moline, Ill. Fluid level indicator. 2,457,874, Jan. 4.
- Davis, Arnold R.: *See*—
Barthel, Justus C., Davis, and Poor.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Reducing cut-growth rate of rubberlike butadiene-styrene copolymer. 2,473,016, June 14.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Compositions containing benzothiazyl disulfide diarylguanidine. 2,475,583, July 12.
- Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Accelerator of vulcanization. 2,489,704, Nov. 29.
- Davis, Arthur P.: *See*—
McCarthy, Thomas O., and Davis.

- Davis, Arthur P., New York, assignor to Arma Corporation, Brooklyn, N. Y. Transmitter for repeater systems. 2,466,763, Apr. 12.
- Davis, Beatrice, assignee: *See*—
Davis, Joseph W.
- Davis, Carl, San Pablo, Calif. Mechanism for raising and lowering trailer bodies relative to the wheels. 2,480,909, Sept. 6.
- Davis, Carl F., Jr., Knoxville, Tenn. Distance indicator. 2,470,807, May 24.
- Davis, Carl K.: *See*—
Gruenberg, Ivor J., and Davis.
- Davis, Carl K., Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Sprag. 2,486,262, Oct. 25.
- Davis, Carl S.: *See*—
Digman, John E., and Davis.
- Davis, Charles H., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Welding cupronickel alloys. 2,458,688, Jan. 11.
- Davis, Charles J., L. R. Westholt, and J. I. Michaels, Wichita, Kans. Sweep rake and stacker. 2,466,878, Apr. 12.
- Davis, Charles S., Pittsburgh, Pa. Valve operating mechanism. 2,461,313, Feb. 8.
- Davis, Charles T., Stockdale, Tex. Peanut harvesting device. 2,466,084, Apr. 5.
- Davis, Claude L., assignor of one-half to R. B. Davis, Orange County, N. C. Device for cleaning rakes. 2,480,910, Sept. 6.
- Davis, Daniel E., Dallas, Tex., assignor of fifty-eight per cent to M. D. Miller. Latch mechanism. 2,489,957, Nov. 29.
- Davis, Daniel W., Beaumont, Tex. Cigarette package protector with sliding closure. 2,489,452, Nov. 29.
- Davis, David E., Walters, Okla. Metal protector for horse collars. 2,466,213, Apr. 5.
- Davis, David E., assignor to Vickers-Armstrongs Limited, London, England. Free piston gas generator. 2,478,375, Aug. 9.
- Davis, David M., assignee: *See*—
Herriott, Irving.
- Davis, Delos A., Detroit, Mich. Anticut nonstrip-out handle. 2,462,168, Feb. 22.
- Davis, Dorsey T., Roanoke, Va. Slingshot magazine. 2,483,039, Sept. 27.
- Davis, Douglas P., Burbank, Calif. Pumping mechanism. 2,471,939, May 31.
- Davis, Earl F.: *See*—
Erickson, Vernon T., and Davis.
- Davis, Earle R., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Stabilizing network for carbon pile voltage regulators. 2,464,439, Mar. 15.
- Davis, Edgar G., Detroit, Mich. Sash ventilator. 2,470,433, May 17.
- Davis, Edward P., and H. Heltzer, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Carbon powder method of making glass beads. 2,460,977, Feb. 8.
- Davis, Elmer M., St. Paul, Minn., assignor to Swift & Company, Chicago, Ill. Defeathering poultry. 2,469,953, May 10.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Sleeve press. 2,479,729, Aug. 23.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Sleeve press. 2,481,399, Sept. 6.
- Davis, Ernest, and E. A. Winnewisser, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Single lay shirt press. 2,483,812, Oct. 4.
- Davis, Ernest W., River Forest, Ill. Lubricant compressor having means to prevent retrograde movement of the piston thereof. 2,477,726, Aug. 2.
- Davis, Eugene W., Meredosia, Ill. Fish scoring machine. 2,471,062, May 24.
- Davis, Evan A., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Argentiferous-copper turbogenerator rotor winding. 2,474,891, July 5.
- Davis, Flavius E., III: *See*—
Berry, Lathrop F., and Davis, III.
- Davis, Frank L., Birmingham, England. Stair carpet holder. 2,483,813, Oct. 4.
- Davis, Frank M., assignor to Collins Radio Company, Cedar Rapids, Iowa. Channelized high-frequency signal receiving systems. 2,487,857, Nov. 15.
- Davis & Furber Machine Company, assignee: *See*—
Howes, Irving C.
Koolstra, John A.
- Davis, Garland H. B., Elizabeth, N. J., assignor to Standard Oil Development Company. Oxidized polyisobutylene. 2,461,966, Feb. 15.
- Davis, George A., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation. Coke oven battery with built-in gas ports. 2,488,175, Nov. 15.
- Davis, Glenn G., Schenectady, N. Y., assignor to General Electric Company. Seal for fluid pressure motor vanes. 2,466,389, Apr. 5.
- Davis, Glenn G., Schenectady, N. Y., assignor to General Electric Company. Hydraulic control mechanism. 2,475,313, July 5.
- Davis, Harold B.: *See*—
Kelley, Eugene B., and Davis.
- Davis, Harold G.: *See*—
Davis, Preston and H. G.
Shumaker, Lawrence E., and Davis.
- Davis, Harold S.: *See*—
Carpenter, Erwin L., and Davis.
- Davis, Harold S., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Acetoxy-aliphatic amides. 2,459,686, Jan. 18.
- Davis, Harry E., Akron, Ohio. Cellophane stick and making it. 2,488,272, Nov. 15.
- Davis, Herman E.: *See*—
Thriff, Fred, and Davis.
- Davis, Homer C., Kalamazoo, Mich. Fastener for window screens, storm windows, and the like. 2,490,018, Dec. 6.
- Davis, Hyman R., Jackson Heights, assignor to The Lummus Company, New York, N. Y. Solvent extraction process and apparatus. 2,468,044, Apr. 26.
- Davis, Hyman R., Jackson Heights, assignor to The Lummus Company, New York, N. Y. Heat exchange. 2,478,863, Aug. 9.
- Davis, Hyman R., Jackson Heights, assignor to The Lummus Company, New York, N. Y. Solvent extraction. 2,492,787, Dec. 27.
- Davis, Inez M., executrix: *See*—
Chadsey, George R.
- Davis, Ira D., Avery, Tex. Building board positioner. 2,465,206, Mar. 22.
- Davis, Ira D., Avery, Tex. Finger shield. 2,467,613, Apr. 19.
- Davis, James A., Highland Park, and I. Gul, Chicago, Ill., assignors, by mesne assignments, to said Davis, trustee. Automatic phonograph. 2,482,659, Sept. 20.
- Davis, James K., assignor to Corning Glass Works, Corning, N. Y. Preventing the blackening of glass by mercury vapor. 2,464,851, Mar. 22.
- Davis, Jessie A., Foundation, Inc., assignee: *See*—
Davis, John H.
- Davis, John E. Jr., U. S. Navy. Portable hot water heater unit. 2,479,558, Aug. 23.
- Davis, John G.: *See*—
Almquist, Herman J., and Davis.
- Davis, John H., assignor to Jessie A. Davis Foundation, Inc., Detroit, Mich. Air-pressure differential creating device. 2,464,797, Mar. 22.
- Davis, John H., assignor to Jessie A. Davis Foundation, Inc., Detroit, Mich. Pump. 2,483,335, Sept. 27.
- Davis, John V., assignor to Udyllite Corporation, Detroit, Mich. Apparatus for conveying and immersing articles. 2,479,322, Aug. 16.
- Davis, John V., assignor to The Udyllite Corporation, Detroit, Mich. Plating machine. 2,479,323, Aug. 16.
- Davis, John V., assignor to The Udyllite Corporation, Detroit, Mich. Immersion hammock. 2,481,400, Sept. 6.
- Davis, John V., assignor to The Udyllite Corporation, Detroit, Mich. Drive for rotary tables. 2,482,826, Sept. 20.
- Davis, John V., assignor to Udyllite Corporation, Detroit, Mich. Hydraulically operated plating machine. 2,484,079, Oct. 11.
- Davis, John V., assignor to The Udyllite Corporation, Detroit, Mich. Intermittent movement. 2,486,128, Oct. 25.
- Davis, John V., assignor to The Udyllite Corporation, Detroit, Mich. Conveying apparatus. 2,489,404, Nov. 29.
- Davis, Joseph, assignor to Joseph Davis Plastics Co., Arlington, N. J. Rolling toy. 2,473,574, June 21.
- Davis, Joseph, Plastics Co., assignee: *See*—
Davis, Joseph.
- Davis, Joseph W., assignor of one-half to B. Davis, Bloomington, Ill. Material unloading and conveying mechanism for trucks. 2,484,689, Oct. 11.
- Davis, Joseph W., Bloomington, Ill. Material unloading chute for trucks. 2,490,212, Dec. 6.
- Davis, Keith T., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Gas control means. 2,490,420, Dec. 6.
- Davis, Kingsbury H., Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency divider circuit. 2,477,047, July 26.
- Davis, Kingsbury H., Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency divider. 2,484,611, Oct. 11.
- Davis, Lee Y., Atlanta, Ga. Waterproof basement construction. 2,464,491, Mar. 15.
- Davis, Le Roy W., Shaker Heights, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Piston. 2,465,792, Mar. 29.
- Davis, Lewis and E. C. Tuukkanen, Worcester, assignors to McLaurin-Jones Co., Brookfield, Mass. Sealing and reinforcing tape. 2,462,037, Feb. 15.
- Davis, Lewis W., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of magnesium nitride. 2,488,054, Nov. 15.
- Davis, Lincoln K.: *See*—
Cummerow, Robert L., and Davis.
- Davis, Lincoln K., Brockton, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Rheostat. 2,472,369, June 7.
- Davis, Marion F.: *See*—
Toth, Emerick, and Davis.

- Davis, Maurice F., Syracuse, N. Y., assignor to General Electric Company. Vending machine. 2,470,474, May 17.
- Davis, Max W., assignee: *See*—
Lima, Henry C.
- Davis, Meyer, Chicago, Ill. Sweater blocker. 2,458,689, Jan. 11.
- Davis, Mont, Jr., and R. F., Martha, Tenn. Magic trick apparatus. 2,479,216, Aug. 16.
- Davis, Nelson L., H. N. Ekbon, Chicago, and L. O. Millard, La Grange, Ill., assignors to Link-Belt Company. Hydraulic classification of solids. 2,482,747, Sept. 27.
- Davis, Neville R., Bisham, assignor to Sun-Vic Controls Limited, London, England. Electrical temperature regulating apparatus. 2,481,401, Sept. 6.
- Davis, Oliver D., Bourbon, Ind., assignor to The Joyner Corporation, Chicago, Ill. Variable coupling device. 2,483,994, Oct. 4.
- Davis, Oscar N., Wichita, Kans. Spherical air compressor. 2,482,325, Sept. 20.
- Davis, Paul B.: *See*—
Noel, Edward B., and Davis.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt sulfate relative humidity indicators. 2,460,065, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt sulfate relative humidity indicators. 2,460,066, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Copper bromide relative humidity indicators. 2,460,067, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt bromide relative humidity indicators. 2,460,068, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt bromide relative humidity indicators. 2,460,069, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt phosphate relative humidity indicators. 2,460,070, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt chloride relative humidity indicators. 2,460,071, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Copper chloride relative humidity indicators. 2,460,072, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt iodide relative humidity indicators. 2,460,073, Jan. 25.
- Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt thiocyanate relative humidity indicators. 2,460,074, Jan. 25.
- Davis, Pearl A., Los Angeles, Calif. Ground engaging brake for filing cabinets or the like. 2,475,130, July 5.
- Davis, Preston, West Hollywood, Calif., and H. G. Davis, Denver, Colo. Clothesline supporting structure. 2,487,527, Nov. 8.
- Davis, Ralph L., Wallingford, Conn. Electromechanical drive system. 2,459,064, Jan. 11.
- Davis, Ralph N., assignee: *See*—
Burritt, Burnell O.
- Davis, Richard C., Great Neck, and R. H. Gumley, White-stone, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,476,844, July 19.
- Davis, Richard M., Oklahoma City, Okla., assignor to Standard Oil Development Company. Oscillographic recording apparatus. 2,474,303, June 28.
- Davis, Robert C., assignee: *See*—
Lolli, John and Papitto.
- Davis, Robert F., Falls Church, Va. Pressure cooker. 2,483,628, Oct. 4.
- Davis, Robert F., Falls Church, Va. Storage box. 2,483,629, Oct. 4.
- Davis, Robert F., Falls Church, Va., assignor to Well Surveys, Incorporated, Tulsa, Okla. Well logging null recorder. 2,488,491, Nov. 15.
- Davis, Robert F., West Palm Beach, Fla. Storage box. 2,460,681, Feb. 1.
- Davis, Robert L., and A. J. Plachecki, assignors to American Seating Company, Grand Rapids, Mich. Chair. 2,490,341, Dec. 6.
- Davis, Robert S., Ajo, Ariz., assignor to one-half to R. E. Edgington, Cleveland, Ohio. Combination crib and cradle with variable height mattress supporting frame. 2,486,466, Nov. 1.
- Davis, Roger B., assignee: *See*—
Davis, Claude L.
- Davis, Ruth F.: *See*—
Davis, Mont, Jr., and R. F.
- Davis, Sander A.: *See*—
McLean, Colin C., and Davis.
- Davis Specialties, Incorporated, assignee: *See*—
Freeman, David A.
- Davis, Thomas G.: *See*—
Seymour, George W., White, and Davis.
- Davis, Thomas McL., Washington, D. C. Electrical connecting fixture. 2,468,737, May 3.
- Davis, Thomas McL., Washington, D. C., and E. Toth, Takoma Park, Md. High-frequency tunable circuit. 2,491,480, Dec. 20.
- Davis, Vesta K., and E. T. Davidson, Winona, Minn. Coin slide. 2,461,314, Feb. 8.
- Davis, Vincent C., Piedmont, assignor to California Research Corporation, San Francisco, Calif. Preignition detection and control. 2,467,732, Apr. 19.
- Davis, Walter J., assignee: *See*—
Zimmerman, Charles F.
- Davis, Walter S.: *See*—
Clelland, Roy, Kelley, and Davis.
- Davis, Whitman W., Burbank, Calif. Pneumatic foot support. 2,488,382, Nov. 15.
- Davis, Zeb F., Candler, N. C. Fishing lure. 2,478,655, Aug. 9.
- Davison Chemical Corporation, The, assignee: *See*—
Albright, Joseph C.
Davis, Paul B.
Dunkak, Elmer B.
Elston, James W.
Weir, Horace M.
- Davison, John A.: *See*—
Wilson, Thomas L., and Davison.
- Davissou, Glen T., El Paso, Tex. Inhaler for treating sinus and hay fever and sealing a medicament therein. 2,462,169, Feb. 22.
- Davock, Alfred M., Birmingham, assignor to The Jam Handy Organization, Inc., Detroit, Mich. Film and slide projector mechanism having unitary cabinet means and screen. 2,485,709, Oct. 25.
- Davol Rubber Company, assignee: *See*—
Auzin, John M.
- Davy, Edward D., Delmar, assignor to Sterling Drug Inc., New York, N. Y. Salt substitute. 2,471,144, May 24.
- Dawes, Bailey P., Pacific Grove, Calif. Rotary engine. 2,463,155, Mar. 1.
- Dawes, Edwin C.: *See*—
Collidge, Albert E., Dawes, and Gilbert.
- Dawley, Henry A., Kansas City, Mo. Floating caliper gauge. 2,461,148, Feb. 8.
- Dawson, Clarence J., Detroit, Mich. Automatic window lock. 2,475,223, July 5.
- Dawson, Francis A., assignor to Kingston Products Corporation, Kokomo, Ind. Tuning and indicating mechanism. 2,458,690, Jan. 11.
- Dawson, Fred C., Canton, Mass. Moistening apparatus. 2,464,119, Mar. 8.
- Dawson, Jesse R., assignor to S. H. Camp & Company, Jackson, Mich. Adjustment strap for surgical garments and the like. 2,476,029, July 12.
- Dawson, John H., Rockville, Md. Roasting rack for wieners. 2,479,324, Aug. 16.
- Dawson, John J., Pasadena, and B. A. Farlatti, Los Angeles, Calif. Baseball game. 2,466,156, Apr. 5.
- Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding system. 2,472,095, June 7.
- Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding system. 2,473,575, June 21.
- Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,483,691, Oct. 4.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Method and apparatus for electric welding. 2,459,795, Jan. 25.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,459,796, Jan. 25.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Induction motor control system. 2,469,294, May 3.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,473,576, June 21.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Examining welded surfaces. 2,475,596, July 12.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,477,582, Aug. 2.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Geared follow-up system. 2,480,634, Aug. 30.
- Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Apparatus for electric welding. 2,480,635, Aug. 30.
- Dawson, John W., West Newton, and L. K. Marshall, Cambridge, assignors to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,478,527, Aug. 9.
- Dawson, Kenwood S., Southbury, assignor to Waterbury Corrugated Container Co., Waterbury, Conn. Die-cut insert for gun packing cases. 2,487,528, Nov. 8.
- Dawson, Lerton V.: *See*—
Schwartz, Edward S., and Dawson.
- Dawson, Milo J., Jackson, Wyo., and H. L. Epperly, Inglewood, Calif. Container for condiments. 2,482,327, Sept. 20.
- Dawson, Reginald D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Fluid for drilling wells. 2,476,845, July 19.
- Dawson, Reginald D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Reclamation of waste oil base drilling fluid. 2,476,846, July 19.

- Dawson, Robert C., Webster Springs, W. Va., assignor to J. R. Byrne, Phoenixville, Pa. Sliding vane pump. 2,463,360, Mar. 1.
- Day, Amina R., Los Angeles, Calif. Compartmented hat-box having fixed and removable radial partitions. 2,457,875, Jan. 4.
- Day, Bernard C., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Bevel gear holding mechanism. 2,463,156, Mar. 1.
- Day, Earl C., Gilmore City, Iowa. Brake setting mechanism. 2,492,466, Dec. 27.
- Day, Edward R., Dayton, Ohio. Watch band trimmer. 2,465,207, Mar. 22.
- Day, George A., Berlin, and E. F. Fenn, Gorham, N. H., assignors, by mesne assignments, to Brown Company, Portland, Maine. Producing chlorine dioxide. 2,484,402, Oct. 11.
- Day, Harland W., assignor to Goodall-Sanford, Inc., Sanford, Maine. Producing pile fabric with cut pile of an unique character. 2,479,478, Aug. 16.
- Day, Harold M.: See—
Jayne, David W., Jr., and Day.
Jayne, David W., Jr., Day, and Kropa.
Jayne, David W., Jr., Day, and Nolan.
- Day, Harold M., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of cationic water-insoluble phenol-formaldehyde condensation products containing omega-sulfonic acid radicals. 2,477,328, July 26.
- Day, Harold M., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Allyl ester of isopropylidene bis p-phenoxyacetic acid. 2,482,706, Sept. 20.
- Day, Henry B., Raleigh, N. C. Visual training signaling means. 2,476,708, July 19.
- Day, James R., Peconic, N. Y., assignor to Radio Corporation of America. Pulse multiplex receiver. 2,469,066, May 3.
- Day, James R., Peconic, N. Y., assignor to Radio Corporation of America. Pulse integrating circuits. 2,474,040, June 21.
- Day, Thelma M., Egmont, British Columbia, Canada. Clothesline tightener. 2,483,692, Oct. 4.
- Dayton Acme Company, assignee: See—
Canady, Don.
McClure, Stanley.
- Dayton Aircraft Products Sales, Inc., assignee: See—
Beetle, Walter K., Jr.
- Dayton, Carl S.: See—
Palmer, John H., and Dayton.
- Dayton, Herbert P., Baytown, and C. H. Kollenberg, Goose Creek, Tex., assignors to Standard Oil Development Company. Apparatus for heating fluids. 2,478,686, Aug. 9.
- Dayton, Jesse C., Newcomerstown, Ohio. Rail anchor. 2,491,362, Dec. 13.
- Dayton Pump and Mfg. Company, The, assignee: See—
Wolfe, H. Hix, and Haas.
- Dayton Rubber Company, The, assignee: See—
Bacon, Henry M.
Bacon, Henry M., and Rockoff.
Laues, Enrique L.
- D'Azzo, Errol P., New York, N. Y. Awning box. 2,487,639, Nov. 8.
- Deacon, Herbert G., Harrow, England. Machine tool guard. 2,491,035, Dec. 13.
- Deadwyler, Robert E., Seattle, Wash. Cigarette lighter. 2,481,982, Sept. 13.
- Deagan, Jack C., Chicago, Ill. Vehicle traction sander. 2,488,900, Nov. 22.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Tie line for automatic telephone exchanges. 2,465,359, Mar. 29.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Selector brush. 2,474,233, June 28.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication system. 2,484,080, Oct. 11.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone handset. 2,485,574, Oct. 25.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Phase and synchronism control system. 2,490,034, Dec. 6.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Mechanism for reciprocating brush carriages of selector switches or the like. 2,490,035, Dec. 6.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. System for establishing connection within a main exchange with one of a plurality of private branch exchanges. 2,490,036, Dec. 6.
- Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Potential matching electrical control system. 2,492,135, Dec. 27.
- Deakin, Gerald, New York, N. Y., and H. F. Herbig, Summit, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Biasing potential switching system. 2,462,074, Feb. 22.
- Deakin, Gerald, New York, N. Y., W. Hatton, South Orange, N. J., and L. A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone calling line identification system. 2,471,415, May 31.
- Deakin, Stanley T., Ewell West, assignor to British Mechanical Productions Limited, London, England. Contact element for plug-in sockets. 2,485,364, Oct. 18.
- Deal, Carl H., Jr.: See—
Shiras, Russell N., Nixon and Deal, Jr.
- Deal, Robert H., Albion, Mich. Heating element support unit for ovens and the like. 2,478,808, Aug. 9.
- Deal, Robert H., Albion, Mich. Heating element support unit for ovens and the like. 2,478,809, Aug. 9.
- Deal, Troy M., W. Baker, and H. S. Duttweiler, Cedar Rapids, Iowa, assignors to Link-Belt Speeder Corporation. Front end tractor implement. 2,478,747, Aug. 9.
- Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Railway car end. 2,468,590, Apr. 26.
- Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. End wall for railway cars. 2,468,591, Apr. 26.
- Dean, Ballard N., Renton, Wash. Animal snare. 2,474,933, July 5.
- Dean, Byron L., Pittsburgh, Pa. Wall painting machine. 2,483,814, Oct. 4.
- Dean, Cullen H., Flomaton, Ala. Bicycle shock absorber. 2,485,484, Oct. 18.
- Dean, David, and R. C. Houck, assignors to Eastman Kodak Company, Rochester, N. Y. Making a photographic mask of high isoelectric point gelatin. 2,487,858, Nov. 15.
- Dean, Fred: See—
Jones, David G., and Dean.
- Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Variable pitch cuff or fairing for blades. 2,478,252, Aug. 9.
- Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Aircraft propeller spinner anti-icing system. 2,485,234, Oct. 18.
- Dean, Homer V., Portland, Oreg. Folding cot. 2,468,253, Apr. 26.
- Dean, John N., Moretons, Westerham, and E. W. Smith, Bechcroft, Chislehurst, assignors to The Telegraph Construction and Maintenance Company Limited, London, England. Submarine cable. 2,465,069, Mar. 22.
- Dean, Maurice R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Azeotropic distillation of methyl acetylene from butadiene. 2,486,929, Nov. 1.
- Dean, Raymond M.: See—
Lieber, Eugene, Cashman, and Dean.
Lieber, Eugene, and Dean.
- Dean, Sidney W., Jr.: See—
Crockford, Joseph R.
- Dean, Walter B., Narberth, assignor to The Budd Company, Philadelphia, Pa. Railway vehicle truck mechanism. 2,464,760, Mar. 15.
- Dean, Walter B., Narberth, assignor to The Budd Company, Philadelphia, Pa. Diaphragm faceplate for railway cars. 2,465,323, Mar. 22.
- Dean, Walter B., Narberth, and L. F. Reynolds, assignors to The Budd Company, Philadelphia, Pa. Heating system for multiple-room vehicles. 2,483,995, Oct. 4.
- De Angelis, John A.: See—
Murdock, Frederick D., and De Angelis.
- Deanley Machine Company, assignee: See—
Stolove, Martin, and Hopkins.
- Deans, Frederick E., and C. H. Wainwright, assignors to The Bentley Engineering Company Limited, Leicester, England. Wrap stripping or patterning mechanism in knitting machines. 2,463,751, Mar. 8.
- Deans, Frederick E., and C. H. Wainwright, assignors to The Bentley Engineering Company Limited, Leicester, England. Circular knitting machine. 2,466,935, Apr. 12.
- Deans, William, Ridgewood, N. J., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Composite switching device. 2,471,200, May 24.
- De Anzorena, Eugenio, assignee: See—
De los Monteros, Antonio E.
- Dear, Alexander T. C., Hill Top, West Bromwich, assignor to Lewin Road Sweepers Limited, West Bromwich, England. Refuse collector. 2,469,033, May 3.
- Dear, Alexander T. C., assignor to Lewin Road Sweepers Limited, West Bromwich, England. Refuse collecting vehicle. 2,488,965, Nov. 22.
- Dear, Alexander T. C., assignor to Lewin Road Sweepers Limited, West Bromwich, England. Refuse collecting vehicle. 2,488,966, Nov. 22.
- Dearborn Chemical Company, assignee: See—
Gunderson, Lewis O.
- Dearborn, Frederick E., Washington, D. C. Production of nicotine-heavy metal silicates. 2,466,157, Apr. 5.
- Dearborn, Frederick E., Washington, D. C. Production of heavy metal nicotine silicates. 2,469,868, May 10.
- Dearborn, Frederick E., Washington, D. C. Production of water repellent heavy metal nicotine silicates. 2,469,869, May 10.
- Dearborn Stove Company, assignee: See—
Becker, Aloysius W.
- Deardorff, Neva R., New York, N. Y. Body-supported infant's chamber pot. 2,471,201, May 24.

- De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio. Microphone pickup and volume control. 2,486,263, Oct. 25.
- De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio. Violin microphone. 2,486,264, Oct. 25.
- De Armond, James K., Arlington, Va. Antenna for aircraft. 2,484,817, Oct. 18.
- Dearsley, George, Scarsdale, N. Y., assignor to Molins Machine Company Limited, London, England. Device feeding knives in rotary tobacco cutting machines. 2,484,403, Oct. 11.
- Deatherage, Fred E.: *See*—
Garnatz, George, Vollé, and Deatherage.
- Deaton, Charles U., Centralia, Ill. Actuating means for marionettes, puppets, and the like. 2,466,214, Apr. 5.
- Deaver, Elmer O., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Door operated phonographic apparatus. 2,485,575, Oct. 25.
- De Baufre, William L., Lincoln, Neb. Nonreturn valve for low temperature. 2,486,825, Nov. 1.
- De Baun, Lauren E., Hermiston, Oreg. Embalming instrument. 2,489,756, Nov. 29.
- Debenham, William S., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Brick lining for molten metal containers and making the same. 2,480,359, Aug. 30.
- De Benneville, Peter L., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Manufacture of zinc nicotinyil fluosilicate. 2,490,706, Dec. 6.
- De Boer, Floris, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Treating selenium. 2,462,949, Mar. 1.
- De Boer, Herman O., Lombard, Ill. Floor roller construction. 2,468,925, May 3.
- De Boer, Jan H., London, and J. van Ormondt, Northwood, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Removing carbon monoxide from air and gas mask canister therefor. 2,478,166, Aug. 2.
- De Boer, Johannes, Rotterdam, assignor to Commercelele Bank N. V., The Hague, Netherlands. Heat treatment of liquid foodstuffs. 2,478,748, Aug. 9.
- De Boer, Kornelis, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for stereophonic sound transmission in two channels. 2,481,576, Sept. 13.
- De Boer, Kornelis and R. Vermeulen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for adjusting the stereophonic effect in devices for stereophonic transmission. 2,481,911, Sept. 13.
- De Boer, Kornelis, and R. Vermeulen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stereophonic receiving system. 2,491,918, Dec. 20.
- De Boisblanc, Deslonde R., and J. E. Bondurant, Bartlesville, Okla., assignors to Phillips Petroleum Company. Seismograph blaster time breaker circuit. 2,470,846, May 24.
- De Boisblanc, Felix J., New Orleans, La. Boat construction. 2,483,531, Oct. 4.
- Debonair, Inc. assignee: *See*—
Renz, Emil K.
- De Braünder, Camiel, Newport, assignor to American Viscose Corporation, Wilmington, Del. Inspection system. 2,461,592, Feb. 15.
- Debrey, Michael, East Moline, Ill. Alternating current relay. 2,484,934, Oct. 18.
- Debrey, Michael, East Moline, Ill. Centrifugal liquid cleaner. 2,491,801, Dec. 20.
- Debrey, Michael, East Moline, Ill. Voltage regulator system. 2,491,802, Dec. 20.
- Debrie, André V. L. C., Paris, France. Apparatus for the photographic reproduction of documents. 2,458,769, Jan. 11.
- Debrie, André V. L. C., Paris, France. Developing spool for films. 2,461,039, Feb. 8.
- Debrie, André V. L. C., Paris, France. Magazine box for cinematographic films. 2,464,673, Mar. 15.
- Debror, Jean J., Jr., Newburgh, N. Y. Matrix pliers. 2,467,969, Apr. 19.
- De Bruin, Sake L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Detonation meter for combustion motors. 2,475,377, July 5.
- De Bruyne, Philip, C., assignor to Moline Malleable Iron Co., St. Charles, Ill. Flight connection for chains. 2,467,193, Apr. 12.
- Debs, Jerome H., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Tin coated baking pan with painted exterior surfaces. 2,462,728, Feb. 22.
- De Capite, Dominic A., Monterey Park, Calif. Wallpaper cutter. 2,475,882, July 12.
- DeCarle, Felix O., Los Angeles, Calif. Inclinator. 2,479,818, Aug. 23.
- De Carlo, Caesar, assignor to R. De Carlo, Hato Rey, P. R. Hurricane-proof window. 2,487,108, Nov. 8.
- De Carlo, Raquel, assignee: *See*—
De Carlo, Caesar.
- Decatur Pump Company, assignee: *See*—
Burks, Arthur W.
- Decca Record Company, Limited, The, assignee: *See*—
Huntley, Walter P.
O'Brien, William J.
- Decepoli, Carmine, Belleville, assignor of one-half to J. D. Cacciarelli, Nutley, N. J. Shuffleboard lubricant. 2,486,826, Nov. 1.
- Decepoli, Carmine, Belleville, N. J. Shuffleboard lubricant. 2,487,640, Nov. 8.
- De Champlain, Joseph A.: *See*—
Lepage, Lucien, and De Champlain.
- DeChant, Alois C., and F. C. Jachetta, Denver, Colo. Curb signal switch. 2,487,922, Nov. 15.
- De Cicco, Joseph A., Callicoon, N. Y. Knife sharpener. 2,470,022, May 10.
- Deck, Earl L., Youngstown, Ohio. Manipulating member for socket wrenches. 2,462,729, Feb. 22.
- Decker, Earl J., Detroit, Mich. Filter. 2,463,954, Mar. 8.
- Decker, Ferdinand A., Jr., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Winding machine. 2,461,593, Feb. 15.
- Decker, Gerald E., Paonia, Colo. Earth moving machine. 2,478,462, Aug. 9.
- Decker, George A., Fenton, assignor to Link Aviation, Inc., Binghamton, N. Y. Radio navigation training device. 2,485,262, Oct. 18.
- Decker, Jacob: *See*—
Kearns, Bernard A., and Decker.
- Decker, James L., Los Angeles, Calif. Horseshoe game target. 2,468,428, Apr. 26.
- Decker, John R., Amherst, Mass. Illuminated reticle attachment for telescopes. 2,472,809, June 14.
- Decker, Josef B., Elkton, Md., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Aerial signal. 2,459,687, Jan. 18.
- Decker, Joseph H. and M. E., Long Beach, Calif. Carrousel. 2,469,498, May 10.
- Decker, Mary E.: *See*—
Decker, Joseph H. and M. E.
- Decker, Nicholas, Jersey City, N. J. Lamp socket for tubular lamps having contact pins at their ends. 2,467,256, Apr. 12.
- Decker, Ted S., Chicago, Ill., assignor to Society Brand Clothes, Inc. Men's trousers. 2,458,353, Jan. 4.
- Decker, William E., Melrose Highlands, Mass., assignor, by mesne assignments, to Technical Specialties Company. White writing ink. 2,460,925, Feb. 8.
- De Craene, Edmond P., Westchester, assignor to Crane Co., Chicago, Ill. Adjustable stop for gate valves. 2,462,809, Feb. 22.
- De Cuir, Louis N., Sr., and A. J. Dugas, New Iberia, La. Portable exhaust fan. 2,463,752, Mar. 8.
- Deddo, Leonard, Chicago, Ill. Demountable bench or stand. 2,490,858, Dec. 13.
- Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Motor brake. 2,481,402, Sept. 6.
- De Directie van de Staatsmijnen in Limburg, assignee: *See*—
Hoek, Theodorus J. J.
- De Directie van de Staatsmijnen in Limburg, handelend voor en namens de Staat der Nederlanden, assignee: *See*—
Hallie, Gerardus.
- De Domenico, Samuel, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making unitary articles from laminations. 2,479,325, Aug. 16.
- Deely, Carroll L., Dallas, Tex. Core barrel. 2,490,512, Dec. 6.
- Deems, Delmar L., Blandinsville, and M. H. Welsh, Sciota, Ill. Trip rope safety release. 2,482,538, Sept. 20.
- Deere & Company, assignee: *See*—
Andrews, Norman F., and Dort.
Bauer, Carl F., and Wangelin and Scott.
Beckstrom, Carl V.
Bozeman, Virgil F., and Clausen.
Bozeman, Virgil F., Sr., Walz, Griff, and Clausen.
Brown, Theophilus.
Brown, Theophilus, and Ickes.
Clausen, Howard F.
Colvin, Nolan D.
Cultas, Wilbur J.
Court, Frank T.
Hanson, Fredrick C.
Hudson, William W.
Johnson, Ellsworth T.
Johnson, Theodore W.
Korum, Henry E.
Oehler, Alvin W.
Oehler, Alvin W., Colvin, and Paradise.
Oehler, Alvin W., and Johnson.
Oerman, Orey W.
Parker, Charles T.
Paul, Talbert W.
Rinehart, Jeremiah E.
Silver, Walter H.

- Deere & Company, assignee: *See*—Continued
Silver, Walter H., and Cantral.
Strandlund, Carl G.
Stueland, Harold M.
Walz, Claude W.
Walz, Claude W., Griff, and Rasmussen.
White, Charles H., Oehler, and Youngberg.
Worstelt, Charles C.
- Deere, John, Lindeman Company, assignee: *See*—
Lindeman, Jesse G.
- Deere, John, Van Brunt Company, assignee: *See*—
Hyland, William A.
- Deere Manufacturing Co., assignee: *See*—
Du Shane, Wallace H.
Hill, George B.
Linderer, Francis.
McClellan, Marcus E.
Nordenson, Willard H.
Shore, Richard B.
Tuft, Miles H.
West, James R., Hill, and McClellan.
Worthington, Wayne H., and Jirsa.
- Deerfield, Fred W., Baltimore, Md. Washing tank for photographic films. 2,460,217, Jan. 25.
- Deeter, Everett L., Washington, D. C. Voltage control system. 2,473,512, June 21.
- De Felice, Michael P.: *See*—
Fox, John L., and De Felice.
- De Ferrari, Edmond, San Francisco, Calif. Exerciser and amusement device for infants. 2,461,682, Feb. 15.
- Deffenbaugh, John L., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor track. 2,481,727, Sept. 13.
- De fiance Machine Works, Inc., assignee: *See*—
Hall, Keith W.
Hummer, Ralph G.
Kinker, Clarence C.
- De Forest, Alfred V., Marlboro, N. H., assignor to The Baldwin Locomotive Works. Electric strain device with temperature compensator. 2,458,354, Jan. 4.
- De Forest, Lee, Los Angeles, Calif. Method of and apparatus for bunching electrons. 2,457,980, Jan. 4.
- De Forest, Lee, Los Angeles, Calif. Cathode beam tube. 2,457,981, Jan. 4.
- De Forest, Lee, Los Angeles, Calif. Frequency modulating device. 2,462,367, Feb. 22.
- De Forest, Lee, Los Angeles, Calif. High-voltage generator. 2,489,082, Nov. 22.
- De Forest, Taber, Chicago, Ill., assignor, by mesne assignments, to R. C. Switzer, South Euclid, Ohio, and J. L. Switzer. Method and composition for flaw detection. 2,461,494, Feb. 8.
- De Forest, Taber, Chicago, Ill., assignor, by mesne assignments, to J. L. and R. C. Switzer. Leak detection. 2,472,522, June 7.
- De Forest, Taber, Northbrook, Ill. Laminating. 2,468,656, Apr. 26.
- Defournieux, Ernest, Irvington, N. J. Cigarette dispenser. 2,464,966, Mar. 22.
- DeFrees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Spring loading means. 2,469,158, May 3.
- De Fremery, Frank, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Direction finding by means of rotating radio beacons. 2,485,365, Oct. 18.
- De Gelleke, Gerrit, Troy Hills, assignor of one-third to P. De Gelleke, Asbury, and one-third to C. Herzog, Belleville, N. J. Tubular electrical heating unit. 2,465,208, Mar. 22.
- De Gelleke, Peter, assignee: *See*—
De Gelleke, Gerrit.
- Degelman, Norbert V., Darlingford, Manitoba, Canada. Brush cutter. 2,489,014, Nov. 22.
- Degen, Nicklous, Mason City, Iowa. Sander drum and floor sanding abrasive sheet. 2,492,849, Dec. 27.
- De Generes, William E., Sunland, Calif. Staple remover. 2,481,647, Sept. 13.
- Deger, Thomas E.: *See*—
Olin, John F., and Deger.
- Degering, Edward F.: *See*—
Spence, John A., and Degering.
- Degering, Edward F., La Fayette, Ind., and G. van Biema, Jackson Heights, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind. Azo compounds from 1-di-n-butylamino-2-nitro-butane. 2,474,779, June 28.
- Degering, Edward F., La Fayette, Ind., and G. van Biema, Jackson Heights, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind. Azo compounds from 1-N-morpholino-2-nitro propane. 2,474,780, June 28.
- Degering, Edward F., West Lafayette, assignor to Purdue Research Foundation, Lafayette, Ind. Preparing enol acetates. 2,466,655, Apr. 5.
- De Ghetto, Anselm, Clifton, N. J., assignor to National Rubber Machinery Company, Akron, Ohio. Wire spreader and tensioner for circular looms and the like. 2,459,504, Jan. 18.
- De Ghetto, Anselm, Clifton, N. J., assignor to National Rubber Machinery Company, Akron, Ohio. Transfer molding press. 2,475,378, July 5.
- De Giacconi, Paul M. J. S.: *See*—
Rossignol, Charles A. F., and De Giacconi.
- De Gier, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron-ray tube. 2,464,076, Mar. 8.
- De Gier, Johannes, and J. A. M. Smelt, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube. 2,477,329, July 26.
- De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Weatherproof transmitter resistor device. 2,469,105, May 3.
- De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Electric liquid level indicating device. 2,484,690, Oct. 11.
- De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Radiometer. 2,463,681, Mar. 8.
- De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Liquid level measuring device with oscillator. 2,472,249, June 7.
- De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Electron tube type transmitter. 2,483,266, Sept. 27.
- De Giers, Clarence A., Forest Hills, and R. A. F. Sandberg, Queens Village, assignors to The Liquidometer Corporation, Long Island City, N. Y. Liquid level gauge with tilt correction. 2,486,930, Nov. 1.
- De Giers, Clarence A., Forest Hills, and R. A. F. Sandberg, Queens Village, assignors to The Liquidometer Corporation, Long Island City, N. Y. Galvanometer with float supported spindle. 2,492,273, Dec. 27.
- Degner, Charles F., assignor of one-half to H. M. Unschuld, Chicago, Ill. Deep well pump. 2,470,888, May 24.
- De Grace, Carl T., Redondo Beach, Calif. Electric trouble light. 2,491,552, Dec. 20.
- De Graff, Wilbur C., Chagin Falls, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,480,715, Aug. 30.
- De Grave, Marvin F., and J. Calladine, Salem, Ohio, assignors to Eljer Company, Ford City, Pa. Pop-up waste valve. 2,461,812, Feb. 15.
- De Groat, Charles T., Ballston Lake, N. Y., assignor to General Electric Company. Freezing trap for vacuum systems. 2,465,793, Mar. 29.
- De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver comprising automatic frequency control. 2,483,314, Sept. 27.
- De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver. 2,483,315, Sept. 27.
- De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver with automatic frequency control. 2,483,889, Oct. 4.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Quaternary ammonium compounds. 2,459,994, Jan. 25.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,468,180, Apr. 26.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,468,181, Apr. 26.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,470,808, May 24.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,472,573, June 7.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,472,574, June 7.
- De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Carbonic acid amides of certain substituted glyoxalidines. 2,473,577, June 21.
- De Gruchy, John N., Rickmansworth, assignor to Everett, Edgcombe and Company Limited, London, England. Rectifier bridge type wattmeter. 2,492,556, Dec. 27.
- Deguignes, Maurice, assignor to Télé-Industrie, Société Anonyme, Paris, France. Producing photographic subtractive colored pictures and such pictures with a sound record. 2,489,175, Nov. 22.
- De Haven, Hugh, New York, N. Y. Tensioning device for producing a linear pull. 2,483,088, Sept. 27.
- De Havilland Aircraft Company, The, assignee: *See*—
Halford, Frank B.

- De Havilland Aircraft Company Limited, The, assignee: *See—*
 Warde, Robert H.
- De Hay, William H.: *See—*
 Sebald, Joseph F., and De Hay.
- De Heras, Armand, and D. G. Bowden, assignors to Armand Manufacturing, Inc., Los Angeles, Calif. Steering wheel cover. 2,491,803, Dec. 20.
- Dehmel, Richard C., Summit, N. J. Aircraft training instrument for simulating attitude gyros. 2,458,982, Jan. 11.
- Dehmel, Richard C., Summit, N. J. Control apparatus. 2,460,877, Feb. 8.
- Dehmel, Richard C., Summit, N. J. Rough air simulating means for grounded aircraft trainers. 2,463,602, Mar. 8.
- Dehmel, Richard C., Summit, N. J. Training apparatus for simulating gyrocompasses. 2,463,603, Mar. 8.
- Dehmel, Richard C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft trainer for aerial gunners. 2,471,315, May 24.
- Dehmel, Richard C., Summit, N. J. Optical training apparatus. 2,474,096, June 21.
- Dehmel, Richard C., Summit, N. J. Chart holder. 2,474,097, June 21.
- Dehmel, Richard C., Summit, N. J. Navigation apparatus for aircraft and training devices. 2,475,314, July 5.
- Dehmel, Richard C., Summit, N. J. Aircraft navigating and training apparatus. 2,485,435, Oct. 18.
- Dehn, Joseph W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Secret telegraph system. 2,466,390, Apr. 5.
- Dehn, Joseph W., Great Neck, N. Y., and W. Whitney, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective message register system. 2,468,429, Apr. 26.
- Dehn, Joseph W., Great Neck, and W. H. T. Holden, Woodside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directory number calling line identifier. 2,484,612, Oct. 11.
- Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shear press. 2,473,942, June 21.
- Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shear press. 2,491,363, Dec. 13.
- Dehn, William A.: *See—*
 Armstrong, Adam E., and Dehn.
- Dehn, William F., Nutley, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for combining variable quantities. 2,481,648, Sept. 13.
- De Huff, George S.: *See—*
 Alvik, Harold, and De Huff.
- Dehydration, Inc., assignee: *See—*
 Birdseye, Clarence.
- Deibel, Cyril P., deceased, late of Lakewood, Ohio, by Marion T. Deibel, Lakewood, and The Cleveland Trust Company, Cleveland, Ohio, coexecutors, assignors to General Dry Batteries, Inc. Flat dry cell battery unit. 2,463,089, Mar. 1.
- Deibel, Marion T., coexecutor: *See—*
 Deibel, Cyril P.
- Deibert, William L., assignor to Carey-McFall Company, Philadelphia, Pa. Cutting tool. 2,480,226, Aug. 30.
- Deichert, Hans C.: *See—*
 Morse, Clarence W., and Deichert.
- Deichert, Henry S., Fort Worth, Tex. Bottle carrier. 2,487,109, Nov. 8.
- Deichmann, Otto A., San Francisco, Calif. Producing building panels. 2,457,982, Jan. 4.
- Deichmann, Walter: *See—*
 Gilbert, Herman W., and Deichmann.
- Deimel, Albert H.: *See—*
 Peterson, Carl D., and Deimel.
- Peterson, Carl D., Deimel, and Zingsheim.
- Deimler, Ralph W., Topeka, Kans. Fishhook. 2,492,557, Dec. 27.
- Deinet, Joseph, Glassboro, N. J., and F. B. Stilmar, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1-amino-4-hydroxy-5-chloroanthraquinone. 2,487,110, Nov. 8.
- Deisinger, Delbert A., Long Branch, and R. A. Kirkman, Elberon, N. J. Electronic valve. 2,459,152, Jan. 18.
- Deiss, Emil W., Paramus, and H. E. Harris, Lyndhurst, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Socket for electron discharge tubes. 2,490,037, Dec. 6.
- Deiters, August M., assignor to Southern Wood Preserving Company, Atlanta, Ga. Handling crossites. 2,467,113, Apr. 12.
- Deltrickson, Roy H., assignor of one-half to J. M. Little, Toledo, Ohio. Removal of casings from meat products. 2,463,157, Mar. 1.
- Deltrickson, Roy H., assignor of one-half to J. M. Little, Toledo, Ohio. Rotary hydraulic motor. 2,475,224, July 5.
- De Jarlais, Gordon M., Evansville, Ind., assignor to Seeger Refrigerator Company. Motor cooling system. 2,459,311, Jan. 18.
- De Jong, Klaas: *See—*
 Hehenkamp, Theodorus, and De Jong.
- De Jongh, Peter, Arlington, N. J., assignor to L. R. Crandall, New York, N. Y. Poultry house. 2,471,675, May 31.
- De Jur-Amsco Corporation, assignee: *See—*
 Moomaw, Lewis H.
- De Kiss, Nicholas, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Accumulator. 2,480,558, Aug. 30.
- Dekker, Adrianus J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparing selenium for the purpose of increasing its conductivity. 2,463,753, Mar. 8.
- De Koning, Paul J., East Lansing, assignor to National Sanitation Foundation, Ann Arbor, Mich. Article coating apparatus for applying uniform coatings. 2,487,111, Nov. 8.
- De Koning, Paul J., East Lansing, assignor to National Sanitation Foundation, Ann Arbor, Mich. Photometric apparatus for testing the cleanliness of dishes. 2,487,112, Nov. 8.
- Delachaux, Philippe C. J., Paris, assignor to Acieries de Gennevilliers, Gennevilliers, Seine, France. Trolley collector head. 2,480,912, Sept. 6.
- De La Garde, Theodor M., Los Angeles, Calif. Adjustable discharge port spray nozzle. 2,476,440, July 19.
- De la Grange, Charles, El Monte, Calif. Poultry drip fountain. 2,474,469, June 28.
- Delahanty, Patrick J., assignee: *See—*
 Sandford, Dent.
- Delamere Company, Inc., assignee: *See—*
 Winters, Maurice.
- DeLancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Liquid fuel burner. 2,480,911, Sept. 6.
- De Lancy, Ralph W., assignor to The Miller Company, Meriden, Conn. Hot-air furnace. 2,483,489, Oct. 4.
- De Lancy, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Safety control for oil burners. 2,465,675, Mar. 29.
- Delaney, Cyril T., and Galloway, Limited, assignee: *See—*
 Belaieff, James F.
- Delaney, Virginia M., Norco, Calif. Circular knitting needle. 2,462,473, Feb. 22.
- De Lange, Cornelis: *See—*
 Addink, Nicolaas W. H., Boucher, de Lange, and Kramer.
- Bugel, Roelof D., and de Lange.
- De Lange, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Blocking-layer rectifier. 2,477,364, July 26.
- De Lange, Cornelis, and D. M. Duinker, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Combination of a blocking layer rectifier plate having a cooling plate pressed on it. 2,478,749, Aug. 9.
- Delano, James K., Rye, N. Y. Coating apparatus for wires, filaments, and the like. 2,462,474, Feb. 22.
- Delano, Raymond P., Jr., Baltimore, Md., assignor, by mesne assignments, to Franklin Railway Supply Company, New York, N. Y. Steam locomotive power adjusting mechanism for cam actuated valve. 2,466,391, Apr. 5.
- Delany, John J., assignor to Delany Realty Corporation, Brooklyn, N. Y. Throttling valve. 2,489,623, Nov. 29.
- Delany Realty Corporation, assignee: *See—*
 Delany, John J.
- Delap, Joseph A.: *See—*
 Crouch, Willie W., and Delap.
- De la Parra, Ernesto C., Mexico City, Mexico, assignor of one-tenth to Triangle Engineering Products Co., Inc., Philadelphia, Pa. Adjustable beam light. 2,463,361, Mar. 1.
- De La Rue Gas Development Limited, assignee: *See—*
 Friedman, Leopold.
- De la Sablonière, Christiaan J. D., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Beacon transmitter. 2,478,463, Aug. 9.
- De la Sabloniere, Christiaan J. de L., assignee: *See—*
 Boosman, Herman B. R., and de la Sabloniere.
- De la Source, Charles, Paris, assignor to Societe Les Fils de Peugeot Freres, Valentigney, France. Drill holder and like tool. 2,474,726, June 28.
- De la Torre, Manuel, Houston, Tex. Cigarette extinguisher. 2,487,529, Nov. 8.
- De la Torre, Miguel, Chicago, assignor to Burgess Battery Company, Freeport, Ill. Tool. 2,480,451, Aug. 30.
- Delattre-Seguy, Jean, Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of residual hydrocarbons. 2,488,713, Nov. 22.
- De Laval Separator Company, The, assignee: *See—*
 Hall, Selden H.
- Hanno, Tore V.
- Happgood, Cyrus H.
- Kopf, Frank S.
- Strzynski, George J.
- Terpening, Arnold I.
- Wheelwright, George F., Jr.
- Willson, George T.
- De Laval Steam Turbine Company, assignee: *See—*
 Haverstick, John S.

- Delaware Engineering Corporation, assignee: *See*—
Moore, William E.
Simpson, George L.
- Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical connector. 2,476,404, July 19.
- Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electric socket. 2,488,901, Nov. 22.
- Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electric socket. 2,488,967, Nov. 22.
- Del Cueto, Raul, Papantla, Mexico. Device for heating, cooling, or radiating liquids. 2,470,806, May 24.
- Del Cueto, Raul, Papantla, Vera Cruz, Mexico. Radiant energy collector. 2,475,544, July 5.
- Deleit Enterprises, Inc., assignee: *See*—
De Waltoft, Samuel A.
- De Leske, Carl H., assignee: *See*—
Jackson, Herman H.
- Delgatto, Joseph, Lake Geneva, Wis. Hat basket. 2,490,508, Dec. 6.
- De Lisa, Samuel L., Chicago, Ill. Faucet. 2,464,852, Mar. 22.
- De Lisio, Salvatore, Boston, Mass. Motor-driven fan. 2,488,467, Nov. 15.
- Delius, Herbert A., Berkeley, Calif. Centrifugal separator. 2,464,440, Mar. 15.
- Delivuk, Louis, Spokane, Wash. Grain elevator. 2,482,159, Sept. 20.
- Dell, Joseph, Windber, Pa. Railway crosstie. 2,481,983, Sept. 13.
- Dellenbarger, Charles E., Chicago, Ill. Extruding machine for plastic material. 2,466,934, Apr. 12.
- Dellinger, Ilo S.: *See*—
Campbell, Sumner E., and Dellinger.
- Delloye, André L. C., Paris, assignor to Compagnies Reunies des Glaces et Verres Speciaux du Nord de la France, Nord, France. Method of and apparatus for manufacturing heat and sound insulating material. 2,479,911, Aug. 23.
- Del Monte, Jacques and G. Pappas, New York, N. Y. Hand tool for cutting circular openings. 2,463,024, Mar. 1.
- Delmonte, John, Glendale, assignor of seventy-two per cent to R. Hemphill, Los Angeles, Calif. Furfuryl alcohol-resorcinol resin composition. 2,462,054, Feb. 22.
- Deloghia, Louis E., Agawam, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Operating mechanism for washing machines and the like. 2,479,535, Aug. 16.
- De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Anodic coating of magnesium. 2,474,181, June 21.
- De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Dyed hydrated oxide coatings on magnesium and magnesium-base alloys. 2,482,728, Sept. 20.
- De Long, Herbert K., and H. A. Barbian, assignors to The Dow Chemical Company, Midland, Mich. Magnesium primary cell. 2,481,204, Sept. 6.
- Deloraine, Edmond M., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Position indication system. 2,468,045, Apr. 26.
- Deloraine, Edmond M., Paris, France, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio communicating system. 2,471,416, May 31.
- Deloraine, Edmond M., Paris, France, and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Aircraft flight indicating system. 2,480,123, Aug. 30.
- Deloraine, Edmond M., Paris, France, and D. H. Ransom, Montclair, N. J., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Electronic telephone exchange. 2,492,136, Dec. 27.
- De Lorenzo, Joseph P., Rosedale, N. Y. Pipe-joint compound. 2,490,949, Dec. 13.
- De Lorme, Alfred C., Maplewood, N. J., and C. G. Schesch, assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for brazing articles. 2,463,158, Mar. 1.
- Delorme, Jean, Bron, and R. Bluma, Asnieres, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Solvents and plasticizers for vinyl resins. 2,470,761, May 24.
- De los Monteros, Antonio E., Washington, D. C., assignor of one-half to E. de Anzorena, Washington, D. C., and Mexico City, Mexico. Apparatus for projecting and viewing images with depth effect. 2,468,046, Apr. 26.
- D'Elosua, Agnes T., Pemberton, N. J. Bleeding tool. 2,477,864, Aug. 2.
- Deloye, James J., Neenah, Wis., assignor to International Cellulotton Products Company, Chicago, Ill. Interfolding machine. 2,468,254, Apr. 26.
- Delp, Grayce A., Wayland, Mich. Adjustable screen for hammer mills. 2,488,714, Nov. 22.
- Delph, Huram C., London, Ky. Jack hoist. 2,459,505, Jan. 18.
- Delphos Bending Company, The, assignee: *See*—
Deltier, Leslie C.
- Delsasso, Leo P.: *See*—
Sherwood, Robert M., Urick, and Delsasso.
- De Luce, Henry H., Minneapolis, Minn. Egg sheller. 2,484,692, Oct. 11.
- De Luisi, Vincent L., and C. F. Murtaugh, Columbus, Ohio. Dispenser for adhesive tapes. 2,470,342, May 17.
- Deluxe Girdlecraft Co., assignee: *See*—
Scheinberg, Morris M.
- De Luxe Products Corporation, The, assignee: *See*—
Flint, Charles R.
- Delvaux, Jean L., Paris, France, assignor to General Electric Company. Reactance tube circuit. 2,469,194, May 3.
- Del Vecchio, Henry W.: *See*—
Kern, Charles J., and Del Vecchio.
- De Marco, Louis, Cleveland, Ohio. Governor. 2,464,853, Mar. 22.
- De Marinis, Frank, Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Manufacturing friction plates. 2,480,076, Aug. 23.
- De Marinis, Frank, Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Reconditioning backing members having powdered material facings. 2,483,996, Oct. 4.
- De Mars, Jeo M., assignee: *See*—
Garrigan, John E., and Durda.
- De Martin, Roger R., Windsor, Ontario, Canada. Two-way adjustable four jaw lathe chuck. 2,464,854, Mar. 22.
- De Martini, Ralph S., San Leandro, Calif. Semiautomatic jig. 2,460,812, Feb. 8.
- Dematteis, Julian, Batavia, Iowa. Safety rail plate. 2,463,955, Mar. 8.
- De Mattia, Andrew D.: *See*—
Johnston, William A., and De Mattia.
- Dember, Alexis B., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Humidity responsive resistor. 2,481,728, Sept. 13.
- De Ment, Jack, Portland, Oreg. X-ray stroboscope. 2,465,676, Mar. 29.
- De Ment, Jack, Portland, Oreg. Ultraviolet stroboscope. 2,467,661, Apr. 19.
- De Mers, Edward F., assignor to Stromberg-Carlson Company, Rochester, N. Y. Discharge initiating circuit. 2,492,850, Dec. 27.
- Demers, Elmer A., Dedham, Mass. Safety attachment for stoves. 2,491,091, Dec. 13.
- Demers, Paul E., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking communication system. 2,484,691, Oct. 11.
- Demenleuere, Marcel, Flushing, N. Y. Cash register. 2,473,509, June 21.
- De Mian, Stanley B., Chicago, Ill. Fiberboard shipping container. 2,465,324, Mar. 22.
- Deming Company, The, assignee: *See*—
Mueller, Alexander V.
- Vaisey, Harold C., and Deming.
- Deming, Frederick G.: *See*—
Shallenberg, Walter.
- Deming, Robert E., San Diego, Calif. Wrench for cylindrical headed objects. 2,463,525, Mar. 8.
- Demmer, Edward U., assignee: *See*—
Elliott, Gordon R.
- De Monte, Robert W., Glen Ridge, and A. B. Haines, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating electrical devices. 2,459,018, Jan. 11.
- Demorest, Dana J.: *See*—
Nye, Ralph D., and Demorest.
- De Moss, Albert H., assignor to American Machine & Metals, Inc., Moline, Ill. Program controller. 2,488,766, Nov. 22.
- De Moss, Leonard, Des Moines, Iowa, assignor to Swift & Company, Chicago, Ill. Skinning machine. 2,477,289, July 26.
- Dempsey, Edward C., Pine Bluff, Ark. Automatic shutoff for storage tanks of flow lines. 2,492,274, Dec. 27.
- Dempsey, Eugene D., Louisville, Mass. Power take-off for trucks. 2,468,182, Apr. 26.
- Dempsey, George, Gloversville, N. Y. Apparatus for treating skins. 2,469,636, May 10.
- Dempsey, John T., administrator: *See*—
Lyons, Willard E.
- Dempsey, Oscar E., assignor to Dempsey Pump Co., Tulsa, Okla. Flowing wells. 2,469,225, May 3.
- Dempsey Pump Co., assignee: *See*—
Dempsey, Oscar E.
- Dempster, Arthur J.: *See*—
Hickman, Clarence N., and Dempster.
- Dempster Brothers, Incorporated, assignee: *See*—
Dempster, George R., and Jones.
- Dempster, George R., Knoxville, Tenn. Container. 2,464,441, Mar. 15.
- Dempster, George R., and H. W. Jones, assignors to Dempster Brothers, Incorporated, Knoxville, Tenn. Elevating mechanism for fifth wheels. 2,459,506, Jan. 18.
- Demure, Rene E.: *See*—
Buxton, James E., Christian, and Demure.
- Demuth, Galan W., Moorestown, N. J., assignor to Radio Corporation of America. Keyboard for musical instruments. 2,470,148, May 17.

- Demuth, Hiram J., Enid, Okla. Wheat drier for combines. 2,465,070, Mar. 22.
- De Muth, John J., Burbank, Calif., assignor to Radio Corporation of America. Vacuum tube comparison test method and system. 2,478,750, Aug. 9.
- Den, Frank, New York, N. Y. Steering wheel for motor vehicles. 2,459,797, Jan. 25.
- Denault, Clinton L., Sharpsville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit controlling apparatus. 2,488,383, Nov. 15.
- Dench, Edward C.: *See*—
Hardy, Arthur C., and Dench.
- Denegre, Charles, assignee: *See*—
Patterson, William.
- Denham, Frank, assignor to Taylor Wordsworth & Company Limited, Leeds, England. Spring-loaded roller for combing machines and the like. 2,489,015, Nov. 22.
- Denham, Robert H., Scotia, N. Y., assignor to General Electric Company. Induction heating continuously moving wire. 2,459,507, Jan. 18.
- Denham, Roy M.: *See*—
Cahill, Lysle D., and Denham.
- Denhard, Harry W., Sebastopol, assignor to Oliver United Filters Incorporated, Oakland, Calif. Foam breaker. 2,490,421, Dec. 6.
- Den Hartog, Lodewyk, assignee: *See*—
Klaris, Pieter A.
- Deniau, André J., Paris, France, assignor to General Electric Company. Siphon. 2,481,984, Sept. 13.
- De Nie, Willem L. J.: *See*—
Rumscheidt, G. E., and de Nie.
- De Nie, Willem L. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of vinyl chloride. 2,474,206, June 28.
- De Nié, Willem L. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Emulsion of polymerization of vinylidene compounds. 2,475,016, July 5.
- Denier, James C., Cincinnati, Ohio. Rail fitting. 2,474,727, June 28.
- Denig, Fred, assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas purification process. 2,458,505, Jan. 11.
- Denig, Fred, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Recovery of light oil from absorbent. 2,472,810, June 14.
- Denis, Harriette A., Los Angeles, assignor of one-half to E. Schmaltz, Long Beach, Calif. Brassiere. 2,466,638, Apr. 5.
- De Nise, Dwight D., Seattle, Wash. Imparting feel-back to a manually movable control element. 2,475,484, July 5.
- Denisoff, Alexander C., East Twickenham, England, assignor to West Road Co. Limited. Temperature compensator for electrical measuring systems. 2,483,757, Oct. 4.
- Denison, Charles E.: *See*—
Clark, Clare L., and Denison.
- Denison Engineering Company, The, assignee: *See*—
Adams, Cecil E.
Adams, Cecil E., and Born.
Mills, Howard.
Renick, Wendell E.
Wright, Fred J.
- Denison, George H., Jr., Oakland, and P. C. Condit, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Stabilization of organic substances. 2,473,510, June 21.
- Denison, George H., Jr., Oakland, and P. C. Condit, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Mineral oil compositions and the like. 2,473,511, June 21.
- Denison, Louis S., Los Angeles, Calif. Plumbing cleanout attachment. 2,490,422, Dec. 6.
- Denison, Ruth C.: *See*—
Shabaker, Hubert A., Mills, and Denison.
- Denk, William E., Haverford Township, Delaware County, assignor to Philco Corporation, Philadelphia, Pa. Electronic pointer for television images. 2,487,641, Nov. 8.
- Denn, Bernard L., Portland, Oreg. Tent frame. 2,488,809, Nov. 22.
- Dennene, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Power cabinet. 2,466,007, Apr. 5.
- Denney, John S., La Grange, Ga. Drop wire cover and warp brush. 2,491,092, Dec. 13.
- Dennis, Charles E., United States Navy. Radio-frequency testing circuit. 2,472,096, June 7.
- Dennis, Clement O., assignee: *See*—
Napier, James W.
- Dennis, Fred R., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable frequency oscillator. 2,486,265, Oct. 25.
- Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Regenerator. 2,492,788, Dec. 27.
- Dennison, Benjamin H.: *See*—
Bryant, Herwil M., Dennison, and White.
- Dennison, Edward S.: *See*—
Claitor, Lilburn C., and Dennison.
- Dennison, George E.: *See*—
Sitzler, Richard R., and Dennison.
- Dennison Manufacturing Company, assignee: *See*—
Lone, Arnold R.
Charles, Robert F., and Durgin.
Flood, Carl A.
Flood, Edward W.
Owen, Haddon S.
- Dennison, Robert C., Manchester, Conn. Combined belt buckle and bottle cap remover. 2,470,606, May 17.
- Dennison, Stanley W.: *See*—
Henschen, Edgar, and Dennis.
- Denny, Edson M.: *See*—
Bureau, Arthur A., and Denny.
- Denslow, Roy R.: *See*—
Hucks, Robert T., and Denslow.
- Densmore, John F., Hanover, N. H. Lifting jack. 2,491,718, Dec. 20.
- Denson, Lee, and E. F. Bernhardt, Baltimore, Md. Game table. 2,476,535, July 19.
- Dentists' Supply Company of New York, The, assignee: *See*—
Saffir, Jacob A.
- Dentier, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,458,572, Jan. 11.
- Dentier, Arnold E., La Grange, and G. E. Dath, Mokena, assignors to W. H. Miner, Inc., Chicago, Ill. Apparatus for testing draft gears. 2,488,619, Nov. 22.
- Denton, Earl T., Butler, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Apparatus for subjecting material to the action of split electrical discharges. 2,468,176, Apr. 26.
- Denton, Harold H., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Treatment of drilling fluid. 2,479,061, Aug. 16.
- Denton, John J., Somerville, and K. L. Howard, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. 1,4-di- (heterocyclic substituted) piperazines. 2,459,367, Jan. 18.
- Denton, Joseph O., Jr., Lubbock, Tex. Sweetening and desulfurizing hydrocarbons. 2,488,855, Nov. 22.
- Denton, Walter B., assignee: *See*—
Mulsow, Nelson.
- Denton, William I.: *See*—
Bishop, Richard B., and Denton.
Marlics, Milton M., Denton and Bishop.
Nygaard, Edwin M., Denton, and Bishop.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,463,456, Mar. 1.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,463,457, Mar. 1.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of aromatic solvents. 2,463,479, Mar. 1.
- Denton, William I., Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of aromatic nitriles. 2,478,464, Aug. 9.
- D'Entremont, Franklin R.: *See*—
Pfuntner, Richard A., and D'Entremont.
- D'Entremont, Franklin R., Lynnfield, Mass., assignor to General Electric Company. Electric induction apparatus. 2,482,403, Sept. 20.
- Denyes, Russell O., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Treatment of viscose cellulose filamentary materials. 2,479,605, Aug. 23.
- Denyes, Russell O., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Treatment of viscose. 2,486,522, Nov. 1.
- Denyssen, Ivanhoe P., Lansdowne, Pa., assignor to American Viscose Corporation, Wilmington, Del. High-speed traverse. 2,463,604, Mar. 8.
- Denyssen, Ivanhoe P., Lansdowne, Pa., and W. E. Riecken, deceased, late of Leonia, N. J., by W. E. Riecken, Jr., administrator, Leonia, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Paint spraying machine. 2,462,848, Mar. 1.
- Deobald, Harold J.: *See*—
Singer, Philip A., and Deobald.
- De Olariaga, Sara M. I., assignee et al.: *See*—
Bulgarini, Luis.
- De Palacio, Raúl C., Mexico City, Mexico. Automatic level gauge for liquids contained in tanks. 2,483,532, Oct. 4.
- De Palo, Thomas P., Framingham, Mass. Circumcision clamp. 2,471,864, May 31.
- De Paolis, Paul F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,466,392, Apr. 5.
- De Pascale, Angelo R., Scottsville, N. Y. Thermostatic switch. 2,488,055, Nov. 15.
- De Permentier, Paul R., Liege, Belgium. Cooling machine gun barrels. 2,467,372, Apr. 19.
- Depew, Charles, Oakland, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ionic discharge device. 2,471,263, May 24.
- De Postels, Theodore A., New York, N. Y. Drafting appliance. 2,478,751, Aug. 9.

- De Pree, Lee: *See*—
 Barry, Arthur J., and De Pree.
 Barry, Arthur J., Gilkey, and De Pree.
 Barry, Arthur J., Hook, and De Pree.
- De Pree, Lee, Holland, A. J. Barry, and D. E. Hook, assignors to The Dow Chemical Company, Midland, Mich. Production of alkylhalosilanes. 2,469,355, May 10.
- De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,461,260, Feb. 8.
- De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,464,674, Mar. 15.
- De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding dressing table. 2,467,467, Apr. 19.
- De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,481,577, Sept. 13.
- De Ragon, Paul O., Midway Park, Camp Lejeune, N. C. Wall and panel construction. 2,479,819, Aug. 23.
- Derby, John H., Scarsdale, N. Y. Pile. 2,470,149, May 17.
- Derby, John H., Scarsdale, N. Y. Remote control valve. 2,473,867, June 21.
- Derby, Palmer P., Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,463,524, Mar. 8.
- Derby, Palmer P., Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,468,183, Apr. 26.
- Derby, Roland E., Lowell, Mass., assignor, by mesne assignments, to J. P. Stevens & Co., Inc., New York, N. Y. Process and apparatus for continuously neutralizing dry acid cloth. 2,485,710, Oct. 25.
- Derby Sealers, Incorporated, assignee: *See*—
 Aldrich, John W.
- Derbyshire, Charles E., Fort Wayne, Ind., assignor to General Electric Company. High reactance transformer. 2,481,985, Sept. 13.
- Dercole, James W., U. S. Navy, Portsmouth, N. H. Seam ripper. 2,476,288, July 19.
- Derderian, Edward J.: *See*—
 Cole, Carroll E., and Derderian.
- Derfler, Frank, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Ball making machine. 2,480,716, Aug. 30.
- Derham, Leslie J.: *See*—
 Robson, Stanley, and Derham.
- Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Snap-on bottle base. 2,461,968, Feb. 15.
- Derksen, Jan C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Casing with pushbutton valve for air depolarized cells. 2,468,430, Apr. 26.
- Derksen, Jan C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Improving bitumen by blending with polyethylene. 2,475,699, July 12.
- Derman, Harry, Great Neck, N. Y. Garment hanging screen. 2,460,978, Feb. 8.
- Derman, Harry, Great Neck, N. Y. Spreader fastener of the paper-fastener type. 2,480,323, Aug. 30.
- Dermer, Otis C., Stillwater, assignor to Cities Service Oil Company, Bartlesville, Okla. Dibenzylidene derivatives of 2,2,6,6-tetramethylcyclohexanol. 2,472,147, June 7.
- De Roo, William C., assignor to Hart & Cooley Manufacturing Company, Holland, Mich. Register construction. 2,464,442, Mar. 15.
- De Roo, William C., assignor to Hart & Cooley Manufacturing Company, Holland, Mich. Register construction. 2,473,053, June 14.
- De Roo, William C., assignor to Hart & Cooley Manufacturing Company, Holland, Mich. Damper pivot. 2,488,006, Nov. 15.
- De Rooy, Edward F., Alberni, British Columbia, assignor of one-third to T. M. Peterson, Port Alberni, British Columbia, Canada. Sole protector. 2,484,935, Oct. 18.
- De Rosa, Louis A.: *See*—
 Busignies, Henri G., and De Rosa.
- De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Phase shifter. 2,483,403, Oct. 4.
- Derr, Elmer B., Oak Park, Ill., assignor to International Harvester Company. Sterilizing and drying cabinet using hot air. 2,480,227, Aug. 30.
- Derr, Willard A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,484,208, Oct. 11.
- Derrick, Harriet F., assignee: *See*—
 Kessler, Lee H.
- Derrick, John H.: *See*—
 Owens, Henry B., and Derrick.
- D'Errico, John, Brooklyn, N. Y. Roundabout. 2,458,150, Jan. 4.
- Derry, Floyd H., and L. Hammett, Reads ville, Mo. Safety device for hydraulic brake systems. 2,482,328, Sept. 20.
- Dersch, Fritz, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 1,3,5-Triazines as stabilizing agents for silver-halide emulsions. 2,476,536, July 19.
- Dersch, Fritz, and R. H. Clark, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Tetrazolyl disulfides as stabilizing agents for silver-halide emulsions. 2,465,149, Mar. 22.
- Derse, Arthur F., Sr., Woodhaven, N. Y. Leg construction for table frames. 2,480,559, Aug. 30.
- De Rubeis, Peter J., Hurley, Wis. Drainage valve for musical instruments. 2,482,903, Sept. 27.
- De Rugeris, John, Atlantic City, assignor of one-half to J. Budnick, Pleasantville, and one-tenth to E. Curtis, Atlantic City, N. J. Electric solder-feeding iron. 2,491,165, Dec. 13.
- Derungs, Ernest A., Le Locle, Switzerland. Selecting control device. 2,457,876, Jan. 4.
- Desaulniers, Hubert, Montreal, Quebec, Canada. Chance controlled hemispherical game piece. 2,471,202, May 24.
- Desch, Joseph R., E. V. Gulden, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Communication system. 2,462,613, Feb. 22.
- Desch, Joseph R., and E. V. Gulden, assignors to The National Cash Register Company, Dayton, Ohio. Electronic remote-control device. 2,467,257, Apr. 12.
- Deschenes, Alfred and E. G. Lowell, Mass. Adjustable shoe heel part. 2,478,810, Aug. 9.
- Deschenes, Edward G.: *See*—
 Deschenes, Alfred and E. G.
- Deschenes, Philip E., East Jaffrey, N. H. Cam operated cap gripping wrench. 2,486,523, Nov. 1.
- Descombes, Julien A., assignor to Societe d'Etudes et de Realisation des Brevets Descombes, Paris, France. Cinematograph projection and sound-reproducing apparatus. 2,459,623, Jan. 18.
- De Selgas y Marin, Ezequiel, and A. Laffon y Soto, Madrid, Spain. Photographic numbering appliance for scenes, for use in the photoelectric recording of sounds. 2,490,338, Dec. 6.
- Desert Gold Feed Company, assignee: *See*—
 Miller, Alfred L.
- Deshays, Marcel: *See*—
 Martinet, Joseph, and Deshays.
- Designers for Industry, Inc., assignee: *See*—
 Blazey, Lawrence E.
 Boyer, Ralph K.
 Mankki, Onnie.
- De Silva, Manuel A. M., assignee: *See*—
 Pérez, José G.
- Desjardins, Norbert, Montreal, Quebec, Canada. Automatic egg boiler. 2,470,548, May 17.
- Desmond-Stephan Mfg. Co., The, assignee: *See*—
 Eaton, George.
- Desmone, John A.: *See*—
 Kohl, John C., and J. A. Desmone.
- Desmoullins, Emile H., Issy-les-Moulineaux, France. Propeller driving unit. 2,480,806, Aug. 30.
- Desmoullins, Emile H., Issy-les-Moulineaux, France. Propeller unit for aircraft. 2,484,273, Oct. 11.
- Desouches, Gerard, Paris, France, assignor to Cartier, Inc., New York, N. Y. Lighter. 2,485,041, Oct. 18.
- Despois, Edouard: *See*—
 Danzin, Andre, and Despois.
- De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Pressure-tight grommet. 2,457,983, Jan. 4.
- De Swart, Jan, Los Angeles, Calif., assignor to Shellmar Products Corporation, Chicago, Ill. Article support. 2,458,897, Jan. 11.
- De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Bottle carrier. 2,472,005, May 31.
- De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Plastic paper clip. 2,478,376, Aug. 9.
- De Swart, Jan, Los Angeles, Calif., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Applicator tool for electrical pass-throughs. 2,478,886, Aug. 9.
- Désy, Jean M., assignee: *See*—
 Désy, Joseph A. G.
- Désy, Joseph A. G., assignor of one-half to J. M. Désy, Montreal, Quebec, Canada. Automatic centering punch. 2,479,912, Aug. 23.
- De Tar, John S., assignee: *See*—
 Williams, Chester.
- Deters, Elmer M., assignor to Red Jacket Manufacturing Co., Davenport, Iowa. Tank foot. 2,463,754, Mar. 8.
- Dethlefs, Walter M., Santa Monica, and F. Minder, Los Angeles, Calif. Microprotractor. 2,471,099, May 24.
- Detrick, M. H., Company, assignee: *See*—
 Hosbels, Louis H.
- Detrick, Stanley R., New Castle County, W. H. Lockwood, Wilmington, and N. Whitman, New Castle County, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polysulfonyl chlorides. 2,462,730, Feb. 22.
- Detroit Brass & Malleable Works, assignee: *See*—
 Wildern, William J.
- Detroit Coil Company, assignee: *See*—
 Jencks, Hollis W.
- Detroit Cover Company, assignee: *See*—
 Oppatt, Edward H.

- Detroit Edison Company, The, assignee: *See*—
Matthews, George A.
- Detroit Engineering Laboratories, Inc., assignee: *See*—
Du Brie, Stanley R.
- Detroit Harvester Company, assignee: *See*—
Nicholson, Stanley W.
Floraday, Burton S.
- Detroit Lubricator Company, assignee: *See*—
Carter, Franklyn Y.
Dillman, Ernest J.
Foulds, Andrew K.
Landon, Walter S.
Von Wangenheim, Adolf.
Weber, Walter H.
Welby, Henry R.
- Detroit Magnetic Inspection Company, assignee: *See*—
Stuart, Homer E.
- Detroit Seamless Steel Tubes Company, assignee: *See*—
Sleeman, Earl C.
- Detroit Stamping Company, assignee: *See*—
Spencer, John T., Jr., and Girardello.
- Detroit Steel Products Company, assignee: *See*—
Kelly, Clyde W.
- Dettman, Maxwell C., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Signal translator blocking circuit. 2,459,798, Jan. 25.
- Dettmer, Elsa C. M., assignee: *See*—
Andresen, Herman P.
- Detuno, Rocco J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency induction heating apparatus. 2,477,118, July 26.
- Detuno, Rocco J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency induction heating apparatus. 2,484,613, Oct. 11.
- Detwiler, John B., Mimico, Ontario, Canada. House heating boiler. 2,478,687, Aug. 9.
- Detwiler, Warren H., Pequea, Pa., assignor to E. Bendow, South Hackensack, N. J. Assembler slide bar stop. 2,490,680, Dec. 6.
- Deuber, Thomas A.: *See*—
Longworth, John, and Deuber.
- Deubler, Louis H., Jr., Northbrook, assignor to J. M. Short, Chicago, Ill. Holding attachment for jig vises. 2,492,558, Dec. 27.
- Deuschle, Fritz, Martinsville, N. J., assignor to Buchanan Electrical Products Corporation. Tool for making electrical connectors. 2,467,012, Apr. 12.
- Deutemeier, Herbert W., Cincinnati, assignor to The Globe-Wenick Co., Norwood, Ohio. Center drawer housing for pedestal type desks. 2,482,611, Sept. 20.
- Deutsch, Emanuel M., Brooklyn, N. Y. Combination slip. 2,465,518, Mar. 29.
- Deutsch, Murray L.: *See*—
Wasserman, Lee S., and Deutsch.
- Deutsch, Robert K., Chicago, Ill., F. A. Larson, Bronxville, N. Y., and V. E. Middlebrook, Tulsa, Okla., assignors to Shell Development Company, San Francisco, Calif. Process and apparatus for refrigeration. 2,479,821, Aug. 23.
- Deutsch, Robert W., Ridgewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode for electron discharge devices. 2,490,786, Dec. 13.
- Deutschmann, A. L., assignee, et al.: *See*—
Hanopol, Louis.
- Deutschmann, L.: *See*—
Hanopol, Louis.
- Deutschmann, Tobe, assignee: *See*—
Rich, Stanley R.
- De Vaissière, Alfred J. D. H. M., assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Manufacture of vinyl chloride. 2,467,013, Apr. 12.
- De Vancy, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Froth flotation of oxide iron ore. 2,470,150, May 17.
- De Vancy, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Cationic froth flotation of iron ore. 2,483,890, Oct. 4.
- Devaney, Lawrence W.: *See*—
McBee, Earl T., and Devaney.
- De Vany, Arthur S., Inyokern, Calif. Liquid contact tilt indicating switch. 2,490,785, Dec. 13.
- De Végvár, Géza E. N., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Maleic acid liquor purification and isomerization to fumaric acid. 2,483,576, Oct. 4.
- De Vellier, William A., New York, N. Y., assignor to New Process Screw Corporation, Waterville, Conn. Apparatus for rolling screws. 2,483,186, Sept. 27.
- Development Corporation, Inc., assignee: *See*—
Thomas, Frank S., Jr.
- Deverall, Charles N., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Holder for the ends of tubes. 2,465,677, Mar. 29.
- De Verter, Paul L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Motor fuels. 2,465,209, Mar. 22.
- De Verter, Paul L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Anti-knock motor fuel. 2,479,326, Aug. 16.
- De Vilbiss Company, The, assignee: *See*—
Braun, Charles A.
Clark, Albert R., and Buck.
Mayo, Charles W.
Peeps, Donald J.
Schmitt, Joy B.
- De Villiers, Truman E., Okmulgee, assignor to Cities Service Oil Company, Bartlesville, Okla. Sight-feed lubricator system. 2,483,363, Sept. 27.
- Devin, Burnis, Oakland, assignor to Kalin Corporation, San Francisco, Calif. Maternity slip. 2,480,398, Aug. 30.
- De Vine, Donald F., Portland, Oreg., assignor to General Electric Company. Centrifugal casting of glass bushings. 2,473,624, Aug. 9.
- Devine, John J., Middletown, Conn. Illuminated fountain pen. 2,484,154, Oct. 11.
- Devine, Lawrence V.: *See*—
Devine, Verbol J. and L. V.
- Devine, Martin J., Englewood, N. J. Traction grip. 2,463,605, Mar. 8.
- Devine, Thomas G., Stockton, Calif. Food slicer. 2,474,824, July 12.
- Devine, Verbol J. and L. V., Kansas City, Mo. Rotary hydraulic motor having spring actuated radially sliding vanes. 2,486,467, Nov. 1.
- De Virgillis, Richard, Detroit, Mich. Illuminated mirror. 2,461,315, Feb. 8.
- De Vlieg, Charles B., Birmingham, Mich., assignor, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio. Method of and apparatus for making impeller wheels. 2,480,807, Aug. 30.
- Devlin, Leo J., and E. H. Heinemann, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aerodynamic retarder. 2,461,967, Feb. 15.
- Devlin, Paul A.: *See*—
Shokal, Edward C., and Devlin.
- Devlyn, Arthur H., assignor of one-fourth to C. A. Pevitt, Lithgow, New South Wales, Australia. Nut lock. 2,481,828, Sept. 13.
- Devoe, Arthur R., assignor to The Bishop Company, North Attleboro, Mass. Nonmetal nose guard. 2,471,063, May 24.
- De Voe, Charles F., assignor to Corning Glass Works, Corning, N. Y. Electric glass melting furnace and process. 2,490,339, Dec. 6.
- Devol, Lee, Drexel Hill, assignor, by mesne assignments, to Anthracite Equipment Corporation, Wilkes-Barre, Pa. Vibratory conveyor. 2,464,216, Mar. 15.
- Devol, Manson L., Wilkensburg, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making plate glass. 2,478,090, Aug. 2.
- Devore, Henry B., Cranbury, N. J., assignor to Radio Corporation of America. Directional microwave transmission system having dielectric lens. 2,479,673, Aug. 23.
- De Vore, Henry B., Norwalk, Conn., assignor to Remington Rand Inc., New York, N. Y. Cathode-ray tube sweep circuit. 2,466,537, Apr. 5.
- DeVore, Henry B., Norwalk, Conn., assignor to Remington Rand Inc., New York, N. Y. Color television system. 2,479,820, Aug. 23.
- De Vore, Stewart W., assignee: *See*—
Eastman, Harold G.
- Devore, Weber: *See*—
Green, Samuel G., D'Ardenne, Meinel, and Devore.
- Devores, Edward, Brighton, Mass. Correcting negatives. 2,484,019, Oct. 11.
- Devors, Joseph W., Jr., Washington, D. C., assignor to United States Rubber Company, New York, N. Y. Flexible diaphragm seal. 2,488,968, Nov. 22.
- De Vriendt, Charles, and L. A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical signal transmission system. 2,474,234, June 28.
- De Vriendt, Charles, and L. A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,490,038, Dec. 6.
- De Vry, Edward B., assignee: *See*—
Ress, Thomas I.
- De Vry, William C., assignee: *See*—
Ress, Thomas I.
- De Vyver, Cornelius A., Chappaqua, assignor to Johns-Manville Corporation, New York, N. Y. Insulating tubular covering and making the same. 2,459,688, Jan. 18.
- De Waard, Russell D., Riverside, C. R. Stryker, Cos Cob, and A. F. Blockman, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Stiffness and bending strength tester for thin sheet materials. 2,462,826, Feb. 22.
- De Waard, Russell D., Riverside, and C. R. Stock, South Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y. Method of and device for testing crease resistance. 2,482,470, Sept. 20.
- De Walt, Kenneth C., and T. P. Curtis, Scotia, N. Y., assignors to General Electric Company. Temperature compensating mechanism. 2,486,129, Oct. 25.

- De Waltoff, Samuel A., Los Angeles, assignor to Deleit Enterprises, Inc., Los Angeles County, Calif. Combined cap and dispenser for jars and the like. 2,487,642, Nov. 8.
- Dewar, Harvey L., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Screw. 2,479,730, Aug. 23.
- Dewey and Almy Chemical Company, assignee: *See*—
Egan, Charles H.
Foye, Allen B.
Gott, Gordon E.
Habib, Emile E., and Greenlie.
Isom, Langley W.
Jalbert, Domina C.
Tompkins, Norman G.
- Dewey, Benjamin F., assignor to Lapp Insulator Company, Inc., Le Roy N. Y. Porcelain insulator body. 2,481,729, Sept. 13.
- Dewey, Charles H. A., Mobile, Ala. Wrist watch band. 2,482,660, Sept. 20.
- Dewey, Clarence L., Elkhart, Ind. Article of furniture. 2,480,183, Aug. 30.
- Dewey, Raymond S., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Sealing and positioning means for grinder mechanisms or the like. 2,473,513, June 21.
- De Weyer, Henricus J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode assembly for electric discharge tubes. 2,489,367, Nov. 29.
- Dewhurst, Paul A., assignee: *See*—
Hamer, Leland S.
- De Windt, Joseph J.: *See*—
Cobb, Carroll F., and De Windt, and Weitlauf.
- De Witt, Chauncey O., Teaneck, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic drainage apparatus. 2,462,614, Feb. 22.
- De Witt, Clinton M., Tahoe Valley, Calif. Machine for removing the soft wood from the surface of plywood panels. 2,467,194, Apr. 12.
- De Witt, David, Little Neck, assignor to Radio Receptor Company, Inc., New York, N. Y. Mount for electrical units. 2,490,859, Dec. 18.
- De Witt, Walter M., Sr., Somerville, N. J., and M. K. Cumming, Bronxville, assignors to Johns-Manville Corporation, New York, N. Y. Tubular gasket. 2,484,693, Oct. 11.
- Dexdale Hosiery Mills assignee: *See*—
Berger, Emil J., and West.
- Dexdale Hosiery Mills, The, assignee: *See*—
Berger, Emil J., and West.
- Dexter, C. H., & Sons, Inc., assignee: *See*—
Osborne, Fay H.
- Dexter Company, The, assignee: *See*—
Snyder, Ory L.
- Dexter Folder Company, assignee: *See*—
Holms, Walter.
- Deyarmond, Herbert P., Los Angeles, Calif. Saw retoothing and metal cutter. 2,483,336, Sept. 27.
- Deyrup, Alden J., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vitreous coatings for light metals. 2,467,114, Apr. 12.
- Deyrup, Alden J., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dielectric strength test for capacitors. 2,474,415, June 28.
- Dezso, Emery, Mishawaka, Ind. Striker operator for musical instruments. 2,484,936, Oct. 18.
- De Zubay, Egon A., Bellevue, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,477,584, Aug. 2.
- De Zubay, Egon A., and E. L. Wilson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion chamber construction. 2,477,583, Aug. 2.
- D'heedene, Albert R., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal filter. 2,459,019, Jan. 11.
- Di Addario, Thomas D., Buffalo, N. Y. Combination spool and bobbin assembly. 2,458,898, Jan. 11.
- Di Addario, Thomas D., Buffalo, N. Y. Device for sifting and measuring flour and the like. 2,476,483, July 19.
- Di Addario, Thomas D., Buffalo, N. Y. Knife guide for use in cutting pies or cakes into slices. 2,478,572, Aug. 9.
- Diadul, Richard A., Chicago, Ill. Colostomy cup pad. 2,489,016, Nov. 22.
- Diamant, Fred J., New York, N. Y. Shoe with innersole providing arch supporting flap. 2,460,493, Feb. 1.
- Diamant, Fred J., New York, N. Y. Constructing platform shoes. 2,468,617, Apr. 26.
- Diamantides, Diamond, Massillon, Ohio. Ship propulsion means. 2,460,339, Feb. 1.
- Diamond, Abe, Jacksonville, Fla. Illuminated fishing float. 2,485,087, Oct. 18.
- Diamond, Al, New York, N. Y. Shoulder pad. 2,461,881, Feb. 15.
- Diamond Alkali Company, assignee: *See*—
Hefelfinger, Elmer C.
Hirsch, Alfred.
Katzen, Raphael.
Katzen, Raphael, and Pearstein.
- Diamond Alkali Company, assignee—Continued.
Meiler, John G.
Perrin, Tom S., and Seybert.
Robinson, Edward A.
Warburton, Dick M.
- Diamond, Bernard, Brooklyn, N. Y. Variable-speed fluid transmission and differential. 2,477,967, Aug. 2.
- Diamond Chain Company, Inc., assignee: *See*—
Focke, Arthur E., and Morrow.
- Diamond, Doris, assignee: *See*—
Diamond, Israel.
- Diamond, Herbert H., assignee: *See*—
Diamond, Israel.
- Diamond, Holton W., Dearborn, Mich. Topping for salads, desserts, and similar products. 2,487,698, Nov. 8.
- Diamond, Holton W., and R. A. Smith, assignors to Ford Motor Company, Dearborn, Mich. Soluble compound of chlorophyll and synthesis thereof. 2,476,358, July 19.
- Diamond, Hymen, assignee: *See*—
Levin, Jacob.
Ruch, Charles A.
- Diamond Instrument Company, assignee: *See*—
Arringdale, Roger L.
- Diamond, Israel, assignor of one-fourth to R. Diamond, one-fourth to D. Diamond, one-fourth to M. Diamond, and one-fourth to H. H. Diamond, Washington, D. C. Wire connector. 2,492,690, Dec. 27.
- Diamond, Jack, Washington, D. C. Diving bell. 2,479,217, Aug. 16.
- Diamond Match Company, The, assignee: *See*—
Danenbauer, George M.
Montague, Stephen F.
- Diamond, Mildred, assignee: *See*—
Diamond, Israel.
- Diamond Power Specialty Corporation, assignee: *See*—
Diamond, Israel.
Thomas, Willis P.
- Diamond, Ruth, assignee: *See*—
Brelsford, Harry E.
- Diamond, Solomon, Great Neck, N. Y. Tabular chart selector. 2,480,228, Aug. 30.
- Di Angelo, Carlo, Hostetter, Pa. Combined castanet and tambourine. 2,472,408, June 7.
- D'Ianni, James D.: *See*—
Clifford, Albert M., and D'Ianni.
- D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Recovering cyclized synthetic polyisoprene. 2,484,614, Oct. 11.
- Diaper, Cecil T., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Ammunition box. 2,470,475, May 17.
- Diaper, Herbert E., Bitterne, Southampton, assignor to Aviation Developments Limited, Garden City, Hertford County, England. Fastener. 2,472,651, June 7.
- Diard, Ray, Newport, Wash. Rotary hydraulic fluid transmission mechanism. 2,470,241, May 17.
- Diaz, Mary L., administratrix: *See*—
Diaz, Pascual M.
- Diaz, Pascual M., deceased, San Antonio, Tex.; M. L. Diaz, administratrix. Variable capacity rotary pump. 2,460,251, Jan. 25.
- Di Battista, Bernard L.: *See*—
Di Battista, Charles and B. L.
- Di Battista, Charles and B. L., Cranford, N. J. Coating composition. 2,460,878, Feb. 8.
- Dibble, Frank B., Pleasantville, E. G. Mercier, Flushing, J. A. Duvoisin, Briarcliff, and C. K. Gaertner, Scarsdale, N. Y., assignors to General Precision Laboratory Incorporated. Lens mount. 2,491,093, Dec. 13.
- Dibrell, Elisabeth, assignor to G. B. Peake, New York, N. Y. Scarf. 2,479,731, Aug. 23.
- Dick, A. B., Company, assignee: *See*—
Chambers, Thomas S., and Florence.
- Dickason, Carl F.: *See*—
Rivard, Lawrence B., and Dickason.
- Dicke, Allen A., Upper Montclair, N. J. Two-part breech closing mechanism for repeating firearms. 2,484,694, Oct. 11.
- Dicke, Oscar H., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Electric clock system. 2,490,340, Dec. 6.
- Dickel, Geraldine B.: *See*—
Swern, Daniel, and Dickel.
- Dickens, Lonnie A., High Point, N. C. Hydraulic clutch. 2,475,700, July 12.
- Dickenson, Haydn G.: *See*—
Pickholz, Siegfried, and Dickenson.
- Dickenson, Leo R., Washington, D. C. Folding machine. 2,470,762, May 24.
- Dickerman, Fred N., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Landing gear for aircraft. 2,469,106, May 3.
- Dickerman, Fred N., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Piston rod packing lubricator. 2,473,139, June 14.
- Dickerman, Gilbert K., assignor to Consolidated Water Power and Paper Company, Wisconsin Rapids, Wis. Production of laminated plastic. 2,463,856, Mar. 8.
- Dickerman, Hubert E., Springfield, Mass. Tool. Re. 2,138, Aug. 2.
- Dickerman, Hubert E., Springfield, Mass. Feeding mechanism. 2,460,340, Feb. 1.

- Dickerson, Ida D., executrix: *See*—
Chadsey, George R.
- Dickey, John W.: *See*—
Parker, Leland C., McHenry, and Dickey.
- Dickey, John W., M. M. Henry, and T. K. Rigen, assignors to Bendix Aviation Corporation, Elmira, N. Y. Electrically actuated pump. 2,458,770, Jan. 11.
- Dickey, John W., Newfield, and N. S. Trout, Jr., Elmira, N. Y., assignors to Bendix Aviation Corporation. Electromagnetic pump. 2,472,067, June 7.
- Dickey, John W., and M. M. Henry, Elmira, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Electromagnetic pump. 2,474,349, June 28.
- Dickey, John W., and M. M. Henry, Elmira, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Fluid pump. 2,488,384, Nov. 15.
- Dickey, Joseph B.: *See*—
Coover, Harry W., Dickey, and Towne.
McNally, James G., and Dickey.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of 2-acylamino-1,3-butadienes and vinyl compounds. 2,458,355, Jan. 4.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds containing a 2,2,2-trifluoroethylamino group. 2,466,008, Apr. 5.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds containing a 2,2-difluoroethylamino group. 2,466,009, Apr. 5.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Methylene malononitrile and vinyl acetate copolymer. 2,466,395, Apr. 5.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. 6-membered heterocyclic compounds. 2,466,396, Apr. 5.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monoazo heterocyclic compounds. 2,466,397, Apr. 5.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monoazo dye compounds containing a butadiene-1,3 grouping. 2,469,682, May 10.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. N-(4,5-dihydroxy-n-amy) and n-(4,5-diacyloxy-n-amy) aromatic amines. 2,472,575, June 7.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Polymers of alpha-fluoromethyl acrylic acid esters. 2,472,811, June 14.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Esters of alpha-fluoromethyl acrylic acids. 2,472,812, June 14.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Polymers of n-acylaminoalkyl-acrylamide compounds. 2,478,378, Aug. 9.
- Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monoazo compounds. 2,491,481, Dec. 20.
- Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Polymers of alpha-fluoroacetoxy-acrylonitrile compounds. 2,464,120, Mar. 8.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Nitrodiphenylamine compounds containing a sulfamyl group. 2,466,010, Apr. 5.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Nitrodiphenylamine compounds containing a di-substituted sulfamyl group. 2,466,011, Apr. 5.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of esters of acids of phosphorus. 2,466,393, Apr. 5.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of esters of acids of phosphorus. 2,466,394, Apr. 5.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo dye. 2,470,094, May 17.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Diphenylamine compounds. 2,470,095, May 17.
- Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Alpha-fluoromethyl styrenes and polymers thereof. 2,475,423, July 5.
- Dickey, Joseph B., and T. E. Stanin, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of n-alkylsulfonyl- and n-arylsulfonyl-vinylamines. 2,475,424, July 5.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of esters of acids of phosphorus. 2,478,377, Aug. 9.
- Dickey, Joseph B., A. Loria, and E. B. Towne, assignors to Eastman Kodak Company, Rochester, N. Y. 1,4-diamino-2-halogenanthraquinone compounds. 2,487,045, Nov. 8.
- Dickey, Joseph B., T. E. Stanin, and H. W. Coover, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Solutions of polymers of acrylonitrile. 2,487,859, Nov. 15.
- Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of esters of acids of phosphorus. 2,490,748, Dec. 6.
- Dickey, Lewis H., Milton, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Automatic stop-control device. 2,465,210, Mar. 22.
- Dickey, Paul S.: *See*—
Bailey, Ervin G., and Dickey.
Barnard, Clayton H., and Dickey.
- Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,471,728, May 31.
- Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Pressure responsive mechanism for pressure measuring apparatus. 2,489,123, Nov. 22.
- Dickey, Paul S., East Cleveland, and J. F. Shannon, Euclid, Ohio, assignors to Bailey Meter Company. Fluid rate of flow measuring apparatus. 2,459,689, Jan. 18.
- Dickey, Paul S., East Cleveland, and A. J. Hornfeck, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Control system. 2,491,606, Dec. 20.
- Dickey, Ralph L., and H. M. Beatty, Shaker Heights, assignors to The Kelley Island Lime and Transport Company, Cleveland, Ohio. Concrete floor construction. 2,484,695, Oct. 11.
- Dickle, John A.: *See*—
Efromson, Philip C., and Dickie.
- Dickeson, Alton C., Mountain Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control system. 2,460,075, Jan. 25.
- Dickinson, Albert G., assignee: *See*—
Kenyon, Bertrand F.
- Dickinson, Arthur H.: *See*—
Lake, Clair D., Durfee and Dickinson.
- Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Accounting apparatus. 2,461,412, Feb. 8.
- Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Record feeding machine. 2,464,561, Mar. 15.
- Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Electrical item comparing system. 2,484,081, Oct. 11.
- Dickinson, Edna V., assignee: *See*—
Bruen, George C.
- Dickinson, Ernest G., Olcott, and J. C. Parkin, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Litter installation for vehicles. 2,473,364, June 14.
- Dickinson, Ingram, assignor to Southern Belting Company, Atlanta, Ga. Manufacture of leather belting. 2,484,937, Oct. 18.
- Dickinson, Norman L., Basking Ridge, assignor to The M. K. Kellogg Company, Jersey City, N. J. Process and apparatus for the synthesis of organic compounds. 2,481,089, Sept. 6.
- Dickinson, Richard H., Old Windsor, assignor to Hygro-equipments Limited, London, England. Pump. 2,409,118, Dec. 6.
- Dicks, Byron R., Indianapolis, Ind. Multiple pulley mount. 2,464,077, Mar. 8.
- Dickson, Earl N., Mishawaka, Ind. Automobile door latch. 2,490,213, Dec. 6.
- Dickson, James J., Dayton, Ohio. Emergency arresting device for aircraft. 2,475,597, July 12.
- Dickson, James T.: *See*—
Cook, James G., Dickson, Lowe, and Whinfield.
Whinfield, John R., and Dickson.
- Dickson, James T., Tranent, East Lothian, Scotland, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacture of highly polymeric substances. 2,465,150, Mar. 22.
- Dickson, Thomas A., assignor to Colorado Iron Works Company, Denver, Colo. Pulp screening apparatus. 2,463,526, Mar. 8.
- Dictaphone Corporation, assignee: *See*—
Hossmeyer, Charles L.
Brubaker, George P.
Franz, Frederick.
Roberts, Frederick W., and Trevitt.
Rowe, Richard G., and Bona.
Trevitt, John H.
- Dictograph Products Company, Inc., assignee: *See*—
Albrecht, Jacob W.
Koch, Henry.
Osserman, Harold A.
- Dicus, Charles M., Waynesville, N. C. Form for building concrete structures. 2,480,840, Sept. 6.
- Didato, Thomas F., Middlesex, N. J. Staple setting machine. 2,472,469, June 7.
- Diebel, Henry S., Downey, assignor to G. G. Bakewell, Pasadena, Calif. Hydraulically controlled hinge. 2,490,258, Dec. 6.
- Diebold, Eduard, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electromagnetic reciprocating motor. 2,471,729, May 31.
- Diebold, George L., assignor to Venus Foundation Garments, Inc., Chicago, Ill. Detachable crotch undergarment. 2,464,121, Mar. 8.
- Diebold, Incorporated, assignee: *See*—
Bescherer, Palmer.
Miller, Karl H.
Miller, Karl H., and Magaw.

- Dieckmann, Albert, Normandy, assignor to Wagner Electric Corporation, St. Louis, Mo. Dual brake adjusting mechanism. 2,471,865, May 31.
- Diedrich, Clayton H.: *See*—
White, Glen L., and Diedrich.
- Diedrich, Paul: *See*—
Fox, Hermann, Diedrich, and Dohrn.
- Diehl, Donald A.: *See*—
Cahusac, Clarence N., and Diehl.
- Diehl, Russell C., Baltimore, Md. Laminated wooden bowling pin. 2,471,316, May 24.
- Dieke, Gerhard H., Baltimore, Md. Oscillographic method of and system for spectrographic analysis. 2,480,636, Aug. 30.
- Diemer, Gesinus: *See*—
Jonker, Johan L. H., and Diemer.
- Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube. 2,464,562, Mar. 15.
- Diemer, Gesinus, assignor to N. V. Philips, Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 2,476,961, July 26.
- Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Piezoelectrical apparatus. 2,488,586, Nov. 22.
- Diener, Charles H., Pottstown, Pa. Lawn mower. 2,467,195, Apr. 12.
- Dienstbach, Carl, Long Island City, assignor to Dienstbach Ground Speed Indicator, Inc., New York, N. Y. Scanning mirror navigational instrument for automatically affording direct indications of the ground speed and drift of aerial vehicles. 2,465,957, Mar. 29.
- Dienstbach Ground Speed Indicator, Inc., assignee: *See*—
Dienstbach, Carl.
- Diepstraten, Gerardus A. M.: *See*—
Pressel, Otto and Diepstraten.
- Diericks, Walter C., Lake Worth, Fla. Table and chair combination. 2,461,683, Feb. 15.
- Diericks, Walter C., Lake Worth, Fla. Dinette set. 2,461,684, Feb. 15.
- Diesel Oil Burner Corporation of New York, assignee: *See*—
Berger, Jack.
- Dieter, Curtis E.: *See*—
Lynn, George E., and Dieter.
- Dieter, George M.: *See*—
Green, Theodore E., Dieter, and Piercey.
- Dietrich, Robert W.: *See*—
Tucker, Warren R., and Dietrich.
- Dietert, Harry W., Detroit, Mich. Instrument for testing density of materials. 2,463,159, Mar. 1.
- Dietler, Hans, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Combined gas producer and gas turbine plant. 2,488,969, Nov. 22.
- Dietmann, Paul W.: *See*—
Ekstrom, Gunnar, and Dietmann.
- Dietrich, Karl L., Jr.: *See*—
Hess, Frederic O., Miller, and Dietrich, Jr.
- Dietrich, Melvin A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of artificial fibers. 2,467,196, Apr. 12.
- Dietrich, Robert L., Midland, and R. W. Williams, Shepherd, assignors to The Dow Chemical Company, Midland, Mich. Lubricant composition. 2,486,130, Oct. 25.
- Dietrich, William C.: *See*—
Van Atta, George R., and Dietrich.
- Dietz, Albert E., assignor of one-half to E. J. Biggins, Washington, D. C. Tobacco pipe. 2,468,359, Apr. 26.
- Dietz, Herbert J.: *See*—
Graham, Charles L., and Dietz.
- Dietz, Herman, Astoria, N. Y. Coffee-making device. 2,267,817, Apr. 19.
- Dietz, Herman, Astoria, N. Y. Precision chuck. 2,463,857, Mar. 8.
- Dietz, R. E., Company, assignee: *See*—
Knapp, George A.
- Dietz, William C. F., Cincinnati, Ohio. Collapsible baby bed. 2,485,436, Oct. 18.
- Dietz, William H., Pittsburgh, Pa. Illuminated world globe. 2,492,691, Dec. 27.
- Dietzgen, Eugene, Co., assignee: *See*—
Halstead, Laban R.
- Dietzler, Andrew J., assignor to The Dow Chemical Company, Midland, Mich. 4,4'-isopropylidene bis-(2-isopropyl-phenol). 2,482,748, Sept. 27.
- Differential Wheel Corporation, assignee: *See*—
Tolma, Charles P.
- Di Filippo, Abramo, Silver Spring, Md. Sterilizer for barbers' implements. 2,462,475, Feb. 22.
- Di Filippo, Abramo, Silver Spring, Md. Sanitary sterilizer for barbers' strops. 2,480,003, Aug. 23.
- Digby, Calvin A., Atlanta, Ga. Adjustable blind for windows. 2,485,263, Oct. 18.
- Digby, Emmett B., Atlanta, Ga. Machine for picking feathers from fowls. 2,470,151, May 17.
- Digby, Emmet B., Atlanta, Ga. Machine for automatically removing the feathers from fowl. 2,472,468, June 7.
- Di Geronimo, Armand, Ozone Park, N. Y. Bottle cap remover. 2,461,040, Feb. 8.
- Di Giacomo, Louis P.: *See*—
Maynard, Ernest W., and Di Giacomo.
- Di Giorgio, Philip A., and A. E. Newkirk, Schenectady, N. Y., assignors to General Electric Company. Resolution of constant boiling mixtures of chlorosilanes. 2,485,366, Oct. 18.
- Di Giovanni, Joseph, Fairview, N. J., assignor to United Elevator Service, Inc., New York, N. Y. Selector mechanism. 2,489,124, Nov. 22.
- Di Girolamo, Michael, assignee: *See*—
Caccia, Pia.
- Digman, John E., Takoma Park, and C. S. Davis, West Hyattsville, Md. Electric knife switch. 2,481,829, Sept. 13.
- Di Gregorio, Antonio P., U. S. Army, Washington, D. C. Typing reperforator. 2,482,103, Sept. 20.
- Di Ienno, John: *See*—
Stuber, Walter J., and Di Ienno.
- Dijksterhuis, Pieter H.: *See*—
Dorsman, Cornelis, and Dijksterhuis.
- Di Joseph, John, Philadelphia, Pa. Pipe cleaning power cable feeder. 2,468,490, Apr. 26.
- Dike, Sheldon H., Ventnor, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugal delay switch. 2,458,467, Jan. 4.
- Dike, Sheldon H., Ventnor, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Detonator safety device. 2,485,817, Oct. 25.
- Dildilian, Ara T., Suffield, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile carpet strip with a sponge rubber backing and making same. 2,480,004, Aug. 23.
- Dildine, William H.: *See*—
Dwyer, Theodore H., and Dildine.
- Dilg, Walter C.: *See*—
Munro, George R., and Dilg.
- Dilks, James J., Haddon Heights, N. J. Picture viewing device. 2,467,014, Apr. 12.
- Dill, Gilbert D., South Bend, Ind., assignor to American Wheelabrator & Equipment Corporation. Abrasive cleaning system. 2,465,360, Mar. 29.
- Dill, Gilbert D., South Bend, assignor to American Wheelabrator & Equipment Corporation, Mishawaka, Ind. Lining for blast cabinets and the like. 2,478,153, Aug. 2.
- Dill Manufacturing Company, The, assignee: *See*—
Crowley, John C.
Marcum, James H.
- Dillehay, Edward R., Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio. Rubber coated resin saturated sheet and making the same. 2,464,783, Mar. 22.
- Dillehay, Edward R., Glen Ellyn, and R. D. Schuetz, Chicago, Ill., assignors to The Richardson Company, Lockland, Ohio. Furfuryl alcohol resin and making the same. 2,461,882, Feb. 15.
- Dillenz, William J., Philadelphia, Pa. Fastener. 2,459,020, Jan. 11.
- Dilley, William, Cleveland, Ohio. Industrial safety shield. 2,491,957, Dec. 20.
- Dillingham, Morgan V., Lee's Summit, Mo. Material conveyer for vehicles. 2,464,217, Mar. 15.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Speed and altitude responsive control for aircraft heaters. 2,466,582, Apr. 5.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Trip mechanism. 2,466,583, Apr. 5.
- Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic expansion valve. 2,472,149, June 7.
- Dillon, Annie L., and M. G. Raleigh, N. C. Ornamental device. 2,478,864, Aug. 9.
- Dillon, John J., Needham, and M. Needle, Chelsea, Mass. Backing or chill ring. 2,472,523, June 7.
- Dillon, Orel E.: *See*—
Marks, Ben D., and Dillon.
- Dillon, Mary G.: *See*—
Dillon, Annie L., and Mary G.
- Dillon, Robert, assignee: *See*—
Gerweck, Cyril A., and Scheid.
- Dillow, Noel E., Schenectady, N. Y., assignor to General Electric Company. Ground-fault neutralizer by-pass switch reopening equipment. 2,485,367, Oct. 18.
- Di Lorenzo, John, assignor of three-tenths to L. Di Lorenzo, Jeannette, Pa. Window fixture. 2,461,316, Feb. 8.
- Di Lorenzo, Louis, assignee: *See*—
Di Lorenzo, John.
- Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Heating and ventilating system. 2,474,394, June 28.
- Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Lubricating oil conditioner. 2,476,405, July 19.
- Dilworth, Thomas B., Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich. Piston. 2,463,025, Mar. 1.
- Dilworth, Thomas B., Clarendon Hills, Ill., assignor to General Motors Corporation, Detroit, Mich. Temperature control for engine cooling systems. 2,476,406, July 19.
- Di-Met Proprietary Limited, assignee: *See*—
Nightingall, Victor C. J.
- Dimick, Henry N., assignor to Willamette Hyster Company, Portland, Oreg. Self-aligning bearing. 2,464,492, Mar. 15.

- Dimick, Keene P., Redwood City, G. Alderton, Albany, and J. C. Lewis, Berkeley, Calif., and H. D. Lighthbody and H. L. Fevold, Chicago, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Extraction and purification of subtilin. 2,459,139, Jan. 18.
- Dimick, Keene P., Redwood City, Calif., J. J. Stubbs, Frederick, Md., J. A. Garibaldi, San Francisco, Calif., H. D. Lighthbody and H. L. Fevold, Chicago, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Purification of subtilin. 2,476,085, July 12.
- Dimling, Edwin C., Flushing, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Display fixture. 2,480,637, Aug. 30.
- Dimmick, Glenn L., Haddon Heights, N. J., assignor to Radio Corporation of America. Photographic sound recording system and aperture plate therefor. 2,468,049, Apr. 26.
- Dimmick, Glenn L., Haddon Heights, N. J., assignor to Radio Corporation of America. Galvanometer with resilient damper. 2,492,275, Dec. 27.
- Dimmick, Glenn L., Haddon Heights, N. J., assignor to Radio Corporation of America. Electromagnetic sound-powered telephone. 2,474,197, June 21.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Producing hardened optical coatings by electron bombardment. 2,465,713, Mar. 29.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Negative-positive recording method and system. 2,468,047, Apr. 26.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Photographic sound recording system and monitoring arrangement therefor. 2,468,048, Apr. 26.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Photometric measurement of light values using automatic gain control in photomultiplier tubes. 2,474,098, June 21.
- Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Apparatus for selective vapor coating. 2,482,329, Sept. 20.
- Dimmick, Howard S., and F. S. Jenkins, Philadelphia, Pa. Device for locating faults in cables. 2,471,417, May 31.
- Dimmick, Lawrence L., Haddon Heights, N. J., assignor to Radio Corporation of America. Crystal mounting. 2,482,661, Sept. 20.
- Dimmock, Charles A., Jr., Springfield, Mass. Apparatus for scribing circles on cylindrical members. 2,474,041, June 21.
- Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit for slow-releasing relays. 2,489,017, Nov. 22.
- Di Monico, George S.: *See—*
Leathers, Ward and Di Monico.
- Dimpf, Ludwig H., and W. E. Elwell, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Chlorinated wax-polystyrene composition. 2,469,107, May 3.
- Dinesen, Laurits, assignor to Perfection Manufacturing Corporation, Minneapolis, Minn. Stall cock. 2,468,618, Apr. 26.
- Dinesen, Laurits, Minneapolis, Minn. Teat cup. 2,484,696, Oct. 11.
- Dinesen, Laurits, assignor to Perfection Manufacturing Corporation, Minneapolis, Minn. Pulsator for milking machines. 2,489,563, Nov. 29.
- Dinger, Fred K., Chisholm, Minn. Wall table structure. 2,470,343, May 17.
- Dingerson, Oscar W., Berwyn, Ill. Knife sharpener. 2,484,335, Oct. 11.
- Dingley, John C., Rexburg, Idaho, assignor of one-half to S. J. Morris, Pacoima, Calif. Segmental box-type wrench with pivoted levers. 2,484,492, Oct. 11.
- Dings Magnetic Separator Co., assignee: *See—*
Blind, Karl A.
- Dinon, Nathan, Caledonia, N. Y. Solenoid construction. 2,488,468, Nov. 15.
- Dinnick, George M., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding machine. 2,464,967, Mar. 22.
- Dinsley, Alfred, La Canada, Calif. Carnivorous fish repellent. 2,468,394, Apr. 26.
- Dinsley, Alfred, La Canada, Calif. Sequentially depositing reactive solutions to form an insecticide. 2,469,433, May 10.
- Dinzi, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,462,308, Feb. 22.
- Dion, Exslor, Lincoln, R. I. All-purpose work holder for drills and the like. 2,471,940, May 31.
- Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Control for axminster loom tube frame conveyor systems. 2,469,717, May 10.
- Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector. 2,486,009, Oct. 25.
- Dion, Raymond F., Leominster, and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Motor-driven letoff for looms. 2,465,071, Mar. 22.
- Di Petta, Angelo R., Lakewood, Ohio. Humidifier for air-heating furnaces. 2,458,064, Jan. 4.
- Di Pietro, Carmelo V., Birmingham, Mich. Mixing faucet. Re. 23,109, May 10.
- Dirand, Louis J., New York, N. Y., assignor of one-half to I. F. Mills. Massaging roller. 2,461,413, Feb. 8.
- Dirckx, Rudolph H., Dayton, Ohio. Educational device. 2,491,164, Dec. 13.
- Director, Murray: *See—*
Bernstein, Irving, and Director.
- Di Renna, Trent M., East Orange, N. J. Flexible deflector for exhaust pipes of automobiles and the like. 2,466,307, Apr. 5.
- Di Renzo, Alfred, Passaic, N. J. Chair. 2,473,745, June 21.
- Dirksen, Ole A., Spencer, Iowa. Post driver. 2,487,530, Nov. 8.
- Di Salino, Marco, New York, N. Y. Vegetable washer. 2,466,158, Apr. 5.
- Di Santi, Thomas G., Newark, N. J. Scaffold. 2,469,716, May 10.
- Disbennet, Donald C., Philo, Ohio. Die. 2,476,359, July 19.
- Discher, Edward W., Milwaukee, Wis. Bowling ball return runway. 2,482,250, Sept. 20.
- Dishal, Milton, Forest Hills, and J. S. Le Grand, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Push-pull system. 2,462,849, Mar. 1.
- Display Lighting Incorporated, assignee: *See—*
Price, Edison A.
- Disposable Bottle Corp., assignee: *See—*
Allen, Adda M., and Van Evera.
- Dispos-A-Tube, Inc., assignee: *See—*
Pohl, Herman L.
- Dissinger, Clarence F., La Grange, Ill. Hand position guide for bowed-string instruments. 2,477,365, July 26.
- Dissinger, Ira E., assignee: *See—*
Pendleton, Ernest E., and League.
- Disston, Henry, and Sons, Inc., assignee: *See—*
Entwisle, John M.
- Distillation Products, Inc., assignee: *See—*
Bancroft, George H., and Nagel.
Baxter, James G.
Baxter, James G., Stern, and Weisler.
Hickman, Kenneth C. D.
Hickman, Kenneth C. D., and Weisler.
Koonce, Samuel, and Perry.
Meng, Karl H.
Weisler, Leonard.
Weisler, Leonard, and Chechak.
- Distillers Company, Limited, The, assignee: *See—*
Bramwyche, Peter L., and Mugdan.
Cleverdon, Desmond, and Staudinger.
Duval, Bruce, and Elce and Tuerck.
Galitzenstein, Eugen G., and Woolf.
Staudinger, Hanns P., and Faulkner.
Staudinger, Hanns P., Faulkner, and Cooke.
- Di Stiso, Carmine C., Waterbury, Conn. Pinup vanity case holder. 2,491,166, Dec. 13.
- Disto Corporation, assignee: *See—*
Trainer, Foster J.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,468,184, Apr. 26.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Weathertight construction for sliding car doors. 2,477,119, July 26.
- Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door lock. 2,478,688, Aug. 9.
- Ditto, Incorporated, assignee: *See—*
Bergsten, Charles A.
Camphouse, John J.
Erickson, Andrew L.
Levenhagen, Arthur J., and Champion.
Little, Alfred E.
Paulsen, Christian.
Peterson, Eric W., and Camphouse.
Tatze, Robert W.
- Ditson, J. D.: *See—*
Bancel, Paul A., Ditson, and Karr.
- Ditzler, Hugh W., assignee: *See—*
Douglas, Luther A.
- Diversey Corporation, The, assignee: *See—*
Hawley, Thomas G., Jr., Kummer, and Barnes.
- Diversified Designing & Machine Products Incorporation, assignee: *See—*
Williams, Eugene D.
- Diving Equipment and Supply Co., assignee: *See—*
Browne, Jack.
- Di Vita, Sam, Long Branch, N. J. Bonded terminal. 2,466,012, Apr. 5.
- Di Vita, Samuel and J. H. Krajewski, Long Branch, N. J. Transformer. 2,464,218, Mar. 15.
- Divoll, Richard L., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Altitude control. 2,474,618, June 28.
- Dix, James S., Mount Airy, N. C. Yarn package support. 2,483,490, Oct. 4.
- Dix, Russell L., assignee: *See—*
Burden, Royal L.
- Dix, Tira Q., assignee: *See—*
Burden, Royal L.

- Dixon, Alfred B., Wilcoe, W. Va. Attachment for electric hand drills. 2,481,578, Sept. 13.
- Dixon, Edward C., Rocky River, and W. E. Chilton, assignors to Continental Hospital Service, Inc., Lakewood, Ohio. Air-conditioned canopy. 2,463,090, Mar. 1.
- Dixon, George F., Cleveland, Ohio. Fastener. 2,492,559, Dec. 27.
- Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing pyrazine by catalytic dehydrogenation of piperazine. 2,474,781, June 28.
- Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Catalytic dehydrogenation of piperazine. 2,474,782, June 28.
- Dixon, John C., Sewell, N. J. Edge lighting unit. 2,461,532, Feb. 15.
- Dixon, John W., deceased, Indianapolis, Ind.; L. L. Dixon, administratrix. Routing and planing machine. 2,479,588, Aug. 23.
- Dixon, Joseph, Crucible Company, assignee: *See*—Hasselquist, Hugo S. Miller, Kay.
- Dixon, Louise L., administratrix: *See*—Dixon, John W.
- Dixon, Paul H., Rockford, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J. Inertia buffer. 2,490,787, Dec. 13.
- Dixon, Ralph Hilliard, Belleville, N. J. Cartridge firing attachment for air rifles. 2,469,870, May 10.
- Di Zazzo, Benedetti, Syracuse, N. Y. Barber comb. 2,481,403, Sept. 6.
- Di Zoppola, Mario, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Liquid cooler for air conditioning systems. 2,460,623, Feb. 1.
- Doan, John A., St. Louis, Mo. Heating stove and air feeding means therefor. 2,479,479, Aug. 16.
- Doba, Stephen, Jr., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Slant range computing circuit. 2,466,879, Aug. 12.
- Dobbs, Fred, assignee: *See*—Fitz, Charles L.
- Dobell, Curzon, New York, N. Y., assignor to Preload Enterprises, Inc., Cofferdam. 2,460,624, Feb. 1.
- Doble, Ralph N., Hingham, Mass. Weed puller. 2,492,035, Dec. 20.
- Doblin, Jay, Laurelton, N. Y., assignor to Schenley Industries, Inc. Nonrefillable cap for bottles. 2,476,587, July 19.
- Doblin, Percy W.: *See*—Ashworth, Handel, and Doblin.
- Dobratz, Elmer H., Clayton, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyl N-(ortho-bicyclohexyl)-carbamates. 2,483,693, Oct. 4.
- Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Flush valve. 2,472,576, June 7.
- Dobson, James R., assignee: *See*—Pharturos, Mary E.
- Dobson, James, Manchester, England, W. C. Hutchison, and W. O. Kermack, Edinburgh, Scotland, assignors to Imperial Chemical Industries Limited. Pyridoacridines. 2,477,048, July 26.
- Dobson, James, Manchester, England, W. C. Hutchison, and W. O. Kermack, Edinburgh, Scotland, assignors to Imperial Chemical Industries Limited. Pyridoacridines. 2,477,049, July 26.
- Dobson, John E., Slippery Rock, Pa. Hoist hook. 2,476,847, July 19.
- Dockery Laboratories Co., assignee: *See*—Dockery, Nicholas W.
- Dockery, Nicholas W., assignor to Dockery Laboratories Co., Rockingham, N. C. Annular trough oil burner. 2,476,709, July 19.
- Dockstader, J. M., assignee: *See*—Young, Ellis H.
- Doctors Truss Company, assignee: *See*—Hollingsworth, Fred.
- Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,473,662, July 12.
- Dodd, Clarence L., Lindsay, Okla. Safe lock. 2,488,273, Nov. 13.
- Dodd, Marcus W.: *See*—Vaughan, Sam G., Grant, Altar, and Dodd.
- Dodd, Sidney A.: *See*—Main-Smith, John D., Dodd, Sim, Lyon, Hillier, and Earlicker.
- Dodds, Dan L., Texas City, Tex. Safety pin. 2,491,301, Dec. 13.
- Dodge, Carl, Maywood, Ill. Slicer with adjustable blade. 2,480,717, Aug. 30.
- Dodge, Adiel Y., Rockford, Ill. Speed responsive clutch. 2,464,675, Mar. 15.
- Dodge-Culp, Inc., assignee: *See*—Dodge, Wesley J.
- Dodge, Frederick G.: *See*—Croft, Cyril M., Bergeron, and Dodge.
- Dodge, George W., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Pulper. 2,485,368, Oct. 18.
- Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Vibration absorbing support. 2,461,969, Feb. 15.
- Dodge Manufacturing Corporation, assignee: *See*—Firth, David.
- Dodge, Merton L., Seattle, Wash. Belt shifting mechanism. 2,474,470, June 28.
- Dodge, Milton L., Newburyport, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe supporting form. 2,463,160, Mar. 1.
- Dodge, Milton L., Newburyport, Mass. Machine for shaping shoe end portions. 2,484,876, Oct. 18.
- Dodge, Milton L., Newburyport, Mass. Shoe upper molding machine. 2,484,877, Oct. 18.
- Dodge, Natalie A., Takoma Park, Md. Adapter for women's galoshes. 2,489,018, Nov. 22.
- Dodge, Ralph E., Clermont, Fla. Dispensing apparatus. 2,471,100, May 24.
- Dodge, Ralph E., Takoma Park, Md. Portable necktie rack. 2,459,417, Jan. 18.
- Dodge, Ralph E., Takoma Park, Md. Butter dispenser. 2,471,399, May 24.
- Dodge, Wesley J., Douglaston, N. Y., assignor to Dodge-Culp, Inc., Ridley Park, Pa. Knockdown play pen for children. 2,491,036, Dec. 13.
- Dodgington, Sven H. M., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse shape modifying circuit. 2,477,585, Aug. 2.
- Dodgington, Sven H. M., Nutley, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Sector antenna switching. 2,485,576, Oct. 25.
- Dodgington, Sven H. M., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio-frequency converting circuits. 2,489,273, Nov. 29.
- Dodgington, Sven H. M., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse translator. 2,492,137, Dec. 27.
- Dodson, Alfred M., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Cellulose bleaching. 2,478,379, Aug. 9.
- Dodson, Glenn F., San Jose, Calif. Package freezing machine. 2,478,465, Aug. 9.
- Dodson, Harry C., Los Angeles, assignor to Ice Cream Vending Corporation of America, Beverly Hills, Calif. Coin-controlled vending machine. 2,466,159, Apr. 5.
- Dodson, Nathan, Tulsa, Okla. Seatless toilet. 2,486,736, Nov. 1.
- Dodson, Perry A.: *See*—Smith, Louis H., and Dodson.
- Dodson, Raymond M.: *See*—King, Lafayette C., and Dodson.
- Dodson, Wayne E., Caldwell, N. J., assignor to General Electric Company, Unloader for reciprocating gas compressors. 2,458,933, Jan. 11.
- Dodson, Wayne E., Caldwell, N. J., assignor to General Electric Company. Low-temperature refrigerating system. 2,479,732, Aug. 23.
- Dodson, Wayne E., Caldwell, N. J., assignor to General Electric Company. Low-temperature refrigerating system and control therefor. 2,479,733, Aug. 23.
- Dodules, Louis, Washington, D. C. Cooking and frying device. 2,477,586, Aug. 2.
- Doe, Hans H., Milwaukee, Wis. Motor mounting. 2,467,296, Apr. 12.
- Doe, Hans H., Milwaukee, Wis. Ventilating apparatus. 2,467,297, Apr. 12.
- Doebeling, Walter C., Evansville, Ind. Tree holder. 2,485,819, Oct. 25.
- Doeg, Paul R.: *See*—Crocker, Arthur W., and Doeg.
- Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigeration charging and evacuation apparatus. 2,464,563, Mar. 15.
- Doeg, Ralph W., Highland Park, Mich. Weeder. 2,472,941, June 14.
- Doehler-Jarvis Corporation, assignee: *See*—Maier, Herbert N., and Pickering.
- Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Phenol aldehyde resins. 2,485,711, Oct. 25.
- Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Nitrophenyloxypolyalkoxyalkyl ether and a composition of it and a plasticizable organic substance. 2,485,712, Oct. 25.
- Doerfler, Louis, Passaic, N. J. Dressing tool. 2,484,404, Oct. 11.
- Doering, William von E.: *See*—Woodward, Robert B., and Doering.
- Doerr, Edna A., Pasadena, Calif. Crochet hook. 2,465,636, Mar. 29.
- Doerr, Elizabeth C., Newburgh, N. Y. Table attachment for automobile luggage compartments. 2,471,730, May 31.
- Doerr, Keith, assignor to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Hose coupling. 2,481,730, Sept. 13.
- Doerr, Raymond S.: *See*—Stinchcomb, Loid M., and Doerr.
- Doerrlamm, Otto A., Glendale, N. Y. Handcart. 2,466,160, Apr. 5.
- Doersam, Charles H., Jr., Palisade, N. J. Multiplying mechanism. 2,472,097, June 7.
- Dofsen, Floyd J., San Francisco, Calif. Metal player for sound record tape. 2,491,037, Dec. 13.

- Doggett, Roger H., Natick, and A. R. Johnson, Stoneham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Treatment of wool. 2,482,578, Sept. 20.
- Doherty, Herbert W.: *See—*
Watter, Michael, and Doherty.
- Doherty, William H., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio object location system. 2,471,264, May 24.
- Doherty, William H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bearing sweep amplifier circuit. 2,476,441, July 19.
- Dohl, Robert A., Rochester, N. Y., assignor to Commercial Controls Corporation. Platter and platter support for postal scales. 2,459,065, Jan. 11.
- Dohle, Frank P.: *See—*
Kendall, John D., and Doyle.
- Dohn, Charles W., Glendale, N. Y. Platenless typewriter. 2,460,813, Feb. 8.
- Dohrer, Francis J., Seattle, Wash. Air cleaner. 2,278,466, Aug. 9.
- Dohrn, Max: *See—*
Fox, Hermann, Diedrich, and Dohrn.
- Doiron, Francis A., Roxbury, Mass. Scallop shucking machine. 2,476,962, July 26.
- Dolan, Charles H., II, Old Greenwich, Conn. Shock absorber and stabilizer. 2,474,471, June 28.
- Dolaser, Vincent A., Saugus, Mass. Center punch. 2,480,399, Aug. 30.
- Dolberg, Charles E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Pulse radio echo distance indicator. 2,483,187, Sept. 27.
- Dolberg, Charles E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Grid-pulsed cavity oscillator. 2,483,337, Sept. 27.
- Dole, Robert S., Lewiston, Idaho. Volt-ampere demand limiter. 2,480,452, Aug. 30.
- Dole Valve Company, The, assignee: *See—*
Bauerlein, Carl C., and Jaskiewicz.
Chace, Thomas B.
Kempton, Leslie A.
Mikeska, Peter L.
Rosenblum, Robert A.
- Dolecam Corporation, assignee: *See—*
Wilson, John J.
- Dolezal, Emil, Butte, Mont. Egg cracker. 2,481,579, Sept. 13.
- Dolezal, Richard, Vitkovice, Czechoslovakia. Installation for the granulation of slag. 2,471,559, May 31.
- Dolian, Frank E., U. S. Army. Inhibited phosphoric acid solution. 2,482,104, Sept. 20.
- Doll, Frank A., assignor to Link Engineering Company, Detroit, Mich. Projection gauging device for piston rings and the like. 2,466,161, Apr. 5.
- Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Frequency stabilization of alternating current networks. 2,463,252, Mar. 1.
- Doll, Henri-Georges, Houston, Tex. Automatic control system for vehicles. 2,463,362, Mar. 1.
- Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Well surveying apparatus. 2,475,353, July 5.
- Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Well logging equipment. 2,475,354, July 5.
- Doll, Henri-Georges, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Positioning apparatus in bore holes. 2,476,137, July 12.
- Doll, Henri-Georges, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for locating predetermined levels in bore holes. 2,476,136, July 12.
- Dollinger Corporation, assignee: *See—*
Hasselwander, Claude F.
- Dolmetsch, Carl R., North Tarrytown, N. Y., assignor, by mesne assignments, to Celanese Corporation of America. Making continuous filament yarn. 2,462,950, Mar. 1.
- Dolnick, Arthur A., and M. Potash, assignors to Publicker Industries Inc., Philadelphia, Pa. Preparation of paraldehyde. 2,479,559, Aug. 23.
- Dolson, Oval E., Eldon, Mo. Combined salt-and-pepper shaker. 2,465,637, Mar. 29.
- Dolza, John, A. W. Gaubatz, P. W. Perish, and F. W. Kerfoot, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine controller. 2,491,482, Dec. 20.
- Dolza, John, and A. W. Gaubatz, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Scoop controlled fluid coupling. 2,491,483, Dec. 20.
- Dolza, John, and M. A. Trisler, Indianapolis, Ind., and C. R. Paton, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Water injection system. 2,491,484, Dec. 20.
- Domagall, Edward J., Peru, Ill. Receptacle for holding inflammable liquids. 2,474,934, July 5.
- Domanale Mlyn-Mantschappy, N. V., assignee: *See—*
Tromp, Klaas F.
- Dombrow, Bernard A., New York, and J. J. Miskel, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Plasticized compositions. 2,465,072, Mar. 22.
- Dombrow, Bernard A., New York, and J. J. Miskel, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Plasticized compositions. 2,465,073, Mar. 22.
- Dombrowiak, Joseph R., Portland, Ore. Passenger escape for vehicles. 2,469,159, May 3.
- Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Push-pull amplifier system. 2,485,369, Oct. 18.
- Domecki, Theodore T., Chicago, Ill. Soap dish. 2,491,002, Dec. 13.
- Domestic Industries, Inc.: *See—*
Hitzelhammer, Mathew.
- Domingo, Julian, Baltimore, Md. Disk projectile game apparatus. 2,482,404, Sept. 20.
- Dominguez, Rafael, assignee: *See—*
Hrabal, Eduard.
- Dominiak, Louis P., Grand Rapids, Mich. Skiing machine. 2,489,624, Nov. 29.
- Dominion Electrical Manufacturing, Inc., assignee: *See—*
Ziola, Henry A.
- Dominion Magnesium Limited, assignee: *See—*
Pidgeon, Lioud M. and McCatty.
- Dominion Textile Company, Limited, assignee: *See—*
Kershaw, John G.
Kershaw, John G., and Malone.
- Dominion Tar & Chemical Company Limited, assignee: *See—*
McKay, Arthur F.
- Domke, Edward A., assignor of twenty-four per cent to L. E. Riemer, twenty-four per cent to S. L. Piatkowski, Ann Arbor, and twenty-four per cent to H. E. Logan, East Ann Arbor, Mich. Load supporting roller. 2,473,868, June 21.
- Dommissie, Jan, and E. R. Matheson, Johannesburg, Transvaal, Union of South Africa. Alternating piston pump or prime mover. 2,491,607, Dec. 20.
- Donadio, Michael, Yonkers, N. Y. Signal mailbox. 2,480,288, Aug. 30.
- Donahue, Howard, Allais, Ky. Insulated cable and rope spooling device. 2,458,573, Jan. 11.
- Donahue, John S., Brookline, Mass., and G. E. Strehan, Leona, N. J., said Strehan, assignor to said Donahue. Column frame. 2,469,455, May 10.
- Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Waste and overflow fitting. 2,477,478, July 26.
- Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Pipe joint. 2,485,960, Oct. 25.
- Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Drain outlet and making same. 2,492,093, Dec. 20.
- Donal, John S., Jr., B. B. Brown, and C. L. Cuccia, Princeton, N. J., assignors to Radio Corporation of America. Electron discharge device for high-frequencies. 2,465,211, Mar. 22.
- Donald, Forrest V., Milwaukee, assignor to Simplicity Manufacturing Company, Port Washington, Wis. Tractor hitch. 2,489,274, Nov. 29.
- Donaldson Company, Inc., assignee: *See—*
Dahlstrom, Richard E.
- Donaldson, Eames and W. J. Johnson, assignors to J. H. Williams & Co., Buffalo, N. Y. Coupling. 2,464,381, Mar. 15.
- Donaldson, Jack D., Mineral, Wash. Vehicle scale. 2,490,860, Dec. 13.
- Donaldson, Jefferson R., and N. M. Hulse, assignors of thirty-three and one-third per cent to D. E. Carter, Dallas, Tex. Bottle vending machine. 2,473,054, June 14.
- Donaldson, John R., Ventura, Calif. Plug valve. 2,461,041, Feb. 8.
- Donato, Giuseppe, Philadelphia, T. H. Broomall, Media, Pa., trustee of said G. Donato, bankrupt. Fountain pen. 2,480,718, Aug. 30.
- Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cooking unit. 2,457,877, Jan. 4.
- Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Combination oven unit. 2,478,253, Aug. 9.
- Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Serving wagon. 2,478,254, Aug. 9.
- Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Wall structure. 2,490,259, Dec. 6.
- Donia, Robert A., Houghton, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vinyl chloride resin compositions containing imidazolidines. 2,476,832, July 19.
- Doniger, Sundel, New York, N. Y. Knife with detachable blade. 2,463,682, Mar. 8.
- Doniger, Sundel, New York, N. Y. Tool. 2,465,433, Mar. 29.
- Donley, Carson O., assignor to Vertiflite, Inc., Indianapolis, Ind. Helicopter power and control mechanism. 2,473,331, June 14.
- Donnell, Don R., Los Angeles, Calif. Attachment for printing presses. 2,481,090, Sept. 6.
- Donnenwirth, Harold A.: *See—*
Geiger, George M., and Donnenwirth.

- Donner, Vern P., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Hydraulic fitting. 2,481,404, Sept. 6.
- Donner, Verne P., East Aurora, N. Y., assignor to Curtiss-Wright Corporation. Fitting for transparent tubes. 2,461,414, Feb. 8.
- Donner, Verne P., Palatine, assignor to Mid-Continent Metal Products Co., Chicago, Ill. Coupling. 2,477,969, Aug. 2.
- Donogh, Andrew L., Brandon, Manitoba, Canada. Chaff and straw receiver and cocker. 2,482,160, Sept. 20.
- Donoghue, Florence F.: See—
- Rogers, Leonard M., and Donoghue.
- Donohue, John F., Philadelphia, Pa. T square gauge. 2,462,075, Feb. 22.
- Donovan, Albert E., Laniel, Quebec, Canada. Safety razor and blade sharpener. 2,458,257, Jan. 4.
- Donovan, Alfred F., Boston, assignor to E. T. Wright & Co., Incorporated, Rockland, Mass. Machine for operating on sole parts. 2,472,524, June 7.
- Donovan, Lewis B., White Plains, assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Apparatus for painting gas holders. 2,462,368, Feb. 22.
- Donovick, Richard: See—
- Rake, Geoffrey W., Koerber, and Donovick.
- Dooley, Harry H.: See—
- Wallhausen, Clarence W., and Dooley.
- Wallhausen, Clarence W., Dooley, and Carroll.
- Doolin, Earl B., Dallas, Tex. Package sealing machine. 2,477,968, Aug. 2.
- Doose, Otto, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 2,461,634, Feb. 15.
- Doran, Alfred A., assignee: See—
- Golden, Sue.
- Doran Brothers Incorporated, assignee: See—
- Schultze, Paul.
- Doran, Lafayette, Scranton, Pa. Reversible bearing. 2,474,728, June 28.
- D'Orazi, Anthony A., Spokane, Wash. Device for enlarging pictures. 2,472,148, June 7.
- Dore, Evelyn, Bronx, N. Y. Electric lamp. 2,485,530, Oct. 18.
- Doré, Hermas, Montreal, Quebec, Canada. Reversible transmission. 2,485,867, Oct. 25.
- Dore, Robert F., Los Angeles, and G. L. Chrisope, Glendale, Calif. Drum structure for ring and roll mills. 2,478,467, Aug. 9.
- Doremus, John A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Air Beam, Inc., Newton, Mass. Induction motor servo system. 2,473,791, June 21.
- Dorey, George B., Westmount, Quebec, Canada. Resilient connection for brake rods and the like. 2,461,633, Feb. 15.
- Dorey, George B., Westmount, assignor to Malinguys Limited, Montreal, Quebec, Canada. Electric power plant. 2,476,086, July 12.
- Dorey, Horace V., Cambridge, and R. F. Symonds, Marblehead, assignors to New England Trawler Equipment Co., Chelsea, Mass. Capstan. 2,464,493, Mar. 15.
- Dorfan, Morton I., Pittsburgh, Pa., assignor to American Wheelabrator & Equipment Corporation. Dust collector for shuttle feed conveyers. 2,472,053, May 31.
- Dorfman, Hiller D., Forest Hills, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,453,151, Jan. 4.
- Dorfman, Hiller D., Pittsburgh, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,459,629, Jan. 18.
- Dorfman, Robert S., Brooklyn, assignor to Robert Cecil Co., Inc., Flushing, N. Y. Mechanical pencil. 2,491,254, Dec. 13.
- Dorgelo, Eduard G., and H. J. Lemmens, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube and seal therefor. 2,478,573, Aug. 9.
- Dorgelo, Eduard G., and H. J. Lemmens, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing bodies consisting of a core of chrome-iron or a similar chromium alloy and of a thin layer adapted to form a metal to glass seal. 2,480,453, Aug. 30.
- D'Orio, Pat A., Oak Park, assignor to Belmont Radio Corporation, Chicago, Ill. Making electrical coils. 2,489,867, Nov. 29.
- Dorjee, Hendrik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Telephone key with bisecting plate. 2,485,818, Oct. 25.
- Dorman & Smith Limited, assignee: See—
- Atherton, Thomas, and Ryder.
- Dorman, Stephen C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Insecticidal composition containing chlorallimines. 2,468,592, Apr. 26.
- Dorman, Stephen C., Modesto, assignor to Shell Development Company, San Francisco, Calif. Trihaloalkylideneamines and their preparation. 2,468,593, Apr. 26.
- Dorman, Stephen C., Berkeley, and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Insecticidal composition containing an aromatic unsaturated carbonyl compound. 2,465,854, Mar. 29.
- Dorman, Stephen C., and S. A. Ballard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Arylidene alicyclic ketone insecticide. 2,465,855, Mar. 29.
- Dormeyer Corporation, assignee: See—
- Kennedy, Verne C.
- Dormitzer Electric & Manufacturing Corporation, assignee: See—
- Spinks, James M.
- Dornbos, Leo J.: See—
- Salmons, George C., and Dornbos.
- Dornbush, Herbert W., McCandless, Township, Allegheny County, assignor to Pennsylvania Transformer Company, Pittsburgh, Pa. Making wound transformer cores. 2,489,625, Nov. 29.
- Dornfeld, Edmund G., Barrington, N. J., assignor to Radio Corporation of America. Specimen holder for electron optical instruments. 2,464,382, Mar. 15.
- Dornie, Ralph W., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Catalyst complexes for alkylation processes. 2,477,290, July 26.
- Dornvan Corporation, The, assignee: See—
- Van Dorn, Herbert E.
- Dorr Company (Inc.), The, assignee: See—
- Campbell, Robert C.
- Swenson, Walter R.
- Dorr Company, The, assignee: See—
- Allen, Clifton H.
- Coulter, Harold B.
- Fischer, Anthony J.
- Haagensen, Edward A.
- Heath, Thomas D.
- Knight, Cyril H.
- Roberts, Elliott J.
- Thompson, James V.
- Warren, George T., and Jordan.
- White, Frank S.
- Dorr, Gilbert G., Nashville, Tenn., assignor to American Telephone and Telegraph Company. Type pallet aligning jig. 2,474,658, June 28.
- Dorr, Joseph P., assignor to Capital Tool & Manufacturing Company, Washington, D. C. Ink fountain for printing presses. 2,479,103, Aug. 16.
- Dorrington, Neil E., and J. A. Dyker, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Apparatus for packaging material. 2,469,954, May 10.
- Dorschner, Leland E., assignor of one-half to R. L. Herbst, Appleton, Wis. Foldable chair. 2,468,491, Apr. 26.
- Dorsky, Julian, G. W. Mattson, and C. M. Neher, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Apparatus for chlorination processes. 2,458,691, Jan. 11.
- Dorsman, Cornelis, and P. H. Dijksterhuis, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase comparator comprising an alternating current bridge circuit. 2,481,912, Sept. 13.
- Dorst, Stanley O.: See—
- Robinson, Preston, and Dorst.
- Dort, Robert G., Summit, N. J., assignor to Celanese Corporation of America. Fluorescent red cellulose acetate fibers. 2,457,808, Jan. 4.
- Dort, Russell L.: See—
- Andrews, Norman F., and Dort.
- Dortort, Isadore K., Milwaukee, Wis. Differential gearing. 2,463,091, Mar. 1.
- Dosé, Robert G., United States Navy, Chevy Chase, Md. Automatic skid corrector. 2,461,533, Feb. 15.
- Dosker, Cornelius D., assignor to Gamble Brothers, Louisville, Ky. Adjustable jig for manufacturing laminated timbers. 2,472,006, May 31.
- Dosne, René E., and F. R. Charles, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Making rayon filaments. 2,479,218, Aug. 16.
- Dosser, Robert C.: See—
- Britton, Joseph W., and Dosser.
- Dotsch, Fritz, White Plains, N. Y. Reel. 2,464,676, Mar. 15.
- Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Record verifying machine. 2,475,315, July 5.
- Doty, Chester C., Dunkirk, N. Y. Window shade and curtain fixture. 2,480,360, Aug. 30.
- Doty, Clifford B., assignor to Briggs Manufacturing Company, Detroit, Mich. Weather stripping. 2,466,935, Apr. 12.
- Doub, Leonard, assignor to Parke, Davis & Company, Detroit, Mich. Cellulosic products. 2,474,306, June 28.
- Doub, Leonard, Detroit, and L. L. Bambas, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Preparing pterin compounds. 2,476,360, July 19.
- Double, Peter T., Ladysmith, British Columbia, Canada. Locking means for oil barrels. 2,462,951, Mar. 1.
- Double, Walter F., Willoughby, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Tandem bogie assembly. 2,479,327, Aug. 16.
- Double, Walter F., Wickliffe, S. F. Armington, Willoughby, and R. Q. Armington, Shaker Heights, assignors to The Euclid Road Machinery Co., Cleveland, Ohio. Tandem axle construction. 2,472,813, June 14.

- Doubrava, Eugene N., assignor to Thompson Products, Inc., Cleveland, Ohio. Coupling. 2,458,899, Jan. 11.
- Doucette, Adrian R., Swissvale, and P. E. Lorentzen, Pittsburgh, assignors to The Union Switch and Signal Company, Swissvale, Pa. Transmitting apparatus for communication systems using frequency modulation. 2,478,380, Aug. 9.
- Doucette, Edmund, assignor to The Daven Company, Newark, N. J. Attenuator assembly. 2,481,649, Sept. 13.
- Doucette, Edmund J., assignor to The Daven Company, Newark, N. J. Rotary electric switch. 2,489,626, Nov. 29.
- Doud, Fred L., and S. H. Hunt, assignors to Highway Safety Appliances, Incorporated, St. Paul, Minn. Road sanding mechanism for automobiles. 2,484,985, Oct. 18.
- Doudna, H. L., assignee: *See*—
Bradley, George H.
- Dougherty, Daniel J., Snohomish, assignor of forty-nine one-hundredths to O. A. Gregorson, Seattle, Wash. Floor nailing machine. 2,457,984, Jan. 4.
- Dougherty, James, Silver Creek, Pa. Lunch can. 2,458,837, Jan. 11.
- Dougherty, Patrick F., Chester, P. D. Barton, Phoenixville, and E. M. Hughes, Chester, assignors to Sun Oil Company, Philadelphia, Pa. Cleaning heat exchangers. 2,482,904, Sept. 27.
- Dough-King, Inc., assignee: *See*—
Toews, Peter J.
- Doughman, Ferman C., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Mechanical mounting. 2,460,682, Feb. 1.
- Doughnut Corporation of America, assignee: *See*—
Ackles, Virgil E.
- Doughty, Howard W., Amherst, assignor to Firetox Company, Holyoke, Mass. Fire extinguisher. 2,474,099, June 21.
- Douglas Aircraft Company, Inc., assignee: *See*—
Alberti, Nicholas, and Bronson.
Bronson, George A.
Devlin, Leo J., and Heinemann.
Goldberg, Sydney J.
Gunning, William F., and Pier.
McCrumm, John D.
Rose, Edward H.
Smith, Paul L., and Williams, Jr.
Stewart, Francis S., and Hardy.
Van Dyke, William D.
Weise, Carl A.
- Douglas, H. A., Mfg. Co., assignee: *See*—
Baumgardner, Earl J.
Bolley, Herschel C.
Penfold, Charles S.
- Douglas, James K.: *See*—
Ferris, Walter, and Douglas.
- Douglas, James K., Shorewood, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive. 2,465,212, Mar. 22.
- Douglas, John F. H., Milwaukee, E. Pell, Shorewood, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control of alternating current motors. 2,464,122, Mar. 8.
- Douglas, Luther A., assignor of twenty-five per cent to H. W. Ditzler, twenty-five per cent to C. F. E. Kennedy, and twenty-five per cent to R. W. Kerr, Sacramento, Calif. Adjustable shelf bracket. 2,483,758, Oct. 4.
- Douglas Manufacturing Company, assignee: *See*—
Kelly, George M.
- Douglas, Melvin, assignor to Harry A. Lowther Co., Chicago, Ill. Chain-type cutter for debarking machines. 2,483,338, Sept. 27.
- Douglas, Samuel A., Union, N. Y., assignor to Link Aviation, Inc. Valve construction for grounded aviation trainers. 2,469,918, May 10.
- Douglass, Frank J., Pasadena, Calif. Apparatus for flame cutting. 2,460,412, Feb. 1.
- Douglass, Isaac W., Indianapolis, Ind., assignor of one-half to E. F. Pohl, St. Louis, Mo. Air gauge detecting device. 2,479,606, Aug. 23.
- Douglass, Myrl R., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 2,468,815, May 3.
- Douglass, Robert G., Wichita, Kans. Golf ball retriever. 2,489,958, Nov. 29.
- Doull, Robert M., Westmount, Quebec, Canada. Mixing nozzle. 2,473,415, June 14.
- Douma, Tjiske: *See*—
Boosman, Herman B. R., Douma, and Posthumus.
- Doumani, Thomas F.: *See*—
Coe, Clarence S., Attané, and Doumani.
Coe, Clarence S., and Doumani.
- Doumani, Thomas F., assignor to Union Oil Company of California, Los Angeles, Calif. Separation of acid gases from gaseous mixtures. 2,486,778, Nov. 1.
- Doumani, Thomas F., Los Angeles, C. S. Coe, Long Beach, and E. C. Attané, Jr., Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Oxidation of cycloaliphatic hydrocarbons and alcohols. 2,459,690, Jan. 18.
- Doumani, Thomas F., Los Angeles, C. S. Coe, Long Beach, and E. C. Attané, Jr., Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Production of cycloalkyl nitrites. 2,465,984, Mar. 29.
- Doumitt, Philip S., Portland, Oreg. Foot condition indicator. 2,480,361, Aug. 30.
- Dourte, George J., Long Beach, Calif. Hydraulic jack for automobile trailers. 2,459,508, Jan. 18.
- Douthitt, Jack W., Duncan, Okla. Toolholder. 2,463,162, Mar. 1.
- Doutt, Oliver, Bremerton, Wash. Adjustable eccentric. 2,477,587, Aug. 2.
- D'Ouville, Edmond L.: *See*—
Evering, Bernard L., and d'Ouville.
- D'Ouville, Edmond L., assignor to Koppers Company, Inc., Pittsburgh, Pa. Reactivation of catalysts in hydrocarbon synthesis. 2,478,899, Aug. 16.
- D'Ouville, Edmond L., Chicago, Ill., assignor to Koppers Company, Inc., Pittsburgh, Pa. Rendering noncorrosive the products resulting from catalytic alkylation. 2,478,900, Aug. 16.
- Dovitch, Samuel, New York, N. Y. Artists sketch block. 2,488,007, Nov. 15.
- Dow, Alden B., Midland, Mich. Plastic window. 2,470,921, May 24.
- Dow, Arthur L., Easton, assignor to United Aircraft Corporation, East Hartford, Conn. Piston rod packing lubricator. 2,480,229, Aug. 30.
- Dow Chemical Company, The, assignee: *See*—
Alquist, Francis N., and Hopkins.
Amos, James L., and Morris.
Amos, James L., and Soderquist.
Barry, Arthur J.
Barry, Arthur J., and De Pree.
Barry, Arthur J., Gilkey, and De Pree.
Barry, Arthur J., Hook, and De Pree.
Bauman, William C.
Bennett, Foster C.
Bewald, Clarence B.
Blue, Robert D., Hunter, and Niepert.
Boyer, Raymond F., Matheson, and Reinhardt.
Britton, Edgar C., and Coleman.
Britton, Edgar C., and Le Fevre.
Britton, Edgar C., and Monroe.
Britton, Edgar C., and White.
Britton, Edgar C., White, and Moyle.
Britton, Joseph W., and Dosser.
Cardwell, Paul H.
Cardwell, Paul H., and Mullin.
Chisholm, Douglas S., and Griswold, Jr.
Coleman, Gerald H.
Coleman, Gerald H., and Wolf.
Cornell, Robert C.
Davidson, John H.
De Long, Herbert K.
De Long, Herbert K., and Barbican.
De Pree, Lee, Barry, and Hook.
Dietrich, Robert L.
Dietzler, Andrew J.
Dreisbach, Robert R., and Fletcher.
Fiedler, Edward L.
Francis, Kenneth G.
Frevel, Ludo K.
Fuerst, Edwin W.
Grebe, John J.
Grebe, John J., and Robinson.
Griess, Gerald A., and Morris.
Griess, Gerald A., and Teot.
Hansen, John N.
Hanson, Alden W.
Hawk, Ralph C., and Mezooff.
Haynes, James D., and Lyons.
Heerema, Jacob.
Hooker, George W., and Peterson.
Hunter, Melvin J., and Bauman.
Irons, Carroll R.
Irons, Carroll R., and Havens.
Klain, Paul, and MacPhail.
Kropscott, Earle L., and Gabel.
Le Fevre, Walter J., and Harding.
Lowry, Robert D., and Church.
Lowry, Robert D., and Irons.
Lynn, George E., and Dieter.
Matheson, Lorne A., and Boyer.
McIntire, Otis E.
Meyer, Frederick J.
Moll, Harold W.
Moll, Harold W., and Britton.
Morris, Earl D., and Drake.
Morris, Earl D., and Griess.
Morris, Elton K.
Moyle, Clarence L.
Ohlmann, Edward O.
Peake, John S.
Peake, John S., and Robbins.
Pedersen, William W.
Pippin, Clarence A.
Powers, Thomas J.
Robinson, Melvin O. and H. A.
Schaefer, Hugo L.
Schwegler, Clare C., and Tennant.
Scoles, Leslie W.
Servais, Philip C.
Silvernall, Lloyd H., and Wolf.
Slagh, Harold R.
Stanton, George W., and Lowry.

Dow Chemical Company, The, assignee—Continued.

Stenger, Vernon A.
Stober, Kenneth E.
Swinehar, Richard W., Savage, and Kuhlman.
Taylor, Ambrose G.
Taylor, Fred L.
Thayer, Mary E.
Trull, Robert R.
Widiger, Alexander H., Jr.
Young, Arthur E.
Young, Arthur E., and Hoogsteen.
Young, Arthur E., and Stilbert.
Dow Corning Corporation, assignee: *See*—
Barry, Arthur J., and Gilkey.
Barry, Arthur J., and Merrill.
Goodwin, John T., Jr.
Hyde, James F., and Daudt.
Pedersen, William W.
Dow-Key Company, The, assignee: *See*—
Dow, Lawrence L.
Dow, Lawrence L., Washington, D. C., assignor to The Dow-Key Company, Winnipeg, Manitoba, Canada. Telegraph instrument. 2,481,091, Sept. 6.
Dow, Orville E., Rocky Point, N. Y., assignor to Radio Corporation of America. Pulse communication. 2,458,574, Jan. 11.
Dow, William G.: *See*—
Early, Harold C., and Dow.
Early, Harold C., Dow, and Ohlsson.
Dowd, Erith M., Lakin, Kans. Seed harvester. 2,485,713, Oct. 25.
Dowd, Thomas A., Siler City, N. C. Straddle-type log handling cart with hydraulic lift. 2,472,197, June 7.
Dowell, A. Yates, assignee: *See*—
McCormick, William R.
Dowell, Arthur E., III, Washington, D. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable coupling device. 2,482,471, Sept. 20.
Dowell, Millard F.: *See*—
Concordia, Charles, and Dowell.
Dowers, Alva L., Ventura, Calif. Soldering furnace. 2,467,298, Apr. 12.
Dowi Products, Inc., assignee: *See*—
Hutchinson, Alton E., and Thomas.
Dowick, Benjamin, Jersey City, N. J. Device for mounting selective multiple pulleys upon an electric motor drive shaft. 2,462,476, Feb. 22.
Dowie, James and H. H. Hinzelman, Stratford, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Orienting conveyor. 2,466,936, Apr. 12.
Dowling, John R.: *See*—
Dowling, Lelia and J. R.
Dowling, Lelia and J. R., Denver, Colo. Double pocket garment of the patch pocket type. 2,489,868, Nov. 29.
Dowling, Milton E.: *See*—
Cowles, Harold A., and Dowling.
Downer, John H., Toronto, Ontario, Canada. Device for mixing dental amalgams. 2,458,692, Jan. 11.
Downes, Kenneth W.: *See*—
Lowe, Sherwin P., Long, Kent, and Downes.
Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Valve and liner therefor. 2,471,941, May 31.
Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Bellows seal for valve plugs. 2,472,652, June 7.
Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Valve plug seal. 2,483,891, Oct. 4.
Downey, Richard M., Wabash, Ind., assignor to The Eagle-Picher Company. Cupola control and charging apparatus. 2,479,607, Aug. 23.
Downing Box Company, assignee: *See*—
Brehm, Peter.
Downing, Frederick B.: *See*—
Benning, Anthony F., and Downing.
Pedersen, Charles J., and Downing.
Downing, Frederick B., Carney's Point, and A. F. Benning, and R. C. McHarness, Woodstown, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Pyrolyzing polyfluoroalkanes. 2,480,560, Aug. 30.
Downing, George G., Atlanta, Ga. Mechanism for projecting and retracting aircraft lift rotors. 2,481,502, Sept. 13.
Downing, John: *See*—
Thurman, Peter J., and Downing.
Downing, Rexford D., Rock Island, and E. O. Engvall, Moline, Ill., assignors to International Harvester Company. Adjustable auger for harvester platforms. 2,477,970, Aug. 2.
Downing, Rexford D., and C. D. Prosser, Rock Island, Ill., assignors to International Harvester Company. Detachable power drive connection. 2,482,251, Sept. 20.
Downing, Willis T., Alexandria, Va., and S. P. Johnson, Washington, D. C. Rotary plug valve. 2,464,123, Mar. 8.
Downs, Bernard I., Forestville, assignor to The Vulcan Radiator Company, Hartford, Conn. Pipe bracket. 2,484,615, Oct. 11.
Downs, Curtis J., Paris, Tex. Toggle actuated C-clamp. 2,466,937, Apr. 12.
Downs, Jesse S., Alameda, assignor to W-K-M Company, Inc., Houston, Tex. Power-operated gate valve. 2,478,811, Aug. 9.

Dowrelio, Angelo, Crockett, Calif. Hot top tray. 2,466,085, Apr. 5.
Dowsing Company (Electrical Manufacturers) Limited, assignee: *See*—
Gunn, Arthur J.
Dowty Equipment Limited, assignee: *See*—
Killner, Frederick E.
Doyle, Arthur J., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Railway house car. 2,468,185, Apr. 26.
Doyle, Charles C., Willoughby, Ohio. Domestic electric heater. 2,474,472, June 28.
Doyle, Charles C., Willoughby, Ohio. Control appliance for electric heaters. 2,479,913, Aug. 23.
Doyle, Charles D., Schenectady, N. Y., assignor to General Electric Company. Removal of hydrogen halide from organo-substituted polysiloxanes. 2,477,330, July 26.
Doyle, Dorris M., Springfield, Pa. Flux coated aluminum rod for gas welding. 2,470,763, May 24.
Doyle, Edwin F., Amityville, assignor to Barker Brothers, Inc., Brooklyn, N. Y. Goblet buff. 2,473,869, June 21.
Doyle, Frank P.: *See*—
Kendall, John D., and Doyle.
Doyle, Irving W.: *See*—
Rattray, George, and Doyle.
Doyle, John M., Painesville, Ohio. Windshield wiper motor. 2,487,113, Nov. 8.
Doyle, Joseph C., Baltimore, Md., assignor to Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper holder for manifolding typewriters. 2,460,683, Feb. 1.
Doyle, Philip C., Rocky River, and K. H. Rudd, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Plastic composition of a polyvinyl chloride resin and an asphaltic material. 2,464,219, Mar. 15.
Doyle, Thomas J., Milton, assignor to Tubular Rivet and Stud Company, Quincy, Mass. Automatically timed rivet setting machine. 2,488,902, Nov. 22.
Doyle, Vaughn H., assignee: *See*—
Peterson, Karl O.
Doyle, William L. H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Dual fuel engine. 2,489,405, Nov. 29.
Doyle, William T., Albertson, N. Y., and E. R. Baker, Delta, Colo. Spurious response computer. 2,459,799, Jan. 25.
Dozier, Daniel C., Norfolk, Va. Toy. 2,470,476, May 17.
Dozier, Rebertha, Irvine, Ky. Inside flue stop. 2,470,152, May 17.
Dragar, Zwingle J.: *See*—
Myhre, Conrad B., and Dragar.
Dragert, Clarence H., assignee: *See*—
Coast, John W.
Draggo Snare Trap Co., assignee: *See*—
Taylor, James D.
Drake, Arthur E., Hockessin, assignor to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of unsaturated organic compounds. 2,492,930, Dec. 27.
Drake, Billy B.: *See*—
Smythe, Carl V., and Drake.
Drake, Earl D., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator breaker strip construction. 2,489,019, Nov. 22.
Drake, Edward P.: *See*—
Ryan, Commodore D., and Drake.
Drake, Edward P., Glendale, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Tens transfer mechanism. 2,472,696, June 7.
Drake, Frances R.: *See*—
Drake, Hallard, and F. R.
Drake, Francis M., Woodbridge, N. J., assignor to The Linde Air Products Company. Gas blanketed arc welding. 2,468,808, May 3.
Drake, Frederick H., assignor to Aircraft Radio Corporation, Boonton, N. J. Oscillator tube mounting. 2,462,370, Feb. 22.
Drake, Frederick H., assignor to Aircraft Radio Corporation, Boonton, N. J. Tube support and shield. 2,478,574, Aug. 9.
Drake, Frederick H., Boonton, and P. B. King, Jr., Mountain Lakes, assignor to Aircraft Radio Corporation, Boonton, N. J. Bead thermistor. 2,462,369, Feb. 22.
Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Condition control apparatus. 2,478,183, Aug. 9.
Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Condition control apparatus. 2,478,752, Aug. 9.
Drake, Hallard, and F. R., Chicago, Ill. Doorstop. 2,487,427, Nov. 8.
Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,477,971, Aug. 2.
Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector car mechanism. 2,479,219, Aug. 16.
Drake, John F., Ponca City, Okla. Golf putter. 2,478,468, Aug. 9.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for manufacturing hollow glass building blocks. 2,478,812, Aug. 9.

- Drake, Nathan L., University Park, Md., and J. O. Van Hook, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. 6-methoxy-8-(5-isopropyl amino pentylamino) quinoline compounds and quinine as antifungals. 2,488,274, Nov. 15.
- Drake, Nathan L., University Park, and J. O. N. Van Hook, College Park, Md., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Quinoline compounds having antimalarial properties. 2,492,467, Dec. 27.
- Drake, Nathan L., College Heights, Md., and W. J. Shenk, Cleveland, Ohio, assignors to The United States of America as represented by the Secretary of the Army. Dioxolane compound. 2,492,692, Dec. 27.
- Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Lint removal means for bobbin winding machines. 2,460,736, Feb. 1.
- Drake, Stevens S.: *See*—
Morris, Earl D., and Drake.
- Drake, Virgil R.: *See*—
Hopper, William H., and Drake.
- Drakenfeld, B. F., & Co., Inc., assignee: *See*—
Andrews, Ray.
- Draman, Rexford E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Producing GR-S latex containing carbon black. 2,476,819, July 19.
- Draper Corporation, assignee: *See*—
Budzyrna, Walter J.
Clentimack, George E.
Nichols, Edward C.
Rogers, Leonard M., and Donoghue.
Thatcher, Harry W., and Brown.
Thatcher, Harry W., and Nichols.
Tuten, James M.
- Drasin, Akiyah, Buffalo, N. Y. Umbrella carrying garment. 2,472,286, June 7.
- Dravo Corporation, assignee: *See*—
Hiller, Robert W., and Davidson.
- Drayer-Hanson, assignee: *See*—
Clancy, Gilbert E.
- Drayton, A. F., assignee: *See*—
Darling, Frank L.
- Dreger, Emil E.: *See*—
Colgate, Robert B., Dreger, and Russell.
- Dreger, Emil E., Summit, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Detergents and making them. 2,462,831, Mar. 1.
- Dreher, Godfrey L., Minneapolis, Minn. Bottle carrier. 2,461,517, Feb. 8.
- Dreher, Hedley R., Huntington, Ind., assignor to General Motors Corporation, Detroit, Mich. Making lined brake shoes. 2,476,588, July 19.
- Dreifke, Raymond F., St. Louis, Mo., assignor to Curtiss-Wright Corporation. Retracting mechanism. 2,467,015, Apr. 12.
- Dreischbach, Charles A., Yonkers, N. Y. Scouring apparatus. 2,460,926, Feb. 8.
- Dreischbach, Paul F.: *See*—
Hultquist, Martin E., and Dreischbach.
Northey, Elmore H., and Dreischbach.
- Dreischbach, Robert R., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Parasiticide compositions comprising alkyl-halo-naphthalenes. 2,471,265, May 24.
- Dreischach, Henry C., Chicago, Ill. Cutter and trimmer. 2,487,224, Nov. 8.
- Drennan, Lee J., Inc., assignee: *See*—
Kraus, Helm E.
- Drescher, Arthur B., assignor to Lone Star Steel Company, Daingerfield, Tex. Method and apparatus for separating magnetic from nonmagnetic materials. 2,470,889, May 24.
- Dresen, James P., assignor to The Rocky Mountain Gas Equipment Company, Denver, Colo. Furnace with thermostatic control of convection mediums. 2,465,151, Mar. 22.
- Dresen, James P., assignor to The Rocky Mountain Gas Equipment Company, Denver, Colo. Gas burner. 2,469,499, May 10.
- Dreshfield, Arthur C., Chicago, Ill., assignor to Hercules Powder Company, Wilmington, Del. Sizing compositions. 2,488,385, Nov. 15.
- Dressel, Fred M., Kingston, N. Y. Nonsiphoning trap. 2,468,360, Apr. 26.
- Dressel, Henry M., assignor to Stackpole Carbon Company, St. Mary's, Pa. Electric volume control. 2,466,213, Mar. 22.
- Dressel, Henry M., assignor to Stackpole Carbon Company, St. Mary's, Pa. Radio volume control. 2,489,757, Nov. 29.
- Dresser, Frank G., Providence, R. I. Manufacture of shoe lasts. 2,487,965, Nov. 15.
- Dresser Industries, Inc., assignee: *See*—
Risley, Roger E.
Risley, Roger E., and Scharf.
Scharf, Paul B.
- Dresser, Oscar C., Arlington, Va., O. Norgorden, Washington, D. C., F. J. Shanahan, Alexandria, and C. R. Shuler, Stanley, Va. Pneumatic impact device. 2,474,235, June 28.
- Dresser, Willis R.: *See*—
Waller, Fred, and Dresser.
Waller, Fred, Dresser, Swain, and Wengel.
- Dressler, Max, assignee: *See*—
Browner, William J.
- Dressler, Robert F.: *See*—
Beard, Joseph G., and Dressler.
- Drew, Charles E., Racine, Wis. Collet chuck. 2,491,167, Dec. 13.
- Drew, E. F., & Co. Inc., assignee: *See*—
Barsky, George.
Little, Lawrence L.
Strauss, Frank A.
- Drew, Edward J., Jersey City, N. J., assignor of fifty per cent to W. L. Mueller, Ridgewood, N. Y. Turning device for jar tops. 2,483,759, Oct. 4.
- Drew, Ernest F., New York, N. Y. Method of recovering volatile materials. 2,471,942, May 31.
- Drew, John E.: *See*—
Walker, Alexander D., and Drew.
- Drew, Richard G.: *See*—
Ebel, Clarence J., and Drew.
- Drewitt, James G. N.: *See*—
Allen, Sidney J., and Drewitt.
- Drexler, Charles, assignee: *See*—
Brownlee, Dalmar T.
- Dreyer, Albert, assignor to Metallschlauchfabrik A. G., Lucerne, Switzerland. Axial expansion compensator for pipe conduits. 2,479,104, Aug. 16.
- Dreyer, Albert, Lucerne, Switzerland. Pressure-balanced pipe-expansion joint. 2,485,370, Oct. 18.
- Dreyer, Albert, assignor to Metallschlauchfabrik A. G., Lucerne, Switzerland. Corrugated tube. 2,490,513, Dec. 6.
- Dreyer, John F., Springfield, assignor to The General Polarizing Company, Cincinnati, Ohio. Optically polarizing dichroic film and preparing the same. 2,481,830, Sept. 13.
- Dreyer, John F., assignor to The General Polarizing Company, Cincinnati, Ohio. Light polarizing mirror. 2,484,818, Oct. 18.
- Dreyfus, Camille, New York, N. Y., B. Andersen, Maplewood, N. Y., and N. N. Kojevnikoff, New York, N. Y., assignors to Celanese Corporation of America. Process of manufacturing regenerated cellulose sheet material. 2,459,927, Jan. 25.
- Dreyfus, Camille, New York, N. Y., and G. W. Seymour and G. C. Ward, Cumberland, Md., assignors to Celanese Corporation of America. Treating organic substitution derivative of cellulose textile materials. 2,488,587, Nov. 22.
- Dreyfus, Camille, New York, N. Y., and G. W. Seymour and G. C. Ward, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile materials. 2,488,588, Nov. 22.
- Dreyfus, Henry, deceased, by C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Manufacture of aliphatic dinitriles. 2,481,580, Sept. 13.
- Dreyfus, Henry, deceased, late of London, England, by C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Producing acetylable cellulose from straw. 2,487,114, Nov. 8.
- Dreyfus, Henry, deceased, by C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Preparation of aliphatic acid anhydrides. 2,491,553, Dec. 20.
- Dreyfuss Art Co., Inc., assignee: *See*—
Gates, Norbert S., and Pinto.
- Dreznes, John J.: *See*—
McAllister, Alexander J., and Dreznes.
- Dri-Air Corporation, assignee: *See*—
Haarman, Donald W.
- Drieschman, Donald, Los Altos, and R. Chamberlin, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,472,942, June 14.
- Drieschman, Donald F., Los Altos, and R. Leonard, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,458,693, Jan. 11.
- Driggs, Richard J., assignee: *See*—
Koback, Benjamin.
- Drisch, Nicolas, assignor, by mesne assignments, to Societe Novacel, Paris, France. Sponge-forming compositions. 2,464,772, Mar. 15.
- Driskill, Dallas B., Van Nuys, Calif. Soundproof ear appliance. 2,476,589, July 19.
- Drisko, John W., Schenectady, N. Y., assignor to General Electric Company. Overload protection device for power transmission apparatus. 2,461,261, Feb. 8.
- Drissner, Alfred E., and W. J. Hogg, assignors to The National Acme Company, Cleveland, Ohio. Thread rolling machine. 2,475,084, July 5.
- Dritz, Theodore D., Mount Vernon, N. Y. Traction device. 2,470,607, May 17.
- Dritz-Traum Co., Inc., assignee: *See*—
McKinley, Theresa M., and Traum.
- Driver, Douglas L. A., assignor to Standard Telephone and Cables Limited, London, England. Manufacture of selenium elements such as rectifiers. 2,480,124, Aug. 30.
- Driver-Harris Company, assignee: *See*—
Lohr, James M.
- Droegemueller, Edwin A.: *See*—
Taylor, Harry N., and Droegemueller.
- Droppers, Paul E., assignee: *See*—
Broersma, Robert J.

- Drott, Edward A. and E. R., Milwaukee, Wis. Shovel loader. 2,482,612, Sept. 20.
- Drott, Edward A. and E. R., Milwaukee, Wis. Tractor mounted grab loader. 2,488,767, Nov. 22.
- Drott, Edward R.: *See—*
Drott, Edward A. and E. R.
- Droutman, Abraham, Brooklyn, assignor to Droutman Manufacturing Co., New York, N. Y. Hatbox. 2,466,398, Apr. 5.
- Droutman, Abraham, Brooklyn, assignor to Droutman Manufacturing Co., New York, N. Y. Hatbox. 2,467,584, Apr. 19.
- Droutman Manufacturing Co., assignee: *See—*
Droutman, Abraham.
- Drow, Donald F., Los Angeles, Calif. Flytier. 2,478,255, Aug. 9.
- Druey, Jean: *See—*
Hartmann, Max, and Druey.
- Druey, Jean, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. 1,4-dihydrazino-phthalazine and its acid salts. 2,484,785, Oct. 11.
- Druey, Dan O., assignee: *See—*
Bates, Edward L.
- Druge, Lucien W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Laboratory device. 2,465,434, Mar. 29.
- Drugmand, Lester D.: *See—*
Cox, Irvin W., and Drugmand.
- Drugmand, Lester D., Greenfield, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Arc welding with controlled current pulses. 2,484,155, Oct. 11.
- Drugmand, Lester D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrode for high-frequency heating of insulation preforms. 2,472,370, June 7.
- Drugmand, Lester D., Milwaukee, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Resistance heater unit for thermal overload devices and making the same. 2,479,914, Aug. 23.
- Druker, Leonard J.: *See—*
Gold, Marvin H. and Druker.
- Drum, Lewis F.: *See—*
Pollak, Arthur, Keilen, Jr., and Drum.
- Drummond, Donald L., Santa Maria, Calif. Envelope having tamper detection means. 2,457,809, Jan. 4.
- Drummond, James E.: *See—*
King, Thomas C., and Drummond.
- Dry, John D., Bridgeport, Conn. Mechanical movement. 2,469,500, May 10.
- Dryden, Charles E.: *See—*
Buxton, Loran O., and Dryden.
- Dryden, James B., Carlsbad, N. Mex. Tank filling control. 2,462,076, Feb. 22.
- Dryden Rubber Company, assignee: *See—*
Winkelmann, Herbert A.
- Dryer, Henry V., assignor to Line Material Company, Milwaukee, Wis. Fuse construction. 2,490,950, Dec. 13.
- Drying & Concentrating Company, assignee: *See—*
Hall, Joseph M.
- Drzewiecki, Joseph, Algonac, Mich. Lock for automobile doors. 2,474,519, June 28.
- Dualoc Engineering Co., assignee: *See—*
Randall, Ralph R.
- Dualoc Syndicate, assignee: *See—*
Randall, Ralph R.
- Dube, John E., St. Louis County, assignor to Alco Valve Company, Maplewood, Mo. Pressure-regulating valve. 2,461,415, Feb. 8.
- Dube, John E., Clayton, and G. D. Bower, University City, assignor to Alco Valve Company, University City, Mo. Valve with dual control. 2,484,156, Oct. 11.
- Dubé, Noël A., Salmon Falls, N. H. Table baseball. 2,462,170, Feb. 22.
- Dubeau, Archie L.: *See—*
Vincent, George P., and Dubeau.
- Dubeau, Archie L., Rumford, R. I., assignor to Mathieson Chemical Corporation. Simultaneously scouring and bleaching wool. 2,481,205, Sept. 6.
- Du Bern Company, Inc., assignee: *See—*
Dupertins, Bernard.
- Duberstein, Samuel, Brooklyn, N. Y., assignor to American Sundries Company, Inc. Electric vaporizer. 2,468,010, Apr. 19.
- Dubilier Condenser Company (1925) Limited, assignee: *See—*
Straub, Eugene L., and Bennett.
- Dubilier, Philip, and J. Katzman, New York, N. Y. Producing electrical condensers. 2,478,754, Aug. 9.
- Dubilier, William, New Rochelle, N. Y. Device for electrically treating liquids. 2,490,730, Dec. 6.
- Dubin, Harry, Brooklyn, N. Y. Men's trunks. 2,489,083, Nov. 22.
- Dubin, Jack: *See—*
Bennett, Owen G., and Dubin.
- Dubin, Lester: *See—*
Grieg, Donald D., Levine, and Dubin.
- Dubin, Lester, Brooklyn, and E. Pataki, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radiometer. 2,485,577, Oct. 25.
- Dubin, Rubin M., Los Angeles, Calif. Mixer. 2,481,731, Sept. 13.
- Dubiner, Betty V., Toronto, Ontario, Canada. Combined shipping and display container. 2,483,533, Oct. 4.
- Dubner, Harry J., Forest Hills, N. Y. Perspective indicator. 2,463,163, Mar. 1.
- Du Bois Company, assignee: *See—*
Noble, Sidney G., and Wolgemuth.
- Dubois, Eugene D.: *See—*
Duggan, Alejandro H., Toots, and Dubois.
- Du Bois, Jesse E., New York, N. Y. Bottle support. 2,474,416, June 28.
- Du Bois, William H.: *See—*
Frank, Frederick C., and Du Bois.
- Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatically adjustable disk brake. 2,472,697, June 7.
- Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Piston sealing means. 2,483,313, Sept. 27.
- Du Bois, William H., and I. F. Chapin, assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure operated disk brake for aircraft. 2,483,362, Sept. 27.
- Dubost, Paul: *See—*
Durel, Pierre, and Dubost.
- Dubpernell, George, Watertown, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Chromium plating and treating steel airplane propeller blades. 2,462,615, Feb. 22.
- Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Trailer caster. 2,470,978, May 24.
- Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Locking trailer hitch. 2,489,705, Nov. 29.
- Dubuar, Arthur S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Solenoid operated switch. 2,457,878, Jan. 4.
- Dubuar, Arthur S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic line voltage compensator and impulse repeater for signaling systems. 2,461,200, Feb. 8.
- Duby, Clarence J., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Coil handling apparatus and method. 2,485,961, Oct. 25.
- Duby, John H., New Haven, and W. J. Sinnott, West Hartford, Conn. Roll-away cushion. 2,467,468, Apr. 19.
- Duce, Ralph E., Kokomo, Ind., assignor to Haynes Stellite Company. Making composite welded articles. 2,468,816, May 3.
- Ducey, Francis E., Phoenix, Ariz. Infant's chair. 2,489,084, Nov. 22.
- Du Charme, Harold, Grosse Pointe, Mich. Brake controlled throttle lock. 2,477,865, Aug. 2.
- Duchaussoy, Camille: *See—*
Audemar, Pierre, and Duchaussoy.
- Duchaussoy, Camille C., Saint-Maur, assignor to Compagnie Generale Pour L'Equipment Aeronautique, Societe Anonyme, Paris, France. Auxiliary motor control unit. 2,479,734, Aug. 23.
- Duchesneau, William J., Hartford, Conn. Static electricity discharging device. 2,481,913, Sept. 13.
- Duchin, Viva, New York, N. Y. Pocket container for postage stamps. 2,468,817, May 3.
- Duclos, Aeneas J. N., South Orange, and R. Gillis, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Control apparatus. 2,475,425, July 5.
- Ductile Chrome Process Co., assignee: *See—*
Macpherson, Carl D.
- Dudley, Frank E., Philadelphia, Pa. Radiation counter tube. 2,489,627, Nov. 29.
- Dudley, Homer W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech analysis and synthesis system. 2,466,880, Apr. 12.
- Dudley, James R.: *See—*
Lundberg, Lennart A., and Dudley.
- Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion exchange resins. 2,467,523, Apr. 19.
- Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion active resins and producing the same. 2,469,684, May 10.
- Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Synthetic resins derived from acrylonitrile adducts. 2,473,498, June 21.
- Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Fatty acid condensation products of water-soluble thermoplastic amine resins. 2,479,480, Aug. 16.
- Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Removing anions from fluid media. 2,485,485, Oct. 18.
- Dudley, James R., Cos Cob, and L. A. Lundberg, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Anion active resins and producing same. 2,469,683, May 10.
- Dudley, John S., Douglas, and C. D. Brandt, assignors to Whitin Machine Works, Whitinsville, Mass. Roll tension device. 2,466,086, Apr. 5.
- Dudley, Leslie P. C. J., Twickenham, assignor to Stereoptics Limited, London, England. Making stereoscopic X-ray photographs. 2,468,963, May 3.

- Dudley, Margaret H., assignee: *See*—
Kinyon, Christing H.
- Dudzinski, Clarence A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Core vent. 2,482,330, Sept. 20.
- Duer, Frederick L., Bellwood, Ill. Base for tables. 2,467,080, Apr. 12.
- Duer, Frederick L., Chicago, Ill. Metal bending machine with jointed sweep arm carrying a mandrel. 2,491,893, Dec. 20.
- Duer, Morris J.: *See*—
Carson, Howard and Duer.
- Duerr, Carl F., Jr., Gates Mills, assignor, by mesne assignments of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, all of Cleveland, Ohio. Pump lubricating means. 2,460,814, Feb. 8.
- Duerr, Herman H., H. W. Morreall, Jr., and H. C. Harsh, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Color correction of multi-color negative film by integral masking images. 2,464,798, Mar. 22.
- Duesberg, Hubert, assignee: *See*—
Merchant, Thomas.
- Duesel, Bernard F., Yonkers, and H. L. Friedman, New York, assignors to Pyridium Corporation, Nepera Park, N. Y. Nicotinic acid amide and preparing same. 2,471,518, May 31.
- Dufault, Homer D., Easthampton, assignor to Heatbath Corporation, Springfield, Mass. Unitary heating apparatus for insertion in range compartments. 2,465,361, Mar. 29.
- Dufault, Homer D., Easthampton, assignor to Heatbath Corporation, Springfield, Mass. Combined cooking and air heating stove. 2,472,198, June 7.
- Duff, George L., Long Beach, Calif. Portable sander. 2,466,584, Apr. 5.
- Duff-Norton Manufacturing Company, The, assignee: *See*—
Schwerin, Frank H.
- Duff, Ralph B.: *See*—
Chappell, Robert E., Beamer, and Duff.
- Duff, Thomas M., Chevy Chase, Md., and P. E. Whittington, Arlington, Va. Sock drier. 2,487,046, Nov. 8.
- Duffin, George F.: *See*—
Huggett, Walter E., and Duffin.
- Duffy, Edward F., assignor to La Crosse Trailer Corporation, La Crosse, Wis. Tractor-trailer hitch. 2,485,371, Oct. 18.
- Duffy, Philip A., Jr., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulsed oscillator. 2,484,209, Oct. 11.
- Duffy, William, Maspeth, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Tool for handling open-ended spring retaining rings. 2,483,380, Sept. 27.
- Dufour, Achille P., Paris, France. Device for taking composite motion pictures. 2,488,177, Nov. 15.
- Dufour, Leon, Acacias-Geneva, Switzerland. Coupling mechanism for connecting the rear end of a tractor mounted power plant to a trailer. 2,474,825, July 12.
- Dufour, Maurice F.: *See*—
Hills, Robert C., and Dufour.
- Du Frane, Lawrence E., Fond du Lac, Wis. Warning and flood light for motor vehicles. 2,491,094, Dec. 13.
- Dugas, Anthony J.: *See*—
De Cuir, Louis N., Sr., and Dugas.
- Dugdale, Robert, Chicago, Ill. Fishmouth spreader. 2,481,007, Sept. 6.
- Duggan, Alejandro H., R. P. Toots, and E. D. Dubois, Venado Tuerto, Argentina. Method and apparatus for manufacturing blocks from various materials. 2,486,266, Oct. 25.
- Duggan, Fred W., Bennington, Vt., and R. P. Stambaugh, Bound Brook, N. J., assignors to Bakelite Corporation. Vinyl resin composition containing a stearic acid amide of ethylene diamine. 2,464,856, Mar. 22.
- Duggan, George A., Long Beach, Calif. Diversion blind fitting. 2,462,731, Feb. 22.
- Duggan, Richard W., Miami Beach, Fla. Anchor bracket. 2,467,115, Apr. 12.
- Dugger, Benjamin M., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Aureomycin and preparation of same. 2,482,055, Sept. 13.
- Dugger, Llewellyn G., Montgomery, Ala. Navigational system. 2,462,077, Feb. 22.
- Dugger, Llewellyn G., U. S. Army, Montgomery, Ala. Navigational system. 2,482,105, Sept. 20.
- Du Grenier, Francis C., Haverhill, and F. B. Perri, Groveland; said Perri assignor to B. E. Bouchard, Haverhill, Mass. Coin separator. 2,463,161, Mar. 1.
- Duhmert, Genhard, Carmel, N. J. Crossed leg serving stand. 2,468,547, Apr. 26.
- Duinker, Daniel M.: *See*—
de Lange, Cornelis, and Duinker.
- Duinker, Daniel M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rectifier circuit arrangement. 2,467,116, Apr. 12.
- Duinker, Daniel M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Transformer load indicator. 2,475,017, July 5.
- Dukay Machinery Corporation, assignee: *See*—
Kellner, Paul.
- Duke, James B.: *See*—
Greene, Ernest W., and Duke.
- Duke, James B., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of nonsulfide, nonsilicate ores with nitric acid treated fatty acids. 2,459,219, Jan. 18.
- Duke, James B., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of phosphate minerals. 2,461,813, Feb. 15.
- Duke, Marshall: *See*—
Seymour, George W., and Duke.
- Duke, Sam, Chicago, Ill. Vehicle for invalids. 2,459,066, Jan. 11.
- Duke, Vernon J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Double time-constant circuit for direct-current restoration. 2,472,577, June 7.
- Duke, Vernon J., Rockville Centre, N. Y., and R. W. Clark, Teaneck, N. J., assignors to Radio Corporation of America. Frequency modulation television receiver. 2,480,913, Sept. 6.
- Dukes, Clifton A., Jr., Decatur, Ga. Shirt front straightener. 2,467,117, Apr. 12.
- Dulaney, Anna D., Memphis, assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Producing an antigen for use in the diagnosis of malaria and product thereof. 2,469,456, May 10.
- Dulaney, Anna D., Memphis, assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Producing an antigen for use in the diagnosis of malaria and product thereof. 2,469,457, May 10.
- Dulaney, Elizabeth M., executrix: *See*—
Dulaney, Robert N.
- Dulaney, Robert N., Chattanooga, Tenn.; E. M. Dulaney, executrix of said R. N. Dulaney, deceased, assignor of one-half to R. Burch, Washington, D. C. Reversible screw feeder and crusher mechanism with means to automatically eject indestructible oversize foreign matter. 2,475,225, July 5.
- Dulaney, William B., Cincinnati, assignor to The Cleveland Automatic Machine Company, Norwood, Ohio. Overload control mechanism. 2,484,616, Oct. 11.
- Dulaney, William B., Madeira, assignor to The Cleveland Automatic Machine Co., Norwood, Ohio. V-belt variable-speed drive. 2,486,524, Nov. 1.
- Dulberg, Murray, New York, N. Y. Cosmetic receptacle. 2,458,063, Jan. 4.
- Dulcnaire Industries, Inc., assignee: *See*—
Leniz, Joe A.
- Dulinsky, Ross E., San Francisco, Calif. Adjustable ear-phone. 2,486,267, Oct. 25.
- Dullaghan, Edward J., Boise, Idaho. Wire tightener and twister for concrete forms. 2,492,560, Dec. 27.
- Dulong, Roger R., Grosse Pointe Farms, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Governor. 2,482,161, Sept. 20.
- Dultgen, Arthur, Manhasset, assignor to News Syndicate Co., Inc., New York, N. Y. Making gravure printing plates. 2,480,400, Aug. 30.
- Dultmeier Manufacturing Company, assignee: *See*—
Hansen, John R.
- Duluth Manufacturing & Galvanizing, Inc., assignee: *See*—
Allie, Lloyd C.
- Dum, John L.: *See*—
Bradley, Harry P., and Dum.
- Duma, Stephen, New York, N. Y. Spark plug adjustment tool. 2,492,380, Dec. 27.
- Duman, Louis R., assignee: *See*—
Berger, Paul
Freeman, Ernest H.
- Dumbleton, Paul K., Waukesha, assignor to Milwaukee Printed String Company, Inc., Milwaukee, Wis. Dispenser for strand material. 2,488,492, Nov. 15.
- Dumm, George H., Kent, Ohio. Hydraulic insole. 2,477,588, Aug. 2.
- Du Mont, Allen B., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Photovision. 2,472,889, June 14.
- Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Berkley, Carl
Du Mont, Allen B.
Feldt, Rudolf, and Lampert.
Huffman, Charles E.
Kasperowicz, Henry.
Leighton, Herndon W.
Mann, Estle R., and Beste.
Mann, Estle R., and Stanton.
Mann, Estle R., Stanton, and Goldsmith, Jr.
Maron, Meyer.
Patremio, Salvatore R.
Petty, Charles B.
Ringer, Robert L., Jr.
- Dumore Company, The, assignee: *See*—
Barrick, Paul L.
Brown, Robert L.
Brubaker, Merlin M., and Jacobson.
Cockerille, Frank O.
Detrick, Stanley R., Lockwood, and Whitman.
Gresham, William F.

Dunmore Company, The, assignee: *See*—Continued.

Gribbins, Myers F.
Hager, Glenn F.
Hallowell, Alban T.
Harmon, Jesse.
Hauser, Paul M.
Hetherington, Harry C.
Hoover, Fred W.
Jennings, Andrew B.
Joyce, Robert M., Jr.
Langkammerer, Carl M.
McQueen, David M.
Murray, Otis W.
Nash, William W.
Nelson, James H., and Servis.
Pedersen, Charles J., and Downing.
Plambeck, Louis, Jr.
Roedel, Milton J.
Sargent, Donald E.
Schneider, Allan K.
Duna, Alfred L.: *See*—
Morrison, James J., and Duna.
Dunbar, James Y., R. D. Gilpin, and N. R. Hussey, United States Navy. Isolated radiant energy control system. 2,481,503, Sept. 13.
Dunbar, John R., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control and testing system. 2,484,210, Oct. 11.
Dunbar, Louis R., New Britain, Conn. Safety device for stamping presses and the like. 2,485,714, Oct. 25.
Dunbar, Thomas L., Watertown, N. Y. Treating waste sulfite liquor. 2,470,764, May 24.
Duncan, Charles S., Wilkingsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,459,630, Jan. 18.
Duncan Electric Manufacturing Company, assignee: *See*—
Green, Stanley S.
Paine, Louis A., and Smith.
Duncan Foundry and Machine Works, Inc., assignee: *See*—
Duncan, William M.
Duncan, George R., Washington, Mo. Milking domestic farm animals and for temporarily storing milk and cooling it. 2,470,979, May 24.
Duncan, George R., Washington, Mo. Milk cooler. 2,482,579, Sept. 20.
Duncan, Gordon W.: *See*—
Paliwoda Miriam A., and Duncan.
Wasson, Jones I., and Duncan.
Zimmer, John C., and Duncan.
Zimmer, John C., Carlson, and Duncan.
Duncan, Gordon W., Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Producing hydrocarbon oil concentrates of metal sulfonates. 2,459,995, Jan. 25.
Duncan, Gordon W., Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Complex from a polyvalent metal petroleum sulfonate, making it, and a lubricating oil containing it. 2,467,118, Apr. 12.
Duncan, Gordon W., Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Purification of concentrated oil solutions of polyvalent metal sulfonates. 2,480,638, Aug. 30.
Duncan, Gordon W., Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricant composition. 2,491,649, Dec. 20.
Duncan, Harold E., Bettendorf, Iowa. Support for indicator gauges. 2,476,259, July 12.
Duncan, Harold W., Akron, Ohio. Golf club carrier. 2,486,827, Nov. 1.
Duncan Meter Corporation, assignee: *See*—
Broussard, Robert F.
Duncan Parking Meter Corporation, assignee: *See*—
Broussard, Robert F., and Sollenberger.
Duncan, Richard L., West Lafayette, Ind. Navigational map projection device. 2,472,098, June 7.
Duncan, Robert C., Chevy Chase, Md., and R. M. Hicks, Washington, D. C. Film record selecting and projecting device. 2,464,220, Mar. 15.
Duncan, Robert C., and A. H. Sellman, Washington, D. C. Device for controlling the buoyancy of subfloating bodies. 2,482,106, Sept. 20.
Duncan, Sprinkle W., North Tazewell, Va. Electrical cable guide. 2,483,760, Oct. 4.
Duncan, Theodore R., North Hollywood, Calif. Whistling toy. 2,485,142, Oct. 18.
Duncan, Theodore R., North Hollywood, Calif. Game piece. 2,485,143, Oct. 18.
Duncan, Thomas P., Jr., Newport News, Va. Golf club grip. 2,459,996, Jan. 25.
Duncan, William M., assignor to Duncan Foundry and Machine Works, Inc., Alton, Ill. Foundry flask. 2,460,218, Jan. 25.
Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Shoe press. 2,482,968, Sept. 27.
Dungler, Julien, Basel, Switzerland. Automatic feeding device for cloth. 2,484,020, Oct. 11.
Dungler, Julien, Basel, Switzerland. Clip for tenting machines and the like. 2,489,275, Nov. 29.
Dunham, Edward W.: *See*—
Wiegert, Wallace A., and Dunham.

Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,477,789, Aug. 2.
Dunham, Guy, Bono, Ark. Bee comb frame construction. 2,458,838, Jan. 11.
Dunham, Le Roy S., East Orange, and E. V. Steffensen, Belleville, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Impregnating carbonaceous bodies. 2,473,943, June 21.
Duniyan, Floyd H.: *See*—
Schmidt, Carlton R., and Duniyan.
Dunkak, Elmer B., assignor to The Davison Chemical Corporation, Baltimore, Md. Solar activated dehumidifier. 2,462,952, Mar. 1.
Dunkel, Otto H., Detroit, Mich. Ski-scooter. 2,460,815, Feb. 8.
Dunkelberger, Milton S., assignor to The American Display Company, Dayton, Ohio. Composite fishhook. 2,490,583, Dec. 6.
Dunkelberger, Milton S., assignor to The American Display Company, Dayton, Ohio. Fishing-rod handle and reel lock. 2,490,584, Dec. 6.
Dunkley, Melville E., Modesto, Calif. Milk treatment with oxidation inhibiting gases. 2,463,363, Mar. 1.
Dunkley, Melville E., Modesto, Calif. Food treatment process. 2,490,951, Dec. 13.
Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Fibrous container for oil and other liquids. 2,467,016, Apr. 12.
Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Textile thread carrier. 2,470,549, May 17.
Dunlap, Herman, St. Louis, Mo. Toothbrush holder. 2,484,157, Oct. 11.
Dunlap, Robert M., assignor to The Sparks-Withington Company, Jackson, Mich. Electrohydraulic lift system for refrigerators and the like. 2,490,861, Dec. 13.
Dunlap, Ralph I., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Neutralizing peroxide catalyst in styrene emulsion polymerization. 2,489,959, Nov. 29.
Dunlap, Ralph I., Jr.: *See*—
Park, Harold F., Basdekis, and Dunlap.
Dunlop, Alex B., assignor to Kerr Manufacturing Company, Detroit, Mich. Apparatus for preparing investment materials. 2,480,454, Aug. 30.
Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Alkylfuran resins and making same. 2,486,392, Nov. 1.
Dunlop, Richard D., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Thermosetting polyvinyl acetal composition. 2,466,399, Apr. 5.
Dunlop Rubber Company Limited, assignee: *See*—
Travaskis, Harry.
Dunlop Tire and Rubber Corporation, assignee: *See*—
Langstreth, Melon.
Dunmore, Francis W., Washington, D. C. Measuring potential gradients in space. 2,463,527, Mar. 8.
Dunn, Albert, and O. C. Eiland, Mount Rainier, Md. Hydraulic transmission. 2,468,964, May 3.
Dunn, Clarence L., Berkeley, M. Souders, Jr., Piedmont, and C. Groot, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Concentration. 2,481,092, Sept. 6.
Dunn, Edward J.: *See*—
Croft, Harry P., and Dunn.
Dunn, James C., Hyde Park, Mass. Cigarette case and shear. 2,491,958, Dec. 20.
Dunn, George B., Schenectady, N. Y., assignor to General Electric Company. Photoelectric weft straightener. 2,492,737, Dec. 27.
Dunn, George E., assignor to Universal Products Company, Inc., Dearborn, Mich. Constant velocity joint. 2,485,868, Oct. 25.
Dunn, Grover: *See*—
Archer, James R., and Dunn.
Dunn, Guy A., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Pear peeling, coring, and splitting method and apparatus. 2,459,368, Jan. 18.
Dunn, Guy A., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Feed device. 2,468,255, Apr. 26.
Dunn, Hugh J.: *See*—
Lee, Ernest D., Scheffbauer, Jr., and Dunn.
Dunn, John A., Hempstead, N. Y. Spreading device. 2,479,328, Aug. 16.
Dunn, John R., South Groveland, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Work distributing conveyor system. 2,470,922, May 24.
Dunn, John R., South Groveland, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading platform. 2,489,869, Nov. 29.
Dunn, Joseph A., St. Clair, Mich., and F. G. Miller, Den-ville, N. J., assignors to General Foods Corporation, New York, N. Y. Mineral salt block. 2,489,758, Nov. 29.
Dunn, Joseph A., St. Clair, Mich., and F. G. Miller, Den-ville, N. J., assignors to General Foods Corporation, New York, N. Y. Trace halogen salt. 2,489,759, Nov. 29.
Dunn, Joseph A., St. Clair, Mich., and F. G. Miller, Den-ville, N. J., assignors to General Foods Corporation, New York, N. Y. Trace metal salt. 2,489,760, Nov. 29.

- Dunn, Joseph A., Winchester, Mass., and F. G. Miller, Den-
ville, N. J., assignors to General Foods Corporation,
New York, N. Y. Trace iron salt. 2,489,761, Nov. 29.
- Dunn, Joseph A., St. Clair, Mich., and F. G. Miller, Den-
ville, N. J., assignors to General Foods Corporation,
New York, N. Y. Sulfur salt. 2,489,762, Nov. 29.
- Dunn, Joseph F., New York, N. Y. Control for ranges.
2,472,795, June 14.
- Dunn, R. B., assignee: *See*—
Tippett, William R.
- Dunn, Ralph L.: *See*—
Yamins, Hyam G., and Dunn.
- Dunn, Robert C.: *See*—
Byler, Raymond E., and Dunn.
- Dunn, Roland H., London, England, assignor, by mesne
assignments, to International Standard Electric Cor-
poration, New York, N. Y. Pulse generator. 2,476,963,
July 26.
- Dunn, Steele P.: *See*—
Beutel, Edward, and Dunn.
- Dunn, Ted E.: *See*—
McLamore, John T., Minneman, and Dunn.
- Dunn, W. E., Manufacturing Company, assignee: *See*—
Cooper, Benjamin G.
- Dunn, William C.: *See*—
Denneen, Francis S., and Dunn.
- Dunn, William L., assignor, by mesne assignments, to
Belmont Radio Corporation, Chicago, Ill. Electric motor
follow-up control system. 2,458,983, Jan. 11.
- Dunn, William N., Martinsburg, W. Va. Power transmis-
sion mechanism. 2,475,085, July 5.
- Dunne, John P., assignor to Columbian Carbon Company,
New York, N. Y. Modification of prolamines with
glycols. 2,489,763, Nov. 29.
- Dunne, Maurice F., Chicago, Ill. Shaft-pulley coupling
of the longitudinally split, tapered sleeve type.
2,482,662, Sept. 20.
- Dunne, Maurice F., Chicago, Ill. Shaft-pulley coupling
of the longitudinally split-tapered sleeve type. 2,487,225,
Nov. 8.
- Dunneback, Joseph G., Shaker Heights, Ohio, assignor to
J. & L. Steel Barrel Company, Pittsburgh, Pa. Shipping
package. 2,477,512, July 26.
- Dunnells, Norman A., Manchester, and R. E. Gorton, as-
signors to United Aircraft Corporation, East Hartford,
Conn. Blade form for supercharger impellers.
2,469,458, May 10.
- Dunner, Theodore, Farmington, and W. Keller, Flint,
Mich. Emergency traction device. 2,464,564, Mar. 15.
- Dunning, Robert M., assignor to Waldorf Paper Products
Company, St. Paul, Minn. Corner lock construction.
2,475,279, July 5.
- Dunning, Robert M., assignor to Waldorf Paper Products
Company, St. Paul, Minn. Carton. 2,481,405, Sept. 6.
- Dunning, Sanford F., Glen Ellyn, Ill., assignor to American
Telephone and Telegraph Company. Device for
timing telephone calls. 2,492,381, Dec. 27.
- Dunston, James M., Jeffersonville, Ind. Bread cooling and
proofing rack. 2,470,765, May 24.
- Dunton, Harold J., San Jose, Calif. Beneficiating cherty
minerals. 2,491,302, Dec. 13.
- Dupas, Eugene A.: *See*—
Meiners, Richard H., and Dupas.
- Dupas, Robert, Clichy, France, assignor to Standard Oil
Development Company, New York, N. Y. Composition
for increasing the adhesive power of bitumens and tars.
2,482,331, Sept. 20.
- Du Perret, Arthur W., assignor to Automatic Devices, In-
corporated, St. Louis, Mo. Scaffold. 2,468,186, Apr. 26.
- Dupertius, Bernard, Rochelle Park, assignor to Du Bern
Company, Inc., Passaic, N. J. Device for making indicia
for watch dials or the like. 2,466,585, Apr. 5.
- Duplan Corporation, The, assignee: *See*—
Cochran, John K.
- Cochran, John K., and Pfister.
- Duplessis, René E., Beverly, Mass., assignor to United
Shoe Machinery Corporation, Flemington, N. J. Power-
operated gun turret and control mechanism therefor.
2,491,608, Dec. 20.
- Dupont, Clarence E.: *See*—
Farr, Warren H., Eksbergian, and Dupont.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
Alderson, Witty L., Jr., and Robertson.
Alles, Francis P., and Saner.
Amos, Stephen E.
Anderson, Arthur W.
Anderson, Arthur W., and Sperati.
Arnold, Harold W.
Arnold, Harold W., and Searle.
Arnold, Melvin R.
Arthur, Paul, Jr.
Babcock, Dale F.
Ballard, Kermit H.
Barney, Arthur L.
Barriek, Paul L., and Pavlic.
Barrows, Robert S.
Baum, Arthur A.
Beachell, Harold C.
Beachell, Harold C., and Sveda.
Beard Earl E.
Belcher, Clarence F., and Mero.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
Continued.
Benning, Anthony F., Park, and Krahler.
Berry, Kenneth L.
Birkenhauer, Robert J.
Blomquist, John H.
Bogese, Stephen B.
Boller, Ernest R., Eubank, and Kepfer.
Booge, James E., and Gullede.
Borcherdt, Gerald T.
Bordner, Charles A.
Bowen, Griffith.
Brant, Gilbert W.
Brown, Arthur R., Hucks, and Johnson.
Bryant, Harold W.
Burk, Robert E.
Burke, William J.
Burrows, Lawton A., and Girdler.
Cadot, Henry M.
Cairns, Theodore L.
Cairns, Theodore L., Larchar, and McKusick.
Carson, Boyce G.
Cass, Oliver W.
Cavanaugh, Robert M., and Lufkin.
Chadwick, Albert F.
Clem, Willis J.
Clem, Willis J., and Plunkett.
Cline, Edward T.
Coffman, Donald D., and Cramer.
Coffman, Donald D., and Jacobson.
Conklin, Oliver E.
Connell, John A.
Corner, James O., and Woodward.
Corinthwaite, William R.
Corinthwaite, William R., and Bryant.
Corinthwaite, William R., and Flodin.
Craven, Robert L.
Cupery, Martin E.
Deinet, Joseph, and Stilmar.
Deyrup, Alden J.
Dickson, James T.
Dietrich, Melvin A.
Edgar, Donald E.
Ernsberger, Maurice L.
Eubank, Lowell D.
Eubank, Lowell D., and Krister.
Ewing, Alvin L.
Farlow, Mark W.
Fay, Robert E., Jr.
Fletcher, David A.
Fletcher, David A., and Taylor.
Ford, Thomas A.
Frank, Charles E.
Freed, William V.
Goebel, Max T.
Goldrick, Richard M., and Marks.
Grace, Worthington T., and Muller, Jr.
Gray, Allen G., Gresham, and Loder.
Green, Duane L.
Gresham, William F.
Gresham, William F., and Bell.
Gresham, William F., and Brooks.
Gresham, William F., and Bruner.
Gresham, William F., and Gribbins.
Gresham, William F., and Hardy.
Gresham, William F., and Schweitzer.
Gresham, William F., and Tabet.
Hager, Glenn F.
Hallowell, Alban T.
Hamilton, Lyle A., and Pedersen.
Hanford, William E., and Joyce, Jr.
Hanford, William E., Roland, and Mochel.
Hanford, William E., and Roland, Jr.
Hansley, Virgil L.
Happoldt, William B., Jr.
Harbaugh, Max L.
Hare, Weston A.
Harmon, Jesse.
Harris, Charles R.
Hauser, Paul M.
Hawkinson, Alfred T., Gralow, and May.
Herrman, Carl V., and Myers.
Hill, Julian W.
Hoffman, Raymond A.
Holbrook, George E.
Holmen, Reynold E.
Houtz, Ray C.
Howk, Benjamin W.
Hucks, Robert T., and Denslow.
Hunt, Madison.
Hunt, Madison, Weinmayr, and Sartori.
Hunt, Madison, Weinmayr, and Willett, Jr.
Izard, Emmette F.
Jennings, Alfred J.
Johnson, Charles C.
Johnson, Charles R.
Johnson, Charles W.
Johnson, John R., and Whitman.
Johnson, Winford B., and MacCormack.
Johnston, Frederick L., and Richter.
Joyce, Robert M., Jr., and Sauer.
Kang, Bun P.
K'Burg, Paul B., and Reichert.
Kent, Robert E., and Stockfleth.

- Du Pont, E. I., de Nemours & Company, assignee: *See*—
Continued.
- Kertesz, Francois.
Kingerley, Richard W., Jr.
Kirby, Donald T. and Chain.
Kirby, James E., and Sharkey.
Kirk, Joseph S.
Kirk, William, Jr., and du Pont.
Kirk, William, Jr., and Schreiber.
Klabunde, Walter.
Klein, David X.
Klein, David X., and Kvalnes.
Krechma, Ignace J.
Krechma, Ignace J., and Booge.
Kvalnes, Hamline M.
Kvalnes, Hamline M., and Chance.
Langkammerer, Carl M.
Lanning, Daniel D.
Leary, Richard E.
Lee, Henry R., and Weinmayr.
Leekley, Robert M.
Leininger, Paul M.
Levine, Arthur A.
Lichtenberg, Edward N.
Lindsey, Richard V., Jr.
Locke, Roy C.
Loder, Donald J.
Londergan, Thomas E.
Lontz, John F.
MacDonald, Robert N., and Bothrock.
Mahlberg, Elroy F.
Marks, Barnard M.
Martin, Elmore L.
Marvel, Carl S.
McBurney, Dorman.
McClellan, William R.
McGrew, Frank C., and Sharkey.
McKinley, Theodore D.
McKusick, Blaine C.
McQueen, David M.
McQueen, David M., and Weaver.
McQueen, David M., and Woodward.
Meloan, Daniel T.
Meschter, Emery.
Mighton, Charles J.
Miller, Charles F.
Miller, Charles J., Jr., and Sorenson.
Miller, Henry C.
Miller, Ross J.
Morrow, Raymond W., and Parsons.
Mortenson, Carl W.
Mowery, Dwight F., Jr.
Murphy, Clyde G., and Sermattei.
Murray, Otis W.
Myers, Lee A.
Nagle, Wesley M.
Nebel, Oswald A.
Nerlinger, Ludwig F.
Oldach, Carl S.
Olson, Carl M.
Olson, Carl M., and Krechma.
Pavlic, Albert A.
Payne, Willard A.
Peirce, George A.
Piki, Josef.
Pinkney, Paul S.
Plambeck, Louis, Jr.
Plunkett, Roy J.
Pollock, Frank S., Jr.
Pratt, Burt C.
Quinn, Joseph L.
Raker, Herman C., and Stein.
Richards, Lawrence M.
Riches, Welsey W.
Richmond, Adah B.
Rigby, George W.
Rintelman, William L.
Robertson, James A.
Robinson, John W.
Roedel, Milton J.
Rogers, Arthur O.
Rogers, Dean C.
Rohrmann, Charles A.
Roland, John R., and Harmon.
Rosenberg, Hans R.
Rothrock, Henry S., and Wayne.
Roush, Richard J.
Ryan, Lawrence F.
Salisbury, Leroy F.
Salzburg, Paul L.
Sanders, Paul A.
Sargent, Donald E., and Hanford.
Schaumann, Holger H.
Schmidt, Edgar H.
Schreiber, Richard S.
Schroeder, Herman E.
Scott, George W.
Scott, Norman D.
Scott, Robert B., Jr.
Scott, William E.
Searle, Norman E.
Sermattei, John P.
Sharkey, William H.
Shirley, David A.
Signaigo, Frank K.
- Du Pont, E. I., de Nemours & Company, assignee: *See*—
Continued.
- Smith, Frank E.
Smutz, Walter D.
Stamatoff, Gelu S.
Stiles, Alvin B.
Stilmar, Frederic B.
Stott, Philip H., and Shimp.
Strain, Daniel E., and Osgood.
Sturgis, Bernard M.
Sturgis, Bernard M., and Baum.
Sturgis, Bernard M., and Trepagnier.
Sveda, Michael.
Tauch, Ernest J.
Taylor, Guy B.
Temple, Sterling.
Trepagnier, Joseph H.
Vaala, Gordon T.
Vana, Charles A.
Verbanc, John J.
Vincent, John R.
Vining, William H.
Vinton, William H.
Waalkes, Tennis P.
Walker, Herbert W., and Morrow.
Walker, Isaac F.
Walker, Joseph F.
Walker, Joseph F., and Londergan.
Walsh, Robert H.
Waltz, Joseph E.
Watkins, William W.
Watson, Frederick K., and Arthur, Jr.
Webb, Irving D.
Webb, Irving D., and Tabet.
Weinmayr, Viktor.
Wentz, William M.
Wernlund, Christian J.
Wernitz, James H.
Whinfield, John R., and Dickson.
White, Jesse O.
Whitman, Gerald M.
Whitman, Gerald M., and Scott.
Wiley, Richard H.
Williams, Thurman V.
Williams, Thurman V., Jr.
Wilson, Charles E., Jr.
Wilson, Cyril D.
Wood, William H.
Woodell, Rudolph.
Woodward, David W.
Young, James H.
Yates, Edward S.
Young, James H.
Yule, George W.
- Dupont, Roland, Epernay, France. Electric circuit breaker. 2,488,275, Nov. 15.
- Du Pré, Frits K., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Refrigerating apparatus actuated by a hot-gas engine. 2,468,293, Apr. 26.
- Dupuy, Charles F. J., assignor to O-Cedar Corp'n, Chicago, Ill. Display and demonstration apparatus. 2,466,162, Apr. 5.
- Dupuy, Charles F. J., Mahwah, N. J., assignor to O'Cedar Corp'n, Chicago, Ill. Vaporizing device. 2,481,296, Sept. 6.
- Durakool, Inc., assignee: *See*—
Keating, John P.
- Durand, Samuel R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Induction heating system and progressively heating a series of objects. 2,465,306, Mar. 22.
- Durant, Lyndon A., Chicago, Ill., assignor to Royal Patent Corporation. Automatic time control device for coin-operated phonograph apparatus. 2,472,287, June 7.
- Durant, Lyndon A., Chicago, Ill., assignor to Royal Patent Corporation. Free-play control circuit for amusement games. 2,479,707, Aug. 23.
- Durant Manufacturing Co., assignee: *See*—
Hennessy, Mark M.
- Durbin, Peter M., Hilbert, Wis. Bee feeder. 2,492,468, Dec. 27.
- Durbin, Lauretta H., assignor of fifty per cent to M. M. Durbin, Casper, Wyo. Novelty ornament. 2,474,236, June 28.
- Durbin, Miner M., assignee: *See*—
Durbin, Lauretta H.
- Durda, Stanley J.: *See*—
Garrigan, John E., and Durda.
- Durel, Pierre, and P. Dubost, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Insulin preparations. 2,474,729, June 28.
- Durex Products, Incorporated, assignee: *See*—
Young, Thomas.
- Durfee, Benjamin M.: *See*—
Lake, Clair D., Durfee and Dickinson.
- Durfee, Walter W., and J. P. Foley, Lorain, Ohio, assignors to National Tube Company. Blowing in blast furnaces. 2,468,738, May 3.
- Durgin, Frank W.: *See*—
Charles, Robert F., and Durgin.
- Durham, Claude T., Bothell, Wash. Ski binding. 2,491,485, Dec. 20.

- Duriron Company, Inc., The, assignee: *See*—
Baker, Guy A., and Parsons.
Bettcher, Mortimer L.
Jack, Delbert F.
Jacobsen, Oystein.
- Durland, John K., Nitro. W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of vinyl compounds. 2,458,494, Jan. 11.
- Durning, James P., deceased, late of St. Albans, N. Y., by J. L. Durning, executrix, St. Albans, N. Y., assignor to International Cigar Machinery Company. Cigar machine. 2,470,766, May 24.
- Durning, Jean L., executrix: *See*—
Durning, James P.
- Duro Company, The, assignee: *See*—
Gurley, John W.
- Du Rose, Arthur H., Euclid, and J. D. Little, Lakewood, assignors to The Harshaw Chemical Company, Elyria, Ohio. Lead-tin alloy plating. 2,460,252, Jan. 25.
- Durrin, Monte K., Little Rock, Ark. Hand loom. Re. 23,071, Jan. 4.
- Durst, George, Attleboro, Mass., and J. C. Van Ryn, Woodstock, N. Y., assignors to Metals & Controls Corporation, Attleboro, Mass. Soldering chain links. 2,492,851, Dec. 27.
- Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of imidazolones. 2,468,324, Apr. 26.
- Dusek, Robert, Berwyn, Ill., assignor to Motorola, Inc. Push-button control head. 2,491,168, Dec. 13.
- Dusevoir, Julius, Dearborn, Mich., assignor to Consolidated Vultee Aircraft Corp., San Diego, Calif. Slidable vane pump. 2,462,732, Feb. 22.
- Du Shane, Wallace H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Control device with adjustable stop. 2,477,589, Aug. 2.
- Dusil, James B.: *See*—
Stronach, Harry S., Emmons, and Dusil.
- Dusplva, Václav, Prague, Czechoslovakia. Casing for card registers of the horizontal type. 2,479,735, Aug. 23.
- Dusseau, Cornelius J., Toledo, Ohio. Spark plug electrode and making same. 2,478,167, Aug. 2.
- Dustin, George F., and R. B. Manning, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Thermoplastic cement. 2,468,594, Apr. 26.
- Dustin, Ralph C., Claremont, N. H., assignor to Joy Manufacturing Company. Pumping apparatus. 2,463,364, Mar. 1.
- Dustman, Herman C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Capacitor with grounded plates mounted on cooling pipes. 2,486,131, Oct. 25.
- Dutcher, Harold W., Lebanon, N. H. Extensible conductor. 2,488,527, Nov. 22.
- Dutcher, Harris A., Borger, Tex., and I. L. Wolk, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of nitriles. 2,467,373, Apr. 19.
- Dutchess Jewelry Manufacturing Corporation, assignee: *See*—
Ohl, Edwin C.
- Dutchess Tool Company, Inc., assignee: *See*—
Seem, Charles B.
- Du Toit, Abraham S. J., Transvaal, Union of South Africa. Apparatus for clearing land mines or mine fields. 2,489,564, Nov. 29.
- Dutra, Norman J., New Bedford, Mass. Telephone conversation temporary interrupter. 2,480,289, Aug. 30.
- Dutterer, Rex J. L., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,478,656, Aug. 9.
- Dutterer, Rex J. L., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,487,531, Nov. 8.
- Dutton, George I., North East, and R. E. Fountain, Erie, Pa., assignors to General Electric Company. Stabilizing circuit. 2,481,986, Sept. 13.
- Duttweiler, Henry S.: *See*—
Deal, Troy M., Baker, and Duttweiler.
- Duval, Bruce, and A. Elce, Banstead, and K. H. W. Tuerck, Buckles Way, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of heptan-3,4-dione and ethyl propyl acrylic acid. 2,465,012, Mar. 22.
- Duvall, Stanley A., assignor to Runzel Cord & Wire Company, Chicago, Ill. Electric conductor. 2,464,124, Mar. 8.
- Duvall, Walter J.: *See*—
Cordrey, Hancil, and Duvall.
- Du Vigneaud, Vincent: *See*—
Wood, John L., and Du Vigneaud.
- Duvoisin, Jean A.: *See*—
Dibble, Frank B., Mercier, Duvoisin, and Gaertner.
- Dux, Henry M., Jacksonville, Fla. Food product. 2,483,761, Oct. 4.
- Dayn, Nick J., Tucson, Ariz. Key case. 2,467,614, Apr. 19.
- D'Vincent, Freeman: *See*—
Pickens, William A., and D'Vincent.
- Dvorak, Ann K., New York, N. Y. Container for nails and the like. 2,475,450, July 5.
- Dvorak, James J., Chicago, Ill. Curtain stretcher. 2,471,943, May 31.
- Dvornikoff, Michael N., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of sulfathiazoles. 2,482,085, Sept. 20.
- Dwyer, Frank W., Chicago, Ill. Pressure gauge. 2,485,437, Oct. 18.
- Dwyer, Martin, Hewlett Harbor, N. Y. Emergency signaling device. 2,481,987, Sept. 13.
- Dwyer, Martin, Hewlett Harbor, and P. B. Edwards, Port Washington, assignors to Aerial Products, Inc., Merrick, N. Y. Self-contained emergency signaling device adapted to be operated automatically after being launched. 2,459,267, Jan. 18.
- Dwyer, Raymond J.: *See*—
Barrie, Arthur J., and Dwyer.
- Dwyer, Theodore H., and W. H. Dildine, United States Navy. Fluid testing device for plungers and barrels. 2,468,050, Apr. 26.
- Dwyer, William P., Kansas City, Mo. Mechanical hobby-horse. 2,478,091, Aug. 2.
- Dybvig, Charles C., Birmingham, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread. 2,459,750, Jan. 18.
- Dybvig, Edwin S., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning apparatus for mounting in windows. 2,486,828, Nov. 1.
- Dye, Glen M., R. B. Maddock, R. Sardeson, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Film processing machine. 2,459,509, Jan. 18.
- Dyer, Charles W., Stratton, Maine. Intermittent film feed. 2,486,393, Nov. 1.
- Dyer, John M., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Condenser. 2,477,688, Aug. 2.
- Dyer, John R., Jr., and T. J. Rowan, Utica, assignors to The Indium Corporation of America, New York, N. Y. Electrodeposition of indium and its alloys. 2,458,839, Jan. 11.
- Dyer, Lloyd W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic trip circuit breaker. 2,491,959, Dec. 20.
- Dyke, Francis R.: *See*—
Kitchin, Donald W., and Dyke.
- Dyke, Joseph L., Norfolk, Va. Air cleaner. 2,487,115, Nov. 8.
- Dyke, Milton, Los Angeles, Calif. Boxcar guard. 2,462,309, Feb. 22.
- Dyke, Milton, San Marino, and E. S. Self, Bakersfield, assignors to Oil Well Chemical and Materials Company, Inc., Los Angeles, Calif. Treatment of drilling fluids. 2,468,657, Apr. 26.
- Dyke, Milton, San Marino, and E. S. Self, Bakersfield, Calif. Treatment of drilling fluids. 2,468,658, Apr. 26.
- Dyke, Milton, and E. S. Self, San Marino, assignor to Oil Well Chemical and Materials Company, Los Angeles, Calif. Treatment of drilling fluids. 2,475,485, July 5.
- Dyker, John A.: *See*—
Dorrington, Neill E., and Dyker.
- Dym, Joseph B.: *See*—
Kehoe, Joseph W., and Dym.
- Dymaxion Dwelling Machines Inc., assignee: *See*—
Eaton, Bill D.
- Dynatomic Corporation, assignee: *See*—
Jaeschke, Ralph L., and Edwards.
- Dysart, Norman A., Mobeetie, assignor, by mesne assignments, to The-Tell Corporation, Amarillo, Tex. Tire pressure indicator. 2,465,435, Mar. 29.
- Dyson, Arthur F., Leeds, England, assignor to Imperial Chemical Industries Limited. Apparatus for crimping or corrugating strip or sheet material. 2,489,125, Nov. 22.
- Dyson, Beatrice N., administratrix: *See*—
Dyson, Louis M.
- Dyson, Horace R., Haddonfield, N. J., assignor to Radio Corporation of America. Submarine attacking device. 2,477,050, July 26.
- Dyson, Louis M.; B. N. Dyson, administratrix of said L. M. Dyson, deceased, assignor to The American Hardware Corporation, New Britain, Conn. Closure fastener. 2,457,985, Jan. 4.
- Dyson, Louis M., B. N. Dyson, administratrix of said L. M. Dyson, deceased, assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,481,093, Sept. 6.
- Dyson, Louis M., New Britain, Conn.; B. N. Dyson, administratrix of said L. M. Dyson, deceased, assignor to The American Hardware Corporation, New Britain, Conn. Key controlled padlock. 2,489,484, Nov. 29.
- Dzus, William, West Islip, N. Y. Fastener. 2,470,344, May 17.
- Dzus, William, West Islip, N. Y. Fastener. 2,474,799, June 28.
- Dzus, William, West Islip, N. Y. Milling machine. 2,482,729, Sept. 20.
- Dzus, William, West Islip, and G. S. King, Bay Shore, N. Y. Surgical toggle bolt. 2,485,531, Oct. 18.
- Dzus, William, West Islip, N. Y. Bone fastening device. 2,489,870, Nov. 29.
- E. A. Laboratories, Inc., assignee: *See*—
Auffero, John M.
Zillotto, Louis.
- E. A. B. Incorporated, assignee: *See*—
Adams, Harold A., and Eichelberger.

- Eades, Marion K., Pasadena, Calif. Automatic shutoff mechanism for milking machines. 2,466,841, Apr. 12.
- Eagle Cone Corporation, assignee: *See*—
Shapiro, Arthur, and Hirschev.
- Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing apparatus for enlargers. 2,469,685, May 10.
- Eagle Manufacturing Company, assignee: *See*—
Freiden, William.
- Eagle Paper Box Company, assignee: *See*—
Bullock, Wayne G.
- Eagle-Picher Company, The, assignee: *See*—
Chubb, Melvin F., and Hense.
Downey, Richard M.
Lindemuth Ralph L.
McCutcheon, Frank G.
Young, Charles E.
- Eaglesfield, Charles C., Bournemouth, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., trustee. Transmission line oscillator. 2,483,189, Sept. 27.
- Eagle Signal Corporation, assignee: *See*—
Pearson, Frank A.
- Eakins, Everett A., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Plastic rivet and making same. 2,458,152, Jan. 4.
- Eakins, Everett A., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Method of making sponge rubber material. 2,458,694, Jan. 11.
- Ealing Studios Limited, assignee: *See*—
Speller, John C. G.
- Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Train-line control system. 2,459,631, Jan. 18.
- Eannarino, George J.: *See*—
Brown, Gilbert G., and Eannarino.
- Eannarino, George, North Arlington, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Selective relay. 2,486,394, Nov. 1.
- Earl, Alfred R., Toledo, Ohio. Gas washing apparatus. 2,480,719, Aug. 30.
- Earl, William, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Universal coupling. 2,491,364, Dec. 13.
- Earle, Clarence E., Washington, D. C., and C. A. Covington, Alexandria, Va. Coupling. Re. 23,120, June 14.
- Earle, Clarence E., Washington, D. C., and C. A. Covington, Arlington, Va. Coupling. 2,463,253, Mar. 1.
- Earle, Edwin L., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone set. 2,478,469, Aug. 9.
- Earle, Guyon L. C., Forest Hills, N. Y., assignor to H. S. Wertz, trustee for the beneficiaries of the Earle Patents Trust. Setback refrigerator. 2,468,719, Apr. 26.
- Earle, Ralph H., Wauwatosa, assignor to Line Material Company, Milwaukee, Wis. Protecting device for transformers. 2,457,879, Jan. 4.
- Earle, Ralph H., Wauwatosa, assignor to Line Material Company, Milwaukee, Wis. Combined lightning arrester and fuse construction. 2,490,952, Dec. 13.
- Earle, Ralph H., Wauwatosa, and R. H. Amundson, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,459,691, Jan. 18.
- Early, Harold C., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Waveguide. 2,479,220, Aug. 16.
- Early, Harold C., Beaverton, and W. G. Dow and R. Ohlsson, Ann Arbor, assignors to General Motors Corporation, Detroit, Mich. High-frequency transformer. 2,474,395, June 28.
- Early, Harold C., Beaverton, and W. G. Dow, Ann Arbor, assignors to General Motors Corporation, Detroit, Mich. Large throat portable welder. 2,491,169, Dec. 13.
- Early, Paul F., Dayton, Ohio, assignor to Standard-Thomson Corporation. Light projecting device. 2,481,988, Sept. 13.
- Earnest, Frank W., Jr., Wilkes-Barre, Pa. Ice disintegrating utensil. 2,474,100, June 21.
- Earnest, Homer C., Tulsa, Okla. Hook retaining device. 2,487,428, Nov. 8.
- Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Oscillation generator. 2,462,078, Feb. 22.
- Earp, Charles W., London, W. C. 2, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Interference reducing radio impulse receiver. 2,471,418, May 31.
- Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Receiving system for frequency or pulse modulated electromagnetic waves. 2,476,964, July 26.
- Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for selection and demodulation of electrical pulses. 2,490,039, Dec. 6.
- Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Mechanical modulator for radio beacons utilizing two tones. 2,492,138, Dec. 27.
- Earp, Charles W., and J. D. Weston, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Automatic radio direction finding system. 2,485,578, Oct. 25.
- Earwicker, George A.: *See*—
Main-Smith, John D., Dodd, Sim, Lyon, Hillier, and Earwicker.
- Easley, Gilbert J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,733, Feb. 22.
- Easley, Gilbert J., Forest Hills, and R. O. Bonine, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,470,608, May 17.
- Easlick, Lloyd H., Flourtown, assignor to Pioneer Suspender Company, Philadelphia, Pa. Resilient expandible buckle mounting. 2,486,356, Oct. 25.
- Easter, George J.: *See*—
Ries, Kernell G., Goepfert, and Easter.
- Easter, William M., Jr.: *See*—
Carpenter, Marion S., and Easter.
- Easterday, Karl, Culver City, Calif. Automatic shutter mechanism for Pitot tubes. 2,488,810, Nov. 22.
- Eastern Air Devices, Inc., assignee: *See*—
Kopprasch, Robert W.
- Eastern Clay Products, Inc., assignee: *See*—
Grube, Kenneth R.
- Eastern Industries, Incorporated, assignee: *See*—
Barker, John L.
- Eastern Rubber Specialties, assignee: *See*—
Teston, Rebecca O.
- Eastern Tool and Manufacturing Company, assignee: *See*—
Elwell, George H.
- Easterwood, Birch D., Fort Worth, Tex. Seating for stadiums or gymnasiums. 2,466,982, Apr. 12.
- East Lancashire Chemical Company Limited, assignee: *See*—
Sellars, John C.
- Eastman, A. Reyner, Rockford, Ill. Acoustic switch. 2,466,881, Apr. 12.
- Eastman, Byron L., San Francisco, Calif. Diaphragm valve. 2,487,226, Nov. 8.
- Eastman, David P., assignor to United Specialties Company, Chicago, Ill. Turbine wheel. 2,484,274, Oct. 11.
- Eastman, David P., assignor to United Specialties Company, Chicago, Ill. Supercharger seal. 2,484,275, Oct. 11.
- Eastman, David P., assignor to United Specialties Company, Chicago, Ill. Turbo supercharger. 2,487,532, Nov. 8.
- Eastman, du Bois, Scarsdale, assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbon oil. 2,491,303, Dec. 13.
- Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rocket launching apparatus. 2,485,715, Oct. 25.
- Eastman, Fred C., Marblehead, and P. E. Burby, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. End lasting machine. 2,490,900, Dec. 13.
- Eastman, Fred C., Marblehead, and P. E. Burby, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Fastening-inserting machine. 2,490,901, Dec. 13.
- Eastman, Fred L., assignor to Compco Corporation, Chicago, Ill. Reflector apparatus. 2,465,519, Mar. 29.
- Eastman, Harlan J., assignor to Eastman Oil Well Survey Company, Denver, Colo. Locating water and gaseous fluid stratas in well bores. 2,480,720, Aug. 30.
- Eastman, Harold G., assignor of one-half to R. Turck, Arlington, and one-half to S. W. De Vore, Tarrant County, Tex. Mixer for dry and wet ingredients. 2,487,533, Nov. 8.
- Eastman Kodak Company, assignee: *See*—
Adams, Harold A., and Eichelberger.
Altman, Fred E.
Altman, Fred E., and Melech.
Boon, Joseph L.
Brooker, Leslie G. S.
Brooker, Leslie G. S., and Sprague.
Brooker, Leslie G. S., and White.
Brooker, Leslie G. S., Holcomb, and Banks.
Brown, Morris E.
Caldwell, John R.
Caldwell, John R., and Hagemeyer.
Capstaff, John G.
Carroll, Burt H.
Carroll, Burt H., and Spence.
Carroll, Burt H., and West.
Carter, Edward H., and Sartain.
Clark, Frederick G.
Cleveland, Harry W.
Coover, Harry W., Dickey, and Towne.
Creighton, Philip E.
Cressman, Homer W. J.
Damschroeder, Rudolph E., and Kauffman
Dean, David, and Houck.
De Paolis, Paul F.
Dickey, Joseph B.
Dickey, Joseph B., and McNally.
Dickey, Joseph B., and Stanin.
Dickey, Joseph B., Loria, and Towne.

Eastman Kodak Company, assignee: *See*—Continued.

Dickey, Joseph B., Stanin, and Coover, Jr.
 Fierke, Scheuring S.
 Fierke, Scheuring S., and Chechak.
 Fordyce, Charles R., and Crane.
 Eagle, John H.
 Evans, John C.
 Fowler, William F., Jr., and Kenyon.
 Fritts, Edwin C.
 Fuerst, Carl C.
 Gardner, Harold A.
 Gardner, Thomas S.
 Gearhart, William M., and Gardner.
 Gearhart, William M., and Meyer.
 Gillon, John W., and Haraden.
 Glassey, Courtney Q.
 Graham, Charles L., and Dietz.
 Gregory, Walter A.
 Gresham, Donald C.
 Gresham, Donald C., and Loening.
 Griggs, William H.
 Hagemeyer, Hugh J., Jr.
 Hagemeyer, Hugh J., Jr., and Cooper.
 Hale, Thomas A.
 Hamer, Frances M., Rathbone, and Winton.
 Hanson, Wesley T., Jr.
 Harrison, Henry.
 Harvey, Douglass C.
 Hasche, Rudolph L., and Brant.
 Henn, Richard W.
 Henn, Richard W., and Crabtree.
 Herdle, Lloyd E., and Perkins.
 Herzberger, Maximilian J.
 Herzberger, Maximilian J., and Hoadley.
 Hiatt, Gordon D.
 Hiatt, Gordon D., and Crane.
 Hill, Hubert M., and Towne.
 Hincke, William B., and Malm.
 Hincke, William B., and Richter.
 Hopkins, Roy S.
 Hughey, Carter J.
 Hull, David C.
 Hull, David C., and Snodgrass.
 Hull, David C., and Agett.
 Hull, David C., and Quarles.
 Hunt, Robert W. G.
 Hutchison, Miller R., Jr.
 Isaac, Joseph.
 Jelley, Edwin E., and Vittum.
 Kenyon, William O., and Fowler, Jr.
 Kenyon, William O., and Murray, Jr.
 Kenyon, William O., and Unruh.
 Kenyon, William O., and Van Campen.
 Keyes, Grafton H.
 Knott, Edward B.
 Knott, Edward B., and Morgan.
 Knott, Edward B., Hamer, and Rathbone.
 Kunz, Charles J.
 Lamb, Reginald T.
 Laakso, Thomas T. M., and Kenyon.
 Lee, Charles M.
 Lowe, Wesley G.
 Lowe, Wesley G., and Griffin.
 Luboshez, Benjamin E.
 Magoffin, James E., and Hagemeyer, Jr.
 Maier, Martin S.
 Malm, Carl J.
 Malm, Carl J., and Bearden.
 Malm, Carl J., and Crane.
 Martinson, Lawrence E., and Kuan-Han Sun.
 McAdam, Ralph E., and Bauer.
 McLeod, John H.
 McNally, James G., and Dickey.
 McRae, Daniel B., and McLeod.
 Mihalyi, Joseph.
 Mihalyi, Joseph and Philips.
 Minsk, Louis M., and Kenyon.
 Minsk, Louis M., Kenyon, and Van Campen.
 Moon, Neil S.
 Morey, Leon P.
 Murray, Alexander.
 Nadeau, Gale F.
 Nadeau, Gale F., and Starck.
 Peterson, Charles W.
 Quigley, John L., and Harvey.
 Reed, Alfred B.
 Reynolds, Delbert D., and Kenyon.
 Reynolds, Delbert D., and Van Campen.
 Richter, George A., and Herdle.
 Richter, George A., and MacClaren.
 Russell, Harold D., and Crabtree.
 Russell, John, and Stauffer.
 Salo, Martin.
 Salo, Martin, and Vivian.
 Schade, Willy.
 Schade, Willy, and Van Graafeiland.
 Schubert, Alvin E., and Hintz.
 Smith, Cedric Harold.
 Smith, William F., and Stauffer.
 Smith, William F., and Trivelli.
 Sprague, Robert H.
 Sprague, Robert H., and Brooker.
 Staehle, Henry C.
 Staehle, Henry C., and Amering.

Eastman Kodak Company, assignee: *See*—Continued.

Stauffer, Robert E., and Smith.
 Stauffer, Robert E., and Spence.
 Stone, Herbert G.
 Sun, Kuan-Han.
 Sun, Kuan-Han, and Callear.
 Sun, Kuan-Han, and Huggins.
 Tuttle, Clifton M., and Kunz.
 Tuttle, Clifton M., Cartwright, and Eichler.
 Tuttle, Fordyce.
 Urbach, Franz.
 Utermohlen, William P., Jr.
 Vanslow, Waldemar and Quirk.
 Van Zandt, Gertrude, and Brooker.
 Vittum, Paul W., and Weissberger.
 Von Bramer, Harold.
 Wangerin, Elmer O., and Walker.
 Weissberger, Arnold, and Salminen.
 Weissberger, Arnold, Salminen, and Vittum.
 Wolff, Frederick J., Jr.
 Werth, Lloyd L.
 White, Frank L., and Brooker.
 Wittel, Otto.
 Wood, Donald L.
 Yule, John A. C.
 Yule, John A. C., and Johnston.
 Eastman Mfg. Company, assignee: *See*—
 Hallisy, Raymond J.
 Eastman, Marguerite R., Richmond, Calif. Low-pressure indicator. 2,479,915, Aug. 23.
 Eastman, Nathaniel, New York, N. Y., assignor to New England Plastic Co. Inc., Leominster, Mass. Pry off type jar cap remover. 2,473,870, June 21.
 Eastman, Nathaniel, New York, N. Y. Fruit-cutting and juice-expressing machine. 2,479,194, Aug. 16.
 Eastman Oil Well Survey Company, assignee: *See*—
 Eastman, Harlan J.
 Engle, Charles T.
 Goble, Ralph W., and Jackson.
 Jackson, Gordon.
 Lenzen, Frederick, and Jackson.
 Wiley, Ross E.
 Eastman, Robert A., and R. R. Balboa Island, Calif. Sealing strip and guide for slidable closures. 2,478,470, Aug. 9.
 Eastman, Rosamond R.: *See*—
 Eastman, Robert A., and R. R.
 Eastman, Sidney L., Cleveland Heights, and C. M. Johns, assignors to The Cleveland Worm & Gear Company, Cleveland, Ohio. Air-cooled reduction gear unit. 2,481,914, Sept. 13.
 Easton, Bertie, Saginaw, Mich. Electrical plug and jack connection. 2,483,815, Oct. 4.
 Easton Car & Construction Company, assignee: *See*—
 Fraunfelder, George D.
 Easton, Erving E.: *See*—
 Hoover, George W., and Easton.
 Easton, Harlan J., Blooming Prairie, Minn. Milker tube holder. 2,477,366, July 26.
 Easton, Russell P., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing composition. 2,461,467, Feb. 8.
 Easton, Russell P., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film forming solution of cellulose acetate. 2,464,784, Mar. 22.
 Easton, Russell P., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Nitrocellulose subbing composition for polyvinyl resin film supports. 2,483,966, Oct. 4.
 East Shore Machine Products Company, assignee: *See*—
 Girz, Adolph.
 Eastwood, Abraham B., Abington, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Cutoff machine. 2,459,068, Jan. 11.
 Eastwood, Sylvander C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. High-temperature hydrocarbon conversion process. 2,460,219, Jan. 25.
 Eaton, Bill D., assignor to Dymaxlon Dwelling Machines Inc., Wichita, Kans. Fastening means. 2,466,013, Apr. 5.
 Eaton, Charles F., Methuen, assignor to Bennett Incorporated, Cambridge, Mass. Wax slabbing apparatus. 2,476,710, July 19.
 Eaton, Edwin D., Bloomfield, Conn., and F. W. Catudal, Providence, R. I., assignors to United Aircraft Corporation, East Hartford, Conn. Adjustable cone orifice. 2,462,953, Mar. 1.
 Eaton, Frank L., Jr., Auburn, and P. O. Soderlund, assignors to Johnson & Bassett, Inc., Worcester, Mass. Power transmission mechanism for spinning mules. 2,475,486, July 5.
 Eaton, Fred L., San Francisco, Calif. Chuck. 2,479,560, Aug. 23.
 Eaton, George, assignor to The Desmond-Stephan Mfg. Co., Urbana, Ohio. Grinding wheel dresser. 2,469,871, May 10.
 Eaton, James T.: *See*—
 Barber, Sidney J., and Eaton.
 Eaton, James W., Chicago, Ill. Garment hanger. 2,481,206, Sept. 6.
 Eaton, John L.: *See*—
 Fenn, John B., and Eaton.

- Eaton, John L., Trenton, Mich., assignor to Sharples Chemicals Inc. Manufacture of organic polysulfides. 2,464,799, Mar. 22.
- Eaton, John L., Trenton, and J. B. Fenn, Riverview, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Condensation of olefinic compounds with hydrogen sulfide. 2,468,759, May 3.
- Eaton Laboratories, Inc., assignee: *See—*
Kimel, Walter, Coleman, and Stillman.
- Eaton, Lewis B., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Apparatus for producing bags. 2,475,950, July 12.
- Eaton, Malcolm W., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Gauging switch. 2,469,686, May 10.
- Eaton Manufacturing Company, assignee: *See—*
Bunte, George F.
Darash, Nicholas P.
Findley, Howard J.
Findley, Howard J., and Beatty.
Reed, George R.
Russell, Robert C.
Witchger, Eugene S.
- Eaton Pump Manufacturing Company, Inc., assignee: *See—*
Jones, Guy A.
- Eaton, Roland D., Huntington Park, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Lamp filament mount. 2,479,221, Aug. 16.
- Eaton, Stanley B., Berkeley Heights, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Temperature controlled crystal holder. 2,462,850.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control system. 2,464,636, Mar. 15.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,472,653, June 7.
- Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control system. 2,487,116, Nov. 8.
- Eaton, Wilfred A., Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure system. 2,475,701, July 12.
- Eaton, Wilfred A., Oakville, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Brake mechanism. 2,487,117, Nov. 8.
- Eaves, Carson D., Memphis, Tenn. Track lining device. 2,474,826, July 12.
- Eaves, William C., Elyria, Ohio. Bracket. 2,484,021, Oct. 11.
- Ebbeler, John R., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Antenna for signal receivers. 2,485,264, Oct. 18.
- Ebel, Clarence J., West St. Paul, and R. G. Drew, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 2,484,938, Oct. 18.
- Ebelshausen, Gustave A.: *See—*
Schott, Abel, and Ebelshausen.
- Ebenhoe, John J., Manitowoc, Wis. Mower for use on hills. 2,483,762, Oct. 4.
- Eberhardt, Elsie R., Wilmington, Del. Clothes drier. 2,479,916, Aug. 23.
- Eberhardt, Walter, Chicago, Ill. Thermostatically responsive valve. 2,486,706, Nov. 1.
- Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grille assembly for an air-conditioning apparatus. 2,469,955, May 10.
- Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air conditioning apparatus. 2,488,589, Nov. 22.
- Eberhart, Dale E., Bound Brook, H. Z. Lecher, Plainfield, and M. Scatera, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. o-alkoxybenzoyl derivatives of 4,4'-diaminostilbene-2,2'-disulfonic acid. 2,468,431, Apr. 26.
- Eberhart, Dale R.: *See—*
Lecher, Hans Z., and Eberhart.
Scatera, Mario, and Eberhart.
- Eberhart, Henry T., Long Beach, Calif. Lawn edger. 2,484,276, Oct. 11.
- Eberl, James J., Bound Brook, N. J., and R. T. Trelfa, Kalamazoo, Mich., assignors to Hercules Powder Company, Wilmington, Del. Isolating undenatured soybean protein. 2,479,481, Aug. 16.
- Eberl, James J., Bound Brook, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparing protein dispersions. 2,484,878, Oct. 18.
- Eberle, Jack F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrofluorination with copper-related metal catalysts. 2,481,207, Sept. 6.
- Eberle, Jack F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrofluorination with metallic mixtures as catalyst. 2,481,208, Sept. 6.
- Eberle, Philip F., San Francisco, Calif. Shoe with pointed sole and ribbed upper. 2,487,227, Nov. 8.
- Eberlein, Otto H., Lakewood, and L. L. Young, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Automatic template controlled machine tool. 2,485,716, Oct. 25.
- Eberly, Warren S.: *See—*
Post, Carl B., and Eberly.
- Eberman, Augustus H., Geneva, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Aircraft release device. 2,470,294, May 17.
- Ebersol, Amos R., Lancaster, Pa. Jaw crusher, compound movement. 2,485,717, Oct. 25.
- Ebersol, Amos R., Lancaster, Pa. Plural stage jaw crusher, including independent means for adjusting the discharge gap of each stage. 2,485,718, Oct. 25.
- Ebersole, George B., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Air-swept pulverizer having internal flow area adjusting means. 2,473,514, June 21.
- Ebert, Dwight L., and G. E. Olson, assignors to Olson Filtration Engineers, Inc., Chicago, Ill. Filter. 2,487,769, Nov. 8.
- Ebert, Ludwig, New York, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Foldable display device and easel. 2,474,659, June 23.
- Eberwine, Theodore R., Cleveland Heights, Ohio. Tapping tube and liquid level indicator. 2,483,967, Oct. 4.
- Ebling, Paul, assignee: *See—*
Ecklund, Joseph E.
- Eby, Ivan D., New York, N. Y. Device for determining the depth of liquids. 2,471,026, May 24.
- Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Reclaiming synthetic olefin-polyolefin-rubbery polymers. 2,471,866, May 31.
- Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of mercaptans. 2,472,470, June 7.
- Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of thio-ethers. 2,472,471, June 7.
- Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of tertiary alkyl sulfenamides. 2,474,237, June 28.
- Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Separation of triisobutylene isomers. 2,485,265, Oct. 18.
- Eby, Lawrence T., Roselle, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil containing an anti-oxidant. 2,462,616, Feb. 22.
- Ecabert, Walter L., assignor to Baker Refrigeration Corporation. Equalizing check valve for compressors. 2,474,892, July 5.
- Echlin, Beryl G., assignee: *See—*
Echlin, John E., and Echlin, B. G.
- Echlin, John E., assignor to B. G. Echlin, New Haven, Conn. Display or storage cabinet. 2,466,882, Apr. 12.
- Echols, Thomas B., Fort Worth, and R. V. Howell, Dallas, Tex.; said Howell assignor to said Echols. Machine for fabricating radiator fins. 2,483,694, Oct. 4.
- Eck, Howard W., deceased, East Lansing, Mich., by L. B. and H. F. Kilgore, Washington, D. C., assignees, and J. H. Ford, Kalamazoo, Mich. Lethal composition for insects. Re. 23,080, Jan. 25.
- Eck, Myron Y., Dayton, Ohio. Commutator. 2,470,096, May 17.
- Eck, Myron Y., and J. J. Hodapp, Dayton, Ohio. Single null loop antenna. 2,474,238, June 28.
- Eck, William, assignor to Wisconsin Aluminum Foundry Company, Manitowoc, Wis. Apparatus for testing pressure gauges. 2,459,769, Jan. 18.
- Eckel, Arthur F., assignor to M. S. Eckel, Chicago, and L. W. Pickett, La Grange, Ill. Calculator and decimal point locator. 2,466,883, Apr. 12.
- Eckel, Arthur F., Evanston, assignor to L. Pickett, La Grange, and M. Eckel, Evanston, Ill. Slide rule. 2,466,983, Apr. 12.
- Eckel, Arthur F., Evanston, assignor to L. Pickett, La Grange, and M. Eckel, Evanston, Ill. Motion controlling means for slide rules. 2,476,442, July 19.
- Eckel, Arthur F., Chicago, assignor to L. Pickett, La Grange, and M. Eckel, Evanston, Ill. Interchangeable scale for slide rules. 2,491,650, Dec. 20.
- Eckel, Myrtle, assignee: *See—*
Eckel, Arthur F.
- Eckels, H. S., & Co., Incorporated, assignee: *See—*
Eckels, John H.
- Eckles, Howard W.: *See—*
Lindberg, Caryl A., and Eckles.
- Eckels, John H., Merchantville, N. J., assignor to H. S. Eckels & Co., Incorporated, Philadelphia, Pa. Embalming apparatus. 2,462,617, Feb. 22.
- Ecker, Howard W., St. Paul, Minn. Control device for starting windings of split-phase induction motors. 2,477,120, July 26.
- Eckert, Adolf P., Milford, assignor to Ford Motor Company, Dearborn, Mich. Fuel pump and distributor drive. 2,482,332, Sept. 20.
- Eckert, Christ W.: *See—*
Armbrust, John, and Eckert.
- Eckert, John E.: *See—*
Sendzimir, Tadeusz, and Eckert.
- Eckert, Samuel B., Haverford, Pa. Stroke varying mechanism for wash plate engines. 2,465,638, Mar. 29.
- Eckert, Wallace J., Washington, D. C. Sextant or the like. 2,482,749, Sept. 27.
- Eckert, William F., Rochelle, Ill. Explosion-proof generator. 2,465,436, Mar. 29.

- Eckey, Eddy W., Wyoming, assignor to The Procter and Gamble Company, Cincinnati, Ohio. Preparing carotenoid concentrates from palm oil. 2,460,796, Feb. 1.
- Eckhardt, Paul K., O'Hara Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,492,399, Dec. 27.
- Eckhardt, Walter L., and M. Cawein, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Variable resistance phonograph pickup and system. 2,476,848, July 19.
- Ecklund, Joseph E., assignor of one-fourth to P. Ebling, Minneapolis, Minn. Trailer with tiltable body. 2,485,869, Oct. 25.
- Ecklund, Oscar F., Broadview, Ill., assignor to Thermo Electric Manufacturing Company, Dubuque, Iowa. Furnace door and closure operator therefor. 2,483,968, Oct. 4.
- Eckman, Albert H., Ponca City, Okla. Space scope. 2,470,295, May 17.
- Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air-operated control apparatus with anti-hunting compensation. 2,484,557, Oct. 11.
- Eckman, Donald P., Philadelphia, and W. H. Wannamaker, Jr., Flourtown, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Analyzing method and apparatus. 2,470,434, May 17.
- Eckman, Harry A., assignor to Crane Co., Chicago, Ill. Packing composition for removal of zinc from zinc-coated articles. 2,492,561, Dec. 27.
- Eckman, Meril L., North West Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Culvert forming machine. 2,462,038, Feb. 15.
- Eckstein, George R., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Weighing device. 2,478,381, Aug. 9.
- Eclipse Air Brush Co., assignee: *See*—
Beach, Howard W., Jr.
- Eclipse Counterbore Company, assignee: *See*—
Sturgeon, Edward G., von Valtier, Wiedenbeck, and Butler.
- Economic Machinery Company, assignee: *See*—
Carter, Sidney T.
- Economy Faucet Company, assignee: *See*—
Picut, Frederick C.
- Economy Fuse and Manufacturing Company, assignee: *See*—
Rensner, Gustav.
- Ecrémeuses Mélotte, Société Anonyme, assignee: *See*—
Henard, Fernand J. J.
- Ecroyd, John W.: *See*—
Isherwood, Francis P., and Ecroyd.
- Ecusta Paper Corporation, assignee: *See*—
Corn, William H.
Haswell, Henry L.
Levy, Robert M.
Levy, Robert M., and Brennan.
- Eddison, William B., Irvington, N. Y., assignor to Burnham Corporation. Motor control. 2,481,989, Sept. 13.
- Eddy, Arnold, Middletown, Conn., assignor to Trubenizing Process Corporation, New York, N. Y. Article of apparel and making same. 2,471,203, May 24.
- Eddy, Robert C., Elizabethtown, Pa., assignor to Radio Corporation of America. Deflection circuit. 2,488,386, Nov. 15.
- Eddy, William R.: *See*—
Garretson, O. L., Eddy, and St. Clair.
- Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Generator, heat exchanger, and circulator in absorption refrigeration systems. 2,479,062, Aug. 16.
- Edelman, Abraham: *See*—
De Giers, Clarence A., and Edelman.
- Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Totalizer. 2,473,578, June 21.
- Edelmann, Leo, Chicago, Ill. Thermohydrometer. 2,464,677, Mar. 15.
- Edels, Harry, Stafford, assignor to The English Electric Company Limited, London, England. Electric arc welding. 2,473,871, June 21.
- Edelstein, Florence K., assignee: *See*—
Koch, Max.
- Edelstein, Sidney M., Elizageth, N. J. Textile treatment with alkali-zincate solutions of cellulose ethers. 2,465,520, Mar. 29.
- Edelston, Frederick C., assignor to Clarvan Corporation, Milwaukee, Wis. Combination shipping and display package for typewriters. 2,458,695, Jan. 11.
- Eder, Vernon L., and A. E. Ackeret, Indianapolis, Ind., said Ackeret assignor to said Eder. Remote control of outboard motor throttle. 2,492,213, Dec. 27.
- Ederer Engineering Company, assignee: *See*—
Haumann, George.
- Edgar, David, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun mount. 2,460,380, Feb. 1.
- Edgar, Donald E., Westport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions and preparing same. 2,482,252, Sept. 20.
- Edgar, Joseph C., Arlington, Va. Hanger. 2,464,295, Mar. 15.
- Edge, Dexter, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Metallurgical heating furnace. 2,478,092, Aug. 2.
- Edge, Walter S., Kansas City, Mo. Structural member. 2,465,074, Mar. 22.
- Edgerton, Albert K., Los Angeles, Calif. Flash bulb igniter. 2,486,010, Oct. 25.
- Edgerton, Harold E., Belmont, Mass. Electric system, including a vapor-electric discharge device. 2,478,902, Aug. 16.
- Edgerton, Harold E., Belmont, Mass. Stroboscope. 2,478,903, Aug. 16.
- Edgerton, Harold E., Belmont, Mass. Light-flash-producing system. 2,478,904, Aug. 16.
- Edgerton, Harold E., Belmont, Mass. Electric system. 2,478,905, Aug. 16.
- Edgerton, Harold E., Belmont, Mass. Electric system. 2,478,906, Aug. 16.
- Edgerton, Harold E., Belmont, Mass. Electric light-flash-producing system. 2,478,908, Aug. 16.
- Edgerton, Harold E., Watertown, Mass. Electric system. 2,478,901, Aug. 16.
- Edgerton, Harold E., Watertown, Mass. Flash-producing device. 2,478,907, Aug. 16.
- Edinger, Fred S., Alameda, Calif., assignor to Air Reduction Company, Incorporated. Gas cutting apparatus for serrating metal. 2,490,119, Dec. 6.
- Edgington, Robert E., assignee: *See*—
Davis, Robert S.
- Edinburg, Murray W., Worcester, Mass., assignor to Link Aviation, Inc., Binghamton, N. Y. Training apparatus. 2,485,266, Oct. 18.
- Edison Products Corp., assignee: *See*—
Himmel, Martin M.
- Edison, Thomas A., Incorporated, assignee: *See*—
Clark, Winslow B. M.
Dunham, Le Roy S., and Steffensen.
Fritzinger, George H.
Furn, Hans H.
Gardner, Clyde B.
Hornor, Aurelius P.
Kelly, Frederick G.
Miller, Christian.
Postal, Robert H.
Teague, Hubert M.
Wrigley, Dwight A.
- Editors and Engineers Limited, assignee: *See*—
Webber, Joseph T.
- Edlen, George G., Los Angeles, Calif., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Electrical apparatus. 2,479,222, Aug. 16.
- Edler, Otto, London, assignor to Soag Machinery Company, Soag Machine Tools Ltd. (Proprietors), Lambeth, London, England. Counting mechanism. 2,479,482, Aug. 16.
- Edlund, Daniel L., and T. L. Oberle, Mount Lebanon, Pa., and J. Strauss, assignors to Vanadium Corporation of America, New York, N. Y. Alloys. 2,469,718, May 10.
- Edlund, Uno I. S., Akers Styckebruk, Sweden. Wooden slab for building purposes. 2,482,405, Sept. 20.
- Edlund, Walter W., Burlington, Vt. Wrench for removing screw tops from jars. 2,478,471, Aug. 9.
- Edmondson, James J., Toronto, Ontario, Canada. Adjustable tobacco pipe reamer. 2,485,438, Oct. 18.
- Edson, James B., Havre de Grace, Md., assignor to the United States of America as represented by the Secretary of the Navy. Rocket target. 2,485,870, Oct. 25.
- Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronization of time division multiplex communication system. 2,457,986, Jan. 4.
- Edson, Robert C., Livingston, and J. W. Emling, Morris-town, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier wave communication system. 2,481,915, Sept. 13.
- Edson, William A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,465,639, Mar. 29.
- Edson, William A., New York, N. Y., and W. F. Kannenberg, Lyndhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable resonant cavity with adjustable walls. 2,471,419, May 31.
- Edtmiller, Anthony G., assignor to Hummel and Downing Company, Milwaukee, Wis. Knockdown carton. 2,472,698, June 7.
- Eduards, Albert J., Göteborg, Sweden. Mechanically cleanable filter. 2,465,579, Mar. 29.
- Edwal Laboratories, Inc., The, assignee: *See*—
Krueger, John
- Edwards, Alfred B., Jr., Plandome, assignor or one-half to R. Edwards, Brooklyn, N. Y. Fluid pressure device. 2,467,883, Apr. 19.
- Edwards, Andrew W.: *See*—
Wallace, James M., Edwards, and Beach.
- Edwards, Baden J., and D. Jackson, assignors to Pye Limited, Cambridge, England. Variable resistance. 2,486,931, Nov. 1.
- Edwards, Carlos: *See*—
Schmidt, Germán, and Edwards.

- Edwards, Charles P., Farnborough, assignor to the Minister of Supply, in His Majesty's Government of Great Britain and Northern Ireland, London, England. Antenna rotation control system. 2,487,429, Nov. 8.
- Edwards, Charles R., deceased, Houston, Tex.; F. R. Edwards, executrix. Safety joint. 2,462,477, Feb. 22.
- Edwards, Charles R., deceased, Houston, Tex.; F. B. Edwards, executrix. Reversing tool. 2,462,478, Feb. 22.
- Edwards, Clifton, assignee: *See—*
Gibbreath, Lem F.
- Edwards & Company, Inc., assignee: *See—*
Miller, Christian.
- Edwards and Company, Inc., assignee: *See—*
Fish, George R.
Miller, Christian.
Ruth, Edward S.
Slaker, Frank V.
Verkuil, Leo L.
- Edwards, Donald V.: *See—*
Jaeschke, Ralph L., and Edwards.
- Edwards, Donald V., Montclair, and E. K. Smith, West Orange, assignors to Electrons, Incorporated, Newark, N. J. Partially indirectly heated cathode structure for gas tubes. 2,459,997, Jan. 25.
- Edwards, Eldred E.: *See—*
Hetherington, Charles R., and Edwards.
- Edwards, Francis R., executrix: *See—*
Edwards, Charles R.
- Edwards, Frank W., assignor to The Ohio Injector Company of Illinois, Chicago, Ill. Flange oiler. 2,467,119, Apr. 12.
- Edwards, Franklin W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Drive means for compressors or the like. 2,457,880, Jan. 4.
- Edwards, George L., Alexandria, La. Slicing board with parallel knife guides. 2,483,763, Oct. 4.
- Edwards, Harold and G. H. Goodemote, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Safety window latch. 2,464,353, Mar. 15.
- Edwards, Harold, and G. H. Goodemote, assignors to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window sash holder. 2,475,131, July 5.
- Edwards, Herbert C., Canal Fulton, assignor to The Timken Roller Bearing Co., Canton, Ohio. Fuel injection pump. 2,478,528, Aug. 9.
- Edwards, Herbert C., Canal Fulton, assignor to The Timken Roller Bearing Company, Canton, Ohio. Assembling a self-contained roller bearing cage, roller, and raceway unit. 2,483,695, Oct. 4.
- Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Centrifugal chuck. 2,481,094, Sept. 6.
- Edwards, Hilding, Yonkers, N. Y. Extensible loader conveyor. 2,491,255, Dec. 13.
- Edwards, Hugh L., Los Angeles, Calif. Hanger and drying rack. 2,488,903, Nov. 22.
- Edwards, Jack E., Houston, Tex. Well head construction. 2,481,732, Sept. 13.
- Edwards, James H., Bay City, Tex. Tong actuator. 2,488,080, Nov. 15.
- Edwards, James R., Cincinnati, assignor to The Kroger Grocery & Baking Company, Hamilton County, Ohio. Sign holder with base and standard. 2,459,928, Jan. 25.
- Edwards, John W., assignor to L. P. Edwards, Wichita, Kans. Polish rod clamp. 2,463,755, Mar. 8.
- Edwards, Lee, Chicago, Ill. Toy gun. 2,476,138, July 12.
- Edwards, Leonard C., Sapulpa, Okla. Traffic safety light. 2,485,719, Oct. 25.
- Edwards, Leslie E., Jr., assignee, trustee: *See—*
Ruddock, William.
- Edwards, Lota P., assignee: *See—*
Edwards, John W.
- Edwards, Martin A.: *See—*
Alexanderson, Ernst F. W., Edwards, and Hoyt.
- Edwards, Martin A., Scotia, and D. E. Garr, Schenectady, N. Y., assignors to General Electric Company. Electroplating control system. 2,463,254, Mar. 1.
- Edwards, Martin A., Scotia, N. Y., and C. B. Lewis, North East, Pa., assignors to General Electric Company. Governor for gas electric drives. 2,489,871, Nov. 29.
- Edwards, O. M., Company, Inc., The, assignee: *See—*
Edwards, Harold and Goodemote.
- Edwards, O. M., Company, The, Inc., assignee: *See—*
Axe, Roy T.
- Edwards, Philip B.: *See—*
Dwyer, Martin, and Edwards.
- Edwards, Robert R., Alliance, Ohio. Continuous contact reel for electric cords. 2,480,401, Aug. 30.
- Edwards, Robert S.: *See—*
Garbarini, Robert F., and Edwards.
- Edwards, Rodney, assignee: *See—*
Edwards, Alfred B., Jr.
- Edwards, Roy H., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flash type steam iron construction. 2,483,816, Oct. 4.
- Edwards, Roy T., Hollis, and R. B. Killingsworth, Douglas-ton, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Solvent dewaxing. 2,478,472, Aug. 9.
- Edwards, Samuel H., Richmond, Calif. Fluid pressure operated valve. 2,472,525, June 7.
- Edwards, Samuel H., Richmond, Calif. Valve. 2,476,711, July 19.
- Edwards, Thomas J., Klamath Falls, Oreg., assignor, by mesne assignments, to B. H. Critchfield, Berkeley, Calif. Building structure. 2,473,017, June 14.
- Edwards, Thomas J., Klamath Falls, Oreg., assignor to B. H. Critchfield. Building structure. 2,473,018, June 14.
- Edwards, W., and Company (London) Limited, assignee: *See—*
Greaves, Ronald I. N.
- Effgen, Anton and H., Dedham, Mass. Machine for setting pronged beads. 2,489,764, Nov. 29.
- Effgen, Hans: *See—*
Effgen, Anton and H.
- Effros, Milton, New York, and C. E. Mills, Floral Park, N. Y. Combined cabinet and drawer with compressing and signaling means. 2,460,572, Feb. 1.
- Eftromson, Philip C., New Haven, and J. A. Dickie, Hamden, assignors to The MB Manufacturing Company, Inc., New Haven, Conn. Vibration isolator unit. 2,477,972, Aug. 2.
- Eftthios, Kosmas, New Orleans, La. Food refrigerating apparatus. 2,461,375, Feb. 8.
- Egan, Charles H., Belmont, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Soda lime. 2,470,214, May 17.
- Egan Cotton Mills, Inc., assignee: *See—*
Grant, Horace C.
- Egav, Louis, New York, N. Y. Hatpin. 2,466,538, Apr. 5.
- Egberts, Raymond W.: *See—*
Gathman, Albert, and Egberts.
- Ege, John F., Jr.: *See—*
Silverman, Leslie, and Ege.
- Egedi, Joseph, Buffalo, N. Y. Helm wheel. 2,457,987, Jan. 4.
- Egenolf, Jacob F., Pelham, and B. D. Blosser, Scarsdale, assignors to Continental Can Company, Inc., New York, N. Y. Forming body blanks for rip strip can bodies. 2,480,721, Aug. 30.
- Eger, Ernst, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Antiskid chain. 2,467,017, Apr. 12.
- Eger, Laszlo W.: *See—*
Weidner, Charles L., and Eger.
- Egerton, Lawson, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacture of electrical apparatus. 2,463,756, Mar. 8.
- Edge, Edwin G., Central Falls, R. I., assignor to United States Rubber Company, New York, N. Y. Flier. 2,466,797, Apr. 12.
- Edge, Edwin G., Central Falls, R. I., assignor to United States Rubber Company, New York, N. Y. Core covering device. 2,488,970, Nov. 22.
- Edge, Edwin G., Central Falls, R. I., assignor to United States Rubber Company, New York, N. Y. Core covering spindle adapter. 2,488,971, Nov. 22.
- Eggenberger, Hans: *See—*
von Allmen, Samuel, and Eggenberger.
- Egger, Charles J., Cleveland, Ohio, assignors to The Buckeye Laboratories Corporation. Fluid pressure dampening device. 2,486,133, Oct. 25.
- Egger, Leopold, Linz, Upper Austria. Artificial tooth. 2,473,515, June 21.
- Eggers, Alfred G., assignor to Horix Manufacturing Company, Pittsburgh, Pa. Lathe with variable speed carriage feed. 2,469,262, May 3.
- Eggers, John H., assignee: *See—*
Bauer, Arthur G.
- Eggert Deane O., Cleveland, Ohio, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Space heating system. 2,481,297, Sept. 6.
- Eggertsen, Frank T.: *See—*
Davies, Elwyn P., and Eggertsen.
- Eggl, Joseph, Toledo, Ohio. Basket manufacture. 2,488,715, Nov. 22.
- Eggleston, Lewis W., Davison, Mich. Ventilating unit. 2,467,018, Apr. 12.
- Egglestone, Robert W.: *See—*
Stein, Joseph M., and Egglestone.
- Egle, Edward J., Jr., Woodside, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration eliminating apparatus. 2,474,042, June 21.
- Egie, Joseph A., Kansas City, Mo. Decorament. 2,486,636, Nov. 1.
- Egly, Richard S., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of nitrogen oxides and hydrocarbons from gaseous mixtures. 2,491,919, Dec. 20.
- Egry Register Company, The, assignee: *See—*
Ritzert, Robert W.
Ward, Robert N., and Sadgebury.
Wyrick, Clayton E.
- Egy, Joseph H., Springfield, Ohio. Constant or variable-speed drive. 2,480,841, Sept. 6.
- Ehardt, John H., assignee: *See—*
Skenar, Wenzeslaw F.
- Ehinger, William E., assignor to Webster Manufacturing, Inc., Tiffin, Ohio. Transfer car. 2,483,817, Oct. 4.
- Ehlers, Francis E.: *See—*
Aron, Walter and Ehlers.
- Ehlers, George M.: *See—*
Kodama, George T., and Ehlers.
- Ehlinger, Marcel: *See—*
Mercier, Ernest, and Ehlinger.

- Ehlinger, Marcel, Paris, France. Automatic feed regulator for boilers. 2,491,960, Dec. 20.
- Ehmann, Leslie G., assignor to Electric Steel Foundry, Portland, Oreg. Hammer for impact crushers with detachable and reversible hammer head. 2,460,279, Feb. 1.
- Ehnhuus, Hartvig, Brooklyn, N. Y. Extension stepladder. 2,481,581, Sept. 13.
- Ehrenberg, Gustave, Philadelphia, Pa. Device for determining departures from level of a machine element. 2,467,733, Apr. 19.
- Ehrenhaft, Franz F., Forest Hills, N. Y. Shrinkage compensating rotatable prism cinematographic projector. 2,464,384, Mar. 15.
- Ehret, Robert J., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic recalibrating motor control apparatus. 2,483,364, Sept. 27.
- Ehrhardt, Charles H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of catalytically inactive inorganic oxide particles. 2,490,260, Dec. 6.
- Ehrke, John C., Le Center, Minn. Door latch. 2,481,990, Sept. 13.
- Ehrlich, John, Detroit, R. M. Smith, East Detroit, and M. A. Penner, assignors to Parke, Davis & Company, Detroit, Mich. Manufacture of chloramphenicol. 2,483,892, Oct. 4.
- Ehrman, Richard C., Fort Wayne, Ind., assignor to General Electric Company, Making transformers. 2,464,029, Mar. 8.
- Ehrnebo, Lars V. S.: *See—*
Matti, Kurt G., and Ehrnebo.
- Eichelberger, James K., Austin, Tex. Panel fabrication. 2,487,019, Nov. 1.
- Eichelberger, Merrill: *See—*
Adams, Harold A., and Eichelberger.
- Eichelman, Frank J., Oak Park, assignor to National Cylinder Gas Company, Chicago, Ill. Valve. 2,486,011, Oct. 25.
- Eichenberger, Ernst, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker. 2,469,459, May 10.
- Eichler, Harry P.: *See—*
Tuttle, Clifton M., Cartwright, and Eichler.
- Eichner, Frank L., Hollis, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Treatment of aluminum foil for bonding, printing, and coloring. 2,480,455, Aug. 30.
- Eicholtz, Frank E., San Diego, Calif., assignor to Warren Beckwith. Bow drawing and releasing device. 2,461,042, Feb. 8.
- Eichorn, Robert N.: *See—*
Fitch, Clyde J., and Eichorn.
- Eick, Harry: *See—*
Loucony, Adolphe, and Eick.
- Eickstaedt, Edwin A. C.: *See—*
Miller, Arthur E., and Eickstaedt.
- Eickstaedt, Edwin A. C., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Multiway liquid valve. 2,485,192, Oct. 18.
- Eifon Co Ltd Aktiebolag, assignee: *See—*
Hammarsjö, Erik Algot.
- Eigenberger, Elroy I., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,491,961, Dec. 20.
- Eiland, Odus C.: *See—*
Dunn, Albert, and Eiland.
- Eilenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. Magnetizable wire recording system and method. 2,488,717, Nov. 22.
- Eilenberger, Stanley D., Kenosha, Wis., assignor, by mesne assignments, to Chicago Coin Machine Co. Electronic control device. 2,488,811, Nov. 22.
- Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Water dispersible coating vehicle. 2,462,618, Feb. 22.
- Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Polysulfone resin plasticized with ester of organic sulfonic acid. 2,474,350, June 28.
- Elmco Corporation, The, assignee: *See—*
Schwartz, Daniel M.
- Elndecker, Charles E.: *See—*
Schormuller, Anton, and Windecker.
- Elnhart, Harvey A., assignor of thirty-three and one-third per cent to M. Boyer and thirty-three and one-third per cent to A. Ray, Clyde, Ohio. Cable clamp. 2,461,725, Feb. 15.
- Elnis, Nathan: *See—*
Falken, George, and Elnis.
- Elinson-Freeman Co., Inc., assignee: *See—*
Ebert, Ludwig.
- Els Automotive Corporation, assignee: *See—*
Schwarz, Ernest I. and Fred B.
- Else, Andrew, Detroit, Mich. Feeler head for bore gauges. 2,484,697, Oct. 11.
- Else, Frank J., St. Louis, Mo. Quick-adjustable positioning device. 2,468,325, Apr. 26.
- Else, John F., Pickney, Mich. Abrading tool. 2,464,385, Mar. 15.
- Elselein, Ellen C., assignee: *See—*
Bridges, John C.
- Elsemann, Elwood H., assignor to Chew-Bittel Co., Philadelphia, Pa. Window construction. 2,463,858, Mar. 8.
- Eisen, John B., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Conditioning cellulose ester filaments. 2,461,043, Feb. 8.
- Eisen, Paul F.: *See—*
Manning, Matthew J., and Eisen.
- Eisenberg, Ben, Larchmont, and O. B. Schwarz, New York, N. Y., assignors to Lektra Laboratories, Inc. Foot pedal control rheostat. 2,460,494, Feb. 1.
- Eisenberg, Herman F., New York, N. Y. Blouse shoulder strap. 2,476,712, July 19.
- Eisenhauer, Harry J., Sr., Buffalo, N. Y. Antiskid device. 2,477,051, July 26.
- Eisenhauer Manufacturing Company, The, assignee: *See—*
Stover, Ancil C.
- Eisenman, Louis, Brooklyn, N. Y. Key holder. 2,488,661, Nov. 22.
- Eisensmith, William F., Penns Grove, N. J. Freight bracing device. 2,462,619, Feb. 22.
- Eisler, Charles, South Orange, N. J. Tube end forming machine. 2,470,923, May 24.
- Eisler, George, assignee: *See—*
Miller, Isador, and Marquette.
- Eisler, Victor H., Hollywood, and A. Weidner, North Hollywood, assignors to Mitchell Camera Corporation, West Hollywood, Calif. Film sprocket clamp. 2,492,469, Dec. 27.
- Eisner, Abner: *See—*
Haines, Paul G., Eisner, and Woodward.
- Eisner, John H., Auburn, N. Y. Attachment plug. 2,484,558, Oct. 11.
- Eisner, Josef, Allestree, Derby, assignor to George Fletcher and Company Limited, Derby, England. Evaporator. 2,472,409, June 7.
- Eisner, Robert S., Red Bank, assignor to Hanlon & Goodman Co., Belleville, N. J. Fountain liquid-applying brush. 2,482,905, Sept. 27.
- Eisner, Robert S., Red Bank, N. J., and D. Schoenholz, Flushing, N. Y., assignors to Hanlon & Goodman Co., Belleville, N. J. Brush handle and connecting means therefor. 2,488,056, Nov. 15.
- Eitel-McCullough, Inc., assignee: *See—*
Chamberlin, Richard.
Drieschman, Donald, and Chamberlin.
Drieschman, Donald F., and Leonard.
Eitel, William W., and McCullough.
Howes, Gordon T.
Norton, Robert L.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Multiunit electron tube. 2,468,433, Apr. 26.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Multiunit electron tube. 2,468,434, Apr. 26.
- Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,469,331, May 3.
- Ekbom, Hilmer N.: *See—*
Davis, Nelson L., Ekbom, and Millard.
- Ekco Products Company, assignee: *See—*
Chandler, James H.
Jackson, Joseph G.
Lueneburg, Walter C.
Zimmer, Myron J.
- Ekholm, Carl R.: *See—*
Farrar, John F. P., and Ekholm.
- Ekleberry, James F., assignor of one-half to C. R. Miller, Miami, Fla. Radial pump. 2,466,215, Apr. 5.
- Ekleberry, James F., assignor of one-half to C. R. Miller, Miami, Fla. Connector for flexible conduits. 2,479,483, Aug. 16.
- Eklund, Elias N., Stockholm, Sweden. Grinding machine. 2,458,840, Jan. 11.
- Eklund, Hans E., assignor to Aktiebolaget Ljungmans Verkstad, Malmö, Sweden. Arrangement for gear changing systems. 2,464,678, Mar. 15.
- Eklund, Sigvard: *See—*
Alfven, Hannes and Eklund.
- Ekman, Wilhelm, and G. E. H. Hildebrand, Fagersta, Sweden. Method of producing acid Bessemer steel or Thomas steel low in nitrogen. 2,466,163, Apr. 5.
- Eksergian, Carolus L.: *See—*
Farr, Warren H., Eksergian, and Dupont.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Support for brake mechanisms on equalizers. 2,467,356, Apr. 12.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Plow bottom parts and securing them to the supporting saddle. 2,486,637, Nov. 1.
- Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Railway truck. 2,488,768, Nov. 22.
- Eksergian, Rupen, Media, assignor to The Budd Company, Philadelphia, Pa. Underframe with center sill for land vehicles such as railway cars. 2,490,788, Dec. 13.
- Ekstrand, Alfred E., Rochester, N. Y., assignor to Stromberg-Carlson Company. Sound control system. 2,466,216, Apr. 5.

- Ekstrom, Earl A., Saugus, assignor to Fort Hill Engraving Company, Boston, Mass. Electrically heated gilding tool. 2,468,965, May 3.
- Ekström, Gunnar, Stockholm, and P. W. Dietmann, Jonkoping, assignors to Arenco Aktiebolag, Stockholm, Sweden. Gunfire control training apparatus. 2,471,363, May 24.
- Ekstrom, Gustaf H., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Pad attaching means for rubbing machines and the like. 2,464,296, Mar. 15.
- Elam, Jay S., Huntington Park, Calif. Electrically operated time lapse traffic signal. 2,490,585, Dec. 6.
- Eland, Frank H., assignor to United Steel Corporation Limited, Toronto, Ontario, Canada. Discharge valve for screw conveyers. 2,475,018, July 5.
- Elants, Adriaan T., Brussels, Belgium. Obviating cylinder wear in engines and the like. 2,470,809, May 24.
- Elastic Stop Nut Corporation of America, assignee: See—Hallock, Robert L.
- Elberty, Robert S., Jr., Plainville, Conn. Press for molding building blocks. 2,476,653, July 19.
- Elce, Alec: See—Duval, Bruce, Elce, and Tuerck.
- Eldee Products Company, The, assignee: See—Berninger, Kenneth L., and Lowrey.
- Elder, Esther R., Pasadena, assignor of forty per cent to W. R. Harriman, Hondo, ten per cent to E. A. Harrington, Pasadena, and ten per cent to M. E. Peachman, San Francisco, Calif. Apparatus for drying hair. 2,462,079, Feb. 22.
- Elder, Frank R., Niskayuna, N. Y., assignor to General Electric Company. Electric discharge device. 2,486,134, Oct. 25.
- Elder, John A., Jr., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Corrosion inhibitors. 2,478,755, Aug. 9.
- Elder, John A., Jr., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Corrosion inhibitors. 2,478,756, Aug. 9.
- Elder, John D., Baltimore, Md. Cartridge belt. 2,475,380, July 5.
- Elder, Lewis W.: See—Gregory, James N., and Elder.
- Elder, Thomas A., Scotia, and T. G. Crawford, Schenectady, N. Y., assignors to General Electric Company. Envelope and electrode mounting structure for electric discharge devices. 2,489,872, Nov. 29.
- Elderfield, Robert C., Hastings on Hudson, and F. Brody, New York, N. Y., assignors to the United States of America as represented by the Director of the Office of Scientific Research and Development. Alkylamino alkyl bromides. 2,464,199, Mar. 15.
- Elderfield, Robert C., Hastings on Hudson, and J. D. Head, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Antimalarials and making them. 2,477,479, July 26.
- Elderfield, Robert C., Hastings on Hudson, and J. D. Head, New York, N. Y., assignors to the United States of America as represented by the Secretary of War. Antimalarial compounds and making them. 2,477,480, July 26.
- Eldridge, R. W., Company, assignee: See—Wertz, James E.
- Eldridge, Tausias I., Jr., Brookline, assignor to Electric Service Manufacturing Company, Philadelphia, Pa. Electrical disconnecter. 2,481,298, Sept. 6.
- Electra Voice Corporation, assignee: See—Ramos, Pedro S.
- Electraulic Presses Limited, assignee: See—Towler, John M., and F. Hathorn.
- Electric-Aire Engineering Corporation, assignee: See—Hewitt, Elmer S.
- Electric Boat Company, assignee: See—Ritchie, Alexander J.
- Wilson, Perry J.
- Electric Controller & Manufacturing Company, The, assignee: See—Leitch, John D.
- McArthur, Bruce E.
- Myles, Asa H., and Prottengeier.
- Rathbun, Harold J.
- Electric Controls, Inc., assignee: See—Armstrong, Charles E.
- Electric Construction Company, assignee: See—Milne, John C.
- Electric Furnace Company, The, assignee: See—Vaughan, Arthur H.
- Electric Game Company, The, assignee: See—Prentice, James M., Umbach, and Ross.
- Electric Heat Devices, Inc., assignee: See—Herrington, Lovic P.
- Electric & Musical Industries Limited, assignee: See—Barford, Norman C.
- Bull, Cabot S.
- Bull, Eric W., and Pemberton.
- Collard, John.
- Cork, Edward C.
- Cork, Edward C., and Bowman-Manifold.
- Klemperer, Otto E. H.
- McGill, Eric F. G.
- Pearce, Albert F.
- White, Eric L. C.
- Electric and Musical Industries, Limited, assignee: See—Blumlein, Alan D.
- Blumlein, Alan D., Connell, and Holloway.
- Bowman-Manifold, Michael.
- Robinson, Edward H.
- Electric Panels Limited, assignee: See—Mann, Walter N., and Minshull.
- Electric Products Company, The, assignee: See—Lee, William H., and Smith.
- Electric Railway Equipment Company, The, assignee: See—Gallagher, Clyde O.
- Electric Railway Improvement Company, The, assignee: See—Cadwell, Charles A.
- Carlson, Noble G.
- Electric Service Manufacturing Company, assignee: See—Eldridge, Tausias I., Jr.
- Mageoch, Harry Y., and Shaback.
- Electric Soldering Iron Co., Inc., assignee: See—Foster, Allen T.
- Electric Sorting Machine Company, assignee: See—Cox, David C.
- Electric Steel Foundry, assignee: See—Baer, Josef.
- Kirby, William B., and Hill.
- Ehmann, Leslie G.
- Electric Storage Battery Company, The, assignee: See—Gray, Robin.
- Jardine, Ray.
- Lighton, Lester E.
- Murphy, Harold P.
- Riggs, Harold C.
- Electric Terminal Corporation, assignee: See—Martinez, Rene.
- Electric Wheel Company, assignee: See—Danhaus, Russell H.
- Richey, Clarence B.
- Electrical Engineering and Manufacturing Corporation, assignee: See—Hoover, Vaino A.
- Mauric, Gerhard.
- Mauric, Gerhard, Green, and Rosin.
- Electrical Fono-Films Co. A. S., assignee: See—Beer, Palle-Finn.
- Electrical Industries, Inc., assignee: See—Brewster, Oliver H.
- Electrical & Musical Industries Limited, assignee: See—Cork, Edward C.
- Elec-Trick-Toy, Inc., bankrupt: See—Roggenstein, Edwin O.
- Electromatic Company, assignee: See—Beekley, Henry L.
- Electro-Mechanical Laboratories, Incorporated, assignee: See—Lofgren, Einar G.
- Electro Methods Ltd., assignee: See—Tweedy, Stanley E.
- Electro-Protective Corporation, assignee: See—Laford, Herbert M.
- Electro Specialty Manufacturing Co., Inc., assignee: See—Olson, Carl W.
- Electro Therm, Inc., assignee: See—Morris, Nathan, and Fearn.
- Electroflo Corporation, assignee: See—Rockwell, Edward A.
- Electrol Incorporated, assignee: See—Ashton, Benjamin N.
- Electrolux Corporation, assignee: See—Anderson, Emil.
- Doughman, Ferman C.
- Beede, Arnold H.
- Brown, Charles L., Jr.
- Forsberg, Axel A.
- Lofgren, Gustaf E.
- Wahlberg, Eric C.
- Electromaster, Inc., assignee: See—Marshall, Richard B.
- Electronic Dusting Corporation, assignee: See—Yadoff, Oleg.
- Electronic Laboratories, Inc., assignee: See—Brown, Harold J., and Mas.
- Electronics Research, Inc., assignee: See—Caraway, John B., Jr., and Kees.
- Caraway, John B., Jr., and Silliman.
- Raburn, Louis E., and Everson.
- Electronoid Corporation, assignee: See—Fisher, Frederick C.
- Electrons, Inc., assignee: See—Jaeschke, Ralph L., and Edwards.
- Electrons, Incorporated, assignee: See—Burnett, James H.
- Edwards, Donald V., and Smith.
- Smith, Earl K.
- Electrovox Company, Inc., assignee: See—Dally, Roy.
- Elektriska Svetsningsaktiebolaget, assignee: See—Smith, Nils G.
- Elektrokemisk A/S, assignee: See—Hansen, Georg M.
- Jouannet, Robert.
- Elenbaas, Willem, Eindhoven, Netherlands, assignor to General Electric Company, Schenectady, N. Y. Electric high-pressure discharge tube. 2,488,716, Nov. 22.

- Elevator Supplies Company, Inc., assignee: *See—*
Hains, Randall.
- Elfstrom, Paul V., Batavia, Ill. Mouthpiece attachment for playing keyboard musical instruments. 2,488,178, Nov. 15.
- Elger, Joseph, assignor of one-half to R. Elger, Chicago, Ill. Tobacco article support. 2,483,188, Sept. 27.
- Elger, Rose, assignee: *See—*
Elger, Joseph.
- Elgin, Joseph C., Princeton, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Glycerine extraction process. 2,479,041, Aug. 16.
- Elgin National Watch Company, assignee: *See—*
Ensign, George G., Lawson, Schaeffer, and Wochos. Kohlhausen, Walter. Lester, Raymond H., and Cannon.
- Elias, Nathaniel M., New York, N. Y. Spermicides. 2,467,884, Apr. 19.
- Elias, Solomon, New York, N. Y. Brassière halter. 2,458,696, Jan. 11.
- Elias, William M., Winkler, Manitoba, Canada. Swivel valve joint. 2,481,733, Sept. 13.
- Eliaison, Adlai H., Mooresville, N. C. Expansion of circular tables. 2,492,139, Dec. 27.
- Elinsky, Joseph H., Nanticoke, Pa. Brake mechanism. 2,474,935, July 5.
- Elliott, Gusta B. and N. M. Pfann, said Pfann assignor to I. B. Kleinert Rubber Company, Inc., New York, N. Y. Pad for shoulder straps. 2,485,720, Oct. 25.
- Ellisheiwitz, Irving, New York, N. Y. Hat construction. 2,477,240, July 26.
- Eljer Company, assignee: *See—*
De Grave, Marvin F., and Calladine.
- Elkan, Fred, New York, N. Y. Coal activator. 2,479,561, Aug. 23.
- Elkin, Lauren N., United States Army, Oakland, Calif. Collapsible steam table. 2,471,420, May 31.
- Elkington, James E., San Francisco, Calif. Valve and actuating mechanism for fluid motors. 2,486,707, Nov. 1.
- Elkins, Lincoln F., assignor to Standind Oil and Gas Company, Tulsa, Okla. Borehole pressure gauge. 2,459,268, Jan. 18.
- Elkinton, Herbert R.: *See—*
Nicholl, Leonard, and Elkinton.
- Elks, William J., U. S. Navy. Dynamoelectric machine cooling. 2,464,221, Mar. 15.
- Elleby, Eugene H., Atlanta, Ga. Rat or mouse trap. 2,462,479, Feb. 22.
- Ellefson, Bennett S., assignor to Sylvania Electric Products Inc., Emporium, Pa. Fluorescent products and preparation thereof. 2,461,726, Feb. 15.
- Elleman, Tom, assignor to Continental Motors Corporation, Muskegon, Mich. Speed control device. 2,468,361, Apr. 26.
- Ellerin, Meyer, assignee: *See—*
Stewart, William, and Psilos.
- Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spring connection means for plastic spectacles. 2,463,956, Mar. 8.
- Ellig, Donald B., Minneapolis, Minn. Machine for sharpening knife blades. 2,465,678, Mar. 29.
- Elling, William E., Metuchen, N. J. Lifeboat. 2,478,042, Aug. 2.
- Ellinger, Flora H., Chicago, Ill. Scouring pad gripper. 2,484,986, Oct. 18.
- Elliott, Anne, Bronxville, N. Y. Drier suitable for drying the human fingers. 2,490,019, Dec. 6.
- Elliott, William H.: *See—*
Audior, Mark, and Elliott.
- Elliott, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Speed control for electric motors. 2,460,927, Feb. 8.
- Elliott, Alonzo K., and T. T. Munn, Indianapolis, Ind. Universally adjustable work holding means. 2,476,361, July 19.
- Elliott, Bert D., Everett, Wash., B. Elliott, executrix of said Bert D. Elliott, deceased. Safety hook. 2,478,184, Aug. 9.
- Elliott, Betty, executrix: *See—*
Elliott, Bert D.
- Elliott Company, assignee: *See—*
Aronson, David. Bergquist, Carl H. Claflor, Lilburn C., and Dennison. Cunningham, John F., Jr. Hollis, Frank E.
- Elliott, Edward, Worcester, Mass., assignor to Transit Research Corporation, New York, N. Y. Bolster construction and ventilation system. 2,463,255, Mar. 1.
- Elliott, Edward O., Jenkintown, Pa. Locomotive cylinder and frame. 2,459,929, Jan. 25.
- Elliott, Fanny S., Greenwich, Conn. Flower holder. 2,486,932, Nov. 1.
- Elliott, Gordon R., Ferndale, Mich., assignor, by mesne assignments, to I. A. Puchner and E. U. Demmer, Milwaukee, Wis. Multiple stage power mechanism. 2,465,714, Mar. 29.
- Elliott, Harold E., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel-breasting machine. 2,489,406, Nov. 29.
- Elliott, Harold E., and E. Moore, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe upper trimming machine. 2,466,798, Apr. 12.
- Elliott, Harold E., and J. W. Pratt, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Adjustable work support. 2,477,052, July 26.
- Elliott, John O., San Francisco, Calif. Map with area position indicator. 2,487,318, Nov. 8.
- Elliott, Laverne P.: *See—*
Brooke, Lloyd F., Holm, and Elliott.
- Elliott Manufacturing Company, assignee: *See—*
Cole, Carroll E., and Derderian.
- Elliott, Morris A., Baltimore, Md. Ski bike. 2,479,674, Aug. 23.
- Elliott, Myron A., Washington, D. C. Testing dielectric materials. 2,472,814, June 14.
- Elliott, Myron A., Washington, D. C. Fluid inspection apparatus. 2,485,579, Oct. 25.
- Elliott, Richard M.: *See—*
Bell, Charles C., and Elliott.
- Elliott, Richard M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Computing sight. 2,471,204, May 24.
- Elliott, Robert E., Lynbrook, N. Y. Freezing device. 2,474,936, July 5.
- Elliott, Sam C., Hermosa Beach, Calif. Boot drier. 2,465,362, Mar. 29.
- Elliott, William V., administrator: *See—*
Bergman, Charles P.
- Elliott Bay Mill Co., assignee: *See—*
Miller, William J.
- Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Eye testing device having self-contained means for checking both far and near vision deficiencies. 2,481,582, Sept. 13.
- Ellis, Charles E., Mahwah, N. J. Polyphase alternating current dynamo. 2,470,767, May 24.
- Ellis, Charles E., Mahwah, N. J. Torque converter. 2,490,789, Dec. 13.
- Ellis, David G.: *See—*
Willson, Karl S., and Ellis.
- Ellis-Foster Company, assignee: *See—*
Farkas, Ladislav V., and Szwarc. Hammer, Irving P., and Rust. Robertson, John W. Robertson, John W., and Rust. Rust, John B. Rust, John B., and Canfield.
- Ellis, Gage B., assignee: *See—*
Simons, Harry M.
- Ellis, George D., Los Angeles, Calif. Light spot and reflector means for alignment of cameras for title purposes. 2,459,418, Jan. 18.
- Ellis, Greer, Chicago, Ill., assignor, by mesne assignments, to J. L. and R. C. Switzer. Inspection light. 2,491,170, Dec. 13.
- Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Sealing device for dry cells. 2,457,810, Jan. 4.
- Ellis, Grenville B., Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War. Leak resistant electrical cell. 2,461,534, Feb. 15.
- Ellis, Harold E., Cedarburg, Wis., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single-phase electric motor. 2,479,329, Aug. 16.
- Ellis, Herbert B., Pasadena, assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Heat exchanger reinforcing means. 2,485,088, Oct. 18.
- Ellis, Robert P., York, Pa. Flexible and/or elastic self-locking band. 2,461,201, Feb. 8.
- Ellis, Robert P., York, Pa. Magnetic fastener. 2,475,226, July 5.
- Ellis, Sidney G.: *See—*
Hillier, James, and Ellis.
- Ellis, Wallace T., Porters, Tex. Lifting device. 2,486,933, Nov. 1.
- Ellis, William A., Portland, Oreg. Baseboard room heater. 2,460,625, Feb. 1.
- Ellis, William C., Maplewood, N. J., and L. H. La Forge, Jr., San Bernardino, Calif., and A. H. White, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ballast lamp. 2,474,473, June 28.
- Ellis, William, Jr., Tiffin, Ohio. Intensified spark plug. 2,487,319, Nov. 8.
- Ellison, Clifford L., and L. Pospishech, assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Drilling fixture. 2,490,120, Dec. 6.
- Ellison Draft Gage Company, Inc., assignee: *See—*
Ellison, Lewis M.
- Ellison, Ernest W., Caldwell, Idaho. Folding rapid spinner wrench. 2,465,152, Mar. 22.
- Ellison, Houston, Tulsa, Okla. Piston ring groove cleaner and deepener. 2,480,456, Aug. 30.
- Ellison, Leslie J.: *See—*
Richards, Edward A., and Ellison.
- Ellison, Lewis M., Winnetka, assignor to Ellison Draft Gage Company, Inc., Chicago, Ill. Pressure gauge having a combined inclined and vertical tube. 2,486,135, Oct. 25.
- Ellithorpe, Frank E., Glendale, Calif., assignor to The Fulton Company, West Allis, Wis. Windshield visor mounting bracket. 2,470,477, May 17.

- Ellithorpe, Gilbert S., Chicago, Ill. Rotary electric switch. 2,459,998, Jan. 25.
- Ellmann, Jack I., Washington, D. C. Alternating current solenoid reciprocating motor unit. 2,459,510, Jan. 18.
- Ellner, George G., Long Island, N. Y. Ray-emission apparatus. 2,469,872, May 10.
- Ellner, George G., Long Island, N. Y. Irradiating apparatus. 2,484,559, Oct. 11.
- Ellner, George G., Long Island, N. Y. Apparatus for sterilizing liquids by irradiating means. 2,485,267, Oct. 18.
- Ellström, Nils O., Aneby, Sweden, assignor, by mesne assignments, to Getram Company, Inc., New York, N. Y. Scouring pad. 2,461,468, Feb. 8.
- Ellsworth, Carl E., assignor to The Girdler Corporation, Louisville, Ky. Loading tray. 2,472,472, June 7.
- Ellsworth, Ralph H., assignor to The Wolwin Chair Company, Willoughby, Ohio. Reclining chair. 2,459,269, Jan. 18.
- Ellwanger, George W., and G. T. Layton, Richmond, Calif. Drain valve for laundry tubs. 2,488,008, Nov. 15.
- Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic testing device. 2,461,202, Feb. 8.
- El-Mazzaoui, Farid N., Cairo, Egypt. Motion-picture film with a plurality of picture series and projector for the same. 2,483,040, Sept. 27.
- Elmendorf, Andrew G.: *See—*
Ayers, Edgar H., and Elmendorf.
- Elmendorf, Armin, Winnetka, Ill. Machine for slitting and widening boards. 2,468,595, Apr. 26.
- Elmendorf, Duryea E., Cleveland, Ohio, assignor to General Electric Company. Negative glow lamp. 2,459,511, Jan. 18.
- Elmendorf, Harold J.: *See—*
Barnes, Raleigh H., and Elmendorf.
- Elmes, John A., Beaver Falls, assignor, by mesne assignments, to Ryman Engineering Company, Ellwood City, Pa. Grinding apparatus of the abrasive belt type. 2,479,536, Aug. 16.
- Elmore, Austin E., assignor of one-half to W. H. Reely, Los Angeles, Calif., and one-half to R. V. Fabian, Pine Orchard, Conn. Centrifugal clutch. 2,491,003, Dec. 13.
- Elmore, Kelly L., Sheffield, Ala., assignor to Tennessee Valley Authority. Defluorinating phosphate rock. 2,474,831, July 5.
- Elmore, Norman M., Elizabeth, and A. M. Gessler, Cranford, N. J., assignors to Standard Oil Development Company. Rubber softened with sulfur dioxide and chlorine treated polyisobutylene reacted with ammonia. 2,458,841, Jan. 11.
- Elmore, William C., Swarthmore, and J. F. Marshall, Primos, Pa., assignors to the United States of America as represented by the Secretary of War. Piezoelectric crystal. 2,470,609, May 17.
- Elofson, Carl L.: *See—*
Larson, Algot J. E., and Elofson.
- Elrick, Charles E., Frostburg, Md. Releasable lever operated switch. 2,460,495, Feb. 1.
- El-Said, Mohamed A. H.: *See—*
El Shishini, Mahmoud, and El-Said.
- Elsasser, Carl: *See—*
Kellaher, Gillis C., and Elsasser.
- Elsässer, Otto, and C. Ronzi, Zurich, Switzerland. Apparatus for the permanent waving of hair. 2,461,883, Feb. 15.
- Elsby, Samuel J., New Albany, Ind. Jet propeller aircraft engine. 2,490,623, Dec. 6.
- Else, Walter J., Everett, Wash. Smoke actuated fire alarm. 2,468,740, May 3.
- Elsebusch, Otto, Los Angeles, Calif. Antidraft device. 2,465,345, Mar. 29.
- Elsemore, Loring L., Bangor, Maine. Ice fishing jack. 2,470,610, May 17.
- Elser, Max R., Dearborn, Mich. Reciprocating tool attachment. 2,484,158, Oct. 11.
- Elsev, Howard M., Oakmont, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Enclosed dynamoelectric machine. 2,488,387, Nov. 15.
- El Shishini, Mahmoud, and M. A. H. El-Said, Giza, Cairo, Egypt. Electrical device for effecting the multiplication or division of independent quantities. 2,486,068, Oct. 25.
- Elsinger, Louis S., Tampa, Fla.; J. E. Gillen, trustee in bankruptcy of said L. S. Elsinger. Level wind for fishing reels. 2,461,884, Feb. 15.
- Elsner, Edwin C., assignor to C. J. W. Corporation, North Hollywood, Calif. Release latch for buckles. 2,490,862, Dec. 13.
- Elster, Bert, McKeesport, Pa., assignor to National Tube Company. Gas igniter for blast furnace bleeder stacks and the like. 2,480,230, Aug. 30.
- Elston, Charles W., Schenectady, N. Y., assignor to General Electric Company. High-temperature turbine casing arrangement. 2,467,818, Apr. 19.
- Elston, Edward P., Wolverhampton, England. Garment hanger. 2,489,565, Nov. 29.
- Elston, James W., assignor to The Davison Chemical Corporation, Baltimore, Md. Making silica hydrosol. 2,466,842, Apr. 12.
- Elston, William H., Highland Park, Ill. Convertible boat chair and carrier. 2,480,402, Aug. 30.
- Elsworth, John Van V., Watertown, N. Y., assignor to The New York Air Brake Company. Timed track sand-control. 2,492,276, Dec. 27.
- Eltgroth, George V., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Q meter. 2,475,179, July 5.
- Eltz, George J., Avon, N. J. Determining range. 2,475,598, July 12.
- Elvin, William J.: *See—*
Seymour, George W., Elvin, and Miller.
- Elvin, William J., Frostburg, Md., and E. R. Stahl Meyersdale, Pa., assignors to Celanese Corporation of America. Winding device. 2,462,310, Feb. 22.
- Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,483,127, Sept. 27.
- Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop buckle. 2,483,128, Sept. 27.
- Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,483,129, Sept. 27.
- Elwell-Parker Electric Company, The, assignee: *See—*
Wilms, Henry F.
- Elwell, William E.: *See—*
Dimpfl, Ludwig H., and Elwell.
Meier, Richard L., and Elwell.
- Elwell, William E., and A. L. Snow, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Polymerization process. 2,482,056, Sept. 13.
- Ely, Frederic G., Short Hills, N. J., and C. E. Rogers, Kew Gardens, N. Y., assignors to The Babcock & Wilcox Company, Jersey City, N. J. Apparatus for the recovery of heat and chemicals from furnace gases. 2,463,757, Mar. 8.
- Ely, Robert, San Diego, Calif. Mud or splash shield for vehicles. 2,461,044, Feb. 8.
- Ely, Roscoe F., and W. T. Spokane, Wash. Target for ball games. 2,467,549, Apr. 19.
- Ely, Wilbur T.: *See—*
Ely, Roscoe F., and Wilbur T.
- Elze, Walter C., and A. J. Turpin, Forest Hills Gardens, assignors to Hauck Manufacturing Company, Brooklyn, N. Y. Thawing system for railway cars. 2,489,874, Nov. 29.
- Emarco Corporation, assignee: *See—*
Briggs, Eugene C.
- Emerson, Keith L., assignor to Wingfoot Corporation, Akron, Ohio. Seat. 2,473,365, June 14.
- Embosograf Company of Illinois, assignee: *See—*
Swartz, William.
- Embree, Craig E. L., Philadelphia, Pa. Cellular structure. 2,490,586, Dec. 6.
- Embree, Roy T., St. Louis, Mo. Support for brushes. 2,489,875, Nov. 29.
- Emerick, Henry W.: *See—*
Nickelsen, John M., and Emerick.
- Emerson, Charles G., and L. R. Cook, Rowlesburg, W. Va. Coin packaging machine. 2,489,765, Nov. 29.
- Emerson Electric Mfg. Co., The, assignee: *See—*
Veltman, John C., and Michelsen.
- Emerson Electric Manufacturing Company, The, assignee: *See—*
Dederick, Clinton H.
Lindberg, Caryl A., and Eckles.
- Emerson, John F., Hasbrouck Heights, N. J., assignor to Kearfott Company, Inc., New York, N. Y. Electromagnetic pressure gauge. 2,460,076, Jan. 25.
- Emerson, John F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Telemetric motor control system. 2,479,105, Aug. 16.
- Emerson, John H., Cambridge, Mass. Breathing apparatus. 2,468,741, May 3.
- Emerson, John H., Cambridge, and G. J. Sinnett, Lexington, Mass., said Sinnett assignor to said Emerson. Resuscitator. 2,473,416, June 14.
- Emerson, John H., Cambridge, Mass. Breathing apparatus. 2,481,299, Sept. 6.
- Emerson Radio and Phonograph Corporation, assignee: *See—*
Germer, Arthur C.
- Emerson, Walter B., York County, Maine, and I. L. Cooter, Arlington, Va., assignors to the United States of America as represented by the Secretary of Commerce. Electric drilling of diamonds and the like. 2,476,965, July 26.
- Emerson, Wes, Susanville, Calif. Trash collection box. 2,490,790, Dec. 13.
- Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of p-acetylphenyl acetate. 2,457,988, Jan. 4.
- Emery, Alfred H.: *See—*
Aldeborgh, Erik H., and Emery.
- Emery, Alfred H., Wappingers Falls, assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Zeroizing means for dial indicators. 2,476,713, July 19.
- Emery, Harvey L., Bloomfield, Ind. Time switch. 2,468,548, Apr. 26.

- Emery Industries, Inc., assignee: *See*—
 Arnold, Carl S.
 Brown, Alexander C.
 Fitzpatrick, J. D., and Myers.
 Goebel, Charles G.
 Myers, Latimer D., and Fitzpatrick.
 Myers, Latimer D., and Muckerheide.
 Myers, Latimer D., and Ritz.
 Myers, Latimer D., and Webster.
 Stegemeyer, Lou A.
- Emery Industries, Incorporated, assignee: *See*—
 Brown, Alexander C., and Muckerheide.
- Emery, Walter B., and H. Shuff, Birmingham, Ala. Machine for debarking and trimming either standing or felled tree trunks. 2,477,922, Aug. 2.
- Emigh, Harold E., Long Beach, Calif. Jet propeller engine. 2,465,856, Mar. 29.
- Emley, Edward F.: *See*—
 Fox, Francis A., and Emley.
- Emling, John W.: *See*—
 Edson, Robert C., and Emling.
- Emling, John W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier frequency telephone system. 2,484,211, Oct. 11.
- Emmenegger, Alexander J., Point Marion, Pa. Apparatus for the manufacture of half shades. 2,465,075, Mar. 22.
- Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binding device. 2,489,706, Nov. 29.
- Emmerson, Hibbard R.: *See*—
 Bain, Frederick A., and Emmerson.
- Emming, Bernard: *See*—
 Van Uum, John H., Emming, and Lohr.
- Emmons, Edward J.: *See*—
 Stronach, Harry S., Emmons, and Dusil.
- Emms, Charles, London, England. Vest or waistcoat. 2,484,693, Oct. 11.
- Empire Electric Brake Company, assignee: *See*—
 Ingres, Jeannot G., and Ayers.
 Whitten, Owen M.
- Empire Furniture Manufacturing Company, assignee: *See*—
 Shoenberg, Abraham J.
- Empire Steel Company, assignee: *See*—
 Hill, John W.
- Emrich, Albert F., Valley Stream, N. Y. Work holding device. 2,457,811, Jan. 4.
- Emsco Derrick & Equipment Company, assignee: *See*—
 Newcomb, Leroy.
- Tremolada, Guglielmo R.
- Emslo Braid Corporation, assignee: *See*—
 Loader, Hector.
- Emulsol Corporation, The, assignee: *See*—
 Cahn, Frank J.
 Harris, Benjamin R.
 Lilienfeld, Werner M.
- Enco Mfg. Co., assignee: *See*—
 Benes, Gordon J.
- Ender, Clarence D., assignor to Hercules Powder Company, Wilmington, Del. Rosin ester-modified alkyd resin. 2,476,714, July 19.
- Enderich, Winfield S.: *See*—
 Bagley, William H., and Enderich.
- Endicott Johnson Corporation, assignee: *See*—
 Exley, Leo F.
 Steed, Leonard L.
- Endsley, Louis E., Pittsburgh, Pa., assignor to The Frost Railway Supply Co., Detroit, Mich. Friction spring for railway cars. 2,466,087, Apr. 5.
- Endsley, Louis E., Pittsburgh, Pa., assignor to The Frost Railway Supply Co., Detroit, Mich. Railway car truck and bolster having snubbers. 2,466,088, Apr. 5.
- Endsley, Louis E., Pittsburgh, Pa., W. W. Schettler, and J. H. Lentell, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Piston. 2,472,288, June 7.
- Enfield Rolling Mills Limited, assignee: *See*—
 Sykes, John.
- Engard, Albert L.: *See*—
 Engard, John R. and A. L.
- Engard, John R. and A. L., Hazelton, Pa. Belt-applying tool. 2,470,810, May 24.
- Engberg, Arthur W., Madison, Wis. Copper tube bending pliers. 2,477,727, Aug. 2.
- Engberg, Ralph E.: *See*—
 Miller, Edward G., and Engberg.
- Engbert, Francis A.: *See*—
 Engbert, Julius C. and F. A.
- Engbert, Julius C. and F. A., St. Louis, Mo. Floor polisher. 2,490,681, Dec. 6.
- Engel, Bruno K.: *See*—
 Holm, Curt F., and Engel.
- Engel, Bruno K., Hoglandstorget, and F. T. E. Palmqvist, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Refining hydrocarbon oil. 2,459,419, Jan. 18.
- Engel, Erich, Tonteg, near Pontypridd, assignor to Aero Zipp Fasteners Limited, London, England. Making sliding clasp fasteners. 2,490,863, Dec. 13.
- Engel, Erich, Tonteg, near Pontypridd, assignor to Aero Zipp Fasteners Limited, London, England. Manufacturing interlocking members for sliding clasp fasteners. 2,490,864, Dec. 13.
- Engel, John A., Jr., Baltimore, Md. Cushioned pencil point. 2,488,179, Nov. 15.
- Engel, John H., Escondido, Calif. Apparatus for shaping sheets. 2,487,966, Nov. 15.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of styrene by azeotropic distillation with morpholines. 2,465,715, Mar. 29.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of styrene by azeotropic distillation with dimethylamino ethanol. 2,465,716, Mar. 29.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of styrene by azeotropic distillation with ethylene chlorohydrin. 2,465,717, Mar. 29.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of styrene by azeotropic distillation with ethylene diamine. 2,465,718, Mar. 29.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Azeotropic distillation of styrene. 2,467,197, Apr. 12.
- Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of styrene by azeotropic distillation. 2,481,734, Sept. 13.
- Engel, Willem F.: *See*—
 Van Voorthuysen, Jan J. B. V., and Engel.
- Engel, Willem F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Purifying hydrocarbons. 2,481,300, Sept. 6.
- Engelhardt, George B., New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. High-g centrifuge. 2,465,437, Mar. 29.
- Engelhardt, Lloyd F.: *See*—
 Peters, Elwyn H., Engelhardt, and Brierton.
- Engelke Engineering, Incorporated, assignee: *See*—
 Engelke, Herman G.
- Engelke, Henry C., Bluffton, Minn. Cable splicing jig. 2,491,256, Dec. 13.
- Engelke, Herman G., West Bend, assignor to Engelke Engineering, Incorporated, Hartford, Wis. Pipe-line support. 2,472,654, June 7.
- Engert, George A., Westfield, assignor to Cheney Bigelow Wire Works, Springfield, Mass. Mixing box. 2,460,626, Feb. 1.
- Engholdt, Richard K.: *See*—
 Wantz, Clarence, and Engholdt.
- Engineering Laboratories, Inc., assignee: *See*—
 Green, William G., and Galloway.
- Engineering Manufacturing Co., assignee: *See*—
 Murphy, William H.
- Engineering and Research Corporation, assignee: *See*—
 Berliner, Henry A.
 Marchant, Lee L.
 Nagel, Felix.
 Weick, Fred E.
- England, James M., Lebanon, Mo., assignor of one-third to D. E. Owen and E. A. Gill, Litchfield, Ill. Winding machine. 2,462,620, Feb. 22.
- England, James M., Lebanon, Mo., assignor of one-third to D. E. Owen and E. A. Gill, Litchfield, Ill. Armature shaft winding cap. 2,462,621, Feb. 22.
- England, James M., Lebanon, assignor of one-third to D. E. Owen, St. Louis, Mo. Insulation means for electrical apparatus. 2,473,332, June 14.
- England, John H., Wellesley Hills, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,459,153, Jan. 18.
- England, John H., Wellesley Hills, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,459,154, Jan. 18.
- Englander Company, Inc., The, assignee: *See*—
 Blaha, Stephen J.
- Englander, Julius A., Detroit, Mich. Doll display stand. 2,465,076, Mar. 22.
- Engle, Charles A., Pawtucket, R. I. Football instructing device. 2,458,984, Jan. 11.
- Engle, Charles J., Los Angeles, Calif.; assignor, by mesne assignments, to Eastman Oil Well Survey Company, Denver, Colo. Core orienting apparatus. 2,489,566, Nov. 29.
- Engle, Homer A., Los Angeles, Calif. Control apparatus for periodically energizing gaseous discharge devices. 2,462,371, Feb. 22.
- Engle, Loy S.: *See*—
 Lee, Ernest D., and Engle.
- Engle, Loy S., Harrington Park, N. J., and W. Fikar, Jackson Heights, assignors to Interchemical Corporation, New York, N. Y. Rust inhibiting coating compositions. 2,472,099, June 7.
- Engleheart, Alexis C., Houston, Tex. Plumbing fitting assembly. 2,466,217, Apr. 5.
- Engleman, Elmer F., Burbank, Calif. Towel clip. 2,470,811, May 24.
- Engleman, M. W., assignee, trustee: *See*—
 Cothran, Charles D.
 Harlow, Orman M.
- Engler, Walter G.: *See*—
 Bennett, Azzel C., and Engler.
- Engles, Ray P., Tulsa, Okla. Bar for stringed instruments. 2,490,865, Dec. 13.

- English Electric Company, Limited, The, assignee: *See*—
Barlow, Kenneth F.
Binney, Eric A.
Chittenden, John P.
Edels, Harry.
Ferguson, John M.
Pearson, Edward.
Roberts, Leslie.
Shaw, Norman H.
Welsh, Robert J.
- English Electric Company of Canada Limited, assignee: *See*—
Mallett, Montville B.
- English, Harvey W., Portland, Oreg. Pivoted sweep arm bender with work-clamping jaw and nested sleeves on fulcrum. 2,492,360, Dec. 27.
- English, Harvey W. and M. W., Lewistown, Idaho. Open ended multiple wrench holder. 2,466,884, Apr. 12.
- English, Milton W.: *See*—
English, Harvey W. and M. W.
- Engstrom, Henry O., assignor to Boots Aircraft Nut Corporation, New Canaan, Conn. Threaded locking device. 2,463,859, Mar. 8.
- Engstrom, Howard T., United States Navy. Bearing evaluator. 2,463,528, Mar. 8.
- Engstrom, Oscar L., New York, N. Y. Liquid measuring dispenser. 2,464,030, Mar. 8.
- Engstrom, Ralph W., East Petersburg, Pa., assignor to Radio Corporation of America. Comparison control system. 2,459,632, Jan. 18.
- Engstrom, Thor: *See*—
Guffey, Wayne W., Mihelic, Piper, and Engstrom.
- Engstrom, Vincent C., South Gate, assignor to Arthur Loeff, Long Beach, Calif. Game apparatus. 2,485,721, Oct. 25.
- Engstrom, William, assignor to Continental Motors Corporation, Muskegon, Mich. Engine accessory drive coupling. 2,485,769, Nov. 22.
- Engvall, Elmer O.: *See*—
Downing, Rexford D., and Engvall.
- Enkur, Edward M., Babylon, N. Y., and L. F. Pahl and L. L. Lauve, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Conveyer mechanism for container capping apparatus. 2,479,822, Aug. 23.
- Ennis, Darwin T., Las Vegas, Nev. Recoil-reducing and shot-pattern-controlling device for shotguns. 2,466,400, Apr. 5.
- Ennis, Elmer, Indianapolis, Ind., E. Ennis, administrator of said E. Ennis, deceased. Individual wheel drive suspension. 2,475,487, July 5.
- Ennis, Emmett, administrator: *See*—
Ennis, Elmer.
- Enns, Waldo E., Portland, Oreg. Network analyzer. 2,491,095, Dec. 13.
- Enochs, Edward L., Modesto, Calif. Hat trick toy. 2,471,676, May 31.
- Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemming attachment for sewing machines. 2,492,931, Dec. 27.
- Enos, Louis H., Montclair, N. J., assignor to Curtiss-Wright Corporation. Fabricating propeller blades. 2,487,860, Nov. 15.
- Enright, Paul M.: *See*—
Cushing, Paul J., and Enright.
- Ensign Carburetor Company, assignee: *See*—
Ensign, Roy F.
Ensign, Roy F. and H. W.
- Ensign, George G., R. G. Lawson, E. H. Schaeffer, and W. M. Wochos, Jr., assignors to Elgin National Watch Company, Elgin, Ill. Train stop mechanism. 2,488,057, Nov. 15.
- Ensign, Robert H.: *See*—
Teague, Walter D., Jr., and Ensign.
- Ensign, Roy F., San Marino, assignor to Ensign Carburetor Company, Huntington Park, Calif. Control of feed pressure for internal-combustion engines. 2,475,086, July 5.
- Ensign, Roy F., San Marino, and H. W. Ensign, Los Angeles, assignors to Ensign Carburetor Company, Huntington Park, Calif. Pressure regulator and vaporizer, particularly for volatile liquid fuels. 2,475,087, July 5.
- Ensinger, Earl H., Cleveland, Ohio. Belt tightening means for engine units. 2,458,575, Jan. 11.
- Ensinger, Floyd R., Cincinnati, Ohio, and E. W. Stults, North Vernon, Ind. Brake adjuster. 2,463,092, Mar. 1.
- Ensinger, Ray L.: *See*—
Schorn, Carl F., and Ensinger.
- Ensor, Dorsey A.: *See*—
Rainalter, Herman, and Ensor.
- Enterprise Machine Parts Corp., assignee: *See*—
Hazen, Lysle L.
- Enterprise Oil Company, Inc., assignee: *See*—
Georgi, Carl W.
- Enterprise Railway Equipment Company, assignee: *See*—
Batho, William F.
Zimmer, Albert E.
- Enthone, Inc., assignee: *See*—
MacMahon, James D.
Meyer, Walter R.
- Entreprises Electriques Fribourgeoises, assignee: *See*—
Challet, Etienne.
- Entwistle, John M., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Chain saw. 2,485,962, Oct. 25.
- Entwistle, James L., Co., assignee: *See*—
Entwistle, James L.
- Entwistle, James L., Cranston, assignor to James L. Entwistle Co., Pawtucket, R. I. Insulated electric wire testing. 2,485,871, Oct. 25.
- Enzler, Paul R., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Electrical contact. 2,490,020, Dec. 6.
- Epler, Raymond W., Inglewood, Calif. Brake gauge. 2,476,484, July 19.
- Epp, Francis R., Altoona, Wis. Glare shield. 2,468,435, Apr. 26.
- Epperly, Harold L.: *See*—
Dawson, Milo J., and Epperly.
- Eppink, Donald L.: *See*—
Hemker, Herman W., and Eppink.
- Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Folding machine. 2,474,832, July 5.
- Eppler, Arthur H., Milwaukee, Wis. Polishing method and apparatus. 2,462,480, Feb. 22.
- Eppler, Eugene: *See*—
Winslow, Albert E., and Eppler.
- Eppler, Walter T., Cranford, and W. J. Keller, Jersey City, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,468,294, Apr. 26.
- Eppley, Chester L.: *See*—
Quinnell, Earle D., and Eppley.
- Epplin, Leo A., Waterloo, Ill. Pill dispenser. 2,475,738, July 12.
- Epps, Thomas Byrd, Boston, Mass. Storage and display box. 2,457,812, Jan. 4.
- Epstein, Benjamin, assignee: *See*—
Schenck, Edward L.
- Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Image projection lens and mirror system with spherical aberration correction means. 2,477,331, July 26.
- Epstein, Herman, Newark, N. J. Hand weaving device. 2,463,365, Mar. 1.
- Epstein, Hirsh, assignee: *See*—
Berger, Paul.
Freeman, Ernest H.
- Epstein, Hirsch, assignor to Advance Transformer Co., Chicago, Ill. Core clamp. 2,472,150, June 7.
- Epstein, Jess: *See*—
Brown, George H., and Epstein.
- Epstein, Leonard S., assignee: *See*—
Schenck, Edward L.
- Epstein, Ralph, Bronx, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Display cabinet. 2,465,013, Mar. 22.
- Epstein, Seymour, New York, and R. Bihler, Brentwood, N. Y. Apparatus for making powder puffs. 2,484,336, Oct. 11.
- Epstein, Stanley W., assignee: *See*—
Schenck, Edward L.
- Equi-Flow, Inc., assignee: *See*—
Ungar, Gustave A.
- Equipment Development Co., Inc., assignee: *See*—
Smith, Edmund G., and Cocchiarella.
- Equitable Life Assurance Society of the United States, The, assignee: *See*—
Gubner, Richard S.
- Equitable Paper Bag Co. Inc., assignee: *See*—
Poppe, George W.
- Eramo, Americo T.: *See*—
Eramo, Helen, Marino, and Eramo.
- Eramo, Helen, J. Marino, and A. F. Eramo, Brooklyn, N. Y. Combined credenza and folding bed. 2,484,377, Oct. 11.
- Erasmus, Hendrik D.: *See*—
Spendelow, Howard R., Jr., and Erasmus.
- Erasmus, Hendrik D., Lewiston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Production of ferrochromium. 2,473,019, June 14.
- Erasmus, Hendrik D., Lewiston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Beneficiation of ores by the removal of iron. 2,480,184, Aug. 30.
- Eratico, Rose R., Long Island City, N. Y. Clip and cap for pocket carried implements. 2,487,320, Nov. 8.
- Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Apparatus for shaping containers. 2,462,080, Feb. 22.
- Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Container. 2,488,528, Nov. 22.
- Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Container closure. 2,490,791, Dec. 13.
- Erbe, John R.: *See*—
Stoltz, Glenn E., and Erbe.
Stoltz, Glenn E., Erbe, and Gelselman.

- Erbe, John R., and G. A. Caldwell, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator fed motor control system. 2,462,171, Feb. 22.
- Erchak, Michael, Jr., Morris Plains, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of nitriles. 2,486,934, Nov. 1.
- Erd, Fred G., Lexington, Ky. Closure check. 2,464,637, Mar. 15.
- Erdle, Reiner W., Chicago, Ill., assignor to Austenal Laboratories, Incorporated, New York, N. Y. Making artificial teeth. 2,475,599, July 12.
- Erdle, Reiner W., and C. H. Schaar, assignors to Austenal Laboratories, Incorporated, Chicago, Ill. Pattern material, pattern, and method. 2,461,416, Feb. 8.
- Erdmann, Richard C., Minneapolis, Minn. Collar and tie holder. 2,462,311, Feb. 22.
- Ergen, William K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic motor control apparatus. 2,475,132, July 5.
- Ergen, William K., Oak Ridge, Tenn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Discriminator circuit. 2,476,849, July 19.
- Erhard, Ralph: *See*—
Whitney, Eugene C., and Erhard.
- Erhardt, Oscar P., West Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building blocks with closure panes. 2,461,535, Feb. 15.
- Erickson, Albert L., and J. C. Kyle, Palo Alto, Calif. Pressure cell. 2,459,155, Jan. 18.
- Erickson, Algot, East Chicago, Ind. Pickup attachment for rakes. 2,486,395, Nov. 1.
- Erickson, Andrew L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating. 2,459,067, Jan. 11.
- Erickson, Andrew L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Unit strip assembly. 2,471,145, May 24.
- Erickson, Andrew L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Manufacture of unit strip assemblies. 2,482,613, Sept. 20.
- Erickson, Arthur, Taylor, Wis. Suspender holder. 2,480,722, Aug. 30.
- Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Liquid separation. 2,466,014, Apr. 5.
- Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Extraction and purification of sugar. 2,482,750, Sept. 27.
- Erickson, Carl E., Kalamazoo, Mich. Suction cleaner and rotary agitator therefor. 2,476,537, July 19.
- Erickson, Charles, and E. Spellman, New York, N. Y. Scraper for freezing apparatus. 2,470,691, May 17.
- Erickson, Charles A., Dearborn, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Pump. 2,462,372, Feb. 22.
- Erickson, Charles A., Dearborn, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Diaphragm pump. 2,469,818, May 10.
- Erickson, Charles A., Dearborn, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Pump. 2,485,439, Oct. 18.
- Erickson, Donald R., Kalamazoo, Mich. Manufacture of hydroxy alkyl cellulose. 2,469,764, May 10.
- Erickson, Ingemar, and R. H. Miller, Milwaukee, Wis. Weedless fish lure. 2,476,485, July 19.
- Erickson, John A., Jackson, Mich. Feed device for mills for milling grain. 2,475,381, July 5.
- Erickson, John A., Manhattan, Kans. Combined milling and conveying apparatus. 2,475,382, July 5.
- Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. β -amino- α -chloroacrylonitriles and preparation. 2,459,420, Jan. 18.
- Erickson, John R., assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,488,276, Nov. 15.
- Erickson, John R. L., Kerman, Calif. Irrigation flow regulator apparatus. 2,465,975, Mar. 29.
- Erickson, John W., Seattle, Wash. Door casing gauge. 2,473,639, June 21.
- Erickson, Norman B.: *See*—
Larsen, Merwin J., Erickson, and Anderson.
- Erickson, Paul N., Detroit, Mich. Towing apparatus. 2,475,280, July 5.
- Erickson, Vernon T., and E. F. Davis, Jacksonville, Fla. Ice cube forming and dispensing machine. 2,460,341, Feb. 1.
- Ericson, Albert A., Massapequa Park, N. Y., assignor to The Farmingdale Corporation. Speed responsive variable capacity rotary fluid motor having fluid actuated radially sliding vanes. 2,487,321, Nov. 8.
- Ericson, George R., assignee: *See*—
Coffey, Irvn E.
Morris, Harold L.
- Ericson, George R., Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo. Internal-combustion engine. 2,463,256, Mar. 1.
- Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Electric fuel pump. 2,468,187, Apr. 26.
- Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Antidetontating device. 2,477,481, July 26.
- Ericson, Joseph E., Kensington, Conn. Garment hanger. 2,461,149, Feb. 8.
- Ericsson, Arvid I.: *See*—
Crosby, George A., and Ericsson.
- Ericsson, Eric A., and A. C. Jacobaeus, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Waiting call indicating device for semi-automatic telephone systems. 2,491,171, Dec. 13.
- Ericsson, Ernst A. J., Goteborg, Sweden. Fracture nail. 2,486,136, Oct. 25.
- Erie Coach Company, assignee: *See*—
Bennett, Arthur W.
- Erie Manufacturing Company, assignee: *See*—
Wentz, Clarence, and Engholdt.
- Erie Mining Company, assignee: *See*—
De Vane, Fred D.
- Erie Resistor Corporation, assignee: *See*—
Gray, Robert B.
- Eriksen, Aage A., assignor to A. Syversen, Oslo, Norway. Gravity operated locking means for chair casters. 2,490,953, Dec. 13.
- Eriksen, Kenneth, and C. W. Concelman, Brookfield, Conn., assignors to Hazeltine Research, Inc., Chicago, Ill. Standoff insulator. 2,476,407, July 19.
- Eriksson, Erik O.: *See*—
Boestad, Gustav K. W., and Eriksson.
- Eriksson, Erik O., Hornsjofofs, Sweden. Suction chuck. 2,469,817, May 10.
- Eriksson, Leonard, assignor to Precision Parts Limited, Montreal, Quebec, Canada. Saw chain tensioning device for chain saws. 2,487,322, Nov. 8.
- Erismann, John L., Oak Park, Ill., assignor to Link-Belt Company. Rotary drier or cooler. 2,483,630, Oct. 4.
- Erkila, Andrew, assignor to Independent Lock Company, Fitchburg, Mass. Tubular knob latch. 2,486,268, Oct. 25.
- Erkko, Eero O., Wilmington, Del., and R. T. Trelfa, Kalamazoo, Mich., assignors to Hercules Powder Company, Wilmington, Del. Isolation of soybean protein. 2,460,627, Feb. 1.
- Erland af Kleen, Nils, North Stonington, Conn., assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Intermittent absorption refrigeration apparatus. 2,487,861, Nov. 15.
- Erlandson, Paul M., U. S. Navy. Radial beam tube assembly. 2,476,966, July 26.
- Erlbacher, Robert W., Cape Girardeau, Mo. Self-adjusting slip box. 2,473,140, June 14.
- Erler, Johannes, Orange, Conn., and E. R. Gasser, Buffalo, N. Y., assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Method of and apparatus for electrically heating gear teeth. 2,480,457, Aug. 30.
- Erlor, Walter C., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Ironer shoe and table. 2,474,351, June 28.
- Erlich, Victor L., New York, N. Y., assignor to Red Arrow Malting Company, Milwaukee, Wis. Grain preparations of high diastatic power. 2,486,396, Nov. 1.
- Erling, Sven J., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Suspension device for flexible pipes and the like. 2,465,857, Mar. 29.
- Ermert, Carl, Cincinnati, Ohio. Banana pulp free from starch. 2,472,289, June 7.
- Ermitaño, Valentin G., Burgos, P. I. Ground scraping and leveling implement. 2,465,077, Mar. 22.
- Ermold, Edward, Company, assignee: *See*—
Reimers, Theodore D.
- Ernest, Frederick I., Elkhart, Ind. Precision expanding adapter. 2,469,873, May 10.
- Ernest, Thomas R., assignor to Thompson Manufacturing Co., Chicago, Ill. Processing casings. 2,460,077, Jan. 25.
- Ernestus, Adolph W., and O. F. Rendenbach, assignors to A. O. Smith Corporation, Milwaukee, Wis. Chime for barrels. 2,489,766, Nov. 29.
- Ernsberger, Fred M.: *See*—
MacPherson, Donald R., France, and Ernsberger.
- Ernsberger, Maurice L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diesters of 1-ketophosphonic acids. 2,491,920, Dec. 20.
- Ernst, Earl A., Bakersfield, Calif. Plural conveyer arrangement. 2,479,823, Aug. 23.
- Ernst, Hans: *See*—
Hassman, Fred A., and Ernst.
- Ernst, Robert, Los Angeles, Calif. Compositions of chlorinated terphenyl and cellulose acetate-butyrate for strippable coatings. 2,486,012, Oct. 25.
- Ernst, Walter: *See*—
MacMillin, Howard F., and Ernst.
- Ernst, Walter, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic circuit. 2,481,991, Sept. 13.
- Ernst, Walter, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Balanced gear pump. 2,491,365, Dec. 13.
- Ernst, Walter, and P. J. Lindner, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Fluid-pressure-responsive control circuit for die-casting presses. 2,465,580, Mar. 29.
- Ernst, Walter, Mount Gilead, and W. R. Tucker, Dayton, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Pump. 2,477,444, July 26.

- Ernst, Walter, and C. Hedrick, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Hydraulic press equipped with a synchronized stripping plunger. 2,484,879, Oct. 18.
- Ernster, Nicholas, Phoenix, Ariz., assignor to Heveatex Corporation, Melrose, Mass. Inorganic polysulfide-organic dihalide reaction product. 2,489,567, Nov. 29.
- Erny, Frank, Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Flap operating means. 2,458,900, Jan. 11.
- Errett, Sanford J., Portland, Oreg. Welder's double mitt. 2,460,413, Feb. 1.
- Erskine, Robert A., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,465,438, Mar. 29.
- Erson, Erik G., Wilkesburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Protection valve device. 2,464,963, Mar. 22.
- Ertl, Louis J., Nebraska City, Nebr. Portable key seat milling machine. 2,464,297, Mar. 15.
- Ervin, Francis N., Wilmar, Calif. Electrical connector. 2,486,013, Oct. 25.
- Ervin, Weldon C., South Gate, Calif. Outside cutter. 2,481,831, Sept. 13.
- Erwin Wesley S., assignor to General Motors Corporation, Detroit, Mich. Crystal. 2,485,722, Oct. 25.
- Esarey, Raymond W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor construction. 2,462,172, Feb. 22.
- Esch, Clarence W., Utica, N. Y. Bean picker. 2,466,089, Apr. 5.
- Eschelbacher, Emanuel, New York, N. Y. Resilient insert strip for drop seat garments. 2,485,268, Oct. 18.
- Escher, Edward P., Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind. Conveyor cover clamping and dust-sealing means. 2,459,770, Jan. 18.
- Escher Wyss Maschinenfabriken Aktiengesellschaft, assignee: See—
Keller, Curt.
Leischner, Georg.
Obriest, Heinrich.
- Eschrich, Leroy S., Pittsburgh, Pa. Louvered awning. 2,484,987, Oct. 18.
- Escoffery, Charles A., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,468,051, Apr. 26.
- Esgate, Ernest E., Coeur d'Alene, Idaho. Sawmill construction. 2,459,800, Jan. 25.
- Esgro, Sam, assignee: See—
Stroh, Victor.
- Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Coolant relief valve. 2,469,195, May 3.
- Eshleman, Richard F., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Guide bar construction for warp knitting machines. 2,480,231, Aug. 30.
- Eshleman, Virgil W., Wichita, Kans. Drill press clamp. 2,486,838, Nov. 1.
- Eskew, Roderick K., Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Obtaining rutin from buckwheat. 2,478,168, Aug. 9.
- Eskew, Roderick K., Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Recovering nicotine from nicotine-bearing plant material. 2,478,473, Aug. 9.
- Eskin, Samuel G., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control apparatus for fuel burners. 2,484,405, Oct. 11.
- Eskow, Seymour, Taunton, Mass. Manufacture of rug braids. 2,468,870, May 3.
- Esleek, Clyde, assignor to Lawn Equipment Company, Houston, Tex. Lawn edger. 2,478,813, Aug. 9.
- Esmeo Auto Products Corporation, assignee: See—
Greene, David.
- Esmond, William G., Cumberland, Md., assignor to Celanese Corporation of America. Advancing reel. 2,459,270, Jan. 18.
- Espenschied, Lloyd, Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency transmission system. 2,467,299, Apr. 12.
- Espenship, Abram C., Collegeville, assignor to H. L. Gabel and A. C. Espenship, co-partners trading as The Pen Rod Company, Gilbertsville, Pa. Fishing rod handle. 2,485,144, Oct. 18.
- Espinasse, Gustave H. G. and J. P. C., Ales Gard, France. Ice cream machine with perforated screw agitator. 2,474,730, June 28.
- Espinasse, Jean P. C.: See—
Espinasse, Gustave H. G., and J. P. C.
- Esping, Eula E., assignee: See—
Kissell, Kenneth K.
- Espley, Dennis C., Wembley, England, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Television receiver including a horizontal oscillator responsive to a predetermined fraction of transmitted synchronizing pulses. 2,468,256, Apr. 26.
- Espy, John A., Buechel, Ky. Centrifugal pump. 2,459,220, Jan. 18.
- Esseling, Ludovicus A. L.: See—
van Geel, Willem C., and Esseling.
- Essential Products Corporation, assignee: See—
Schlude, Philip J.
- Esser, David, assignee: See—
Rostoker, Louis.
- Essex Wire Corporation, assignee: See—
Clayton, Harold H.
McClain, Joseph W.
Schwennessen, Donald C.
- Essick, Bryant, assignee: See—
Gibo, Albert P.
- Essick, Bryant, Los Angeles, Calif. Liquid circulator. 2,459,312, Jan. 18.
- Essig, Sanford F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Shading compensating mosaic screen electrode. 2,467,734, Apr. 19.
- Essig, Thomas E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Control device for interoffice communication systems. 2,484,082, Oct. 11.
- Essington, Albert J., Penn's Grove, N. J. Educational toy. 2,490,342, Dec. 6.
- Essl, Max, Swarthmore, Pa., assignor to William H. Harman Corporation, Wilmington, Del. Sectional shaft. 2,473,417, June 14.
- Essman, Manuel, New York, N. Y. Fireproof container. 2,481,095, Sept. 6.
- Esson, Gordon F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Ceddar tool. 2,472,744, June 7.
- Estes, Joseph R., Cedar Rapids, Iowa. Latching means for tractor hitch bars. 2,461,885, Feb. 15.
- Estes, Rogers F., assignee: See—
South, Luther B.
- Estey, Maynard E., Canandaigua, assignor, by mesne assignments, to Estey Products Corporation, Geneva, N. Y. Sliding vane pump or motor. 2,462,481, Feb. 22.
- Estey Products Corporation, assignee: See—
Estey, Maynard E.
- Estoup, Jean, so-called Henri Estoup, Sceaux, assignor to Mecanique et Transmission Metran, Paris, France. Telegraph keyboard transmitter. 2,487,118, Nov. 8.
- Esval, Orland E.: See—
Halpert, Percy, Frische, Bird, and Esval.
- Esval, Orland E., Huntington, N. Y., assignor to The Sperry Corporation. Servomotor system. 2,462,081, Feb. 22.
- Esval, Orland E., Huntington, assignor to The Sperry Corporation, Great Neck, N. Y. Pick-off device for electrical control systems. 2,484,022, Oct. 11.
- Esval, Orland E., Huntington, and F. Halpert, Hempstead, N. Y., assignors to The Sperry Corporation. Object controlling electric motor system. 2,487,793, Nov. 15.
- Etablissements Aera, assignee: See—
Ardoin, Aimé, and Chenillat.
- Etablissements Edgar Brandt, assignee: See—
Jasse, Joseph R.
- Etablissements Labinal, assignee: See—
Boncompain, Francois.
- Etches, James H., Detroit, Mich. Collapsible camp stove. 2,474,043, June 21.
- Etherington, Robert J.: See—
Brandon, Joseph J., and Etherington.
- Ethyl Corporation, assignee: See—
Calingaert, George, and Wintringham.
Dorsky, Julian, Mattson, and Neher.
- Etnyre, E. D., & Co., assignee: See—
Etnyre, George M.
- Etnyre, George M., assignor to E. D. Etnyre & Co., Oregon, Ill. Distributor for bitumen and like material. 2,472,199, June 7.
- Etten, Nicholas L., Waterloo, Iowa, assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Fragmentation bomb. 2,458,576, Jan. 11.
- Etten, Nicholas L., Waterloo, Iowa. Washing machine agitator. 2,482,253, Sept. 20.
- Ettensohn, John, Jr., assignee: See—
Ivey, Scott R.
- Ettl, Joseph, Brooklyn, assignor to Rogers Industries, Inc., New York, N. Y. Coating machine for flexible sheet materials. 2,473,243, June 14.
- Ettleson, Ruth, Chicago, Ill. Brassière. 2,457,989, Jan. 4.
- Eubank, Lowell D.: See—
Boller, Ernest R., Eubank, and Kepfer.
- Eubank, Lowell D., Richland, Wash., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Foaming-type galvanizing fluxes and processes employing them. 2,473,579, June 21.
- Eubank, Lowell D., Richland, Wash., and C. J. Krister, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Foaming galvanizing fluxes and processes employing them. 2,473,580, June 21.
- Eubanks, Floyd G., Pasadena, Calif. Toothbrush with identification means. 2,489,707, Nov. 29.
- Euclid Road Machinery Co., The, assignee: See—
Armington, George E.
Armington, Raymond Q.
Double, Walter F.
Double, Walter F., Armington, and Armington, R. Q.
Mayner, Stanley, and Kapel.
- EuDailey, Mary V., executrix: See—
Smith, William H.
- Eugene, Ltd., assignee: See—
Chedister, Conkling.

- Eulenfeld, Benjamin, St. Simons Island, Ga. Toy cap rifle. 2,481,301, Sept. 6.
- Euler, Alfred R., New York, N. Y. Alarm bell for windows, doors, etc. 2,492,625, Dec. 27.
- Eunson, William H.: *See*—
Whittaker, Charles C., and Eunson.
- Eureka Williams Corporation, assignee: *See*—
Brown, Gordon H.
Coss, George R.
Foley, Charles F.
Hahn, Paul T.
Hammell, Kemper M.
Hammell, Kemper M., and Baluff.
Hough, Earl B.
Knight, Orren W.
Osborn, Ralph C.
Sheppard, William L.
Vickers, Samuel E.
Witherell, Robert R.
- Eutectic Welding Alloys Corporation, assignee: *See*—
Leston, Theodore I., and Kriewall.
- Evans, Ambrose H., Hutchinson, Kans. Gun sight. 2,471,027, May 24.
- Evans, Clarence A., Atlanta, Ga. Method and apparatus for molding doll heads. 2,466,586, Apr. 5.
- Evans, Clarence J., Cleveland, Ohio. Milling machine. 2,475,227, July 5.
- Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnet with plunger. 2,462,482, Feb. 22.
- Evans, Clinton M.: *See*—
Nuremberg, George F., and Evans.
- Evans, Cyril D.: *See*—
Croston, Clarence B., and Evans.
- Evans, Cyril H., Snaresbrook, London, England. Treatment of wheat, rye, and other cereals, and bran. 2,473,043, Aug. 2.
- Evans, Daniel B., Bennettsville, S. C. Plant thinning and cultivating machine. 2,491,304, Dec. 13.
- Evans, Edward M.: *See*—
Hookway, Harry T., and Evans.
- Evans, Emanuel E., assignee: *See*—
Zajac, Ignatius.
- Evans, George A.: *See*—
Worn, George A., and Evans, Jr.
- Evans, George H., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil dewaxing. 2,486,014, Oct. 25.
- Evans, George S., Fairmont, W. Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode coating. 2,476,590, July 19.
- Evans, George W., Jr.: *See*—
Worn, George A., and Evans, Jr.
- Evans, Gerald T., Brazil, Ind. Nonmetallic sheath cable connector. 2,479,223, Aug. 16.
- Evans, Gordon R.: *See*—
Guthrie, Thomas and Evans.
- Evans, Guy J., Buffalo, N. Y. Folding box. 2,458,578, Jan. 11.
- Evans, Hector C., Cranford, and D. W. Young, Roselle, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Lubricating oil composition. 2,492,789, Dec. 27.
- Evans, Isaac A., Muncie, Ind. Slip cover for seat cushions. 2,460,928, Feb. 8.
- Evans, Jack O., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for railway draft riggings. 2,463,366, Mar. 1.
- Evans, James W.: *See*—
Fetzer, Walter R., and Evans.
- Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. High-potential power supply. 2,458,577, Jan. 11.
- Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. Heat detecting system. 2,467,120, Apr. 12.
- Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. Pulse producing apparatus. 2,470,550, May 17.
- Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. Heat detecting system. 2,473,197, June 14.
- Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Pulse-echo distance indicator. 2,466,539, Apr. 5.
- Evans, John, Princeton, N. J., assignor to Radio Corporation of America. Variable reactive microwave device. 2,483,818, Oct. 4.
- Evans, John C., assignor to Eastman Kodak Company, Rochester, N. Y. Sensitometer and film loading mechanism therefor. 2,466,401, Apr. 5.
- Evans, John L., and T. N. Busch, Sumner, S. C. Transportation assembly. 2,466,938, Apr. 12.
- Evans, John M., Oakland, P. M. Ruedrich, Berkeley, and V. A. Strom, Palo Alto, Calif., assignors to Griffin Chemical Company. Flowable chlorinated camphene composition. 2,488,590, Nov. 22.
- Evans, John R., Westmount, Quebec, Canada. Flow meter. 2,483,190, Sept. 27.
- Evans, John R., & Company, assignee: *See*—
Windus, Wallace.
- Evans, Leigh R., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Work stop for use with collets. 2,469,160, May 3.
- Evans, Lewis W., and A. A. Olsen, Pittsfield, Mass., assignor to General Electric Company. Disconnecting device. 2,464,565, Mar. 15.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for burning contaminants from a moving bed contact mass. 2,458,356, Jan. 4.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting reactions in the presence of a contact mass. 2,458,357, Jan. 4.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Regenerating a moving bed of solid catalyst. 2,458,358, Jan. 4.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Process of multiple-zone regeneration of a moving bed catalyst. 2,458,359, Jan. 4.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,469,332, May 3.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion process. 2,487,794, Nov. 15.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion process. 2,487,795, Nov. 15.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion process. 2,487,796, Nov. 15.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting gas-solid contact operations. 2,488,493, Nov. 15.
- Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Cracking process for the production of olefins from hydrocarbons. 2,489,628, Nov. 29.
- Evans, Percy N., assignor to A. C. E. Machinery Limited, Brentford, England. Mobile hoisting and conveying apparatus. 2,488,180, Nov. 15.
- Evans Products Company, assignee: *See*—
Brandon, Joseph J., and Etherington.
Nampa, Sulo M.
Sanders, Elmore J.
Watts, William S., and Davidson.
- Evans, Ralph C., Syracuse, N. Y. Hand truck. 2,461,203, Feb. 8.
- Evans, Ralph L., assignee: *See*—
Winkel, Fred M.
- Evans, Raymond J., Bensonville, and F. L. Kurek, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Solder-flux mixture. 2,480,723, Aug. 30.
- Evans, Roy F., Los Angeles, Calif. Window lock. 2,465,522, Mar. 29.
- Evans, Russell T., and J. H. Clasen, Anaheim, assignors to A. M. Mellen, Whittier, Calif. Two-way plow. 2,474,731, June 28.
- Evans, S. W., & Son, assignee: *See*—
Evans, Wayne S., and Tartaglia.
- Evans, Theodore W.: *See*—
Adelson, David E., and Evans.
Hearne, George W., La France, and Evans.
Williams, Paul H., and Evans.
- Evans, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Polymeric aldehyde diesters and production thereof. 2,478,154, Aug. 2.
- Evans, Thomas J., Berkley, assignor of fifty per cent to H. G. Privott, Norfolk, Va. Fuel oil burner with steam and oil mixing means. 2,486,137, Oct. 25.
- Evans, Vincent J., Lakewood, Ohio, assignor to Grand Industries, Inc. Combination burner and grate. 2,485,145, Oct. 18.
- Evans, Vincent J., Lakewood, assignor to Grand Industries, Inc., Cleveland, Ohio. Fuel and damper control combination. 2,488,388, Nov. 15.
- Evans, Wayne S., and L. G. Tartaglia, assignors to S. W. Evans & Son, Philadelphia, Pa. Umbrella frame. 2,469,637, May 10.
- Evans, William G., Baltimore, and W. C. Schaefer, Parkville, assignors to The Glenn L. Martin Company, Middle River, Md. Anode rod for plating tanks. 2,472,796, June 14.
- Evans, William H., Chicago, Ill. Boat. 2,466,164, Apr. 5.
- Evans, William I., Los Angeles, and E. Blanco, South Gate, Calif. Article construction. 2,464,743, Mar. 15.
- Even-Pul Foundations, Incorporated, assignee: *See*—
Lo Cascio, Jack.
Lo Cascio, Jack J.
Rosner, Irving.
- Evensen, Christian, Melrose Park, Ill. Flange forming tool for openings in sheet metal. 2,458,842, Jan. 11.
- Evenstad, Sydney T., El Monte, and W. F. MacGlashan, Jr., Alhambra, assignors to James H. Knapp Company, Los Angeles, Calif. Machine tool operating system. 2,488,620, Nov. 22.
- Eveready Keyholder Co., Inc., assignee: *See*—
Zarowin, Albert A.
- Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Collapsible wheel chair. 2,486,015, Oct. 25.
- Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Control mechanism for container handling machines. 2,491,651, Dec. 20.

- Everett, Edgecombe and Company Limited, assignee: *See*—
De Gruchy, John N.
- Everett, Frederick C., Rockville Centre, N. Y., assignor to Radio Corporation of America. Tunable unit for high-frequency circuit. 2,483,893, Oct. 4.
- Everett Piano Company, assignee: *See*—
Stapely, George H.
- Everett, Samuel J., Thornton Heath, assignor to James A. Jobling & Co. Ltd., Sunderland, England. Forming precision bore glass tubing. 2,458,934, Jan. 11.
- Everhart, Arbor G.: *See*—
Richardson, Avery G., and Everhart.
- Everhart, Edgar, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Variable frequency magnetron circuit. 2,472,200, June 7.
- Evering, Bernard L.: *See*—
Lien, Arthur P., and Evering.
- Evering, Bernard L., and E. L. d'Ouville, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion system. 2,468,549, Apr. 26.
- Everington, Geoffrey D., assignor to K. D. G. Instruments Limited, London, England. Fluid transmission relay device. 2,476,080, July 12.
- Evers, Harry G., Newark, N. J., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Remote-control system. 2,477,241, July 26.
- Evers, Harry G., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Remote control system. 2,477,973, Aug. 2.
- Evers, Rolf: *See*—
Sutton, Harry A., and Evers.
- Eversharp, Inc., assignee: *See*—
Biro, Laszlo J.
Hamm, Homer A.
Wahl, John C.
- Eversman Mfg. Co., assignee: *See*—
Shumaker, Lawrence E., and Davis.
- Everson, Elmer W.: *See*—
Raburn, Louis E., and Everson.
- Everson, Russell B., Tallman, N. Y., and W. E. Ward, Dover, assignors to The Okonite Company, Passaic, N. J. Sparking electrode for dry electrical testing of insulated wire. 2,471,560, May 31.
- Everston, Joseph H., Milwaukee, Wis. Removable insert for shoes. 2,482,333, Sept. 20.
- Evertite Roof Corporation, assignee: *See*—
Sidwell, Webster S.
- Evinsson, Martin E., Karlskoga, Sweden. Shore. 2,486,132.
- Evjen, Haakon M., assignor to Nordel Corporation, Houston, Tex. Electrical measuring system. 2,475,827, July 12.
- Ewald, Raymond L., and H. A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Ore. Fruit discharging means. 2,476,289, July 19.
- Ewald, Raymond L., and H. A. Skog, assignors to Special Equipment Company, Portland, Ore. Half fruit peeler with cooperating retainer means. 2,458,506, Jan. 11.
- Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Counterbalancing apparatus. 2,472,151, June 7.
- Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Tension control. 2,475,426, July 5.
- Ewart, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for forming soles. 2,475,663, July 12.
- Ewell, Andrew T., assignor to D. P. Gavan, Atlanta, Ga. Wire rope. 2,480,005, Aug. 23.
- Ewen, Harold I., U. S. Navy. Mercurial column controlled inductance. 2,491,486, Dec. 20.
- Ewer, Arthur C., Brooklyn, and R. W. Hanse, Merrick, N. Y., assignors to Bemis Bro. Bag Company, St. Louis, Mo. Method of and apparatus for inserting draw cords in bags. 2,477,053, July 26.
- Ewert, Kathryn: *See*—
Washburn, Kathryn
- Ewertz, Clement G., Des Moines, Iowa. Method of and apparatus for removing kernels from corncobs. 2,477,445, July 26.
- Eweson, Eric W., New York, N. Y. Making organic fertilizer. 2,474,833, July 5.
- Ewing, Alvin L., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn drying apparatus. 2,465,214, Mar. 22.
- Ewing, Alvin L., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for processing yarn. 2,481,916, Sept. 13.
- Ewing, Alvin L., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn-advancing reel. 2,491,038, Dec. 13.
- Ewing, Edwin C., Chicago, Ill., assignor to Zenith Radio Corporation. Supporting means for vacuum tube electrodes. 2,486,829, Nov. 1.
- Ewing, Frederick J., Arcadia, Calif., assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining Unincorporated. Process for refining animal and vegetable oils. Re. 23,118, May 31.
- Ewing, Herbert S., Philadelphia, Pa. Apparatus for locating reflecting surfaces and for measuring the curvatures thereof. 2,466,015, Apr. 5.
- Ewing, John M., Fort Lauderdale, Fla. Water excluding vent. 2,480,562, Aug. 30.
- Ewing, Samuel C., Scotia, N. Y., assignor to General Electric Company. Synchronous motor control system. 2,470,478, May 17.
- Ewing, William M., and J. L. Worzel, Woods Hole, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Hydrofoil depth control. 2,480,561, Aug. 30.
- Exacta Manufacturing Co., Inc., assignee: *See*—
Gibson, Thomas M.
- Excel Auto Radiator Company, assignee: *See*—
Briskin, Theodore S.
Briskin, Theodore S., and Zivny.
- Excel Automatic Products, Inc., assignee: *See*—
Mills, John E.
- Excel Movie Products, Inc., assignee: *See*—
Karr, Philip L.
Lloyd, Whitten P.
- Ex-Cell-O Corporation, assignee: *See*—
Alden, Carroll R.
Archer, Charles E.
Brinkmann, Guenther.
Esson, Gordon F.
Gjertsen, Paul R.
Group, Frank B.
Hall, John I.
Monroe, Charles Z.
Monroe, Charles Z., and Smith.
Seyferth, Harold N.
Stewart, Gilbert.
Wallman, Carl B.
- Excelsior Machinery Company, assignee: *See*—
Caplan, William.
- Exley, Leo F., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Platform cover roughening and grading machine. 2,491,962, Dec. 20.
- Expeditors Ltd., assignee: *See*—
Maud, Harold, and Reiter.
- Express Lift Company Limited, The, assignee: *See*—
Kruger, Seraphim.
- Extended Surface Division of David E. Kennedy, Inc., assignee: *See*—
Schryber, Emil A.
- Exter, Robert J., Flossmoor, Ill. Handcart. 2,463,164, Mar. 1.
- Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.
- Exum, Raymond E., East Orange, N. J., assignor to Allied Chemical & Dye Corporation. Material unloader. 2,481,917, Sept. 13.
- Eyges, Leonard J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,472,201, June 7.
- Eynon, Blaine E., Birmingham, and D. Gustafson, assignors to Eynon-Dakin Company, Detroit, Mich. Oil tube dust cap. 2,484,617, Oct. 11.
- Eynon-Dakin Company, assignee: *See*—
Eynon, Blaine E., and Gustafson.
- Eysmann, Morris M., Jersey City, N. J. Picture hook device. 2,478,256, Aug. 9.
- Eytigke, Bruce D., Grand Rapids, Mich. Glide path simulator for link trainers. 2,475,600, July 12.
- F. & N. Lawn Mower Company, The, assignee: *See*—
Bishop, William R.
- FR Corporation, The, assignee: *See*—
Barth, Robert M.
- F-R Machine Works, assignee: *See*—
Hollstein, Oswald C.
- Faber, George A., and A. B. Rubin, Millersburg, Pa., assignors, by mesne assignments, to Columbia Development Company. Welt type shoe with slip soles. 2,477,866, Aug. 2.
- Faber, Gilbert R.: *See*—
Faber, Jack and G. B.
- Faber, Jack and G. R., Millersburg, Pa. Shoe flexing machine. 2,464,969, Mar. 22.
- Fabian, Richard V., assignee: *See*—
Elmore, Austin E.
- Fabre, Gabriel, assignee: *See*—
Gatti, Francois.
- Fabric Development Company Limited, assignee: *See*—
Van Issum, Hans.
- Fabric Fire Hose Company, assignee: *See*—
Cole, Charles S.
- Fabrique Suisse De Crayons Caran D'Ache S. A., assignee: *See*—
Germann, Werner.
- Fader, William, Newark, N. J. Grill. 2,486,708, Nov. 1.
- Fader, William L.: *See*—
Pettengill, George D., Jarvis, and Fader.
- Faeber, Harry W., New London, Conn., assignor to Time, Inc., New York, N. Y. Ink transfer roller. 2,467,199, Apr. 12.
- Fafnir Bearing Company, assignee: *See*—
Berg, Carl A.
- Fagan, Thomas F., Columbia, Conn. Dental flask. 2,471,205, May 24.
- Fagen, William F., assignor to Stewart-Warner Corporation, Chicago, Ill. Electrical fence charging apparatus. 2,475,883, July 12.

- Fageol, R. D., Co., assignee: *See*—
Fageol, Robley D.
Leibing, William E., and Fageol.
- Fageol, Robley D.: *See*—
Leibing, William E., and Fageol.
- Fageol, Robley D., assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Engine attachment. 2,466,090, Apr. 5.
- Fageol, William B.: *See*—
Austin, Dwight E., and Fageol.
- Fagley, Gilbert H., Pittsfield, Mass., assignor to General Electric Company. Induction regulator. 2,479,330, Aug. 16.
- Fagner, Raymond L., Burnettsville, Ind. Door actuated reciprocating signal for mailboxes. 2,468,257, Apr. 26.
- Fahland, Frank, Omaha, Nebr. Crossbar support for vehicles. 2,476,362, July 19.
- Fahnoe, Harold H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,483,577, Oct. 4.
- Fahrenbach, Marvin J., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing nitriles. 2,459,128, Jan. 11.
- Fahringer, Harry J., and B. E. Olsen, assignors to S. Buchsbaum & Co., Chicago, Ill. Writing instrument. 2,468,258, Apr. 26.
- Fahrner, Joseph A., U. S. Navy. Bomb station distributor checker. 2,459,801, Jan. 25.
- Fahy, Francis L., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Making bourdon tube instruments. 2,477,242, July 26.
- Failing, George E., Supply Company, The, assignee: *See*—
Alexander, Emmett L., and Braithwaite.
- Fain, Freda L., Portland, Oreg. Hair curler. 2,463,606, Mar. 8.
- Fair, James F., New Kensington, Pa. Take-up clamp. 2,469,550, May 10.
- Fair, William F., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Bituminous mastic coated metal sheet. 2,472,100, June 7.
- Fairall, John M., Des Moines, Iowa. Radio direction finder. 2,489,276, Nov. 29.
- Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Automatic sampling device. 2,461,045, Feb. 8.
- Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Automatic sampling device. 2,477,513, July 26.
- Fairbank, Murry N.: *See*—
Brown, Clarence O., and Fairbank.
Land, Edwin H., Fairbank, and Grey.
- Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Self-developing magazine camera. 2,477,291, July 26.
- Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Self-developing camera. 2,491,719, Dec. 20.
- Fairbanks, Andrew J., Troy, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of Commerce. Stall warning indicator. 2,486,779, Nov. 1.
- Fairbanks, Morse & Co., assignee: *See*—
Bower, Clark D.
Budzien, Hugo F.
Endsley, Louis E., Schettler, and Lentell.
Grutzner, Fritz P.
Guldbrandsen, Guldbrand.
Justus, James E.
Lindfors, Onni.
- Fairchild, Alfred C.: *See*—
McLain, Joseph H., and Fairchild.
- Fairchild Camera and Instrument Corporation, assignee: *See*—
Arnold, George J.
Fairchild, Sherman M.
Gregory, Alfred T.
Moore, David W., Jr.
Pasini, Harold C., and Heckel.
Phair, Harry W.
Rattray, George.
Rattray, George, and Doyle.
Roters, Herbert C.
- Fairchild Engine and Airplane Corporation, assignee: *See*—
Cozzoli, Michael.
Hammer, Charles E.
Hoffacker, Theodore, Jr.
Whitfield, Marshall G.
- Fairchild, Sherman M., Huntington, N. Y., assignor to Fairchild Camera and Instrument Corporation. Fuel-air ratio control system. 2,482,254, Sept. 20.
- Fairchild, Theodore M., Johnstown, Pa., assignor to Bethlehem Steel Company. Bottom for metallurgical furnaces. 2,472,655, June 7.
- Fairchild, William R., Hattiesburg, Miss. Portable pile driver. 2,477,867, Aug. 2.
- Fairest, Derek H.: *See*—
Fairest, Morgan, and D. H.
- Fairest, Morgan and D. H., assignors to Morgan Fairest Limited, Sheffield, England. Work support for grinding machines and the like. 2,481,918, Sept. 13.
- Fairest, Morgan, Limited, assignee: *See*—
Fairest, Morgan and D. H.
- Fairey Aviation Company Limited, The, assignee: *See*—
Churn, Charles R.
Forsyth, Archibald G.
Hilton, Louis M., and Chaplin.
- Fairfield, Walter B., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article processing apparatus. 2,464,839, Mar. 22.
- Fairfield, Walter B., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article supporting fixture. 2,467,081, Apr. 12.
- Fairhope Fabrics, Inc., assignee: *See*—
Little, John R., Jr., and Gross.
- Fairhurst, Leonard G., assignor to Rotol Limited, Gloucester, England. Screw propeller. 2,486,016, Oct. 25.
- Fairlamb, Preston B.: *See*—
Abbott, Henry H., Bascom, and Fairlamb.
- Fairley, Frank: *See*—
Hodgson, Kenneth G., and Fairley.
- Fairley, Richard K.: *See*—
Falk, Charles J., Fairley, and Short.
Forsyth, Archibald G.
- Fairmont Railway Motors, Incorporated, assignee: *See*—
Meskimen, Leslie C.
- Faith, Herman E.: *See*—
Winnek, Philip S., and Faith.
- Falconbridge Nickel Mines Limited, assignee: *See*—
Cavers, Thomas W., Franklin, Mott, and Taylor.
- Falconbridge Nickel Mines, Ltd., assignee: *See*—
Gronningsaeter, Anton M.
- Falge, Raymond L., Bethesda, Md. Electric flashlight. 2,483,819, Oct. 4.
- Falge, Raymond L., Bethesda, Md. Flashlight. 2,483,820, Oct. 4.
- Falk, Charles J., R. K. Fairley, and T. T. Short, Schenectady, N. Y., assignors to General Electric Company. Magnetic wire footage meter. 2,488,277, Nov. 15.
- Falk & Company, assignee: *See*—
Church, John W.
- Falk Corporation, The, assignee: *See*—
Rae, Walter S., Jr.
Schmitter, Carl, and Kies.
- Falk, George L., Brockton, Mass. Electric switch. 2,466,402, Apr. 5.
- Falk, John E. R., Waverton, near Sydney, New South Wales, Australia, assignor to Sterling Drug Inc., Wilmington, Del. 1-methyl-5-aminoacridine and preparing it. 2,488,904, Nov. 22.
- Falk, Sven G., assignor to Svenska Aktiebolaget Phillips, Stockholm, Sweden. Record changing device. 2,476,715, July 19.
- Falkner, Myron V., Arlington, Wash. Axially shifting type tire stripper. 2,464,638, Mar. 15.
- Fall, Albert P., Toledo, Ohio. Alighting gear. 2,473,470, June 14.
- Fall, Wilfrid, Haverford Township, Delaware County, assignor to The Budd Company, Philadelphia, Pa. Railway passenger car. 2,484,786, Oct. 11.
- Fallek, Irving, San Francisco, Calif. Making scraggy rugs. 2,466,016, Apr. 5.
- Fallek, Joseph, Chicago, Ill. Telephone support. 2,488,181, Nov. 15.
- Fallone, Daniel, Astoria, N. Y. Curtain support. 2,461,417, Feb. 8.
- Falls, Eugene K.: *See*—
Corcoran, James L., Falls, and Ibold.
- Falls Spring & Wire Company, assignee: *See*—
Heuer, Lawrence H.
- Falter, Clarence L.: *See*—
Webster, Hugh G., and Falter.
- Famco, Inc., assignee: *See*—
Finch, Harold L.
- Famous Furnace Co., The, assignee: *See*—
Penberg, Morris.
- Famulener, Keith, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Manufacture of photographic film base. 2,476,240, July 12.
- Fane, Gerard W. R., West Molesey, assignor to Courtaulds Limited, London, England. Double-twist spindles for spinning, winding, and like textile operations. 2,467,258, Apr. 12.
- Fankl, Mathias, Vienna, Austria, assignor to K. Bernhardt, London, England. Pocket lighter. 2,490,121, Dec. 6.
- Fann, Isham H., Washington, D. C. Tool post for lathes. 2,459,421, Jan. 18.
- Fansteel Metallurgical Corporation, assignee: *See*—
Balke, Clarence W.
Olson, Carl T., and Hoffmann.
- Fanta, Frank A., Jr., Berwyn, assignor to Stewart-Warner Corporation, Chicago, Ill. Voltage controlled proportional positioning apparatus. 2,486,935, Nov. 1.
- Fanto, Emil C.: *See*—
Omohundro, Allen L., Fanto, and Reich.
- Fantz, Fred C., Lima, Ohio, assignor to Midwest Piping & Supply Company, Inc., St. Louis, Mo. Handwheel. 2,459,271, Jan. 18.
- Faragher, Warren F., Swarthmore, Pa., and J. W. Harrison, Woodbury, N. J., assignors to Houdry Process Corporation, Wilmington, Del. Production of synthetic elastomers. 2,465,363, Mar. 29.
- Faralla, Raoul A., Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Flexible acoustic tube. 2,489,277, Nov. 29.

- Farber, Clayton W.: *See*—
Copoland, Lewis C., and Farber.
- Farber, Eduard: *See*—
Wallerstein, James S., Farber, and Alba.
- Farber, Eduard, Washington, D. C. Rectification and stabilization of furfuryl alcohol. 2,486,738, Nov. 1.
- Farber, Milton S., Brooklyn, N. Y. Extensible stock and magazine loading tool for firearms. 2,466,017, Apr. 5.
- Farber, S. W., Inc., assignee: *See*—
Foster, Hoyt K.
- Fardon, George E.: *See*—
Griffiths, Leonard, and Fardon.
- Farenhorst, Evert: *See*—
Werner, Ernest G. G., and Farenhorst.
- Farhall, Inc., assignee: *See*—
Farrell, Joseph E.
- Farries Manufacturing Company, assignee: *See*—
Laystrom, Carl A., and Sigler.
- Farris, Harold P., Sellersville, assignor to Prodesco Incorporated, Philadelphia, Pa. Making pile yarns and fabrics. 2,475,019, July 5.
- Farris, Wood, Lorain, Ohio. Ingot car and dumper. 2,467,970, Apr. 19.
- Farkas, Adalbert, and A. F. Stribley, Jr., Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Diesel engine fuel. 2,472,152, June 7.
- Farkas, Adalbert, and A. F. Stribley, Jr., Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Recovery of naphthene hydrocarbons. 2,475,828, July 12.
- Farkas, Emil N., Chicago, Ill. Display device. 2,461,536, Feb. 15.
- Farkas, George B., Jackson Heights, assignor to American Locomotive Company, New York, N. Y. Torque-reducing wrench. 2,492,470, Dec. 27.
- Farkas, George B., Jackson Heights, and Addison Y. Gunter, Larchmont, assignors to American Locomotive Company, New York, N. Y. Combustion chamber. 2,458,066, Jan. 4.
- Farkas, George B., Jackson Heights and A. Y. Gunter, Larchmont, assignor to American Locomotive Company, New York, N. Y. Reheater. 2,476,031, July 12.
- Farkas, Ladislav V., Jerusalem, Palestine, and M. M. Szwarc, Prestwich, Manchester, England, assignors of one-half to Ellis-Foster Company, Montclair, N. J. Acid resisting cement and making. 2,492,790, Dec. 27.
- Farkas, Pierre, Paris, France. Two-stroke internal-combustion engine. 2,477,173, July 26.
- Farkas, Walter G., Palisades Park, and L. A. Flexser, Elizabeth, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparing isoaloxazines. 2,472,007, May 31.
- Farlatti, Bernardino A.: *See*—
Dawson, John J., and Farlatti.
- Farley, Howard, East Orange, N. J. Compensatory electrical control circuit. 2,478,257, Aug. 9.
- Farley, Kathryn, Chicago, Ill. Expandable core for use in molding hollow concrete walls. 2,472,068, June 7.
- Farley & Loetscher Manufacturing Company, assignee: *See*—
Triller, Benjamin J.
- Farley, Louis C., Wethersfield, Conn. Traction device for vehicle wheels. 2,491,366, Dec. 13.
- Farley, Otley, Murray, Ky. Corn planter shovel attachment. 2,459,634, Jan. 18.
- Farlow, Mark W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vapor phase isomerization of 1,4-dicyano-2-butene to 1,4-dicyano-1-butene. 2,478,258, Aug. 9.
- Farmer, Doris, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Smoker's lighter. 2,474,973, July 5.
- Farmer, Doris, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Pocket lighter with removable mechanical unit. 2,492,471, Dec. 27.
- Farmer, Earl W., Deephaven, Minn. Toy gear. 2,468,966, May 3.
- Farmer, Roy E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Tractor transmission control. 2,488,469, Nov. 15.
- Farmingdale Corporation, The, assignee: *See*—
Ericson, Albert A.
- Farner, Newell K., Austin, Tex. Ring expander. 2,477,446, July 26.
- Farnham, Alford G.: *See*—
Bender, Howard L., and Farnham.
- Bender, Howard L., Farnham, and Guyer.
- Farnham, Frank C., Baltimore, Md. Elastic suspension and resilient mounting means for magnetic systems. 2,487,047, Nov. 8.
- Farnham, Sherman B., and R. Sheppard, Schenectady, N. Y., assignors to General Electric Company. Turbine-generator load control system. 2,485,374, Oct. 18.
- Farnsworth, Margaret, Oakland, Calif. Hairpin holder. 2,481,209, Sept. 6.
- Farnsworth, Neil B., Hempstead, N. Y., assignor to The Sperry Corporation. Automatic gain-control system. 2,480,842, Sept. 6.
- Farnsworth Research Corporation, assignee: *See*—
Brown, William T.
- Buckbee, John A.
- Cawein, Madison.
- Eckhardt, Walter L., and Cawein.
- Farnsworth Research Corporation, assignee: *See*—Continued.
- Essig, Sanford F.
- Ferguson, Joseph C., and Mayle.
- Hallmark, Clyde E.
- Halstead, William S.
- Harris, Albert S.
- Harris, Samuel J.
- Johnson, Lambert L.
- Kibler, Paul J.
- Kinsell, William L.
- Larson, Christian C.
- Mayle, Louis F.
- Olson, Alton L.
- Salinger, Hans W. G.
- Salinger, Hans W. G., and Beach.
- Schantz, Joseph D.
- Selgin, Paul J.
- Snell, Philip A.
- Farr, Edward A., and J. P. Theisen, assignors to Noblitt Sparks Industries, Inc., Columbus, Ind. Electric grill. 2,478,529, Aug. 9.
- Farr, Ivor A., Stafford, England. Perpetual calendar. 2,470,692, May 17.
- Farr, Warren H., Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa. Plowshare. 2,471,388, May 24.
- Farr, Warren H., Grosse Pointe Farms, and C. L. Eksergian, and C. E. Dupont, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Belt conveyor. 2,477,790, Aug. 2.
- Farra, Howard L., Plainfield, N. J. Reflector attachment for broiler doors. 2,488,182, Nov. 15.
- Farrar, Alvin J., assignor to The American Coach & Body Company, Cleveland, Ohio. Level winding device. 2,458,065, Jan. 4.
- Farrar, John F. P., Maywood, and C. R. Ekholm, Chicago, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Method and apparatus for attaching hose fittings by heading the fittings inwardly. 2,486,830, Nov. 1.
- Farrell-Birmingham Company, Inc., assignee: *See*—
Schuck, Carl F.
- Farrel-Birmingham Company, Incorporated, assignee: *See*—
Erler, Johannes, and Gasser.
- Farrell, Eugene F.: *See*—
Neumann, George R., and Farrell.
- Farrell, Frederick L.: *See*—
Farrell, Sydney T. and F. L.
- Farrell, Joseph E., assignor to Farhall, Inc., Toms River, N. J. Gasifying fuel burner. 2,460,451, Feb. 1.
- Farrell, Robert A., and C. L. Wagner, Menasha, assignors to Marathon Paper Mills Company, Rothschild, Wis. Heat-sealable sheet material. 2,474,619, June 28.
- Farrell, Sydney T. and F. L., Belmont, Mass. Gearing. 2,466,218, Apr. 5.
- Farrell, Sydney T. and F. L., Belmont, Mass. Gun mount. 2,466,219, Apr. 5.
- Farrell, Sydney T., and F. L. Farrell, Belmont, Mass. Belt driving mechanism. 2,469,296, May 3.
- Farrell, Sydney T., and F. L. Farrell, Belmont, Mass. Pulley. 2,469,297, May 3.
- Farrell, Sydney T., and F. L. Farrell, Belmont, Mass. Machine gun mount. 2,469,333, May 3.
- Farrell, Valdemar C., West Englewood, N. J. Sea anchor. 2,466,692, Apr. 12.
- Farrell, Walter O., Indianapolis, Ind., assignor to Rainfair, Inc., Racine, Wis. Apparatus for hooding or capping bottles. 2,485,373, Oct. 18.
- Farrell, Walter O., assignor to Rainfair, Inc., Racine, Wis. Capping bottles. 2,485,372, Oct. 18.
- Farrington, Bruce B., J. O. Clayton, and J. T. Rutherford, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Metal organo-phosphates. 2,488,662, Nov. 22.
- Farrington, Charlotte M., Flint, Mich. Combined shaft key and key extractor. 2,459,221, Jan. 18.
- Farrington Manufacturing Company, assignee: *See*—
Vogt, Lucien E.
- Farris, Clarence E., Fort Monroe, Va. Fluorescent lamp. 2,459,633, Jan. 18.
- Farris, Edmond J., Bristol, Pa. Game device. 2,473,680, June 21.
- Farris, Herman K., and W. Renshaw, Eldorado, Ill. Concrete brick press. 2,471,731, May 31.
- Farrow, Cecil, Bainbridge Township, Geauga County, assignor to Republic Steel Corporation, Cleveland, Ohio. Method and apparatus for demagnetizing tubing. 2,460,684, Feb. 1.
- Farrow, Frederick R., Jr., Audubon, N. J., assignor to Philco Corporation, Philadelphia, Pa. Mounting means for vacuum tubes. 2,462,622, Feb. 22.
- Farson, Ernest, Xenia, Ohio. Foot flush. 2,467,019, Apr. 12.
- Fash, Ralph H., assignee, trustee: *See*—
Fash, Ralph H., and Campbell.
- Fash, Ralph H., Fort Worth, assignor to Anderson, Clayton & Co., Houston, Tex. Mist mixing. 2,489,176, Nov. 22.
- Fash, Ralph H., Fort Worth, and J. G. Campbell, Houston, assignors to R. H. Fash, trustee, Fort Worth, Tex. Petroleum exploration by soil analysis. 2,459,512, Jan. 18.
- Fashing, Charles J., Lorain, Ohio. Small game suspending device. 2,483,631, Oct. 4.

- Fasold, George A.: *See*—
Greider, Harold W., and Fasold.
- Fass, Jacob I.: *See*—
Pickel, Frank D., and Fass and Chodroff.
- Fass, Morris, Bronx, assignor of one-half to M. Fass, West Forest Hills, N. Y. Convertible handbag-shopping bag. 2,479,824, Aug. 23.
- Fass, Morton, assignee: *See*—
Fass, Morris.
- Fassel, Josef: *See*—
Pollak, Frederick F., and Fassel.
- Fassett, Thomas W., Hayes, assignor to Alltoys Limited, Brentford, Middlesex, England. Wheeled vehicle for children. 2,484,939, Oct. 18.
- Fassin, Gustave, Los Gatos, assignor, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif. Optical slit. 2,485,089, Oct. 18.
- Fate, Harold L., assignor to Noble Company, Oakland, Calif. Weighing apparatus. 2,467,300, Apr. 12.
- Fath, Douglas W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Colling machine controller. 2,474,620, June 28.
- Fatzinger, Erastus A.: *See*—
Reimert, Lawrence J., and Fatzinger.
- Faudree, John D., South Bend, assignor of one-half to R. L. Kuns, New Carlisle, Ind. Work holder for tool grinders. 2,460,078, Jan. 25.
- Faulhaber, Frank J., New York, N. Y. Grille shield for automobiles. 2,489,020, Nov. 22.
- Faulhaber, Roland W., Monroeville, Ohio, assignor, by mesne assignments, to C. W. Norton, Jr., Chicago, Ill. Baby bath. 2,468,742, May 3.
- Faulk, Donald P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic timing system. 2,460,816, Feb. 8.
- Faulk, Donald P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical circuits. 2,473,640, June 21.
- Faulkenbury, Nellie M.: *See*—
Faulkenbury, Owen A. and N. M.
- Faulkenbury, Owen A. and N. M., Independence, Kans. Electric signaling mailbox. 2,463,957, Mar. 8.
- Faulkner, Donald: *See*—
Staudinger, Hanns P., and Faulkner.
Staudinger, Hanns P., Faulkner, and Cooke.
- Faulkner, Harold C.: *See*—
Smith, Darwin G., and Faulkner.
- Faulwetter, Roy C., Milwaukee, Wis. Making water-imperious concrete. 2,491,487, Dec. 20.
- Faulwetter, Roy C., Milwaukee, Wis. Precast screed strip. 2,491,488, Dec. 20.
- Faure, Bernard, Neuilly-sur-Seine, France. Joining and registering device for molding boxes. 2,462,373, Feb. 22.
- Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Constant current regulator using a permanent magnet as a standard. 2,491,805, Dec. 13.
- Faus, Harold T., Lynn, and L. F. Perotte, Arlington, Mass., assignors to General Electric Company. Thermomagnetic galvanometer. 2,478,625, Aug. 9.
- Faus, James, assignee: *See*—
Nye, William B.
- Fausek, Arthur J. and I. F., Clayton, Mo. Heat exchanger. 2,471,317, May 24.
- Fausek, Arthur J. and I. F., Clayton, Mo. Separating the constituents of gaseous mixtures. 2,492,932, Dec. 27.
- Fausek, Irving F.: *See*—
Fausek, Arthur J. and I. F.
- Faust, Howard C., assignee: *See*—
Fozun, John L., and Houghton.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Shock responsive mechanism. 2,467,200, Apr. 12.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,471,815, May 31.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 2,479,331, Aug. 16.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Manual reset sequential trip switch mechanism. 2,487,534, Nov. 8.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Trip-free electric circuit breaker. 2,489,085, Nov. 22.
- Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Thermal-magnetic circuit breaker. 2,490,514, Dec. 6.
- Favre, Marcel G., Wettingen, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Heating device for hot cathode tubes. 2,474,575, June 28.
- Fawcett, Cecil C., H. Markus, and G. E. Hirt, Philadelphia, Pa. Steel cartridge case manufacture. 2,462,851, Mar. 1.
- Fawcett, Eric W. M., E. S. Narracott, and K. J. Rowland, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Vinyl polymers plasticized with air-blown extracts of mineral oil fractions. 2,471,266, May 24.
- Fawcett, Eric W. M., E. S. Narracott, and A. Millen, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Vinyl polymers plasticized with sulfur treated extracts of mineral oil fractions. 2,471,267, May 24.
- Fawcett, Frank S.: *See*—
Schlesman, Carleton H., and Fawcett.
- Fawcett, Harold W., Harrogate, England. Centrifugal separator. 2,469,956, May 10.
- Fawcett, Jack S., Tarentum, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Sulfurization of fatty oils. 2,492,562, Dec. 27.
- Fawick Airflex Company, Inc., The, assignee: *See*—
Walsh, Joseph S.
- Fawick Flexi-Grip Co., assignee: *See*—
Fawick, Thomas L.
- Fawick, Thomas L., Akron, Ohio. Flexible coupling. 2,460,628, Feb. 1.
- Fawick, Thomas L., Akron, Ohio. Flexible coupling. 2,460,630, Feb. 1.
- Fawick, Thomas L., Akron, Ohio. Making cushioned gears or the like. 2,483,267, Sept. 27.
- Fawick, Thomas L., Akron, Ohio. Cushioned planetary gearing. 2,460,629, Feb. 1.
- Fawick, Thomas L., Akron, Ohio. Multicushioned gear. 2,477,447, July 26.
- Fawick, Thomas L., Akron, Ohio. Power take-off gearing. 2,486,269, Oct. 25.
- Fawick, Thomas L., Cleveland, Ohio. Shaft-fastening assembly. 2,460,631, Feb. 1.
- Fawick, Thomas L., assignor to Fawick Flexi-Grip Co., Cleveland, Ohio. Mute for musical instruments. 2,483,268, Sept. 27.
- Fawick, Thomas L., Cleveland, Ohio. Grease guard for antifriction bearings. 2,486,270, Oct. 25.
- Faykes, Charles G., Denver, Colo. Slide-type bingo board. 2,491,257, Dec. 13.
- Faximile, Inc., assignee: *See*—
Curtis, Richard C.
Ressler, Hugh C., and Long.
Smith, John W., and Hester.
Tribble, William E.
- Fay, Charles H., and T. J. Tvedt, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Automatic volume control for seismograph systems. 2,489,126, Nov. 22.
- Fay, Harry W., Tuckahoe, N. Y. Laundry conditioning tumbler. 2,463,683, Mar. 8.
- Fay, Joseph W., and R. Fay, Villa Park, Ill.; said R. Fay assignor to said J. W. Fay. Closure device. 2,458,360, Jan. 4.
- Fay, Robert E., Jr., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and sheets coated therewith. 2,459,874, Jan. 25.
- Fay, Rudolph: *See*—
Fay, Joseph W., and Fay.
- Faybert, Herbert, Chicago, Ill. Protecting device for the heels of shoes. 2,489,368, Nov. 29.
- Faye, Louis, Paris, France. Reinforced concrete chimney. 2,463,607, Mar. 8.
- Fazekas, Oscar M., Ann Arbor, Mich., assignor to Universag Technische A. G., Glarus, Switzerland. Dispenser for liquids. 2,464,222, Mar. 15.
- Feagin, Roy C., Flushing, assignor to Austenal Laboratories, Incorporated, New York, N. Y. Casting mold. 2,491,096, Dec. 13.
- Feagin, Roy C., Flushing, assignor to Austenal Laboratories, Incorporated, New York, N. Y. Making synthetic resin articles such as teeth. 2,491,097, Dec. 13.
- Fearn Laboratories, Inc., assignee: *See*—
Gorcica, Henry J., and Novak.
- Fearn, Paul E., Mobile, Ala. Ship's anchor. 2,490,423, Dec. 6.
- Fearn, Richard L.: *See*—
Morris, Nathan, and Fearn.
- Fearnough, Harry T., Los Angeles, Calif. Trailer hitch. 2,475,780, July 12.
- Fearon, Robert E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Radioactivity measurement. 2,469,460, May 10.
- Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for detecting radiations. 2,472,153, June 7.
- Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Multigrad ionization chamber. 2,480,808, Aug. 30.
- Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for measuring harness and intensity of penetrating radiation. 2,484,493, Oct. 11.
- Feasley, Charles F., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Homopolymerization of benzyl compounds. 2,486,831, Nov. 1.
- Feaster, Allen F., Boulder, Colo. Tool post and tool for lathes. 2,460,342, Feb. 1.
- Feather, Donovan C., assignor of one-third to J. B. Pfouts, Portland, Oreg. Scissors joint and blade tension means. 2,469,373, May 10.
- Feazel, Charles E.: *See*—
Stedman, Thomas R., and Feazel.
- Feder, Harold E., Union, N. J. Lawn mower sharpener. 2,484,699, Oct. 11.
- Federal Cartridge Corporation, assignee: *See*—
Hoffman, Harry W., and Helmer.
King, William N.
Reed, Cortes F.
Standal, Melvin J.

- Federal Electric Products Company, assignee: *See*—
Cole, Thomas M., and Lantz, Jr.
Nowak, Edward F.
- Federal Electric Products Company, Inc., assignee: *See*—
Humpage, Harold A.
- Federal Enterprises, Inc., assignee: *See*—
Goehst, John H.
- Federal Machine & Welder Company, assignee: *See*—
Martin, George B.
O'Neill, Louis R.
- Federal Machine and Welder Company, The, assignee: *See*—
Forssmark, Boo H., and Headley.
Martin, George B., and Berger.
- Federal Manufacturing & Engineering Corp., assignee: *See*—
Kaplowitz, Morris.
- Federal-Mogul Corporation, assignee: *See*—
Ferguson, Alfred L.
Le Brasse, Gordon J., and Francis.
- Federal Power Commission, United States of America as represented by the Chairman of the, assignee: *See*—
Thomas, Percy H.
- Federal Products Corporation, assignee: *See*—
Graves, John H.
Worthen, Walter H.
- Federal Telecommunication Laboratories, Inc., assignee: *See*—
Arditi, Maurice, Franzel, and Feinstein.
Burroughs, Gordon S.
Cole, Eugene.
Deloraine, Edmond M., and Ransom.
Dodington, Sven H. M.
Grieg, Donald D.
Grieg, Donald D., Levine, and Moskowitz.
Hollabaugh, Max G.
Labin, Emile, and Grieg.
Mandel, Mark.
Ransom, David H.
- Federal Telecommunication Labs, Inc., assignee: *See*—
Cole, Eugene.
Ransom, David H.
- Federal Telephone and Radio Corporation, assignee: *See*—
Adams, Paul R., and Ransom.
Bloom, Mortimer C.
Bonner, Walter F.
Browning, Samuel D.
Budig, Josef.
Burroughs, Gordon S.
Busignies, Henri G.
Busignies, Henri G., and De Rosa.
Chesus, Frank O., Thomas, and Bednash.
Chevigny, Paul G.
Chevigny, Paul G., and Wheeler.
Clark, Trevor H.
Deiss, Emil W., and Harris.
Deloraine, Edmond M.
Deloraine, Edmond M., and Grieg.
Denyssen, Ivanhoe P., and Riecken.
Dettman, Maxwell C.
Deutsch, Robert W.
Dishal, Milton, and Le Grand.
Dodington, Sven H. M.
Eaton, Stanley B.
Escoffery, Charles A.
Ferrar, Robert C.
Frankel, Sidney.
Frink, Frederick W.
Frum, Alexander.
Garrison, Kenton K.
Glauber, John J.
Grieg, Donald D.
Griffiths, Thomas W.
Hampshire, Robert A.
Himmel, Leon.
Hoffman, Ross B.
Horwitz, Henry L.
Hotine, William.
Kandoian, Armig G.
Labin, Emil.
Labin, Emile, and Grieg.
Labin, Emile, Grieg, and Levine.
Lane, William C., Jr.
Lapham, Edmund F., Jr.
Leef, George B.
Lehmann, Gerard J.
Leibe, Frank A., and Mahler.
Lewthwaite, Raymond B., and Straub.
Libby, Lester L.
Litton, Charles V.
Lundburg, Frank J.
Maddock, Bruce H.
Mahren, Arthur A.
Marchand, Nathan.
Miller, Herman P., Jr.
Mueller, Otto J., and Babcock.
Muller, Fred A.
Ransom, David H.
Richardson, Avery G., and Chesus.
Riecken, William E.
Robinson, George F.
Romander, Hugo.
Royden, George T.
Sarratt, Everett R.
- Federal Telephone and Radio Corporation, assignee: *See*—
Continued.
Sauerborn, Eugene P.
Segerstrom, Carl A., Jr.
Skinker, Murray F.
Soreny, Ernest V.
Spindler, Joseph C.
Stateman, Murray J.
Taylor, Warren G.
Watts, Chester B., Jr.
Weston, Simeon.
- Federal Works Agency, The United States of America as represented by the Administrator, assignee: *See*—
Arditi, Maurice, and Feinstein.
Arditi, Maurice, Franzel, and Feinstein.
Baldwin, Alan, and Steeds.
Betzler, Henry W.
Bonner, Walter F.
Brown, Gilbert G., and Eannarino.
Burroughs, Gordon S.
Busignies, Henri G.
Chesus, Frank O., and Thomas.
Clark, Gilbert R.
Clark, Trevor H.
Deloraine, Edmond M., and Adams.
De Rosa, Louis A.
Dodington, Sven H. M.
Dubin, Lester, and Pataki.
Eannarino, George.
Feriar, Robert C., and Menhennett.
Finzer, Carl.
Frankel, Sidney.
From, Owen C.
Frum, Alexander.
Garber, Nathan.
Glauber, John J.
Grieg, Donald D.
Grieg, Donald D., Levine, and Dubin.
Halvorsen, Drew.
Heigh, Leslie B.
Howe, Albert E.
Kandoian, Armig G.
Karmin, Irving.
Labin, Emile.
Labin, Emile, and Grieg.
Lanxner, Joel M.
Lomholt, Carl.
Lundberg, Frank J.
Marchand, Nathan.
Marchand, Nathan, and Chesus.
Martinez, Clement.
Master, Warren S.
Moore, Edward B.
Muller, Conrad R.
Newitt, John H.
Nordlin, Henry G.
Ostlund, Evert M.
Ostlund, Evert M., and Sokoloff.
Parker, Louis W.
Pickles, Sidney B.
Pickles, Sidney B., and Casabona.
Potts, Allen H.
Poylo, Michel C.
Reade, Ralph B., and Grieg.
Richardson, Avery G.
Richardson, Avery G., and Everhart.
Romander, Hugo.
Royden, George T.
Schaeffer, Martin J.
Silver, Martin.
Stateman, Murray J.
Talley, David.
Taylor, Irving R., and Larssen.
Taylor, Warren G.
Van Sant, Victor H.
Vitrogan, David.
Young, Norman H., Jr.
- Federico, Joseph, Newark, N. J. Toothbrush sterilizer. 2,474,621, June 28.
- Fedotoff, Nicholas V., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Master-slave system. 2,474,576, June 28.
- Feed Products Laboratories, Inc., assignee: *See*—
Pulley, George N.
- Feeley, John T., and W. P. Goodenough, Palo Alto, Calif. Self-cleaning grid tamper for concrete. 2,474,937, July 5.
- Feenberg, Eugene, New York, N. Y., assignor to The Sperry Corporation. Velocity modulation device and method. 2,486,398, Nov. 1.
- Feenberg, Eugene, St. Louis, Mo. Resistance element for coaxial transmission lines. 2,471,732, May 31.
- Feeney, Thomas A., assignee: *See*—
Adams, Ralph D.
- Feerick, Frank P., Rochester, N. Y. Rack. 2,491,652, Dec. 20.
- Fehling, Hans R.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Felbel, Adolph H., Cincinnati, Ohio, assignor to The Kelley-Koett Manufacturing Co., Covington, Ky. Lifting device. 2,483,894, Oct. 4.

- Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Spark plug construction. 2,478,259, Aug. 9.
- Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Making fired vitreous product. 2,482,580, Sept. 20.
- Feichtmeir, Ervin G., Chicago, Ill. Infant's bath. 2,487,228, Nov. 8.
- Feigen, Joseph, Brooklyn, N. Y. Closure means for handbags. 2,481,735, Sept. 13.
- Feigenbaum, Frederick E., New York, N. Y. Bias shaped foundation garment. 2,466,540, Apr. 5.
- Feikin, Bernard B., assignee: See—
Liebau, Frederick M.
- Feilbach, Harvey O., U. S. Navy. Automatically self-releasing aircraft landing hook. 2,486,397, Nov. 1.
- Feld, Alexander L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Electrolytic polishing of stainless steel. Re. 23,068, Jan. 4.
- Feld, Alexander L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Electrolytic polishing of stainless steel. Re. 23,069, Jan. 4.
- Feld, Alexander L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Alloy process. 2,466,091, Apr. 5.
- Feld, Alexander S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Floating roof storage tank. 2,461,537, Feb. 15.
- Feld, Bert D.: See—
Tittlett, Stanley H.
- Fein, Edgar M., Wellington, assignor to Cardwell Manufacturing Company, Inc., Wichita, Kans. Flame hardening head. 2,487,430, Nov. 8.
- Fein, Martin L., Riverside, N. J., and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Purifying acrylic esters. 2,463,608, Mar. 8.
- Fein, Maxwell J., New York, N. Y. Luminous time lapse traffic signal. 2,480,290, Aug. 30.
- Feinberg, Archie S., Dallas, Tex. Water control valve and system for evaporative coolers. 2,486,138, Oct. 25.
- Feinberg, Charles E., Detroit, Mich. Secondary combustion air distribution control for bridge wall furnaces. 2,471,101, May 24.
- Feinbloom, William, New York, N. Y. Plastic contact lens forming pliers. 2,477,689, Aug. 2.
- Feiner, Herbert L., New York, N. Y. Comb and liquid container combined. 2,465,014, Mar. 22.
- Feinstein, Joseph: See—
Arditi, Maurice, and Feinstein.
Arditi, Maurice, Franzel, and Feinstein.
- Feitl, Rudolf: See—
Heimann, Heinrich, and Feitl.
- Feitl, Rudolf, Brooklyn, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Retaining ring. 2,491,306, Dec. 13.
- Felburg, Robert A., Newark, N. J. Rheostat with centrifugal operator. 2,470,768, May 24.
- Felch, Edwin P., Jr., Chatham, N. J., and T. Slonczewski, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic field strength indicator. 2,468,968, May 3.
- Felch, Edwin P., Jr., Chatham, N. J., F. G. Merrill, Yonkers, and T. Slonczewski, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Defection system. 2,488,389, Nov. 15.
- Felder, Harry A., De Kalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano key mounting. 2,478,474, Aug. 9.
- Felder, Joseph, Oakland, Calif. Device for enlarging or reducing outlines of an image in color printing. 2,463,093, Mar. 1.
- Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for stopping motor-driven machines. 2,489,876, Nov. 29.
- Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor driven apparatus. 2,490,458, Dec. 6.
- Feldman, Carl B. H., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive microwave antenna. 2,482,162, Sept. 20.
- Feldman, Carl B. H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave modulator. 2,458,579, Jan. 11.
- Feldman, Carl B. H., Rumson, N. J. and J. W. McRae, Alexandria, Va., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Doppler effect speed and drift indicating system. 2,476,032, July 12.
- Feldman, Dave, assignor of one-half to M. Sommers, New York, N. Y. Alarm bell. 2,486,139, Oct. 25.
- Feldman, Henry R.: See—
Schwartz, Frederick, Lewis and Feldman.
- Feldman, Louis, New York, N. Y. Aquarium. 2,491,853, Dec. 20.
- Feldmann, Henry J., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock mechanism. 2,462,827, Feb. 22.
- Feldmann, Henry J., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compartment lock. 2,483,365, Sept. 27.
- Feldmann, Marvin H.: See—
Severin, Alyerd W., and Feldmann.
- Feldmeier, Frank, assignor to Blaw-Knox Company, Pittsburgh, Pa. Sheet stretching mechanism. 2,461,376, Feb. 8.
- Feldstein, Henry H., Cleveland, Ohio. Evaporator. 2,473,641, June 21.
- Feldt, Rudolf, New York, N. Y., and I. E. Lempert, Upper Montclair, assignors to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Cathode-ray tube. 2,483,457, Oct. 4.
- Feldworth, Leo, Santa Monica, Calif. Shoe tree for ladies' heelless shoes. 2,478,965, Aug. 16.
- Felici, Noël, Grenoble (Isere), assignor to Centre National De La Recherche Scientifique, Paris, France. Electrostatic generating and driving machine. 2,486,140, Oct. 25.
- Felin, Anton, and L. J. Matthews, Cleveland, Ohio, assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Collet with air cylinder operator. 2,463,165, Mar. 1.
- Felix, Friedrich, Basel, and E. Reich, Neue-Welt, near Basel, assignors to Ciba Limited, Basel, Switzerland. Dinitro monoazo compound. 2,475,228, July 5.
- Felix, Friedrich, and A. Heckendorn, Basel, and W. Widmer, Bottmingen, assignors to Ciba Limited, Basel, Switzerland. Single bath chrome dyeing process using esterified azo dyes. 2,478,185, Aug. 9.
- Felix, Friedrich, and A. Heckendorn, assignors to Ciba Limited, Basel, Switzerland. Azo dyestuffs. 2,480,006, Aug. 23.
- Fell, Raymond E.: See—
Miller, John W., and Fell.
- Fell, William F., and E. S. Smith, Hasbrouck Heights, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic control system for dynamoelectric machines. 2,474,732, June 28.
- Fell, William V.: See—
Vaughn, Bernard G., and Fell.
- Feller, Anton M., Elizabeth, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Resistor and making same. 2,470,153, May 17.
- Feller, Anton M., Rahway, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Magnetostrictive pressure indicator. 2,461,635, Feb. 15.
- Feller, Charles L., New York, N. Y. Pocket lighter. 2,476,087, July 12.
- Fellows Gear Shaper Company, The, assignee: See—
Bean, Arthur I.
Burnham, Clarence W.
Cobb, Neal L.
Norton, Wendell P., Jr.
Williamson, James L.
- Fellroth, Karl, Minneapolis, Minn. Box tool. 2,473,418, June 14.
- Felmore Company, Inc., assignee: See—
Morin, Edmund M.
- Felsher, Benjamin, New York, N. Y. Stand for high chairs. 2,465,439, Mar. 29.
- Felsher, Benjamin, New York, N. Y. Baby high chair. 2,473,991, June 21.
- Felsing, Urban S., Chosen, Fla. Lift attachment for tractor drawbars. 2,470,242, May 17.
- Felstiner, William, executor: See—
Broder, Harry.
- Felt & Tarrant Manufacturing Company, assignee: See—
Lalho, Jalmer M.
Niemann, Frederick A.
- Feltman, Samuel: See—
Studler, Rene R., Feltman, and Balleisen.
- Fenber, Morris, assignor to The Famous Furnace Co., Cleveland, Ohio. Backdraft diverter for combustion gas outlet flues. 2,486,780, Nov. 1.
- Fender, Robert A., assignor to American Machinery Corporation, Orlando, Fla. Field box. 2,483,269, Sept. 27.
- Fenimore, Charles P., Baltimore, and L. P. Kuhn and J. H. Frazer, Havre De Grace, Md. Manufacture of propellants. 2,484,023, Oct. 11.
- Fenn, Edward F.: See—
Day, George A., and Fenn.
- Fenn, James E., Baldwin, N. Y. Dusting powder and making same. 2,469,957, May 10.
- Fenn, John B.: See—
Eaton, John L., and Fenn.
- Fenn, John B., Riverview, and J. L. Eaton, Trenton, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Condensation of olefinic compounds with hydrogen sulfide. 2,481,583, Sept. 13.
- Fenn, Orrin E., assignor to Peters-Dalton Inc., Detroit, Mich. Gas washer. 2,459,635, Jan. 18.
- Fenn, Orrin E., assignor to Peters-Dalton, Inc., Detroit, Mich. Air washer. 2,470,345, May 17.
- Fenn, Willard H., Cambridge, R. N. Griesheimer, Belmont, Mass., and J. W. Keuffel, Essex Fells, N. J., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Compensated radio-frequency power measuring bridge. 2,463,480, Mar. 1.
- Fennema, Pieter H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency inductive coupling. 2,475,829, July 12.
- Fennema, Pieter H., and A. J. van den Hoogenhoff, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rectifier. 2,489,767, Nov. 29.

- Fennema, Richard, assignor to Crane Co., Chicago, Ill. Pressure seal joint. 2,464,744, Mar. 15.
- Fenney, William N., assignor to The Texas Company, New York, N. Y. Alkylolation method and apparatus. 2,459,636, Jan. 18.
- Fenske, Ellsworth R., Lyons, assignor to Universal Oil Products Company, Chicago, Ill. Electrical computer. 2,453,697, Jan. 11.
- Fenske, Otto E., Jr., Spokie, Ill. Combined carrying case and table. 2,473,022, June 14.
- Fenster, Gussie, assignee: *See*—
Parnell Walter H., and Grabarsky.
- Fenton, Paul E., Middlebury, and O. J. Huelster, assignors to Scovill Manufacturing Company, Waterbury, Conn. Reinforced socket for snap fasteners. 2,470,740, May 17.
- Fenton, Walter M., assignor to Metalloy Corporation, Minneapolis, Minn. Porcelain enamel compositions containing lithium manganite and/or lithium cobaltite. 2,437,119, Nov. 8.
- Fentress, David W.: *See*—
Keller, Sidney, and Fentress.
- Fentress, David W., Barrington, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Method and apparatus for making bellows. 2,481,096, Sept. 6.
- Ferche, Joseph, Chicago, Ill. Rail fastener. 2,474,352, June 28.
- Ferdon, Jacob F.: *See*—
Lyons, Frank H., and Ferdon.
- Fereday, Frederick T., Louisville, Ky., assignor to The Union Switch and Signal Company, Swissvale, Pa. Code detecting means. 2,465,794, Mar. 29.
- Ferguson, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Corn harvester husking roll with resilient section. 2,469,687, May 10.
- Ferguson, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Side delivery rake. 2,476,183, July 12.
- Ferngani, Walter P., assignor to Post Machinery Company, Beverly, Mass. Shutter mechanism for photoelectric counters. 2,465,215, Mar. 22.
- Fergus, Daniel J.: *See*—
Bates, Herbert T., Fergus, and Craver.
- Fergus, Daniel J., assignor to The Cleveland Heater Company, Cleveland, Ohio. Combination outlet fitting and sacrificial anode. 2,486,936, Nov. 1.
- Ferguson, Alexander D., Michigan City, Ind., assignor to Joy Manufacturing Company. Control valve, vibration dampener, and expansion joint device for a compressor discharge line. 2,487,120, Nov. 8.
- Ferguson, Alfred L., Ann Arbor, assignor to Federal-Mogul Corporation, Detroit, Mich. Production of tin fluoroborate. 2,457,793, Jan. 4.
- Ferguson, Andrew W., Great Neck, N. Y., assignor to The Sperry Corporation. Coil binding machine. 2,486,832, Nov. 1.
- Ferguson, Archie R., Seattle, Wash. Collapsible metal crate. 2,466,220, Apr. 5.
- Ferguson, Bert C., deceased, by C. W. Ferguson, administrator, Oil City, Pa. Oil thief. 2,486,639, Nov. 1.
- Ferguson, Charles S., Troy, and C. E. Welsh, Schenectady, N. Y., assignors to General Electric Company. Making polysiloxane resins. 2,470,479, May 17.
- Ferguson, Charles W., administrator: *See*—
Ferguson Bert C., and C. W.
- Ferguson, Duncan H., Broken Bow, Nebr. Power-operated wrench. 2,478,486, July 19.
- Ferguson, Edgar A., Jr., Brooklyn, N. Y. Ephedrine-ethylene diamine complex. 2,481,406, Sept. 6.
- Ferguson, Edgar A., Jr., Brooklyn, N. Y. Digitalis therapy. 2,486,937, Nov. 1.
- Ferguson, Edgar A., Jr., Brooklyn, N. Y. Stabilized tincture of digitalis. 2,489,086, Nov. 22.
- Ferguson, Edgar A., Jr., Brooklyn, N. Y., assignor to Van Patten Pharmaceutical Company, Chicago, Ill. Brominated garlic carminative. 2,490,424, Dec. 6.
- Ferguson, Harry, Inc., assignee: *See*—
Bunting, Ernest V.
Figard, Reuel H.
- Ferguson, Harry R.: *See*—
Patrick, Joseph C., and Ferguson.
- Ferguson, Hiram P., Portland, Oreg. Headspace micrometer gauge. 2,483,089, Sept. 27.
- Ferguson, John H.: *See*—
Ximenez, Manuel R., Ferguson, and Bunce.
- Ferguson, John H., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Bonded fibrous shape and making same. 2,465,858, Mar. 29.
- Ferguson, John M., Stafford, assignor to The English Electric Company Limited, London, England. Electric circuits, comprising electric discharge devices. 2,487,923, Nov. 15.
- Ferguson, Joseph C., and A. T. Mayle, Jr., Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Modulating system. 2,470,023, May 10.
- Ferguson, Leslie L., East St. Louis, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separation of an emulsion of petroleum oil and aqueous solution containing added alkali metal salts of cresols. 2,462,810, Feb. 22.
- Ferguson Pailin Limited, assignee: *See*—
Grünwald, Friedrich, and Dakin.
- Ferguson, Ralph M., Dayton, Ohio. Gun test range. 2,459,156, Jan. 18.
- Ferguson, Robert O., Bristol, Tenn. Knee pad. 2,484,494, Oct. 11.
- Ferguson, Robert P., Cranford, N. J., assignor to Standard Oil Development Company. Preparation of carbon disulfide. 2,480,639, Aug. 30.
- Ferguson, William C., and P. Sussenbach, St. Louis, and F. L. Limn, University City, Mo., assignors to The Pressite Engineering Company, St. Louis, Mo. Packing assembly. 2,459,370, Jan. 18.
- Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,486, Oct. 18.
- Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,487, Oct. 18.
- Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,488, Oct. 18.
- Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,489, Oct. 18.
- Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,490, Oct. 18.
- Ferhat, Richard J., La Crosse, Wis. Gun choke device. 2,489,568, Nov. 29.
- Fernald, Herman H., Wichita, Kans. Garment hanger. 2,471,944, May 31.
- Fernald, Ralph A., Millinocket, Maine. Toy. 2,482,334, Sept. 20.
- Fernandez-Castro, Lizandro, San Francisco, Calif. Snap switch. 2,466,165, Apr. 5.
- Fernandez, John J., Baltimore, Md. Spark plug. 2,487,535, Nov. 8.
- Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Applications of high loss dielectrics to wave guide transmission systems. 2,465,719, Mar. 29.
- Fernstrum, Robert W., assignor to Gray Marine Motor Company, Detroit, Mich. Engine temperature control device. 2,457,991, Jan. 4.
- Fernstrum, Robert W., assignor to Gray Marine Motor Company, Detroit, Mich. Rotary pump with seizure preventing means. 2,467,524, Apr. 19.
- Fernstrum, Robert W., Detroit, assignor to Joy Products Company, Menominee, Mich. Helicopter kite. 2,472,290, June 7.
- Ferraez, Nicholas, Jr., St. Louis, Mo. Apparatus for collecting liquid sediments. 2,463,481, Mar. 1.
- Ferrante, Anthony, Greenfield, Mass. Electrical switch for incapacitated persons. 2,486,591, Nov. 1.
- Ferranti Limited, assignee: *See*—
Taylor, Maurice K., and Knowles.
- Ferrari, Bernard, Chicago, Ill. Resilient wheel. 2,465,640, Mar. 29.
- Ferrari, Robert C., New Providence, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Oscillograph system. 2,465,364, Mar. 29.
- Ferrari, Robert C., New Providence, and G. Menhennett, Red Bank, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Signaling system. 2,485,580, Oct. 25.
- Ferre, Albert W.: *See*—
Blanchard, Charles E., and Ferre.
- Ferree, Leon J., Coffeyville, Kans., assignor of one-half to M. J. Huxtable, Kansas City, Mo. Quick-acting lever actuated pipe vise. 2,460,079, Jan. 25.
- Ferreira, David C., North Oxford, Mass. Hydraulic variable-speed transmission. 2,464,494, Mar. 15.
- Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Airplane construction. 2,465,581, Mar. 29.
- Ferrel Industries, Inc., assignee: *See*—
Ferrel, Clyde B.
- Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Position control system. 2,464,566, Mar. 15.
- Ferrell, Milton F., and J. K. Moore, Flagstaff, Ariz. Sack holder. 2,472,410, June 7.
- Ferriday, Robert, Jr., assignor to Metal Industries, Inc., Indianapolis, Ind. Valved cap for picnic jugs or the like. 2,488,120, Nov. 15.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Craft indicating system. 2,463,529, Mar. 8.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Vibratory strand reference apparatus with longitudinal component drive. 2,466,018, Apr. 5.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Reference apparatus. 2,479,562, Aug. 23.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Stable reference apparatus. 2,479,563, Aug. 23.
- Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Radio navigation system. 2,484,819, Oct. 18.
- Ferrin, Lester T., Tonasket, Wash. Block molding machine. 2,460,220, Jan. 25.

- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Ironing machine control. 2,457,990, Jan. 4.
- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Washing machine having automatically operated siphons. 2,478,814, Aug. 9.
- Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,488,905, Nov. 22.
- Ferris Instrument Laboratories, assignee: *See*—
Montcalm, Surrius R.
Tubbs, Ernest A.
Tyzzer, Howard J.
- Ferris, Ralph E., Pittsburgh, and J. R. Shirley, Saltsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnet coil. 2,484,212, Oct. 11.
- Ferris, Robert G., Harvard, Ill., and J. D. Jordan, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Safety device for fuses. 2,480,563, Aug. 30.
- Ferris, Seymour W., Mount Holly, N. J., and E. R. Lamson, Hatboro, and D. M. Smith, Norwood, assignors to The Atlantic Refining Company, Philadelphia, Pa. Contacting fluids. 2,472,578, June 7.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Fluid transmitting device. 2,462,734, Feb. 22.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Making vane tracks. 2,467,121, Apr. 12.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Rotary pump and motor hydraulic transmission system. 2,477,974, Aug. 2.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,480,403, Aug. 30.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,484,337, Oct. 11.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Power transmission and support therefor. 2,490,515, Dec. 6.
- Ferris, Walter, Milwaukee, and J. K. Douglas, Shorewood, assignors to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,458,985, Jan. 11.
- Ferris, Warren D., Buffalo, N. Y. Door latch and lock. 2,488,119, Nov. 15.
- Ferro Enamel Corporation, assignee: *See*—
Bryant, Eugene E.
McIntyre, Glenn H., and Skinner.
Schaal, Robert B.
- Ferro Engineering Company, The, assignee: *See*—
Anthony, Benjamin F.
Charman, Walter M., and Anthony.
Garms, Levi J.
Sims, Clarence E., Case, and McCabe.
- Ferro, Thomas and M. M. Manov, Piedmont, assignors to Oakland Scavenger Co., Oakland, Calif. Traveling grate incinerator for city refuse and the like. 2,481,504, Sept. 13.
- Fersing, Leif, assignor to Jones & Lamson Machine Company, Springfield, Vt. Multiple turning head. 2,473,367, Jan. 14.
- Ferwerda, Ray, assignee: *See*—
Moss, Reginald.
- Ferwerda, Thomas, and B. Langworthy, U. S. Navy. Distributing valve. 2,477,590, Aug. 2.
- Fessenden, George R., assignor to Wyeth Incorporated, Philadelphia, Pa. Polyvinyl-alcohol-coated suppository. 2,477,292, July 26.
- Festge, Charles, Milwaukee, Wis. Safety device for electric plugs. 2,458,153, Jan. 4.
- Fetsko, John J., Jr., Neville Island, Pa. Gauge support. 2,469,874, May 10.
- Fetter, Norman C., Freeport, Ill. Cribbage scorekeeper. 2,482,663, Sept. 20.
- Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Conversion of hydrosulfides to neutral sulfur substances. 2,472,473, June 7.
- Fetterman, Oscar B., Washington, D. C. Spring clip for wire fences. 2,484,449, Oct. 11.
- Fetterolf, Luther D.: *See*—
Pelce, Willis M., Waring, and Fetterolf.
- Fetzer, Frank G., assignee: *See*—
Perkins, Layton E.
- Fetzer, Ludwig A., assignee: *See*—
Shafer, George W.
- Fetzer, Walter R., Clayton, and J. W. Evans, St. Louis, Mo., assignors to Union Starch & Refining Company, Columbus, Ind. Extra sweet corn syrup. 2,487,121, Nov. 8.
- Feucht, Albert, Cleveland, Ohio, assignor to The Le Roi Company, Milwaukee, Wis. Fluid pressure motor for rock drill feeding mechanisms. 2,479,004, Aug. 16.
- Feucht, Albert, Garfield Heights, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Lubricator. 2,484,338, Oct. 11.
- Feuer, Irving: *See*—
Blau, Marietta, and Feuer.
- Feuer Bros., Inc., assignee: *See*—
Feuer, Robert.
- Feurer, Robert, Jackson Heights, assignor, by mesne assignments, to Feuer Bros., Inc., New York, N. Y. Cigarette lighter. 2,479,917, Aug. 23.
- Feussner, Jacob, Freeland, Pa. Rat or rodent poison holder. 2,479,724, Aug. 30.
- Fevas, Anna, Akron, Ohio. Electrically heated applicator. 2,488,591, Nov. 22.
- Fevold, Harry L.: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.
Dimick, Keene P., Stubbs, Garibaldi, Lightbody, and Fevold.
- Few, William, Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Strip material loop control. 2,487,755, Nov. 8.
- Few, William, assignor to The Clark Controller Company, Cleveland, Ohio. Automatic electric regulation of electro-plating apparatus. 2,488,856, Nov. 22.
- Fewell, Verna F., Pampa, Tex. Fuel supply system for gas fired heating plants and valve therefor. 2,487,323, Nov. 8.
- Fewins, Frank, assignor of one-fourth to D. J. W. Huntington, Los Angeles, Calif. Hair guiding attachment for hair clippers. 2,481,097, Sept. 6.
- Fibre Metal products Company, assignee: *See*—
Bowers, Charles E.
- Fibreboard Products Inc., assignee: *See*—
Anderson, Nels A.
- Fichtmueller, Frederick A.: *See*—
Rosshelm, David B., Fichtmueller, and Schenk.
- Fidler, Isadore, Milwaukee, Wis. Garment supporting device. 2,465,859, Mar. 29.
- Fiduccia, Anthony, Cedar Grove, N. J. Snow and ice melting machine. 2,471,733, May 31.
- Fiechter, René A., Great Neck, assignor of one-half to A. V. Tornek, New York, N. Y. Lubricating jeweled bearings of watch movements and like instrument parts. 2,478,865, Aug. 9.
- Fiedel, Samuel, Newark, assignor to L. A. Marantz, East Orange, N. J. Knockdown stand. 2,464,031, Mar. 8.
- Fiedler, Edward L., assignor to The Dow Chemical Company, Midland, Mich. Ternary copolymers and casting of films thereof. 2,476,967, July 26.
- Fiedler, Max G., Media, assignor to Fiedler-Sellers Corporation, Philadelphia, Pa. Diesel starting igniter. 2,487,924, Nov. 15.
- Fiedler-Sellers Corporation, assignee: *See*—
Fiedler, Max G.
- Fiedorek, Fred T.: *See*—
Blomquist, Alfred T., and Fiedorek.
- Fiegel, William J., and G. R. Perry, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Broaching machine. 2,487,699, Nov. 8.
- Fiehl, Michael: *See*—
Lake, Clair D., Piatt, Fiehl, and Pfaff.
- Field, Crosby, assignor to Flakice Corporation (Delaware), Brooklyn, N. Y. Method and apparatus for making ice. 2,488,529, Nov. 22.
- Field, Henry M., Dayton, Ohio. Abrasive cutting roll. 2,458,362, Jan. 4.
- Field, Howard, assignee: *See*—
Sprague, Robert B., and Nevius.
- Field, Lloyd McK., New London, Ohio. Spark plug. 2,488,972, Nov. 22.
- Field, Oscar S.: *See*—
Wight, Sedgwick N., and Field.
- Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Polar biased relay. 2,491,098, Dec. 13.
- Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,458,361, Jan. 4.
- Field, Oscar S., and S. N. Wight, Rochester, and S. P. Saint, Port Washington, assignors to General Railway Signal Company, Rochester, N. Y. Airplane course indicating system. 2,463,094, Mar. 1.
- Field, Oscar S., S. N. Wight and R. W. Hewes, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,484,463, Oct. 11.
- Field, Philip M., assignor to Charles Beseler Company, New York, N. Y. Adjustable platform for opaque copy and picture projectors. 2,463,026, Mar. 1.
- Field, Theodore E., assignor to Corhart Refractories Company, Louisville, Ky. Cast refractory products. 2,467,122, Apr. 12.
- Field, William J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor controlling apparatus. 2,480,125, Aug. 30.
- Fielding, Edgar C., Walsall, England. Guard for grinding machines and the like. 2,471,561, May 31.
- Fields, Charles V., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency capacitor. 2,462,173, Feb. 22.
- Fields, Clifford, Mount Vernon, Ill. Scalp conditioning cabinet. 2,458,901, Jan. 11.
- Fields, George, Wilmette, assignor to Admiral Corporation, Chicago, Ill. Basket structure for washing machines. 2,465,216, Mar. 22.
- Fields, Joseph E.: *See*—
Morris, John R., and Fields.
- Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Inhalator. 2,470,296, May 17.
- Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Inhalator. 2,470,297, May 17.

- Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Powdered medicine dispenser. 2,470,298, May 17.
- Fields, Warren S., Del Paso Heights, Calif. Power transmission. 2,476,716, July 19.
- Fiene, Clara E., administratrix: *See*—
Fiene, Marcus E.
- Fiene, Marcus E., deceased, Scotia, N. Y., by C. E. Fiene, administratrix, Erie, Pa., assignor to General Electric Company. Thermomotive modulating heat transfer system. 2,471,146, May 24.
- Fierke, Scheuring S., assignor to Eastman Kodak Company, Rochester, N. Y. Removing soluble salts from photographic emulsions. 2,481,650, Sept. 13.
- Fierke, Scheuring S., and J. J. Chechak, assignors to Eastman Kodak Company, Rochester, N. Y. Mixed grain photographic emulsions. 2,490,749, Dec. 6.
- Fieroh, Otto E.: *See*—
Amstutz, James B., and Fieroh.
- Fieroh, Robert W., Chicago, Ill. Stair stand. 2,479,736, Aug. 28.
- Fife, George, assignors, by mesne assignments, to Union Plate and Wire Co., Attleboro, Mass. Method and apparatus for final shaping ends of tubular members. 2,490,343, Dec. 6.
- Fife, Harvey R., Mount Lebanon, Pa., and F. H. Roberts, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Esters of mixtures of polyoxyalkylene monohydroxy compounds. 2,480,185, Aug. 30.
- Figard, Renel H., Detroit, assignor to Harry Ferguson, Inc., Dearborn, Mich. Plow or the like and making same. 2,459,999, Jan. 25.
- Figaro Company, Inc., The, assignee: *See*—
Bostick, Damon D.
- Figdor, Hans G., assignor to E. F. Houghton and Company, Philadelphia, Pa. Wetting agent. 2,471,945, May 31.
- Fikar, Walter: *See*—
Engle, Loy S., and Fikar.
- Fike, Russell R.: *See*—
Holm, Thor O., and Fike.
- Fike, Russell R., Cleveland, and N. W. Oakes, Shaker Heights, Ohio, assignors to Thompson Products, Inc. Fluid flow control device. 2,492,140, Dec. 27.
- Filachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Aryl acrylates and methacrylates and their polymers. 2,477,293, July 26.
- Filander, Arthur H.: *See*—
Woodard, William E., and Filander.
- Filature & Tressage Vahman, Société Anonyme, assignee: *See*—
Philippon, Nazaire.
- Filbey, Emery T., trustee, assignee: *See*—
Bowman, Jay.
Bowman, Jay, and Beadle.
- Files, Glenn W., deceased, Elmwood Park, Ill., by General Electric X-Ray Corporation, assignee, Milwaukee, Wis. Roentgenological method and apparatus. Re. 23,179, Dec. 6.
- Filiatreault, Damas C., Jr., Chicago, Ill. Tool handle. 2,461,886, Feb. 15.
- Filippi, Elvio: *See*—
Grassi, Salvatore, and Filippi.
- Fillingier, Charles: *See*—
Atwood, Hyatt B., and Fillingier.
- Filliung, Jacques J., Jr.: *See*—
Allen, Charles C., and Filiung, Jr.
- Fillweber, Marcellus I.: *See*—
Janecky, Charles, Fillweber, and Bylund.
- Filters, Incorporated, assignee: *See*—
Molyneux, Cecil P.
- Filtrol Corporation, assignee: *See*—
Gary, Wright W.
Peer, Edward S.
Secor, Robert B.
- Finch, Harold L., Davenport, Iowa, assignor to Famco, Inc. Channel clip. 2,485,090, Oct. 18.
- Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Frequency shift telegraphy. 2,492,791, Dec. 27.
- Finch Telecommunications, Inc., assignee: *See*—
Calkin, Frank G.
Finch, William G. H.
Volz, Philip E.
- Finch, William G. H., Newtown, Conn., assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recording stylus. 2,464,970, Mar. 22.
- Finch, William G. H., Newtown, Conn. High-speed facsimile synchronizing system. 2,466,221, Apr. 5.
- Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride resins stabilized with alkali metal or alkaline earth metal salts of nitro substituted alkanes. 2,464,177, Mar. 8.
- Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Phenylethyl sulfones. 2,470,077, May 10.
- Fincke, John K., Dayton, and E. W. Gluesenkamp, Centerville, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl chloride resins. 2,479,918, Aug. 23.
- Fincke, Leo I., assignor of one-half to W. R. Hodgkinson, Chicago, Ill. Casting target. 2,482,057, Sept. 13.
- Findlater, John G., Baker, Mont. Windsock apparatus. 2,467,374, Apr. 19.
- Findlay, Albert J., Montreal, Quebec, Canada. Apparatus for recording and computing working time. 2,476,717, July 19.
- Findlay, Robert A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of tertiary base olefins. 2,466,092, Apr. 5.
- Findlay, Thomas A., Minocqua, Wis. Fish bait. 2,479,675, Aug. 23.
- Findley, Earl V., Bushton, Kans. Cable actuated hoisting mechanism. 2,482,406, Sept. 20.
- Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Ventilating and heating apparatus for vehicles. 2,473,281, June 14.
- Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thermoelectric radio operation. 2,480,405, Aug. 30.
- Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Closure. 2,484,083, Oct. 11.
- Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heating and ventilating device for vehicles. 2,488,278, Nov. 15.
- Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Drive for auxiliary devices. 2,475,229, July 5.
- Findley, Howard J., and R. D. Beatty, Shaker Heights, assignors to Eaton Manufacturing Company, Cleveland, Ohio. Portable thermoelectric generator. 2,480,404, Aug. 30.
- Findley, Thomas W.: *See*—
Swern, Daniel, Scanlan, and Findley.
- Fine, Byrd S., Waterbury, Conn. Pusher mechanism for matrix assemblers. 2,491,367, Dec. 13.
- Fine, Charles C., Nanticoke, Pa. Truss. 2,475,488, July 5.
- Fine, Harold D., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Portable lighting fixture. 2,492,852, Dec. 27.
- Finegan, John C., East Orange, N. J., assignor to American Optical Company, Southbridge, Mass. Finger cot and making same. 2,461,970, Feb. 15.
- Fineman, Abe E., assignee: *See*—
Levin, Jacob.
- Fineman, F. Esther, assignee: *See*—
Levin, Jacob.
- Finer, Bernard, New York, N. Y. Convertible furniture. 2,458,363, Jan. 4.
- Finger, Armin A.: *See*—
Gagliardi, Nicholas G., Finger and Stanton.
- Fink, Albert O., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Bonding of metal carbonyl deposits. 2,475,601, July 12.
- Fink, Colin G., and C. C. Ma, New York, N. Y. Producing tungsten. 2,463,367, Mar. 1.
- Fink, Henry A., Felham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for reforming crown caps. 2,475,830, July 12.
- Fink, Howard R., Kenosha, Wis. Cleansing clothes. 2,489,278, Nov. 29.
- Fink, Jean: *See*—
McCaslin, James F., and Fink.
- Fink, Jean, Delavan Lake, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Electric balance clock. 2,459,930, Jan. 25.
- Fink, Jean, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Electric clock. 2,465,582, Mar. 29.
- Fink, Lucinda I., Liscomb, Iowa. Hair waver. 2,473,198, June 14.
- Fink, Melvin M.: *See*—
Hughes, Everett C., Bartleson, Sunday, and Fink.
- Finke, Herbert A., Brooklyn, N. Y., assignor to Radio Corporation of America. Coaxial electron discharge device. 2,463,368, Mar. 1.
- Finke, Theodore R., Euclid, J. L. Stewart and L. H. Finneburgh, Jr., Cleveland Heights, assignors to The Gabriel Company, Cleveland, Ohio. Swivel ball antenna support. 2,470,693, May 17.
- Finkelstein, Morris, Baltimore, Md. Cutting knife. 2,467,585, Apr. 19.
- Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.
- Finken, Walter S., assignee: *See*—
Frieder, Leonard P., and Finken.
- Finlay, Thomas B., Coral Gables, Fla., and S. A. Laneri, South Glastonbury, Conn.; said Finlay assignor to A. Senatro, South Glastonbury, Conn. Live bait cradle. 2,463,369, Mar. 1.
- Finlay, Walter L., Fairfield, and G. E. Hutchinson, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Shot shell. 2,462,312, Feb. 22.
- Finlay, Walter L., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Controlling shot patterns. 2,484,988, Oct. 18.
- Finlayson, Alexander S., Rahway, N. J., assignor to Hercules Powder Company, Wilmington, Del. Cellulose ether manufacture. 2,482,844, Sept. 27.
- Finlayson, Donald: *See*—
Miller, Albert, Mann, Finlayson, and Morledge-Hadfield.

- Finlayson, Donald, and H. Crawshaw, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Making reinforced plastic products. 2,482,164, Sept. 20.
- Finley, Alan W., McKees Rocks, Pa. Tray. 2,491,554, Dec. 20.
- Finley, Charles E., Derry, Pa. Compressor control system. 2,492,361, Dec. 27.
- Finley, Mae C., executor: *See*—Knapp, David R.
- Finley, Robert B., Healdton, Okla. Adjustable steering wheel. 2,464,856, Mar. 22.
- Finn, Frank L.: *See*—Dahelm, Mathias J., and Finn.
- Finn, John, San Francisco, Calif. Wave and current operated drag. 2,487,229, Nov. 8.
- Finn, John S.: *See*—Bishop, Lewis H., and Finn.
- Finneburgh, Lewis H., Jr.: *See*—Finke, Theodore R., Stewart, and Finneburgh.
- Finnell, Russell D., Orange, Tex. Clothes hanger. 2,488,621, Nov. 22.
- Finnell, Walter S., Elkhart, Ind. Dual-purpose mop having steel and fibrous pads. 2,482,163, Sept. 20.
- Finney, Curtiss W., Los Angeles, Calif. Fastener. 2,464,924, Mar. 22.
- Finney, John H. V., assignor to Mining Process and Patent Company, Denver, Colo. Filter disk segment. 2,460,280, Feb. 1.
- Finney, John H. V., Denver, Colo. Gravity feed centrifugal pump. 2,469,374, May 10.
- Finzer, Carl, Summit, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding system. 2,489,279, Nov. 29.
- Florella, John, Ripley, N. Y. Vineyard hoe. 2,463,684, Mar. 8.
- Floretti, Dario, Suresnes, France. Measuring and distributing device for fluids, particularly lubricants. 2,478,260, Aug. 9.
- Fiori, Irving, and F. J. Mugnai, assignors to Art Specialty Co., Chicago, Ill. Adjustable load support. 2,476,850, July 19.
- Florio, Grace Z., Woodhaven, N. Y. Maternity garment. 2,472,154, June 7.
- Firan Co., The, assignee: *See*—Fitch, Raymond L.
- Fireng, Louise H., Wayne, Pa. Double-cut educational novelty. 2,460,169, Jan. 25.
- FiResearch Corporation, assignee: *See*—Holmes, Willis G.
- Firestone, Floyd A., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Supersonic reflectoscope. 2,458,771, Jan. 11.
- Firestone, Floyd A., Ann Arbor, Mich., assignor to Sperry Products, Inc., Hoboken, N. J. Supersonic inspection for flaws lying near the surface of a part. 2,467,301, Apr. 12.
- Firestone, Floyd A., Ann Arbor, Mich., assignor to Sperry Products, Inc., Hoboken, N. J. Inspection of a solid part utilizing supersonic transmission. 2,483,821, Oct. 4.
- Firestone, Floyd A., Washington, D. C., assignor to United Aircraft Corporation, East Hartford, Conn. Resonance inspection method. Re. 23,090, Mar. 15.
- Firestone, Floyd A., Washington, D. C., and J. R. Frederick, Ann Arbor, Mich., assignors to Sperry Products, Inc., Hoboken, N. J. Supersonic inspection. 2,458,581, Jan. 11.
- Firestone, Howard E., Salem, Ohio. Stair elevator. 2,472,943, June 14.
- Firestone Tire & Rubber Company, The, assignee: *See*—Albert, Harry E.
- Allen, Raymond W.
- Alliger, Glen.
- Bebb, Robert L.
- Bosomworth, George P.
- Bradley, Harry P., and Dum.
- Brown, Roy W.
- Carr, Edward L., and Rafter.
- Charnes, James E.
- Conger, Latham H., Jr.
- Donia, Robert A.
- Draman, Rexford E.
- Dybvig, Charles C.
- Flint, Hyland C.
- Groten, Frank J., and Reid.
- Hargraves, Albert.
- Heywood, Mark M.
- Johnson, Charles R.
- Kolbe, Henry H.
- Kubaugh, Le Roy M.
- Le Claire, Claire D.
- Miller, Alvin D.
- O'Donnell, Robert T.
- O'Neil, Terrence A.
- Palmer, Henry F.
- Pretymann, Irven B., Bosomworth, and Milner.
- Radcliffe, Milton R.
- Rafter, John R.
- Skromme, Arnold B.
- Smith, George E. P., Jr., and Carr.
- Smith, Thomas Q.
- Spencer, Corwin N.
- Firestone Tire & Rubber Company, The, assignee: *See*—Continued.
- Spencer, George A.
- Trainer, James E., and Alderfer.
- Waters, Herbert H.
- Wilson, Robert F., and Reznicek.
- Wohler, Leonard A., and Greenup.
- Firetox Company, assignee: *See*—Doughty, Howard W.
- Firing, Wilhelm, Furulund near Oslo, assignor to A/S Thunes Mek. Vaerksted, Skoyen near Oslo, Norway. Fuel injection device for combustion chambers of internal-combustion engines. 2,488,857, Nov. 22.
- Firsching, Joseph A., Utica, N. Y. Pile and knife guide for pile cutting machines. 2,482,407, Sept. 20.
- First Industrial Corporation, assignee: *See*—Eaton, Malcolm W.
- Enzler, Paul R.
- Kaminky, Oscar H.
- Martin, Wilbert A.
- Millard, Harper.
- Pashby, Robert W.
- Ransome, Stafford G.
- Riche, Arthur L.
- Riche, Arthur L., and Rush.
- Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Mounting for sheaves, etc. 2,467,819, Apr. 19.
- Firth, Francis G., New York, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Stress analysis by X-ray diffraction. 2,462,374 Feb. 22.
- Firth, Francis G., New York, N. Y. Device for accelerating reactions. 2,489,768, Nov. 29.
- Firth, Thos., & John Brown Limited, assignee: *See*—Sykes, Charles, and Wright.
- Fischbein, Dave, Minneapolis, Minn. Electric sewing machine. 2,484,495, Oct. 11.
- Fischbein, Dave, Minneapolis, Minn. Throat plate for sewing machines. 2,488,390, Nov. 15.
- Fischer, Albert W.: *See*—Kettering, Charles F., and Fischer.
- Perkins, Wallace W., and Fischer.
- Fischer, Alfred, Bronx, N. Y., assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Oil-soluble drier metal salt compositions. Re. 23,119, May 31.
- Fischer, Anthony J., Manhasset, assignor to The Dorr Company (Inc.), New York, N. Y. Sewage screening apparatus. 2,467,021, Apr. 12.
- Fischer, Earl K., Long Island City, assignor to Interchemical Corporation, New York, N. Y. Fire-retarding compositions. 2,461,538, Feb. 15.
- Fischer, Friedrich C., De Witt, Nebr. Toggle operated slidable jaw wrench. 2,471,734, May 31.
- Fischer, Henry J., Warren Township, Macomb County, Mich. Galloping hobbyhorse. 2,469,263, May 3.
- Fischer, Herbert G. M., Westfield, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Asphalt with improved adhesion properties for aggregates. 2,461,971, Feb. 15.
- Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Motor fuels. 2,461,972, Feb. 15.
- Fischer, Hermann O. L.: *See*—Sowden, John C., and Fischer.
- Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling machine. 2,457,992, Jan. 4.
- Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Compression riveter. 2,467,020, Apr. 12.
- Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Driver for dimpling mandrels. 2,478,382, Aug. 9.
- Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Compression riveter adjustable stop means. 2,492,094, Dec. 20.
- Fischer, James J., Milwaukee, Wis. Bird cage swing. 2,483,003, Sept. 27.
- Fischer, John F., assignor to Hershey Machine & Foundry Company, Manheim, Pa. Induced draft heater. 2,465,958, Mar. 8.
- Fischer, Joseph, San Diego, Calif. Propeller. 2,469,919, May 10.
- Fischer, Karl B., Sheboygan, Wis. Fish pole holder. 2,466,166, Apr. 5.
- Fischer, Kermit, Bridge Valley, assignor to Fischer & Porter Company, Hathboro, Pa. Flowmeter. 2,490,792, Dec. 13.
- Fischer, Mathieu H. H. M. G., Heusy-Verviers, assignor to Ateliers Houget, Societe Anonyme Vervietoise pour la Construction de Machines, Vervieres, Belgium. Control device for continuous spinning and twisting frames. 2,489,021, Nov. 22.
- Fischer, Paul E., Portland, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Crate unloader. 2,466,693, Apr. 12.
- Fischer, Paul E., Portland, and E. Ardell, Middletown, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Spout sealing machine. 2,483,458, Oct. 4.
- Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,483,270, Sept. 27.

- Fischer & Porter Company, assignee: *See*—
Brewer, Nathaniel.
Fischer, Kermit.
- Fischer, Wilbur F., Roselle Park, N. J., assignor to Standard Oil Development Company. Improving cured butyl rubber for pressure working. 2,458,843, Jan. 11.
- Fischer, Wilhelm, assignee: *See*—
Borger, Frank G.
- Fischman, Martin, Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Pulse generator. 2,461,110, Feb. 8.
- Fiscus, Harold F., Eddyville, Iowa. Desk attachment for automobile steering wheels. 2,487,536, Nov. 8.
- Fisette, Hazel, administratrix: *See*—
Barnes, Alonzo R.
- Fish, Edwin B., Binghamton, N. Y. Toboggan. 2,469,765, May 10.
- Fish, Foster T.: *See*—
Jennings, La Ville R., and Fish.
- Fish, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,371, June 7.
- Fish, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,372, June 7.
- Fish, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,373, June 7.
- Fish, Glenn L., assignee: *See*—
Wessels, Henry E.
- Fish, John J., assignor to Sun Chemical Corporation, New York, N. Y. Treatment of microcrystalline residues and products resulting therefrom. 2,471,102, May 24.
- Fish Machinery Corporation, assignee: *See*—
Savrdá, Charles M.
Savrdá, Charles M., and Hunt.
- Fish, Mortimer W., Dayton, and D. F. Alexander, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Thermal motor protector. 2,463,935, Mar. 8.
- Fish, Mortimer W., assignor to General Motors Corporation, Dayton, Ohio. Liquid cooler, including agitator motor and heat removing device therefor. 2,470,551, May 17.
- Fish, Walter D., Claremont, N. H., assignor to Joy Manufacturing Company. Tool retainer. 2,472,202, June 7.
- Fish, William R., Inyokern, Calif., assignor to Swift & Company, Chicago, Ill. Manufacture of fatty acid esters. 2,486,938, Nov. 1.
- Fishburn, Arthur, and J. A. Hendry, Manchester, and J. Francis, Wilmslow, England, assignors to Imperial Chemical Industries Limited. Animal hypnotic composition. 2,478,093, Aug. 2.
- Fisher, Albert M.: *See*—
Scott, David A., and Fisher.
- Fisher, Alec, Lynn, Mass., assignor to General Electric Company. Regulator system. 2,464,567, Mar. 15.
- Fisher, Bernard E., Detroit, Mich. Doorstop. 2,462,174, Feb. 22.
- Fisher, Charles H.: *See*—
Milachione, Edward M., and Fisher.
Rehberg, Chessie E., and Fisher.
Fein, Martin L., and Fisher.
Mast, William C., Smith, and Fisher.
- Fisher, Clyde M., Youngwood, Pa. Lock hook. 2,485,872, Oct. 25.
- Fisher, Earl J., Clarksville, Va. Method and apparatus for continuous run treatment of sheet materials. 2,481,992, Sept. 13.
- Fisher, Edward G., Miami, Fla. Combined window unit and blind construction. 2,490,295, Dec. 6.
- Fisher, Elton: *See*—
Shaw, Joseph A., and Fisher.
- Fisher, Ernest F., assignor to Whiting Corporation, Harvey, Ill. Sludge handling and disposal system. 2,461,814, Feb. 15.
- Fisher, Ernest F., assignor to Whiting Corporation, Harvey, Ill. Dust collector and sludge separator. 2,484,277, Oct. 11.
- Fisher, Frank, Owosso, Mich. Operating system for electric fences. 2,476,033, July 12.
- Fisher, Frank R., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Process and apparatus for the catalytic conversion of hydrocarbons. 2,491,099, Dec. 13.
- Fisher, Franklin M., New York, N. Y., and H. C. Hopp, Des Plaines, assignors to Standard Cap and Seal Corporation, Chicago, Ill. Processing cheese and package therefor. 2,471,867, May 31.
- Fisher, Frederick C., Bellmore, assignor to Electronold Corporation, New York, N. Y. Electromagnetic straight-line motor. 2,483,895, Oct. 4.
- Fisher, George, Chicago, Ill., G. T. Fisher, administratrix of said George Fisher, deceased, assignor to G. F. Fisher, Jr. Rhythm calculator. 2,476,408, July 19.
- Fisher, George F., Jr., assignee: *See*—
Fisher, George.
- Fisher, George R. L. S., Pendock, Staunton, England. Permutation lock. 2,468,967, May 3.
- Fisher, Geraldine T., Administratrix: *See*—
Fisher, George.
- Fisher, Hardin Y.: *See*—
Soreng, Edgar M., and Fisher.
- Fisher, Hardin Y., Melrose Park, assignor to Soreng Manufacturing Corporation, Chicago, Ill. Solenoid with plunger. 2,468,052, Apr. 26.
- Fisher, Harold G., and E. O. Keizer, Princeton, N. J., assignors to Radio Corporation of America. Pass band width control circuit. 2,464,125, Mar. 8.
- Fisher, Harold J., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave receiving system. 2,484,618, Oct. 11.
- Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production and treatment of polymeric materials. 2,476,968, July 26.
- Fisher, Jay, assignee: *See*—
Bruen, George C.
- Fisher, John R., Jr., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Blueprint marking solution. 2,466,799, Apr. 12.
- Fisher, Leonard, assignor to R. S. Fisher, San Francisco, Calif. Dry sterilizer cabinet. 2,490,344, Dec. 6.
- Fisher, Louis S., Miami, Fla. Hot line tie stick. 2,484,278, Oct. 11.
- Fisher, Marie A., Long Beach, Calif. Nursing bottle holder. 2,465,015, Mar. 22.
- Fisher, Martin H.: *See*—
King, George E., and Fisher.
- Fisher, Max, San Francisco, Calif. Manually operated magneto for animal prods. 2,466,308, Apr. 5.
- Fisher, Ralph S., assignee: *See*—
Fisher, Leonard.
- Fisher, Raymond, Baldwinville, Mass. Telephone receiver rest. 2,484,450, Oct. 11.
- Fisher, Robert G., Coplay, Pa. Air circulating radiator. 2,475,088, July 5.
- Fisher, Sidney O., Schenectady, N. Y., assignor to General Electric Company. Alloy suitable for use at high temperatures. 2,460,817, Feb. 8.
- Fisher, Thomas H., Springfield, Ohio. Dog. 2,464,298, Mar. 15.
- Fisher, Ulrich S., Holyoke, Mass. Fire alarm. 2,457,881, Jan. 4.
- Fishman, Isidore F., assignee: *See*—
Massaro, Peter J.
- Fisk, Charles F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Oil phase polymerization of resins. 2,466,800, Apr. 12.
- Fisketti, Henry D., and J. G. Lenta, Duluth, Minn. Mask. 2,458,580, Jan. 11.
- Fishko, Abraham, Brooklyn, N. Y. Floor box or the like. 2,481,098, Sept. 6.
- Fistor, Stephen, Battle Creek, Mich. Window screen. 2,491,555, Dec. 20.
- Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Shaft seal. 2,487,230, Nov. 8.
- Fitch, Clyde J., Endicott, and R. N. Eichorn, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Gaseous tube and circuit. 2,484,084, Oct. 11.
- Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure actuator. 2,478,575, Aug. 9.
- Fitch, Frederick B., assignor to Morris Farm Machinery Company, Detroit, Mich. Flexible shaft. 2,491,653, Dec. 20.
- Fitch, Herbert F., Norwalk, Conn. Automatic hat former. 2,463,759, Mar. 8.
- Fitch, Herbert F., Norwalk, Conn. Auxiliary feeder for hat formers. 2,469,161, May 3.
- Fitch, Karl E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiway regenerative repeater system. 2,481,919, Sept. 13.
- Fitch, Oran F., Alturas, Calif. Hay stacker device. 2,461,973, Feb. 15.
- Fitch, Raymond L., West Los Angeles, assignor to The Firan Co., Santa Monica, Calif. Electric heater. 2,475,180, July 5.
- Fites, Cyril B., St. Johns, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor lubrication supply mechanism. 2,471,868, May 31.
- Fitschen, Albert C., Beverly Hills, Calif. Variable tone control device. 2,483,041, Sept. 27.
- Fitt, William C., Muskegon, Mich. Picture projector apparatus and cabinet combination device. 2,477,923, Aug. 2.
- Fitterer, George R., Oakmont, assignor to E. H. Heckett, Valencia, Pa. Utilizing metallurgical slags. 2,471,562, May 31.
- Fitz, Charles L., assignee: *See*—
Fitz, Charles L.
- Fitz, Charles L., Albany, Calif., assignor of one-half to F. Dobbs and one-half to C. L. Fitz, Three Lakes, Wis. Magnetic governor. 2,481,920, Sept. 13.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J. Electromagnetic system. 2,459,069, Jan. 11.
- Fitz Gerald, Alan S., Wynnewood, Pa. Magnetic amplifier system. 2,461,046, Feb. 8.
- Fitz Gerald, Alan S., Wynnewood, assignor to Leeds and Northrup Company, Philadelphia, Pa. Magnetic amplifier. 2,464,639, Mar. 15.
- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J. Automatic temperature control system. 2,477,728, Aug. 2.

- Fitz Gerald, Alan S., Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J. Electromagnetic motor control system. 2,477,729, Aug. 2.
- Fitzgerald, Charles F.: *See—*
Butler, Ernest L., and Fitzgerald.
- Fitzgerald, Chester A., assignee: *See—*
Fitzgerald, Nicholas A.
- Fitzgerald, Edward B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,484,213, Oct. 11.
- Fitzgerald, George E., Stratford, Conn. Enclosed fused switch. 2,465,078, Mar. 22.
- Fitzgerald, George E., Stratford, Conn. Enclosed fuse and switch. 2,465,079, Mar. 22.
- Fitzgerald, Lawrence C., Oregon, Wis., dedicated to the free use of the People in the territory of the United States. Rotary disk glue applicator. 2,471,519, May 31.
- Fitzgerald, Mae H., Mineral Wells, Tex. Bottle rack. 2,470,154, May 17.
- Fitzgerald, Nicholas A., assignor to C. A. Fitzgerald, St. Paul, Minn. Fire-fighting apparatus. 2,485,723, Oct. 25.
- Fitzhugh, Robert R., Nicaro, Cuba, B. F. Frederick and B. A. Axelrad, Freeport, Tex., assignors to Nicaro Nickel Company, New York, N. Y. Recovery of ammonia from ore tailings pulp. 2,458,902, Jan. 11.
- Fitzmaurice, James C., London, and W. F. S. Bidwell, Morden, England. Device for laterally supporting elongated members while under longitudinal compressive stress. 2,488,279, Nov. 15.
- Fitzpatrick, Earl A., assignee: *See—*
Griffin, Linnie.
- Fitzpatrick, Frank L., East Malvern, Victoria, assignor to Rocla Limited, Springdale, Victoria, Australia. Manufacture of prestressed concrete pipe and the like. 2,474,660, June 28.
- Fitzpatrick, J. D.: *See—*
Myers, Latimer D., and Fitzpatrick.
- Fitzpatrick, J. D., and L. D. Myers, assignors to Emery Industries, Inc. Cincinnati, Ohio. Producing carboxylic aliphatic nitriles. 2,468,436, Apr. 26.
- Fitzpatrick, Joan T., Morristown, N. J. Pressure indicating device. 2,481,651, Sept. 13.
- Fitzsimmons, David P., Trafford, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transmitter for code communication systems. 2,484,700, Oct. 11.
- Fitzsimmons, John T., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system for internal-combustion engines. 2,465,080, Mar. 22.
- Fitzsimmons, John T., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition device. 2,487,231, Nov. 8.
- Fitzsimmons, John T., and W. D. Schroepe, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition timer. 2,471,318, May 24.
- Fitzsimons, Frank E., St. Louis, Mo. Bait holding treadle for mousetraps. 2,475,884, July 12.
- Five Manufacturing Company, The, assignee: *See—*
McCall, Robert J.
- Fix, Eugene J., and B. B. Patton, Philadelphia, Pa. Fuse plate structure. 2,468,053, Apr. 26.
- Fizzell, James L.: *See—*
Hodes, John H., Jr.
- Flagge, Howard Avery, Norfolk, Va. Lubricator and mixing device. 2,457,813, Jan. 4.
- Flagle, Charles D., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deicing apparatus for compressors. 2,469,375, May 10.
- Flagle, Charles D., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,478,909, Aug. 16.
- Flagstad, Cornell, Minneapolis, Minn. Grain car door implement. 2,482,845, Sept. 27.
- Flaherty, Bartholomew R., Shelton, assignor to Industrial Metal Products Laboratory, Ansonia, Conn. Article holder. 2,462,375, Feb. 22.
- Flakice Corporation (Delaware), assignee: *See—*
Field, Crosby.
- Flamm, Alexander L., Fairfield, Conn. Stapling device. 2,462,623, Feb. 22.
- Flamm, Thomas J., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Lever detent mechanism. 2,465,720, Mar. 29.
- Flanagan, Robert M., Morris Plains, assignor to Bendix Aviation Corporation, Teterboro, N. J. Escapement mechanism. 2,460,000, Jan. 25.
- Flanders, Hyrum E.: *See—*
Canras, Marvin, and Flanders.
- Flanders, John S.: *See—*
Jones, Elwyn, and Flanders.
- Flaster, Alfred A., New York, N. Y. Production of ornamental impressed designs on thermoplastic materials. 2,463,370, Mar. 1.
- Flatford, William R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Signal generator. 2,482,165, Sept. 20.
- Flatford, William R., and F. W. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company. Light absorption cell. 2,490,345, Dec. 6.
- Flaws, David B.: *See—*
Gadwa, Truman A., and Flaws.
- Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Apparatus for making spiders for electric lamps. 2,459,513, Jan. 18.
- Flax, Alexander H.: *See—*
Sourwine, William A., Maynard, and Flax.
- Fleck Broiler Company, Inc., assignee: *See—*
Fleck, Joseph.
- Fleck, Elmer E., Silver Spring, Md., assignor to United States of America as represented by the Secretary of Agriculture. Polymerizing the glyceryl ester of levopimaric acid-maleic anhydride adduct. 2,458,772, Jan. 11.
- Fleck, Elmer E., Silver Spring, Md., and Herbert L. J. Haller, Washington, D. C., assignors to United States of America as represented by the Secretary of Agriculture. Removal of hydrogen halide from halogenated compounds. 2,467,123, Apr. 12.
- Fleck, Joseph, Asbury Park, N. J., assignor to Fleck Broiler Company, Inc., New York, N. Y. Broiling apparatus. 2,480,458, Aug. 30.
- Fleck, Louis C., Menasha, assignor to Paper Patents Company, Neenah, Wis. Producing chalk. 2,467,082, Apr. 12.
- Fleckenstine, Joseph P., Glendale, Calif. Razor cleaning device. 2,465,440, Mar. 29.
- Fleischer Mills Incorporated, assignee: *See—*
Fleischer, Nathan I.
- Fleischer, Nathan I., assignor to The Fleischer Mills Incorporated, Cincinnati, Ohio. Packing cord. 2,465,081, Mar. 22.
- Fleischhauer, Gerald G., Chicago, Ill. Convertible top cover. 2,479,825, Aug. 23.
- Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Support and towing device for two-wheeled vehicles. 2,464,495, Mar. 15.
- Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Semitrailer vehicle with elevating means. 2,471,735, May 31.
- Fleischmann, Lester K., Chicago, Ill., assignor to Standard Manifold Company, Inc. Carbon holder. 2,465,860, Mar. 29.
- Fleischmann, Lester K., Chicago, Ill., assignor to Standard Manifold Company, Inc. Carbon holder. 2,465,861, Mar. 29.
- Fleischmann, Lester K., Chicago, Ill., assignor to Standard Manifold Company, Inc. Carbon holder and paper splitter. 2,492,036, Dec. 20.
- Fleisher, Harry, Watertown, Conn., and G. H. Tillett, assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y. Squeegee supporting and guiding structure. 2,462,376, Feb. 22.
- Fleisher, Walter L., New City, N. Y. Air-conditioning apparatus. 2,459,802, Jan. 25.
- Fleisher, Willis, Jr.: *See—*
Scheer, Charles L., and Fleisher.
- Fleishman, Norman A., Muskegon, Mich. Fracture sling. 2,488,058, Nov. 15.
- Fleitz, Morris F., assignor to Henry Vogt Machine Company, Louisville, Ky. Heat exchanger. 2,482,335, Sept. 20.
- Fleming, Cornelius S., Los Angeles, Calif. Bronzing materials. 2,474,520, June 28.
- Fleming, Edward C.: *See—*
Fleming, William E., and E. C.
- Fleming, Floyd L., U. S. Navy. Gunnery target. 2,490,793, Dec. 13.
- Fleming, Harold W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of ethylene diformate. 2,471,520, May 31.
- Fleming, Howard M., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Time delay motor control system. 2,463,371, Mar. 1.
- Fleming, Hugh B., San Francisco, Calif., and G. M. Brown, North Tarrytown, N. Y., assignors to General Electric Company. Synchronizing system. 2,491,804, Dec. 20.
- Fleming, James C.: *See—*
Baker, Robin, and Fleming.
- Fleming, John G., Pawtucket, R. I., and W. J. Klem, Miami Beach, Fla., assignors, by mesne assignments, to said Fleming. Baseball base. 2,471,736, May 31.
- Fleming, Orrie H., Worthington, W. Va. Fan belt tool. 2,465,217, Mar. 22.
- Fleming, Robert E.: *See—*
Kaufman, Daniel L., and Fleming.
- Fleming, William D., Denver, Colo. Automatic light control. 2,472,815, June 14.
- Fleming, William E., Cedar Rapids, Iowa. Device for sharpening cutlery. 2,474,623, June 28.
- Fleming, William E., and E. C., Cedar Rapids, Iowa. Device for sharpening cutlery. 2,474,622, June 28.
- Flemming, Cecil D., Spirit Lake, Iowa, and G. S. Mapes, West Englewood, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. High-speed quenching. 2,483,725, Oct. 4.
- Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brakehead balancing device. 2,474,239, June 28.
- Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brake head arrangement. 2,479,332, Aug. 16.

- Fletcher, Albert C., and D. Lloyd, Oklahoma City, Okla. Electric welding apparatus. 2,464,679, Mar. 15.
- Fletcher, Albert C., and D. Lloyd, Oklahoma City, Okla. Alternating current rectifier. 2,473,419, June 14.
- Fletcher, David A., Pittsburgh, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated polyethylene electrical insulating compositions. 2,480,009, Aug. 23.
- Fletcher, David A., Pompton Plains, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of chlorinated polythene. 2,480,007, Aug. 23.
- Fletcher, David A., Pompton Plains, and R. S. Taylor, Kearny, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinated polythene compositions. 2,467,550, Apr. 19.
- Fletcher, Ed.: See—
Slayter, Games, and Fletcher.
- Fletcher, Edward C.: See—
Barker, Robert S., Ballinger, Fletcher, Cooper, and Lambert.
- Fletcher, Edward C., East Lansing, Mich. Cartridge case. 2,461,539, Feb. 15.
- Fletcher, Fred W.: See—
Dreisbach, Robert R., and Fletcher.
- Fletcher, George, and Company Limited, assignee: See—
Eisner, Josef.
- Fletcher, George H., Sheffield, England, assignor, by mesne assignments, to General Electric Company. Voltage regulating system. 2,462,624, Feb. 22.
- Fletcher, James: See—
Kerr, Howard J., Fletcher, Watts, and Koolstra.
- Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fuel burning apparatus wherein air is supplied in one or more streams of elongated cross section. 2,480,459, Aug. 30.
- Fletcher, John F., Cleveland, Miss. Siren. 2,471,028, May 24.
- Fletcher, John F.: See—
Nolan, Kenneth G., Morgan, and Fletcher.
- Fletcher, Lynn, and J. Winks, assignors, to Lowell Specialty Company, Lowell, Mich. Spraying device. 2,457,993, Jan. 4.
- Fletcher, Milton, New York, N. Y. Support for neon tubes. 2,459,692, Jan. 18.
- Fletcher, Ralph A.: See—
Arthur, Oscar F., and Fletcher.
- Fletcher, Ralph A., Westford, Mass. Fabricated pallet. 2,461,887, Feb. 15.
- Fletcher, Ralph A., Westford, Mass. Pallet construction. 2,492,626, Dec. 27.
- Fletcher Trust Company, assignee: See—
Starkey, William C.
- Fletcher Trust Company, trustee, assignee: See—
Starkey, William C.
- Fletcher, William G., Bogota, N. J. Baseball game. 2,464,386, Mar. 15.
- Fletcher Works, Inc., assignee: See—
Foster, Gordon S., and Terp.
- Roessel, Hilmar.
- Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Mixtures of alkyl aryl sulfonates. 2,469,376, May 10.
- Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Mixtures of alkyl aryl sulfonates. 2,469,377, May 10.
- Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Mixtures of alkyl aryl sulfonates. 2,469,378, May 10.
- Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Antifungus wrapper and method of pest control. 2,480,010, Aug. 23.
- Flett, William J.: See—
Hafstad, Lawrence R., and Flett.
- Flett, William J., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Safety gate for projectiles. 2,458,468, Jan. 4.
- Flett, William J., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Process of making finished circumferentially surfaced lenses from lens stock. 2,485,873, Oct. 25.
- Fleury, Paul A., IV: See—
Fleury, Paul A., and Fleury, IV.
- Fleury, Paul A., and Paul A. Fleury, IV, Baltimore, Md. Slidable vise jaw locked and actuated by system of levers. 2,465,679, Mar. 29.
- Flexxtric Co., assignee: See—
Tocci-Builbert, Berne.
- Flexible File Company, The, assignee: See—
Fulton, Norman.
- Flexible Sewer Rod Equipment Co., assignee: See—
Cooper, Robert E.
- Flexible Steel Lacing Company, assignee: See—
Beach, Hugh J.
- Flexible Vacuum Container Corporation, The, assignee: See—
Bech, Hugh J.
- Berch, Samuel H.
- Flexitall Gasket Company, assignee: See—
Price, William R.
- Flexnit Company, Inc., assignee: See—
Spiess, William R.
- Flex-O-Glass, Inc., assignee: See—
Warp, Harold.
- Flexser, Leo A.: See—
Parkas, Walter G., and Flexser.
- Flexser, Leo A., Elizabeth, and W. A. Schnyder, assignors to Hoffman-La Roche Inc., Nutley, N. J. Preparation of ribitylaminobenzenes. 2,477,560, Aug. 2.
- Fleysher, Maurice H., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacturing anthraquinone-Carythiazoles. 2,473,872, June 21.
- Fleysher, Maurice H., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovering 2-carboxy-1,2'-dianthrime. 2,478,910, Aug. 16.
- Flick, Francis S., Chicago, Ill., assignor of one-third to W. Reedy. Cylinder head structure. 2,489,769, Nov. 29.
- Flick, Francis S., Chicago, Ill., assignor to W. J. Reedy and F. S. Flick, a partnership, doing business as Miller Motor Company. Apparatus for forging taper pins. 2,490,954, Dec. 13.
- Flickinger, Earl D., and J. Foster, assignors to The Atomic Games Company, Oak Ridge, Tenn. Board for playing an atom game. 2,492,563, Dec. 27.
- Flickinger, Howard B., Ashtabula, Ohio. Nursing bottle holder. 2,459,514, Jan. 13.
- Flinn, Frank E., Miami, Fla. Pipe cleaning snake and operating handle therefor. 2,479,224, Aug. 16.
- Flinn, Van Q., Waynesburg, Ky. Modernistic spring metal folding chair. 2,462,377, Feb. 22.
- Flinner, Elgie C., Kansas City, Mo. Portable camping stove. 2,459,515, Jan. 18.
- Flinspach, John H.: See—
Flinspach, Mack L., and J. H.
- Flinspach, Mack L. and J. H., Compton, Calif. Soil moisture indicator. 2,461,111, Feb. 8.
- Flint, Charles R., assignor to The De Luxe Products Corporation, La Porte, Ind. Surge booster device for exhaust manifolds. 2,482,754, Sept. 27.
- Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Prismatic telescope. 2,463,959, Mar. 8.
- Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Seat cushion, multiple type. 2,459,755, Jan. 18.
- Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bed structure. 2,459,756, Jan. 18.
- Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Back for seats. 2,459,758, Jan. 18.
- Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient seat. 2,476,820, July 19.
- Flintermann, Gerhard, Philadelphia, Pa. Suppository. 2,473,368, June 14.
- Flodin, Nestor W.: See—
Cornthwaite, William R., and Flodin.
- Flogaus, Howard A., Wallingford, assignor to South Chester Corporation, Chester, Pa. Fastening device. 2,470,924, May 24.
- Flogaus, Howard A., Wallingford, Pa., assignor to A C F-Brill Motors Company, New York, N. Y. Combined vehicle spring suspension and stabilizer. 2,492,416, Dec. 27.
- Flohr, Henry, Jr., Saratoga, Wyo. Cattle restraining device. 2,458,582, Jan. 11.
- Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Label dispenser. 2,484,880, Oct. 18.
- Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Slip-loop string tag. 2,488,280, Nov. 15.
- Flood, Charles W., Jr., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Luminaire and transformer housing. 2,464,971, Mar. 22.
- Flood, Edward W., Hopkinton, assignor to Dennison Manufacturing Company, Framingham, Mass. Type dispenser. 2,477,514, July 26.
- Flood, James E., assignor to The Plastic Wire & Cable Corporation, Norwich, Conn. Covering a wire having interstices therein. 2,479,919, Aug. 23.
- Flora, James M., and J. A. Weber, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Forming collapsible partitions. 2,487,122, Nov. 8.
- Flora, Laurence H.: See—
Tinnerman, George A., and Flora.
- Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Handle attachment or the like. 2,482,614, Sept. 20.
- Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening construction. 2,486,557, Nov. 1.
- Flora, Lee, Danville, Ill. Enclosure for tractors. 2,461,974, Feb. 15.
- Flora, Rudolph F.: See—
Olsen, Ernest R., Flora, and Lonnee.
- Flora, Rudolph F., E. R. Olsen, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Mold and liner for castings. 2,489,280, Nov. 29.

- Flora, Russell T.: *See*—
Hobart, Edward A., and Flora.
- Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Vehicle door handle assembly. 2,475,951, July 12.
- Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Door handle assembly. 2,481,832, Sept. 13.
- Florence Pipe Foundry & Machine Company, assignee: *See*—
Camerota, Louis A.
- Florence, Robert T.: *See*—
Chambers, Thomas S., and Florence.
- Florence Stove Company, assignee: *See*—
Reeves, Herbert M.
- Schneider, Frank H.
- Florida Land Clearing Equipment Company, assignee: *See*—
Price, John E., and Peacock.
- Florin, Irene J., assignee: *See*—
Florin, John W.
- Florin, John W., assignor of fifty per cent to I. J. Florin, Detroit, Mich. Floating precision cutter. 2,477,482, July 26.
- Florio, Patrick A.: *See*—
Calfee, John D., and Florio.
- Florman, Irving, New York, N. Y. Shaving machine. 2,462,625, Feb. 22.
- Florman, Irving, New York, N. Y. Cigarette lighter or the like. 2,465,721, Mar. 29.
- Florman, Irving, New York, N. Y. Flint holder. 2,471,206, May 24.
- Florman, Irving, New York, N. Y. Cigarette lighter. 2,479,608, Aug. 23.
- Florman, Irving, New York, N. Y. Cigarette lighter. 2,492,277, Dec. 27.
- Florsheim, Leonard S., Jr., Chicago, Ill., assignor to Kabo, Inc. Brassière. 2,482,255, Sept. 20.
- Florsheim, Richard A., U. S. Navy. Photographic method and apparatus. 2,490,794, Dec. 13.
- Florsheim Shoe Company, The, assignee: *See*—
Pick, Oswald M., and Goodman.
- Flory, Leslie E.: *See*—
Morton, George A., and Flory.
- Flory, Paul J.: *See*—
Calfee, John D., Thomas, and Flory.
- Rehner, John, Jr., and Flory.
- Flory, Paul J., Kent, and N. Rabjohn, assignors to Wing-foot Corporation, Akron, Ohio. Vulcanization of rubber compositions. 2,469,819, May 10.
- Flosdorf, Earl W., Forest Grove, Pa., assignor to Lyophille-Cryochem Corporation, Baltimore, Md. Desiccating orange juice involving freeze drying. 2,471,677, May 31.
- Flosdorf, Earl W., Forest Grove, Pa., assignor to Lyophille-Cryochem Corporation, Baltimore, Md. Desiccating lemon and lime juices. 2,471,678, May 31.
- Flounders, James M., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Steam hose. 2,461,594, Feb. 15.
- Flower, Archibald T., Wyndmoor, Pa., and J. A. Ten Brook, Landis Township, Cumberland County, N. J. Conduit support. 2,475,545, July 5.
- Flowers, Henry F., Findlay, Ohio. Braking mechanism for rail vehicles. 2,461,263, Feb. 8.
- Flowers, Henry F., Findlay, Ohio. Brake mechanism for separate swinging wheel trucks. 2,479,333, Aug. 16.
- Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Polyramids. 2,461,495, Feb. 8.
- Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Polyesters. 2,483,726, Oct. 4.
- Floyd, Earl T., assignor to The Nolde and Horst Company, Reading, Pa. Stocking. 2,466,885, Apr. 12.
- Floyd, Frederick K., assignor to Metron Instrument Company, Denver, Colo. Spindle tip for comparator gauges. 2,467,615, Apr. 19.
- Floyd, John B., Hilton, N. Y. Knife head for apple slicing machinery. 2,487,431, Nov. 8.
- Fluchaire, Maurice L. A., and S. Javorsky, Lyon, assignors to Societe Des Usines Chimiques Rhone Poulenc, Paris, France. Production of 2(para-aminobenzene-sulfonamido)-4-methylpyrimidine. 2,488,081, Nov. 15.
- Fluck, Linton A.: *See*—
Boor, Ladislav, and Fluck.
- Fluck, Linton A., Jr.: *See*—
Cathers, George I., and Fluck.
- Lynn, John E., and Fluck.
- Fluegel, Ernest F. K., Chicago, Ill., assignor to Genie Enterprises, Inc. Hair drying device. 2,481,407, Sept. 6.
- Fluid Control Engineering Co., assignee: *See*—
Annin, Douglas H.
- Gannon, Thomas E.
- Grove, Marvin H., and Bryant.
- Fluor Corporation, Ltd., The, assignee: *See*—
Bechtold, Ira C., Stephens, and Newman.
- Marsh, Earle S.
- Stephens, Foster M.
- Stephens, Foster M., and Yates.
- Fluss, Felix F., New York, N. Y., and G. Jellinek, Plainfield, N. J. Combination packing and display device. 2,487,123, Nov. 8.
- Fly Ash Arrester Corporation, assignee: *See*—
Bullock, Ellis.
- Flygare, Carl G.: *See*—
Belden, Albert G., and Flygare.
- Flygare, Carl G., Worcester, Mass., and H. L. Swainey, Shaker Heights, Ohio, assignors to Norton Company, Worcester, Mass. Grinding wheel feeding mechanism. 2,460,737, Feb. 1.
- Flynn, Charles A., Jr., Phoebus, Va. Baby rattle. 2,484,159, Oct. 11.
- Flynn, Clarence E., St. Louis, Mo. Cutlery. 2,485,375, Oct. 18.
- Flynn, Edmund K., assignor to Goodall-Sanford, Inc., Sanford, Maine. Composite pile and nap face fabric and making same. 2,482,581, Sept. 20.
- Flynn, Edward J., and F. J. Lasak, Schenectady, N. Y., assignors to General Electric Company. Electrical coil insulated with thermoplastic particles and thermoset polymer. 2,464,568, Mar. 15.
- Flynn, Edwin H.: *See*—
Kuehl, Frederick A., Jr., Flynn, and Folkers.
- Flynn, Floyd W., Bellerose, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Piezo-electric crystal unit. 2,482,730, Sept. 20.
- Flynn, Melvin W., San Francisco, Calif. Box head labeler. 2,484,701, Oct. 11.
- Flynn, Robert C., Houston, Tex. Lifting device. 2,492,853, Dec. 27.
- Flynn, Theodore P., Portland, Oreg., and T. Coldwell, Vancouver, Wash., dedicated to the free use of the People in the Territory of the United States. Endless track. 2,461,150, Feb. 8.
- Foard, Robert F., Los Angeles, Calif. Screen printing machine. 2,458,773, Jan. 11.
- Focht, Nevin S., Syracuse, N. Y. Hydraulic shock absorber. 2,465,680, Mar. 29.
- Focke, Arthur E., and H. E. Morrow, assignors to Diamond Chain Company, Inc., Indianapolis, Ind. 2,466,639, Apr. 5.
- Fodor, Joseph L., South Norwalk, Conn. Electropneumatic loud-speaker. 2,485,269, Oct. 18.
- Foehr, Edward G., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Methacrylates in constant viscosity oils. 2,489,281, Nov. 29.
- Foehr, Edward G., Berkeley, and F. A. Leyda, Richmond, assignors to California Research Corporation, San Francisco, Calif. Lubricating oils and the like. 2,489,301, Nov. 29.
- Foerste, William, Pelham Manor, N. Y. Controlling the operation of a plurality of gaseous discharge lamps. 2,460,979, Feb. 8.
- Foerste, William, Pelham Manor, N. Y.; A. Kane, administratrix of said William Foerste, deceased, assignor of one-half to E. A. Quarrie, Scarsdale, N. Y. Compensated magnetic-leakage-type transformer. 2,474,624, June 28.
- Foerster, Albert W., assignor of one-half to G. D. Carter, Milwaukee, Wis. Illuminated level. 2,481,736, Sept. 13.
- Fogal, Gordon L., and A. M. Mitnick, Washington, D. C. Parachute pack. 2,476,969, July 26.
- Fogarty, John G., Rochester, N. Y. Tire chain and mounting device therefor. 2,474,521, June 28.
- Fogel, Samuel, Montreal, Quebec, Canada. Transparent display container with slide. 2,481,302, Sept. 6.
- Fogelberg, John M.: *See*—
Tuve, Richard L., Fogelberg, Brinnick, and Springer.
- Fogg, Charles C., Los Angeles, Calif. Repairing glass hypodermic syringes. 2,464,840, Mar. 22.
- Fogg, Stanley R., Terre Haute, Ind. Artificial foot. 2,470,480, May 17.
- Foglio, James J., New Rochelle, N. Y. Foldable ironing board. 2,485,193, Oct. 18.
- Folb, Henry: *See*—
Silbert, Sidney, and Folb.
- Folda, Bert, Jr., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Spark plug thread lubricant. 2,460,632, Feb. 1.
- Foley, Andrew A.: *See*—
Schoenfeld, Barbara L., and Foley.
- Foley, Charles F., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Wheel mount for suction cleaners. 2,490,955, Dec. 13.
- Foley, Frank H., Lorain, Ohio. Spectacle holder. 2,468,437, Apr. 28.
- Foley, John P.: *See*—
Durfee, Walter W., and Foley.
- Foley, Walter M., Redondo, Calif. Golf bag support. 2,476,718, July 19.
- Folger, Wayne O., Wichita, Kans. Tractor trailer electrical coupling. 2,472,069, June 7.
- Folk, George W., Kalamazoo, Mich. Boiler. 2,489,770, Nov. 29.
- Folke, Bengt E., Mamaroneck, and R. H. Shepard, assignors to Nathan Manufacturing Company, New York, N. Y. Lubricating device. 2,474,661, June 28.
- Folker, Herbert P., Oakland, assignor to National Safety Appliance Co., Ltd., San Francisco, Calif. Train control system. 2,465,862, Mar. 29.
- Folker, Herbert P., Oakland, assignor to National Safety Appliance Co., Ltd., San Francisco, Calif. Train control system. 2,486,271, Oct. 25.

- Folkers, Karl: *See*—
Harris, Stanton A., and Folkers.
Harris, Stanton A., Arth, Hoffman, and Folkers.
Harris, Stanton A., Folkers, Mozingo, and Arth.
Harris, Stanton A., Hoffman, and Folkers.
Kaczka, Edward A., McPherson, Mozingo, and Folkers.
Kuehl, Frederick A., Jr., Flynn, and Folkers.
Major, Randolph T., Folkers, Johnson, and Southwick.
Mozingo, Ralph and Folkers.
Mozingo, Ralph, Harris, Arth, and Folkers.
Rogers, Edward F., and Folkers.
Sheehan, John C., Mozingo, Folkers, and Tishler.
- Folkers, Karl, Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Aryl azo sulfonic acid salts of streptothricin and streptomycin. 2,462,175, Feb. 22.
- Folkers, Karl, Plainfield, and F. R. Koniuszy, Roselle Park, assignors to Merck & Co., Inc., Rahway, N. J. Alkylating phenolic hydroxyl group containing alkaloids and the resulting products. 2,472,411, June 7.
- Folkins, Hillis O.: *See*—
Thacker, Carlisle M., and Folkins.
- Folkman, Marvin L., Shaker Heights, Ohio. Syringe and ampoule. 2,459,875, Jan. 25.
- Follansbee, Lewis A., assignee: *See*—
Ryles, James A.
- Follett, Roy C.: *See*—
Munson, Alexander L., and Follett.
- Folli, Arthur J., Chicago, Ill. Electric clothes drier. 2,461,318, Feb. 8.
- Follin, Cornelius M., La Mesa, Calif. Ice cube tray. 2,469,067, May 3.
- Follis, Evan C., Lyons, Kans. Surgical brace. 2,477,591, Aug. 2.
- Follmer, Alvin C., Mercer Island, Wash. Locking plug and jack. 2,480,843, Sept. 6.
- Follo, Salvatore J., East Haven, assignor to The Mel Products Company, New Haven, Conn. Diversion fitting for hot-water heating systems. 2,486,141, Oct. 25.
- Folmsbee, Clyde H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Dual safety valve. 2,489,216, Nov. 22.
- Folse, Julius A.: *See*—
Skinner, Leslie A., and Folse.
- Folse, Julius A., Miami, Fla. Pressure gauge. 2,467,375, Apr. 19.
- Folsom, Leon T.: *See*—
Levine, Irving E., and Folsom.
- Folsom, Stanley R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control apparatus. 2,476,851, July 19.
- Folsome, Clair E., Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. Therapeutic composition of sulfonamides. 2,491,489, Dec. 20.
- Folsome, Clair E., Plainfield, N. J., assignor to Ortho Pharmaceutical Corporation. Therapeutic sulfonamide compositions. 2,491,490, Dec. 20.
- Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Interpolymers of vinylidene halides, dialkyl esters of maleic acid, and vinyl esters and making same. 2,460,573, Feb. 1.
- Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of chloroethylene compounds in aqueous emulsion in the presence of amino-alcohols. 2,485,270, Oct. 18.
- Folz, John M., Borger, Tex., assignor to Phillips Petroleum Company. Method and apparatus for testing corrosion. 2,484,279, Oct. 11.
- Folzenlogen, Robert G.: *See*—
Lange, Willy, and Folzenlogen.
- Fonda, Douglass C., Stamford, Conn. Marking tungsten carbide. 2,492,214, Dec. 27.
- Foner, Newton F., Pittsburgh, Pa. Snow bike. 2,466,222, Apr. 5.
- Fong, Bennie T., Lodi, Calif. Fish pole holding device. 2,466,801, Apr. 12.
- Fong, Bennie T., Lodi, Calif. Fish fly making vise and holder. 2,486,142, Oct. 25.
- Fons, Silas C., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Towing vehicle coupling mechanism. 2,491,963, Dec. 20.
- Fontaine, Athanas P., assignor to Bendix Aviation Corporation, Detroit, Mich. Automatic flap retractor. 2,473,792, Dec. 21.
- Fontaine, Jack, Cleveland, assignor of thirty-two one-half one-hundredths to L. Rapaport, Shaker Heights, Ohio. Cable stitch knitting. 2,461,204, Feb. 8.
- Fontaine, Julian F., Detroit, Mich. Tie clasp. 2,462,483, Feb. 22.
- Fontaine, Robert A., Martinsville, Va. Brick grab. 2,491,805, Dec. 20.
- Fontana, Celeste M., and E. Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of oxygen. 2,490,587, Dec. 6.
- Fontana, Frank J., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Apparatus for gas-solid contacting operations. 2,474,834, July 5.
- Foo, Lee S., Manchester, N. H. Baby bottle holder. 2,470,694, May 17.
- Food Machinery and Chemical Corporation, assignee: *See*—
Aitchison, Adam G.
Allison, Rufus K.
Balduf, Bruno E.
Bordenca, Carl, and Lazier.
Botelho, Frank L.
Boyce, John.
Carrigan, Tracy, Holmes, and Shoemaker.
Coons, Burton C.
Hafford, Bradford C., and Parsons.
Hait, James M.
Holmes, Herbert G.
Keesling, Thomas B.
Kerr, Charles E.
Krueger, Frank W.
Low, Frank S.
Mumma, Harold J.
Porch, Howard L.
Seaton, Max Y.
Smith, Henry L., and Wood.
Smith, Marion C.
Stilwell, Glenn E.
Thompson, Albert R.
Van Vleck, Forest A.
Wade, John B.
Wilbur, Paul C.
- Food Machinery Corporation, assignee: *See*—
Johnson, Alfred C.
- Foote-Burt Company, The, assignee: *See*—
Schiltz, Bernard P.
- Foote, Daniel J.: *See*—
Soref, Harry E., and Foote.
- Foote, James, Plattsburg, assignor to B. F. D. Company, New York, N. Y. Packaging. 2,458,844, Jan. 11.
- Forbender, Elmer K., assignor to Boyppower, Inc., Los Angeles, Calif. Wheeled carrier. 2,473,873, June 21.
- Forbes, Allan D.: *See*—
Hodnette, John K., and Forbes.
- Forbes, Allan D., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Distribution transformer for banking service. 2,476,139, July 12.
- Forbes, Allan D., and W. A. Siefert, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric induction apparatus. 2,479,334, Aug. 16.
- Forbes, Charles J., Terre Haute, Ind. Straddle link connector. 2,458,935, Jan. 11.
- Forbes, Charles J., Terre Haute, Ind. Wire lock, cutter chain structure. 2,476,852, July 19.
- Forbes Lithograph Manufacturing Company, assignee: *See*—
Larkin, James L.
- Force, Jonathan, Cleveland Heights, Ohio, assignor to General Electric Company. Starting strip for electric discharge devices. 2,491,854, Dec. 20.
- Forcum, Walter E., St. Louis, Mo. Pressure relieving and ventilating attachment for automobile bodies. 2,466,403, Apr. 5.
- Ford, Alfred, Chicago, Ill., assignor to Superior Pipe Specialties Co. Loader attachment for tractors. 2,489,629, Nov. 29.
- Ford, Eugene A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Sorter pocket and chute blade construction. 2,461,418, Feb. 8.
- Ford, Eugene A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Card feeding mechanism for accounting machines. 2,464,569, Mar. 15.
- Ford, Eugene A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Machine for sorting record cards. 2,472,890, June 14.
- Ford, Florence M., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Flameproofing of fibrous material. 2,482,755, Sept. 27.
- Ford, Florence M., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Flameproofing of fibrous materials. 2,482,756, Sept. 27.
- Ford, Frank R., Birmingham, England. Master sheet change mechanism for duplicating machines. 2,482,408, Sept. 20.
- Ford, Frank R., Sparkbrook, Birmingham, England. Moisture control means for duplicating machines. 2,491,368, Dec. 13.
- Ford, Frank R., Sparkbrook, Birmingham, England. Line printing device for duplicating machines. 2,491,369, Dec. 13.
- Ford, Frederick L.: *See*—
Bernart, William F., Jr., Rouan, Ford, and Thatcher.
Ford, George E., Brighton, N. Y. Indicating instrument with magnetic drive. 2,473,581, June 21.
Ford, Hannibal C., Jamaica, N. Y., assignor to The Sperry Corporation. Apparatus for determining ordnance parallax correctional factors. 2,466,093, Apr. 5.
Ford, Harry D.: *See*—
Vennerhelm, Gosta, Ford, and Young.
- Ford, Henry, Dearborn, and E. Nador, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Stabilizer. 2,472,291, June 7.
- Ford, James G., Sharon, and F. J. Nagel, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making magnetic cores. 2,484,214, Oct. 11.

- Ford, James G., Sharon, C. C. Horstman, and J. H. Bramble, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core structure. 2,488,391, Nov. 15.
- Ford, James L., Chicago, Ill. Dip pot for holding molten solder. 2,460,685, Feb. 1.
- Ford, Jared H.: *See*—
Eck, Howard W.
- Ford, John L., assignor to The Ford Meter Box Company, Inc., Wabash, Ind. Meter mounting. Re. 23,091, Mar. 15.
- Ford Meter Box Company, Inc., The, assignee: *See*—
Ford, John L.
Ford, Wilbur E.
- Ford Motor Company, assignee: *See*—
Bobek, William J., and Wohlfield.
Brock, Harold L., and Kramer.
Copeland, Paul B., and Morris.
Cromwell, Herbert F., and McCool.
Diamond, Holton W., and Smith.
Duoziński, Clarence A.
Eckert, Adolph F.
Farmer, Roy E.
Ford, Henry, and Nador.
Groven, Frederick J.
Hibbard, Thomas L., and Jovanovich.
Jovanovich, Milton.
Kohr, Robert F.
Kramer, Clarence F., and Cromwell.
Pioch, William F.
Rivard, Lawrence B., and Dickason.
Rivard, Lawrence B., and McCarthy.
Roberts, Albert O.
Roeder, Dale, and Brock.
Roeder, Dale, and McClenahan.
Rowland, George D., and Morris.
Sorensen, Charles E., and Miller.
Stephenson, Thomas W., and Bugbee.
Stephenson, Thomas W., and Kramer.
Stevens, Claud L., and Moody.
Vennerholm, Gosta, Ford, and Young.
Zoerlein, Emil.
- Ford, Perry T., Columbus, Ohio. Apparatus for drying and heating mineral aggregates. 2,492,792, Dec. 27.
- Ford Roofing Products Company, assignee: *See*—
O'Reilly, Martin G.
- Ford, Shelley W., assignor of one-half to J. F. Gazel, Dayton, Ohio. Automobile body construction. 2,469,068, May 3.
- Ford, Thomas A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinylidene fluorine with ethylene and halogenated ethylenes. 2,468,054, Apr. 26.
- Ford, Thomas B., Jr., Fair Haven, N. J. Pressure reducing valve. 2,469,719, May 10.
- Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Making lightweight cellular materials. 2,485,724, Oct. 25.
- Ford, Wilbur E., assignor to The Ford Meter Box Company, Inc., Wabash, Ind. Meter setter. 2,461,888, Feb. 15.
- Ford, William R., Drumright, Okla. Child's swing. 2,465,441, Mar. 29.
- Fordon, Lee A., assignee: *See*—
Ulrich, Fred J.
- Fordyce, Charles R., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose esters. 2,478,383, Aug. 9.
- Fore, William L.: *See*—
Boudreaux, Lloyd E., and Fore.
- Foreman, William, executor: *See*—
Kuff, Fred E.
- Foremost Dairies, Inc., assignee: *See*—
Maxson, William L.
- Forgett, Valmore J., Ridgefield, N. J. Apparatus for developing photographic paper strips. 2,461,419, Feb. 8.
- Forgue, Stanley V., Cranbury, N. J., assignor to Radio Corporation of America. Multiplier unit and supporting means. 2,460,381, Feb. 1.
- Forgue, Stanley V., Cranbury, N. J., assignor to Radio Corporation of America. High capacitance target. 2,489,127, Nov. 22.
- Forkner, Ewell W., Cincinnati, Ohio. Portable welder. 2,471,029, May 24.
- Forlano, Frank A., Springfield, Mo. Marine propulsion and steering device. 2,467,022, Apr. 12.
- Forma, Jerome L., H. A. Johnson, and R. E. Jacobson, Minneapolis, Minn. Combination lock. 2,481,099, Sept. 6.
- Forman, George W., Kansas City, Mo., assignor to United Aircraft Corporation, East Hartford, Conn. Low-pitch removable mechanical stop. 2,477,868, Aug. 2.
- Forman, Julius M., Brooklyn, N. Y., G. R. Forman, administrator of said J. M. Forman, deceased. Combination dispensing and bulk reducing device. 2,478,815, Aug. 9.
- Forman, Robert, administrator: *See*—
Forman, Julius M.
- Formanek, Joseph E., Britt, Iowa. Fire alarm switch. 2,488,281, Nov. 15.
- Formhals, William H.: *See*—
Ludwig, Leon R., and Formhals.
- Formhals, William H., and J. H. Penney, Buffalo, N. Y., assignors, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double-end-ventilated motor. 2,457,994, Jan. 4.
- Fornas, Emil, Ashtabula, Ohio. Casting and fishing mechanism. 2,479,484, Aug. 16.
- Forney, Jim C., Chilton, Tex. Knee sled. 2,480,406, Aug. 30.
- Forney, William E., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Soap manufacture. 2,480,564, Aug. 30.
- Forni, George P., Emeryville, Calif. Rotary drier. 2,468,871, May 3.
- Forrest, George H., assignee: *See*—
Simons, Karl L.
- Forrest, John W., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Prism system for refractometer of the Abbé-type. 2,474,044, June 21.
- Forrester, Robert A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of catalyst impurities from regenerated catalyst. 2,488,718, Nov. 22.
- Forsberg, Arthur W.: *See*—
Krauer, Otto, and Forsberg.
- Forsberg, Axel A., Stockholm, Sweden, assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 2,492,627, Dec. 27.
- Forsbergh, Peter W., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Cathode structure for magnetrons. 2,463,372, Mar. 1.
- Forse, Harry D., Anderson, Ind. Flatwork ironer. 2,460,496, Feb. 1.
- Forse, Harry D., Anderson, Ind. Pressing shirts. 2,464,857, Mar. 22.
- Forse, Harry D., Anderson, Ind. Collar clamping apparatus. 2,469,226, May 3.
- Forse, Harry D., Anderson, Ind. Pressing machine head control. 2,472,656, June 7.
- Forseth, Glenn J., Spring Valley, Wis., assignor to Phillips Petroleum Company. Conversion of hydrocarbons. 2,487,324, Nov. 8.
- Forsman, Einar I., Stockholm, Sweden. Adjustable tool-holding device. 2,488,282, Nov. 15.
- Forsling, Bengt E. G.: *See*—
Graham, Douglas H., Forsling, and Tabberer.
- Forssell, Adam E., Chico, Calif. Backup light switch. 2,458,154, Jan. 4.
- Forssmark, Boo H., and L. M. Headley, assignors to The Federal Machine and Welder Company, Warren, Ohio. Welding machine. 2,486,592, Nov. 1.
- Forst, Albert C., Alameda, Calif. Manometer. 2,475,602, July 12.
- Forst, Carl, Linneus, Mo. Automatic hog ringer. 2,485,874, Oct. 25.
- Forster, Frank T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Explosion-proof vent plug for storage batteries. 2,491,370, Dec. 13.
- Forster, John O., Long Island City, and E. M. Lang, Jamaica, N. Y., assignors to Heli-Coil Corporation. Making edged tool blades. 2,467,302, Apr. 12.
- Forster, Joseph E., Oakland, Calif. Portable fire escape. 2,462,626, Feb. 22.
- Forster, Percy: *See*—
Bulgari, Luis and de Olariaga.
- Forster, Warren S.: *See*—
Lecher, Hans Z., and Forster.
Lecher, Hans Z., Scalera, Joyce, and Forster.
Lecher, Hans Z., Scalera, and Forster.
Scalera, Mario, and Forster.
- Forster, William H.: *See*—
Boothroyd, Wilson P., and Forster.
- Forstrom, Edward W.: *See*—
Peterson, Eric O., and Forstrom.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Power plant assembly. 2,470,155, May 17.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Propulsion means for aircraft and the like. 2,474,143, June 21.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Electrically and power operated pitch changing mechanism. 2,474,144, June 21.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Electrical equipment on aircraft. 2,488,392, Nov. 15.
- Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Electrical equipment on aircraft. 2,491,172, Dec. 13.
- Forsythe, James A.: *See*—
Forsythe, William M., and J. A.
- Forsythe, Paul E., Seattle, Wash., assignor, by mesne assignments, to Reconstruction Finance Corporation. Hydraulic steering gear. 2,479,063, Aug. 16.
- Forsythe, William M., and J. A. Forsythe, Dubach, La. Rope clamp. 2,461,205, Feb. 8.
- Fort Hill Engraving Company, assignee: *See*—
Ekstrom, Earl A.
- Fort Howard Paper Company, assignee: *See*—
Agamalte, Edward, Jr.
Sobota, John.

- Fort, Robert W., Colby, Kans. Seed harvester. 2,481,652, Sept. 13.
- Fort Wayne Tool, Die and Engineering Company, assignee: *See*—
- Nill, Richard G.
- Forter, Samuel A.: *See*—
- Snyder, Harold H., and Forter.
- Fortescue, Peter, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Speed responsive control system. 2,492,472, Dec. 27.
- Fortier, Jules B.: *See*—
- Benner, Mart T., and Fortier.
- Fortin, Joseph A., Lewiston, Idaho. Hand truck. 2,476,539, July 19.
- Fortino, Frank A., Newark, N. J. Soap dabber. 2,461,319, Feb. 8.
- Fortunato, Vincent, Brooklyn, N. Y., assignor to Morris Paper Mills, Chicago, Ill. Carrier for bottles or like articles. 2,491,039, Dec. 13.
- Fortune, Robert, Flint, Mich. Feeler holder. 2,463,760, Mar. 8.
- Forwald, Haakon, Valhalla, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Operating device for the disconnecting switch arms of electric circuit breakers. 2,490,624, Dec. 6.
- Forward, Herbert: *See*—
- Johnson, W. Geden, and Forward.
- Fosnaess, Georg, Gulsrud, Norway. Briquette for lighting fires. 2,477,174, July 26.
- Foss, George W., assignee: *See*—
- Pietz, Ervin.
- Fossa, Joseph, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gripper mechanism. 2,472,816, June 14.
- Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and manufacture of shoes. 2,461,889, Feb. 15.
- Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,474,307, June 28.
- Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for lasting with an adhesive. 2,476,290, July 19.
- Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,476,970, July 26.
- Fossa, Joseph, Salem, and L. N. Isaacson, Brookline, Mass.: said Fossa assignor to United Shoe Machinery Corporation, Flemington, N. J.; Esther B. Isaacson, administratrix of said Leo N. Isaacson, deceased. Edge treating machine. 2,466,802, Apr. 12.
- Foster, Allen T., Chicago, Ill., assignor to Electric Soldering Iron Co., Inc., Deep River, Conn. Adjustable soldering iron. 2,459,371, Jan. 18.
- Foster, Allen T., Chicago, Ill. Cooking apparatus. 2,469,595, May 10.
- Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Ironing board pad. 2,481,833, Sept. 13.
- Foster, Claud: *See*—
- French, James W., and Foster.
- Foster, David B.: *See*—
- Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.
- Foster & Davies, Inc., assignee: *See*—
- Schwartz, Frederick, Lewis and Feldman.
- Foster, Edward A., Hayward, assignor to Yuba Manufacturing Company, San Francisco, Calif. Sand wheel. 2,489,630, Nov. 29.
- Foster, Edwin E., Austin, Tex. Clutch actuator and adjuster. 2,458,364, Jan. 4.
- Foster, Edwin E., Austin, Tex. Retractable landing gear. 2,461,595, Feb. 15.
- Foster, Edwin E., Austin, Tex. Pressure applying mechanism for pressing and ironing machines. 2,476,363, July 19.
- Foster, Frank A., Melrose Park, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate casting box. 2,461,151, Feb. 8.
- Foster, Gordon S., and G. W. Terp, Jr., Chicago, Ill., assignors to Fletcher Woks, Inc., Philadelphia, Pa. Centrifugal drier and plow therefor. 2,467,023, Apr. 12.
- Foster, Harry D., Washington, D. C., assignor to North American Cement Corporation, Catskill, N. Y. Producing light weight aggregates. 2,478,757, Aug. 9.
- Foster, Hazel R., Los Angeles, Calif. Fingertip applicator. 2,492,278, Dec. 27.
- Foster, Hoyt K., Hollis, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Pressure cooker. 2,468,259, Apr. 26.
- Foster, Jackson W., Austin, Tex., assignor to Merck & Co., Inc., Rahway, N. J. Fermentation. 2,458,495, Jan. 11.
- Foster, John, Denton, assignor to B. & S. Massey Limited, Openshaw, Manchester, England. Axially engaging multiple disk clutch. 2,481,834, Sept. 13.
- Foster, John, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic valve. 2,462,082, Feb. 22.
- Foster, John W., Ridgewood, N. J., assignor to Tingle, Brown & Co., New York, N. Y. Protective assembly for flatwork ironer rolls. 2,460,343, Feb. 1.
- Foster, Julius: *See*—
- Flickinger, Earl D., and Foster.
- Foster and Kleiser Company, assignee: *See*—
- Warde, Walter T.
- Foster Machine Company, assignee: *See*—
- Cotchett, Louis M.
- Foster-Milburn Company, assignee: *See*—
- Oclassen, Charles A.
- Foster, Milton E., Los Angeles, Calif. Trailer truck and tilt bed therefor. 2,487,325, Nov. 8.
- Foster, Newton C., McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resinous compositions and use thereof in forming electrical members and laminated products. 2,482,086, Sept. 20.
- Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polymerization of styrene and mono-allyl maleate. 2,482,087, Sept. 20.
- Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic resin compositions. 2,484,215, Oct. 11.
- Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic resins comprising copolymers of unsaturated metal esters with liquid polymerizable monomers. 2,484,216, Oct. 11.
- Foster, Newton C., and L. R. Hill, Wilkinsburg, R. H. Runk, Pittsburgh, and E. L. Schulman, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulation for electrical apparatus. 2,477,791, Aug. 2.
- Foster, Ralph R., assignor, by mesne assignments, of one-half to E. T. Lake, Livingston, Mont. Quick detachable telescope sight mount. 2,475,383, July 5.
- Foster, Ray E., Craig, Colo. Device for winding fish poles. 2,486,739, Nov. 1.
- Foster, Reginald T., Birkenhead, England, assignor to Imperial Chemical Industries Limited. Manufacture of chloro cresoxy acetic acid. 2,485,146, Oct. 13.
- Foster, Roy E., Centralia, Wash. Mount for portable chain saws. 2,463,860, Mar. 8.
- Foster, Shubel A., Pleasant Ridge, Mich. Grinding gauge for out-of-round pistons. 2,464,387, Mar. 15.
- Foster, Theodore: *See*—
- Bickel, Clifford A., Brandenburg, and Foster.
- Foster, Thomas W. F., Temple City, assignor to The Permanente Metals Corporation, Oakland, Calif. Skimming device. 2,461,112, Feb. 8.
- Foster, Uri D., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Air-operated press. 2,482,539, Sept. 20.
- Foster, Warren D., Eustis, Fla. Film handling apparatus and magazine for use therewith. 2,462,083, Feb. 22.
- Foster Wheeler Corporation, assignee: *See*—
- Bayard, Julius H.
- Bragg, Leslie B., Schwarzer, and Brown.
- Frisch, Martin, and Blizard.
- Hirsch, Joel H., and Cody.
- Rover, Richard H.
- Foster, Word D., assignee: *See*—
- Algier, Allen P.
- Fostoria Glass Company, assignee: *See*—
- Heintze, Walter T.
- Fouch, Herschel L., and R. S. Yorty, assignor to Reliance Manufacturing Company, Chicago, Ill. Manufacturing garments. 2,479,609, Aug. 23.
- Fouchaux, Julien E., North Haledon, N. J., and M. Ingram, Brooklyn, assignors to Pilot Marine Corporation, New York, N. Y. Multiple-station ship's signaling system. 2,478,689, Aug. 9.
- Foulds, Andrew K., Grosse Pointe, assignor to Detroit Lubricator Company, Detroit, Mich. Cover locking and actuating means for fluid control devices. 2,488,770, Nov. 22.
- Foulds, John P., Revere, Mass., assignor to General Electric Company. Lamp changer. 2,465,795, Mar. 29.
- Foulds, Robinson P., and W. H. Roscoe, assignors to Tootal Broadhurst Lee Company Limited, Manchester, England. Concentrating solutions of synthetic linear polyamides. 2,489,569, Nov. 29.
- Foulds, William Geoffrey, Colne, England. Fast and slow speed driving means for electric lifts. 2,466,167, Apr. 5.
- Foulke, Edgar J., Bristol, assignor to Tri-Clover Machine Co., Kenosha, Wis. Vise. 2,489,369, Nov. 29.
- Foulke, Louise M. J., Brooklyn, N. Y. Toy horse. 2,472,797, June 14.
- Foulke, Miller R., Brooklyn, N. Y. Wheeled sled—a summer sled. 2,467,932, Apr. 19.
- Foulke, Ted E., Lyndhurst, Ohio. Table attachment for beverage containers. 2,471,030, May 24.
- Foulkes, Christopher H.: *See*—
- Fremlin, John H., and Foulkes.
- Foulkes, Christopher H., assignor to Standard Telephones and Cables Limited, London, England. Mounting of filaments in vacuum tubes. 2,462,084, Feb. 22.
- Foulkes, Christopher H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Mounting arrangement for electron discharge devices. 2,465,365, Mar. 29.
- Found, Clifton G., and W. J. Winniford, Cleveland Heights, Ohio, assignors to General Electric Company. Low-pressure electric discharge device. 2,473,642, June 21.

- Foundry Services Limited, assignee: *See*—Strauss, Kossy.
- Fountain, Roy E.: *See*—Dutton, George I., and Fountain.
- Fouquet, Eugene, Bois Colombes, France; vested in the Attorney General of the United States. Grinding machine. 2,489,453, Nov. 29.
- Fourness, Charles A., Appleton, Wis., assignor to International Cellulocotton Products Company. Sanitary napkin. 2,464,640, Mar. 15.
- Fourness, Charles A., Appleton, Wis., assignor to International Cellulocotton Products Company. Tampon applicator. 2,478,576, Aug. 9.
- Fournier, George E., West Hartford, Conn. Play pen. 2,490,296, Dec. 6.
- Fournier, Joseph D., Detroit, Mich. High-precision caliper. 2,468,362, Apr. 26.
- Fouse, Charles N., and W. H. A. Krieg, assignors to Kralinator Products Limited, Preston, Ontario, Canada. Crankcase ventilator valve. 2,461,206, Feb. 8.
- Fouse, Frederick Z.: *See*—McNamara, William L., and Fouse.
- Foust, Floyd J., O. W. Childress, Jr., and R. C. Whelchel, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition timer testing apparatus. 2,484,560, Oct. 11.
- Foust, John L., Madison, Wis. Exposure meter having object and comparison gray scale means. 2,491,654, Dec. 20.
- Fowler, Bert F., Vero Beach, Calif., assignor to The Studebaker Corporation, South Bend, Ind. Peening apparatus. 2,489,877, Nov. 29.
- Fowler, Curtis, Chula Vista, Calif. Swivel trotline staging snap. 2,466,939, Apr. 12.
- Fowler, George B., assignee, trustee: *See*—Toews, Gustav P.
- Fowler, Harlan D., Whittier, Calif. Express container type cargo airplane. 2,476,538, July 19.
- Fowler, Harry, Trenton, N. J. Refrigerated storage cabinet. 2,480,640, Aug. 30.
- Fowler, Herman J., Chicago, Ill. Automatic signal and reminder. 2,482,615, Sept. 20.
- Fowler, James M., La Porte, assignor to W-K-M Company, Inc., Houston, Tex. Through conduit gate valve. 2,482,409, Sept. 20.
- Fowler, John, Stockport, England, assignor, by mesne assignments, to General Electric Company. Electric switch. 2,473,992, June 21.
- Fowler, Kenneth R., Warren, Pa. Venturi vise. 2,475,384, July 5.
- Fowler, Kenneth R., Warren, Pa. Ammunition for recoilless weapons. 2,492,279, Dec. 27.
- Fowler, Leo C., Jackson Heights, N. Y. Collapsible clothes hanger. 2,475,831, July 12.
- Fowler, Le Roy J., St. Louis, Mo. Dispatch carrier with portable stand for order delivery to fast trains. 2,492,854, Dec. 27.
- Fowler, Lewis J., Dumon, N. J. Tape hook. 2,466,405, Apr. 6.
- Fowler, Ralph L., Alhambra, Calif. Liquid and gas separator. 2,489,370, Nov. 29.
- Fowler, Robert M., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Separation of columbium and tantalum. 2,481,584, Sept. 13.
- Fowler, Roland G., Newfield, O. F. Larsen, and N. R. Friberg, Ithaca, N. Y., assignors, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,476,853, July 19.
- Fowler, Roy E., assignor of one-half to G. H. Johnson, Watkinsville, Ga. Swinging closure locking device. 2,478,816, Aug. 9.
- Fowler, Roy H., Beaver Falls, Pa. Motor vehicle cover. 2,469,958, May 10.
- Fowler, William F., Jr.: *See*—Kenyon, William O., and Fowler, Jr.
- Fowler, William F., Jr., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl carbamates. 2,466,404, Apr. 5.
- Fowlkes, George V., Tulsa, Okla. Stop toe for roller skates. 2,485,747, Oct. 18.
- Fox, Alan J., Miami Beach, Fla. Garment fastener. 2,482,846, Sept. 27.
- Fox, Arthur G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Conformal grating resonant cavity. 2,476,034, July 12.
- Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Phthalocyanine sulfonamidopyridines. 2,459,771, Jan. 18.
- Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Adhesive composition. 2,481,100, Sept. 6.
- Fox, Arthur L., and H. L. Sanders, Easton, Pa., and R. T. Olsen, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Thermosetting polyarylbisguanide formaldehyde resins. 2,492,855, Dec. 27.
- Fox, Cecil M., Toledo, Ohio, assignor, by mesne assignments, to E. Berg, New York, N. Y. Cigarette lighter. 2,461,890, Feb. 15.
- Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Repeater fuse switch. 2,464,299, Mar. 15.
- Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical cut-out. 2,486,143, Oct. 25.
- Fox, Denys A.: *See*—Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Fox, Filbert G., Doylestown, Pa. Nonskid tire chain. 2,462,378, Feb. 22.
- Fox, Francis A., Swinton, and E. F. Emley, Salford, Manchester, assignors to Magnesium Elektron Limited, London, England. Welding flux. 2,464,925, Mar. 22.
- Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Skip hoist control. 2,462,484, Feb. 22.
- Fox, Henry, New York, N. Y. Card table cover for canasta games. 2,491,894, Dec. 20.
- Fox, Herman H., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Arsono compounds and preparation. 2,465,307, Mar. 22.
- Fox, Herman H., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Arsenoso compounds and preparation. 2,465,308, Mar. 22.
- Fox, Herman, and J. W. Kneisley, New Brunswick, N. J., assignors to Hercules Powder Company, Wilmington, Del. Cellulose acetate product and treating cellulose acetate. 2,489,128, Nov. 22.
- Fox, Hermann, Berlin-Frohnau, P. Diedrich, Finkenkrug (Osthavelland) near Berlin, and M. Dohrn, Berlin-Charlottenburg, Germany, assignors to Schering Corporation, Bloomfield, N. J. Derivatives of sulfonic acid amides and preparing the same. 2,476,655, July 19.
- Fox, Jacob R.: *See*—McLean, Daniel C., Morrow, and Fox.
- Fox, John L., assignor of one-half to M. P. De Felice, Port Vue, Pa. Food cutter with swinging knife and automatic screw feed. 2,479,676, Aug. 23.
- Fox, Kenneth H., Red Bank, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dynamotor. 2,458,507, Jan. 11.
- Fox, Kenneth H., Red Bank, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dynamoelectric machine. 2,480,844, Sept. 6.
- Fox, Leonard, Buffalo, and R. Resnick, New York, N. Y. Electrically heated dental spatula. 2,468,818, May 3.
- Fox, Martin, Chicago, Ill., assignor to The Seng Company. Resilient mounting means for tilting chairs. 2,463,257, Mar. 1.
- Fox, Martin, Chicago, Ill., assignor to The Seng Company. Hub member for swivel chairs. 2,464,300, Mar. 15.
- Fox, Martin, Chicago, Ill., assignor to The Seng Company. Convertible studio bed. 2,465,863, Mar. 29.
- Fox, Raymond S., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Air gauge. 2,471,737, May 31.
- Fox, Roy C., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timing mixer. 2,479,335, Aug. 16.
- Fox, Roy C., and T. N. Massey, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Socket. 2,459,272, Jan. 18.
- Fox West Coast Theatres Corporation, assignee: *See*—McCullough, Russell H.
- Fox, William C., Philadelphia, Pa. Double walled pressure cooker. 2,485,581, Oct. 25.
- Fox, William P., Columbia, S. C. Pressing iron and stand. 2,461,264, Feb. 8.
- Foxboro Company, The, assignee: *See*—Allen, Albert.
Bilveu, Gerald I.
Bowditch, Hoel L.
Bradner, Mead, and Allen.
Ciley, Putnam.
Howe, Wilfred H.
Mason, Clession E.
- Foye, Allen B., West Bridgewater, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Lining container closures. 2,489,407, Nov. 29.
- Fr. Sauter A. G. Fabrikelekt. Apparate, assignee: *See*—Grossen, Walter.
- Frade, Peter N., assignor to C. E. Phillips & Company, Detroit, Mich. Arc welding tool. 2,466,886, Apr. 12.
- Fraenkel-Conrat, Heinz L., and H. S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of isocyanate derivatives of proteins. 2,460,980, Feb. 8.
- Fraser, Max, and Hyman Iserson, Philadelphia, Pa. Electrolytic removal of resin from metal. 2,480,845, Sept. 6.
- Fragola, Caesar F., Brooklyn, and R. V. Craddock, Williston Park, N. Y., assignors to The Sperry Corporation. Gyro flux valve compass system. 2,473,516, June 21.
- Frair, Paul N., Seattle, Wash. Transparent fishing bait holder and protector. 2,467,971, Apr. 19.
- Fralin, Albert L., Miami, Fla. Antiroosting device. 2,485,148, Oct. 18.
- Fram Corporation, assignee: *See*—Aldham, Thomas E.
Gunn, Earl G.
Robertson, Edward R.
Rohland, Curt J.
Fram, David: *See*—Holschuh, Carl G., and Fram.

- Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Wheel lifting linkage for pallet trucks. 2,469,638, May 10.
- France, Wesley G.: *See*—
MacPherson, Donald R., France, and Ernsberger.
- Franchi, Aldo M., assignor of one-half to J. T. Murphy, New York, N. Y. Aircraft landing gear construction. 2,464,972, Mar. 22.
- Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Separation of olefins. 2,463,482, Mar. 1.
- Francis, Andrew J., Jr., Rockford, assignor by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill. Marker. 2,467,083, Apr. 12.
- Francis, Andrew J., Jr., assignor, by mesne assignments, to William C. Canterbury, Rockford, Ill. Magnetically operated tool. 2,467,376, Apr. 19.
- Francis, Carleton S., Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Feltlike products. 2,459,803, Jan. 25.
- Francis, Carleton S., Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Shaped felted structures. 2,459,804, Jan. 25.
- Francis, Carleton S., Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Making a fibrous product. 2,483,404, Oct. 4.
- Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Wilmington, Del. Textile fibrous product. 2,464,301, Mar. 15.
- Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Fibrous products and textiles produced therewith. 2,483,405, Oct. 4.
- Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Philadelphia, Pa. Process and apparatus for producing fibrous materials. 2,483,406, Oct. 4.
- Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Coated elastic fabric. 2,485,725, Oct. 25.
- Francis, Daniel R., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Blank-holder press for forming workpieces. 2,479,336, Aug. 16.
- Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Company. Feeding apparatus. 2,481,101, Sept. 6.
- Francis, Harold E.: *See*—
Le Brasse, Gordon J., and Francis.
- Francis, John: *See*—
Fishburn, Arthur G., Hendry, and Francis.
- Francis, John G., Chicago, Ill. Coffee brewer filter. 2,480,232, Aug. 30.
- Francis, John H., Vista, Calif. Fountain comb. 2,470,024, May 10.
- Francis, Kenneth G., Bay City, assignor to The Dow Chemical Company, Midland, Mich. Manufacture of crystalline vinylidene chloride polymer tubing whose walls do not cohere. 2,476,140, July 12.
- Francis, Kenneth L., Denver, Colo. Fluorescent lamp fixture. 2,466,223, Apr. 5.
- Francis, Oliver T., Renville, Minn. Electronic counter duration indicator. 2,478,911, Aug. 16.
- Francis, Victor E.: *See*—
Bregl, Benjamin F., and Francis.
- Francis, Victor J., Wembley, England, assignor to General Electric Company. Electrode construction. 2,460,738, Feb. 1.
- Francis, Victor J., Wembley, England, assignor to General Electric Company. Electrode construction. 2,460,739, Feb. 1.
- Francis, Victor J., Aylesbury, and E. H. Nelson, Harrow Weald, England, assignors to General Electric Company. High-pressure mercury vapor lamp. 2,459,516, Jan. 18.
- Francis, Walter C.: *See*—
Noble, Wiley B., and Francis.
- Francis, Willard A., Sr., Bowerston, Ohio. Derailer bridge for railway track systems. 2,458,903, Jan. 11.
- Francisco, William H.: *See*—
Hill, Henry C., and Francisco.
- Francisco, William H., Jr., Bloomfield, N. J., E. C. Steiner, Dallas, Tex., and H. C. Hill, Pasadena, Calif., assignors to Wright Aeronautical Corporation. Pipe connection. 2,460,981, Feb. 8.
- Frank, Clarence C., Swarthmore, and E. A. Zetterquist, Drexel Hill, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tapping arrangement for double-flow low-pressure turbine. 2,464,388, Mar. 15.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Valve means. 2,460,633, Feb. 1.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Portable tube bending tool. 2,464,800, Mar. 22.
- Frank, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Plug cock. 2,488,283, Nov. 15.
- Frank, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Street lighting luminaire and refractor therefor. 2,486,558, Nov. 1.
- Franck, Kurt, and V. S. Wince, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Surface attached lighting equipment. 2,474,308, June 28.
- Franco-Ferreira, Edgard C.: *See*—
Lambert, Albert L., and Franco-Ferreira.
- Frank, Bernard E.: *See*—
Hahn, Rea I., Spears, and Frank.
- Frank, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyhydric cyclic alcohols. 2,478,261, Aug. 9.
- Frank, Edward J.: *See*—
Muntwyler, Charles L., and Frank.
- Frank, Frederick C.: *See*—
Marisic, Milton M., Schmitt, and Frank.
- Frank, Frederick C., Barnsboro, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of monoesters of thiodiacetic acid. 2,467,303, Apr. 12.
- Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Disk brake. 2,486,144, Oct. 25.
- Frank, Frederick C., and W. H. Du Bois, assignors to Bendix Aviation Corporation, South Bend, Ind. Hydraulic system for actuating brakes. 2,466,224, Apr. 5.
- Frank, Gustav, Fort Worth, Tex. Valved piston reciprocating pump and valve. 2,475,739, July 12.
- Frank, Harlow G., Compton, Calif. Vehicle signal light switch. 2,476,487, July 19.
- Frank, Henry, Brooklyn, N. Y. Drafting pen. 2,483,764, Oct. 4.
- Frank, John R., St. Charles, and W. A. Plagenberg, Sr., Berkeley City, Mo., and E. B. McCarty, Alton, Ill. Cable connector. 2,481,303, Sept. 6.
- Frank, Louis, New York, N. Y. Self-cleaning stopper. 2,479,485, Aug. 16.
- Frank, Marian, executrix: *See*—
Franke, Kenneth S.
- Frank, Mark H., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Crankshaft lubrication. 2,489,527, Nov. 29.
- Frank, Monte, Chicago, Ill. Cable holder and gauge. 2,460,001, Jan. 25.
- Frank, Raymond W.: *See*—
MacNeille, Martin B., and Frank.
- Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Protective device for use with enclosed bus bar distribution systems. 2,458,583, Jan. 11.
- Franke, Karl J., Linden, N. J. Portable machine for applying a short length of tacky adhesive tape. 2,468,619, Apr. 26.
- Franke, Kenneth S., Woodside, Long Island, N. Y.; M. Frank, executrix, of said K. S. Franke, deceased. Magic trick. 2,458,488, Jan. 4.
- Franke, Roland C., Mullen, Nebr. Oiler and lubricating device. 2,465,623, Mar. 29.
- Frankel, Leo, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee. Film splicer. 2,458,995, Jan. 4.
- Frankel, Sidney, Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency modulation system. 2,462,852, Mar. 1.
- Frankel, Sidney, Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,480,126, Aug. 30.
- Frankenhoff, Charles A., Scarsdale, N. Y., assignor to Great Lakes Carbon Corporation. Clarification of water supplies. 2,468,188, Apr. 26.
- Frankenhoff, Charles A., Scarsdale, N. Y., assignor to Great Lakes Carbon Corporation. Water purifying filter aid. 2,468,189, Apr. 26.
- Frankenhoff, Charles A., Scarsdale, N. Y., assignor to Great Lakes Carbon Corporation. Calcined diatomaceous earth product. 2,470,346, May 17.
- Frankfort, Herman, Brooklyn, N. Y. Timecard calculator. 2,490,425, Dec. 6.
- Franklin, Ernest M., Kingsport, Tenn. Magazine down-draft furnace. 2,469,639, May 10.
- Franklin Institute of the State of Pennsylvania for the promotion of the Mechanic Arts, The, assignee: *See*—
Sharpe, John S.
- Franklin, John A. C.: *See*—
Cavers, Thomas W., Franklin, Mott, and Taylor.
- Franklin, John H., assignor to Fred Hawkes (N. V. Engineers) Limited, Rushden, England. Scouring and like roll. 2,477,243, July 26.
- Franklin Railway Supply Company, assignee: *See*—
Delano, Raymond P., Jr.
- Franklin, Ray W., Chicago, Ill. Dishwasher tub construction. 2,489,485, Nov. 29.
- Franklin Transformer Manufacturing Company, assignee: *See*—
Savidge, Clinton W.
- Franks, Allan L., Stockport, England. Block-and-tackle lifting apparatus. 2,489,022, Nov. 22.
- Franks, Clifford V.: *See*—
Shaper, Harry B., and Franks.
- Franks, David, and M. Shapiro, Washington, D. C. Watch movement holder. 2,471,103, May 24.
- Franks, David, and M. Shapiro, Washington, D. C. Watch opening tool. 2,480,565, Aug. 30.
- Frantz, Virgil L., Roanoke, Va. Manifold for sanding mechanism. 2,491,806, Dec. 20.

- Franz, Edward L., Hillsdale, assignor to Robinson Aviation, Inc., Teterboro, N. J. Safety belt for airplanes. 2,488,858, Nov. 22.
- Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading machine with rotatable turret having flexible receptacle supports and receptacle engaged valve actuators. 2,489,878, Nov. 29.
- Franz, Frederick, West Haven, Conn., assignor to The Bates Manufacturing Company, West Orange, N. J. Stapling machine. 2,459,313, Jan. 18.
- Franz, Frederick, West Haven, Conn., assignor to Dictaphone Corporation, New York, N. Y. Stylus construction and method. 2,464,032, Mar. 8.
- Franzel, Irwin H.: *See—*
Arditi, Maurice, Franzel, and Feinstein.
- Franzheim, George W., Dunkirk, N. Y. Valve. 2,484,940, Oct. 18.
- Frasci, Jean, also known as H. M. Freud, Clichy, France. Protection of metallic objects by galvanic action. 2,463,483, Mar. 1.
- Fraser, Donald F., Hillsdale, assignor to Monroe Auto Equipment Company, Monroe, Mich. Removing flash from molded articles. 2,476,540, July 19.
- Fraser, Edward S., Chicago, Ill. Parachute apparatus. 2,480,407, Aug. 30.
- Fraser, James, assignor to Speakman Company, Wilmington, Del. Mixing valve having accessible pressure equalizing means. 2,470,025, May 10.
- Fraser, James B., Fort Lauderdale, Fla. Mold for molding concrete structural units. 2,458,155, Jan. 4.
- Fraser, John W., and R. R. Mager, Detroit, Mich. Coil winding machine and method. 2,463,530, Mar. 8.
- Fraser, Kenneth G., assignee: *See—*
Stillwagon, George B., Jr.
- Fraser, Lewis H. D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Heat insulating materials and making. 2,469,379, May 10.
- Fraser, Malcolm W., assignee, trustee: *See—*
Parsons, John B.
- Fraser, Robert M., Baldwin, N. Y., assignor to Radio Corporation of America. Electronic wave generating method and means. 2,469,227, May 3.
- Fraser, Walter A.: *See—*
White, John U., and Fraser.
- Fratianne, John R., Brooklyn, N. Y. Posture protecting brassiere. 2,477,792, Aug. 2.
- Fraunfelder, George D., assignor to Easton Car & Construction Company, Easton, Pa. Tandem axle running gear for trailers or the like. 2,459,372, Jan. 18.
- Frazee, Albert C., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Underspeed motor protective system. 2,472,526, June 7.
- Frazer, Joseph H.: *See—*
Fenimore, Charles P., Kuhn, and Frazer.
- Frazer, William M., Westport, Conn. Photographer's computing device. 2,476,591, July 19.
- Frazier, Elihu E., St. Louis, Mo., assignor to The Gill-Owen Company, Litchfield, Ill. Piston ring. 2,469,959, May 10.
- Frazier, Orville Z., assignor of one-half to H. Andresen, Elkhart, Ind. Atmospheric pressure engine with lateral support for burners. 2,471,421, May 31.
- Frazier, Quentin, West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Shock absorbing means. 2,481,505, Sept. 13.
- Frazier, Richard D., Schenectady, N. Y., assignor to General Electric Company. High-frequency induction heating coil. 2,467,201, Apr. 12.
- Freas, Raymond L., Conshohocken, Pa. Aircraft drift angle indicator. 2,478,866, Aug. 9.
- Frede, Henry H., and Company, assignee: *See—*
Seymour, Raymond B., and Schroder.
- Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Automatic frequency control system. 2,458,156, Jan. 4.
- Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Low-pass filter system. 2,472,798, June 14.
- Fredendall, Gordon L., and A. C. Schroeder, Feasterville, Pa., assignors to Radio Corporation of America. Automatic frequency control system. 2,463,685, Mar. 8.
- Frederich, Ed., Inc., assignee: *See—*
Brinkoeter, Clinton C.
- Frederick, Benjamin F.: *See—*
Fitzhugh, Robert R., Frederick, and Axelrad.
- Frederick, Julian R.: *See—*
Firestone, Floyd A., and Frederick.
- Frederick, Marvin R., Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of bis (2-carboxyalkyl) sulfones. 2,485,271, Oct. 18.
- Frederickson, George H., assignee: *See—*
Brun, George C.
- Fredlin, Pierre J., Culver City, Calif. Gauge for grinding machines. 2,468,395, Apr. 26.
- Frediani, Livio: *See—*
Sarnataro, Ralph, and Frediani.
- Fredrickson, Edward A.: *See—*
Zinkl, Roy H., Fredrickson, and Turek.
- Fredrickson, Edward A., assignor to Crane Co., Chicago, Ill. Piston seal for flush valves. 2,470,925, May 24.
- Free, Albert L., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Automatic regeneration control for pulse-echo systems. 2,476,409, July 19.
- Free, Nelson, Detroit, Mich. Drafting instrument. 2,487,700, Nov. 8.
- Free Sewing Machine Co., assignee: *See—*
Ivandick, Matthew G.
- Freed, Meyer L., Ansonia, and O. A. Stocker, Derby, assignors to The Seymour Manufacturing Company, Seymour, Conn. Bright nickel plating compositions and process. 2,485,149, Oct. 18.
- Freed, Theodore F., York, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Dough-mixing machine. 2,482,256, Sept. 20.
- Freed, William V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of olefins in the presence of alkali and alkaline earth metal catalysts. 2,466,694, Apr. 12.
- Freed, William V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic intercondensation of monoolefins. 2,492,693, Dec. 27.
- Freedland, Jacob, Detroit, Mich. Shock therapy mouth guard. 2,459,273, Jan. 18.
- Freedman, Benjamin D., Winthrop, and S. Freedman, Brighton, Mass. Footpad. 2,461,047, Feb. 8.
- Freedman, Benjamin H., New York, N. Y. Ticket strip and ticket. 2,491,807, Dec. 20.
- Freedman, Doris M., New York, N. Y. Adhesion testing machine. 2,473,517, June 21.
- Freedman, Harry, New York, N. Y. Combination table and chair. 2,486,468, Nov. 1.
- Freedman, Hyman, New York, N. Y. Dental casting. 2,487,048, Nov. 8.
- Freedman, Samuel: *See—*
Freedman, Benjamin D., and Samuel.
- Freedom, Thomas C.: *See—*
Carlson, Vernon E., and Freedom.
- Freéjacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Proges et Camargue, Paris, France. Method for preparing acetonitrile. 2,468,363, Apr. 26.
- Freel, Albert E., Tallahassee, Fla. Global time indicator. 2,463,758, Mar. 8.
- Freeland, Harry D., Waynesburg, Pa. Lifting jack. 2,474,045, June 21.
- Freeland Spool & Bobbin Corp., assignee: *See—*
Markle, George B., Jr.
- Freeling, Charles T.: *See—*
Coe, Everett L., Jr., and Freeling.
- Freem Amusements, Inc., assignee: *See—*
Baker, David M.
- Freeman, Alfred, Wellingborough, England. Rack for supporting lasts during the manufacture of boots and shoes. 2,466,406, Apr. 5.
- Freeman, Andrew L., Grand Forks, N. Dak. Electric internal-combustion engine head bolt heater. 2,487,326, Nov. 8.
- Freeman, Claire M.: *See—*
Links, Julian A., and Freeman.
- Freeman, David A., Chicago, Ill., assignor to Davis Specialties, Incorporated. Protected edge perforated press plates. 2,486,740, Nov. 1.
- Freeman, Ellis, Sarasota, Fla. Means for testing color vision. 2,462,485, Feb. 22.
- Freeman, Ellis, Sarasota, Fla. Optical eye testing apparatus. 2,485,272, Oct. 18.
- Freeman, Ernest H., Wilmette, assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Duman, Chicago, Ill. Transformer. 2,473,420, June 14.
- Freeman, Ernest H., Wilmette, assignor to H. Epstein and L. R. Duman, Chicago, Ill. Transformer. 2,473,746, June 21.
- Freeman, Ethelyn, Muskogee, Okla. Fluid heater. 2,470,481, May 17.
- Freeman, George A., East Orange, and James H. Green, West Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic carbonization of filaments. 2,465,864, Mar. 29.
- Freeman, George B., Miami Springs, Fla. Lifting device for aircraft batteries. 2,465,796, Mar. 29.
- Freeman, Grover C., Fort Leavenworth, Kans. Blade sharpener. 2,471,207, May 24.
- Freeman, Harry, Providence, R. I. Thermoplastic luggage frame. 2,471,612, May 31.
- Freeman, Harry, Providence, R. I. Conveyor chain. 2,490,682, Dec. 6.
- Freeman, Howard G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Deluge valve. 2,472,008, May 31.
- Freeman, Howard G., assignor to Rockwood Sprinkler Company, Worcester, Mass. Deluge valve. 2,485,091, Oct. 18.
- Freeman, Howard G., and F. Hencinski, assignors to Rockwood Sprinkler Company, Worcester, Mass. Apparatus for generating foam. 2,492,037, Dec. 20.
- Freeman, Leonard A., Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Driving mechanism for article forming apparatus. 2,481,653, Sept. 13.
- Freeman, Michael W., Detroit, Mich. Lubricating oil composition. 2,481,585, Sept. 13.

- Freeman, Roland J., Baldwin, N. Y. Knockdown desk. 2,472,579, June 7.
- Freeman, Samuel, New York, N. Y. Developing tank for developing photographic films. 2,484,378, Oct. 11.
- Freeman, Stanley C.: *See*—
Belcher, Daniel, and Freeman.
- Freeman, Walter K., Wakefield, assignor to Simplex Wire & Cable Co., Cambridge, Mass. Lead extrusion. 2,462,313, Feb. 22.
- Freer, Gorham F.: *See*—
Smith, McDonald D., and Freer.
- Freese, Gerald J.: *See*—
Dorfman, Hiller D., and Freese.
- Freevol, Harold, assignee: *See*—
Nelson, Noble A.
- Freeze-Pak Corporation, assignee: *See*—
Steel, John F.
- Freez-Seal Equipment Company Limited, assignee: *See*—
Young, Thomas N., and Gledhill.
- Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,464,126, Mar. 8.
- Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Selecting mechanism. 2,473,944, June 21.
- Frei, Jacob: *See*—
Bauernfreund Max, and Frei.
- Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Sealing means. 2,460,740, Feb. 1.
- Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto. 2,483,632, Oct. 4.
- Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Pump. 2,491,100, Dec. 13.
- Frei, Jakob R., Sidney, and R. M. Purdy, Bainbridge, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,479,005, Aug. 16.
- Frei, John, Jr., Chicago, Ill. Crucible holder and crucible. 2,462,259, Feb. 22.
- Frei, John, Jr., Chicago, Ill. Centrifugal casting machine. 2,479,610, Aug. 23.
- Frei, John, Jr., Chicago, Ill. Investing method. 2,482,257, Sept. 20.
- Frei, Karl, assignor to Aktiengesellschaft Adolph Saurer, Arbon, Switzerland. Involute generating spur gear milling cutter. 2,491,720, Dec. 20.
- Freiberg, Florence, Los Angeles, Calif. Handbag lining. 2,467,662, Apr. 19.
- Freiberg, Florence, Los Angeles, Calif. Beauty kit. 2,491,101, Dec. 13.
- Freiden, William, assignor to Eagle Manufacturing Company, Appleton, Wis. Crop blower. 2,464,973, Mar. 22.
- Fréjaques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarque, Paris, France. Separating aqueous azeotropic mixtures. 2,461,048, Feb. 8.
- Fremlin, John H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the velocity modulation type. 2,459,805, Jan. 25.
- Fremlin, John H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Ultra high frequency oscillator. 2,462,085, Feb. 22.
- Fremlin, John H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the velocity modulation type. 2,462,087, Feb. 22.
- Fremlin, John H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Focusing arrangement for electron discharge devices of the electron velocity modulation type. 2,483,407, Oct. 4.
- Fremlin, John H., and C. H. Foulkes, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Velocity-modulated electron discharge device. 2,459,806, Jan. 25.
- Fremlin, John H., and S. G. Tomlin, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,462,086, Feb. 22.
- Fremlin, John H., and C. H. Foulkes, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus of the velocity modulation type. 2,476,971, July 26.
- French, August, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Candle manufacture. 2,486,469, Nov. 1.
- French, Charles A., Eburne, British Columbia, Canada. Power-operated implement lift arm. 2,467,616, Apr. 19.
- French, Dean, assignee: *See*—
Maltha, I. Lee.
- French, Frederic A.: *See*—
Pierotti, Gino J., Souders, Jr., and French.
- French, Frederick A., assignor to John A. Roebing's Sons Company, Trenton, N. J. Apparatus for forming twisted wire structures. 2,477,690, Aug. 2.
- French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Steering mechanism for two-wheeled tractors or the like. 2,461,596, Feb. 15.
- French, James W., and C. Foster, assignors to Barr & Stroud Limited, Glasgow, Scotland. Stereoscopic observation instrument. 2,484,160, Oct. 11.
- French, Jesse L., Pond Creek, Okla. Water injector. 2,489,177, Nov. 22.
- French, Lionel J. B. R., assignor to The Book Machinery Company Limited, London, England. Creasing linings for books and for analogous purposes. 2,471,482, May 31.
- French, Louis O., Milwaukee, Wis. Motor speed controller. 2,480,566, Aug. 30.
- French Oil Mill Machinery Company, The, assignee: *See*—
Robinson, Harry S.
Stacy, Thomas F.
- French, Richard W., Ocean City, N. J. Combined beam indicator, compass, and gyro-horizon for aircraft. 2,467,972, Apr. 19.
- Frerer, Paul G., assignor to Perfex Corporation, Milwaukee, Wis. Snap switch. 2,480,127, Aug. 30.
- Frerer, Paul G., assignor to Bendix Aviation Corporation, Baltimore, Md. Securing means. 2,483,042, Sept. 27.
- Frerer, Paul G., Towson, Md., assignor to Perfex Corporation, Milwaukee, Wis. Actuator. 2,490,040, Dec. 6.
- Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Electric switch. 2,460,813, Feb. 8.
- Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Electric switch. 2,460,819, Feb. 8.
- Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. High potential equalizer for standoff insulators. 2,469,380, May 10.
- Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Motor operated switch. 2,482,757, Sept. 27.
- Freter, Roy J., Columbus, Ohio, assignor to Landis Machine Company, Waynesboro, Pa. Manufacturing pipe nipples or the like. 2,480,011, Aug. 23.
- Frettoloso, Carmine J., New York, N. Y. Chuck. 2,465,366, Mar. 29.
- Freud, Herbert M.: *See*—
Frasch, Jean.
- Freund, Dagobert S.: *See*—
Newman, Robert N., and Freund.
- Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Spacer element for typographical machines. 2,464,078, Mar. 8.
- Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical element or matrix. 2,486,834, Nov. 1.
- Freund, Robert R., Mount Carmel, Ill. Obstetrical and fracture attachment for bed structures. 2,470,026, May 10.
- Freund, Robert R., Mount Carmel, Ill. Adjustable and collapsible cot structure panel. 2,480,460, Aug. 30.
- Freund, Robert R., Phillips, Tex., assignor to Phillips Petroleum Company. Stuffing box. 2,486,939, Nov. 1.
- Freund, Robert R., Mount Carmel, Ill. Extensible brace for articulated beds. 2,490,956, Dec. 13.
- Freund, William J., assignor of forty-four one-hundredths to W. J. Kelly, Miami, Fla. Solar heater for heating liquids. 2,467,885, Apr. 19.
- Freund, William J., assignor of 44/100 to W. J. Kelly, Miami, Fla. Heat storage and supply means. 2,486,833, Nov. 1.
- Frevel, Bart W., Minneapolis, Minn. Nail set. 2,481,304, Sept. 6.
- Frevel, Ludo K., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for producing a convergent X-ray beam. 2,472,745, June 7.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydration of olefins. 2,457,882, Jan. 4.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of a low-boiling saturated hydrocarbon. 2,461,540, Feb. 15.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerizing a low-boiling isomerizable saturated hydrocarbon. 2,461,541, Feb. 15.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic dehydrogenation. 2,465,016, Mar. 22.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydration of olefins. 2,484,702, Oct. 11.
- Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. HF—BF₃—H₂O isomerization catalyst. 2,486,368, Oct. 25.
- Frey, George, Philadelphia, Pa., assignor to Globe Hoist Company, Des Moines, Iowa. Chassis engaging device for vehicle lifts. 2,458,986, Jan. 11.
- Frey, Howard A., Towson, and R. L. McCoy, assignors to Locke, Incorporated, Baltimore, Md. Conductor support. 2,475,230, July 5.
- Frey, Hugo: *See*—
Miescher, Karl, Frey, Meystre, and Wettstein.
- Freydberg Bros.-Strauss, Inc., assignee: *See*—
Alpern, Dwight K., Freydenberg, and Hawkins.
Hawkins, William H.
- Freydberg, Herman M.: *See*—
Alpern, Dwight K., Freydenberg, and Hawkins.
- Freyermuth, Harlan B.: *See*—
Grimmel, Harry W., and Freyermuth.

- Freygang, Walter H., Essex Fells, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Pneumatic tire and antiskid means therefor. 2,491,491, Dec. 20.
- Freyman, Herbert J., New York, N. Y.; J. Freyman administrator of said H. J. Freyman, deceased. Electrically heated steam radiator. 2,480,809, Aug. 30.
- Freyman, Jay, administrator: *See*—Freyman, Herbert J.
- Frey, Carl, Edinburg, assignor to J. Lloyd, Indianapolis, Ind. Vacuum pump. 2,463,458, Mar. 1.
- Frey Engineering Company, assignee: *See*—Fox, Gordon.
- Frez-O-Mat Corporation, assignee: *See*—Rifkin, Milton.
- Frick Company, assignee: *See*—Spoonhour, Charles L.
- Watts, Mahlon B.
- Frick, H. C., Coke Company, assignee: *See*—McGee, Edgar I.
- Frick, Oscar, West Englewood, N. J., and C. J. Rhodes, Oceanside, assignors to J. P. Stevens & Co., Inc., New York, N. Y. Thread antislack device. 2,479,826, Aug. 23.
- Fricke, Edwin F., Flushing, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Making thionyl chloride. 2,471,946, May 31.
- Fricke, Guy C.: *See*—Thomas, Michael J., and Fricke.
- Fricke, Howard M., Yeadon, assignor of one-half to R. F. Alexander, Philadelphia, Pa. Animal enclosure. 2,467,525, Apr. 19.
- Friday, Paul D., and T. H. Miller, Portland, Oreg. Crate. 2,486,709, Nov. 1.
- Friden, John H., Maplewood, and W. A. Abrecht, Union, assignors to The Sun Tube Corporation, Hillside, N. J. Machine for spray coating hollow articles. 2,489,371, Nov. 29.
- Frie, Elmer W., and F. Haloski, Chicago, Ill., assignors to Vacuum Can Company. Portable food and drink stand. 2,490,588, Dec. 6.
- Frie, George, assignor to Kramer Trenton Company, Trenton, N. J. Refrigeration apparatus arranged for periodic defrosting. 2,463,027, Mar. 1.
- Frie, George, assignor to Kramer Trenton Company, Trenton, N. J. Semicircular evaporator coil combined with a fan. 2,486,145, Oct. 25.
- Frieberg, Nelson R.: *See*—Fowler, Roland G., Larsen, and Frieberg.
- Fried, Edna Berger, Forest Hills, New York, assignor to Adler & Adler, Inc., New York, N. Y. Sleeve construction. 2,466,887, Apr. 12.
- Fried, Jack, New York, N. Y. Bicycle and frame and parts therefor. 2,482,472, Sept. 20.
- Fried, Sherman M., Chicago, Ill., and N. R. Davidson, Sierra Madre, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparing uranium trioxide. 2,477,924, Aug. 2.
- Friedberg, Milton R., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Outside mounted automobile antenna. 2,473,141, June 14.
- Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Parachute pack. 2,467,024, Apr. 12.
- Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors to Reconstruction Finance Corporation. Parachute system. 2,478,758, Aug. 9.
- Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Device for adjusting guy lines. 2,489,631, Nov. 29.
- Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Cable gripping device. 2,489,632, Nov. 29.
- Friedheim, Ernst A. H., New York, N. Y. Preparation of a melaminy-phenyl-sulfonic acid compound. 2,463,861, Mar. 8.
- Friedheim, Ernst A. H., New York, N. Y. Compositions of reduced toxicity, containing antimony and 1,2-dihydroxybenzene disulfonic acid. 2,466,019, Apr. 5.
- Friedheim, Ernst A. H., New York, N. Y. Organometallic compounds containing 1,3,5-triazine rings. 2,466,764, Apr. 12.
- Friedhelm, Frank, Minneapolis, Minn. Tool-holding bracket. 2,468,190, Apr. 26.
- Friedhelm, Frank, Minneapolis, Minn. Auxiliary glare shield. 2,485,440, Oct. 18.
- Friedland, Al, Lawrence, N. Y. Garment. 2,486,835, Nov. 1.
- Friedman, Arthur, Shaker Heights, assignor to Patrol Valve Company, Cleveland, Ohio. Range connector. 2,460,741, Feb. 1.
- Friedman, Arthur H., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Fluid treatment equipment. 2,461,113, Feb. 8.
- Friedman, Alvin H., and J. N. Moran, Bartlesville, Okla., assignors to Phillips Petroleum Company. Feldspar-iron-alkali fischer-tropsch catalyst and its preparation. 2,488,530, Nov. 22.
- Friedman, Bernard S., Chicago, and Russell F. Stedman, Crete, assignors to Universal Products Company, Chicago, Ill. Separating olefins from paraffins. 2,458,067, Jan. 4.
- Friedman, Harris L.: *See*—Duesel, Bernard F., and Friedman.
- Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Methylene sulfonate derivatives of alkyl compounds and aryl compounds. 2,458,584, Jan. 11.
- Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Aminopyridine compounds. 2,458,585, Jan. 11.
- Friedman, Harris L., New York, and A. V. Tolstouhiov, Bronx, assignors to Pyridium Corporation, Yonkers, N. Y. 2-(p-methoxybenzyl, dimethylaminoethyl) aminopyrimidine and its hydrochloride. 2,465,865, Mar. 29.
- Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Benzylidenamino compounds of pyridine. 2,472,731, June 7.
- Friedman, Harris L., and A. V. Tolstouhiov, New York, N. Y., assignors to Pyridium Corporation, Yonkers, N. Y. Phthalamidic acid compounds of pyridine and their salts. 2,474,893, July 5.
- Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Substituted aminopyridine-ethylidene sulfonates. 2,477,731, Aug. 2.
- Friedman, Herbert, Arlington, Va. Measuring thickness of curved sections and apparatus therefor. 2,462,088, Feb. 22.
- Friedman, Herbert, Arlington, Va. Focusing X-ray monochromator. 2,474,240, June 28.
- Friedman, Herbert, Arlington, Va. X-ray spectrometer. 2,474,835, July 5.
- Friedman, Herbert, Arlington, Va. Geiger counter structure. 2,475,603, July 12.
- Friedman, Herbert, Arlington, Va., and L. Wolfe, Washington, D. C. Ice detector. 2,480,846, Sept. 6.
- Friedman, Herbert, Arlington, Va., W. A. Zisman, Washington, D. C., and M. V. Sullivan, Briant Parkway, Summit, N. J. Detection of water in fuels. 2,487,797, Nov. 15.
- Friedman, Joseph S., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Producing multilayer color negatives containing masking images for color correction purposes. 2,476,541, July 19.
- Friedman, Leopold, assignor to De La Rue Gas Development Limited, London, England. Securing articles to walls and the like. 2,478,577, Aug. 9.
- Friedman, Louis D., New York, N. Y. Tilttable container with measuring trap. 2,485,194, Oct. 18.
- Friedman, Samuel, assignor to Reliable Machine Works, Inc., Brooklyn, N. Y. Fur conditioning machine. 2,477,448, July 26.
- Friedman, Stanleigh P., executor, et al.: *See*—Jonkhoff, Henri W.
- Friedman, William F., Washington, D. C., and J. O. Mauborgne, Red Bank, N. J. System for enciphering facsimiles. 2,465,367, Mar. 29.
- Friedmann, Erna: *See*—Friedmann, Siegfried and E.
- Friedman, Siegfried and E., St. Louis, Mo. Collapsible parcel carrier. 2,472,203, June 7.
- Friedrich, Ed, Inc., assignee: *See*—Brinkoeter, Julius A.
- Brinkoeter, Paul H.
- Hardin, Hubert W.
- Friedrich, Robert E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,465,218, Mar. 22.
- Friedrich, Robert E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,470,611, May 17.
- Fried, Albert W., Cambridge, Mass., assignor to Radio Corporation of America. Power recovery circuit for cathode-ray apparatus deflection systems. 2,474,474, June 28.
- Fried, Albert W., Collingswood, N. J., assignor to Radio Corporation of America. Transformer. 2,476,854, July 19.
- Friend, Carl F., Burbank, Calif. Bolt casing. 2,485,042, Oct. 18.
- Fries, Karl W., assignor to Rhineland Paper Company, Rhineland, Wis. Wax-polyamide-pine resin coating composition. 2,469,108, May 3.
- Fries, Karl W., assignor to Rhineland Paper Company, Rhineland, Wis. Producing lactic acid. 2,474,046, June 21.
- Friestedt, Ragnar, and R. C. Halfer, assignors to Halfer Engineering Company, Chicago, Ill. Toy plastic molding set. 2,466,407, Apr. 5.
- Frietsche, William E., New Hyde Park, N. Y. Safety window lock adapter. 2,469,551, May 10.
- Frihart, Henry N., W. C. Jackson, and F. B. Williams, Chicago, Ill., assignors to Motorola, Inc. Cathode-ray image-translating device. 2,459,637, Jan. 18.
- Frilette, Vincent J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Photochemical chlorination of long chain compounds. 2,492,417, Dec. 27.
- Frink, Frederick W., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicator circuit. 2,465,368, Mar. 29.
- Frink, Frederick W., East Orange, N. J. Frequency modulation transmitter. 2,483,271, Sept. 27.

- Frink, Russell E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air blast circuit interrupter. 2,491,964, Dec. 20.
- Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Cabinet culinary appliance. 2,462,089, Feb. 22.
- Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Power driven palm grasped kitchen appliance. 2,483,727, Oct. 4.
- Frisby Corporation, assignee: *See*—
Frisby, Frank D.
- Frisby, Frank D., assignor to Frisby Corporation, St. Louis, Mo. Piston packing ring. 2,459,157, Jan. 18.
- Frisch, Erling, C. R. Hanna, and W. O. Osbon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,467,735, Apr. 19.
- Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Steam drying apparatus. 2,472,101, June 7.
- Frisch, Martin, New York, and J. Blizard, Garden City, assignors to Foster Wheeler Corporation, New York, N. Y. Heat exchange apparatus. 2,475,604, July 12.
- Frische, Carl A.: *See*—
Halpert, Percy, Frische, Bird, and Esvall.
- Frischer, Blanche, Bronx, N. Y. Paper bag construction. 2,487,643, Nov. 8.
- Frischmann, Joseph A., and R. J. Herman, assignors to Towmotor Corporation, Cleveland, Ohio. Side shift mechanism for lift truck forks. 2,483,534, Oct. 4.
- Frischmuth, Robert W.: *See*—
Colton, Henry S., Knowles, and Frischmuth.
- Frisco, Theodore E., Cleveland, Ohio. Toolholder. 2,463,396, Apr. 26.
- Frisco, Theodore E., Cleveland, Ohio. Toolholder. 2,475,385, July 5.
- Frisco, Theodore E., Cleveland, Ohio. Toolholder. 2,475,386, July 5.
- Frisell, Ernest: *See*—
Skipper, James, Marble, and Frisell.
- Frisman, Daniel, Washington, D. C., and M. Harris, Bethesda, Md., assignors, by mesne assignments, to Harris Research Laboratories. Treating wool. 2,466,695, Apr. 12.
- Frisk, Nils P. W., and A. G. W. Hernqvist, Stockholm, Sweden. Automatic regulating system. 2,460,497, Feb. 1.
- Frisone, John, Parris Island, S. C. Portable heating apparatus. 2,467,469, Apr. 19.
- Frist, Joseph O., and E. K. Bauer, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Dofing indicator system. 2,463,028, Mar. 1.
- Friswold, Frank A., Cleveland, and R. D. Lewis, Parma, Ohio. Dew point hygrometer. 2,466,696, Apr. 12.
- Fritsch, Walter, assignee, et al.: *See*—
Stranberg, Don F.
- Fritschi, Hans: *See*—
Roehm, Erwin G., and Fritschi.
- Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Control device for projection printers. 2,478,384, Aug. 9.
- Fritts, Walter J., Mount Sterling, Ky. Illuminated ten yard marker stick. 2,479,157, Aug. 16.
- Fritz, George, assignee: *See*—
Buchmiller, William A.
- Fritz, Oliver H., La Crosse, Wis. Nursing bottle holder. 2,465,219, Mar. 22.
- Fritz, Walter B., Monroeville, Ohio. Impeller for centrifugal force pumps. 2,472,412, June 7.
- Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical instrument. 2,460,686, Feb. 1.
- Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electric current generator. 2,476,719, July 19.
- Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Device for dispensing and applying pressure-sensitive adhesive tape. 2,486,470, Nov. 1.
- Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Device for using adhesive tape. 2,486,471, Nov. 1.
- Fritzsche, Fred G., Milwaukee, Wis. Apparatus for blocking optical lens blanks. 2,465,153, Mar. 22.
- Frizzell, Tolbert W., Big Springs, Tex. Cylinder lock. 2,462,954, Mar. 1.
- Froass, Paul E.: *See*—
Keller, Hugo F., Johnson, and Froass.
- Fromblom, John M., Holland, Mich. Toolmaker's vice or clamp. 2,473,643, June 21.
- Frock, William F., North Jackson, Ohio. Pulsator for milking machines. 2,477,975, Aug. 2.
- Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. High chair. 2,483,633, Oct. 4.
- Froelich, George E., Two Rivers, Wis., assignor to Hamilton Manufacturing Company. Parallel ruling means. 2,483,284, Nov. 15.
- Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Preparation of alkaline earth fluorophosphate phosphors by coprecipitation. 2,476,654, July 19.
- Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Magnesium titanate phosphor. 2,479,158, Aug. 16.
- Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Magnesium pyrophosphate phosphor. 2,488,719, Nov. 22.
- Frohning, Paul R.: *See*—
Tabor, Joseph M., Seibert, and Frohning.
- Frolich, Per K.: *See*—
Sparks, William J., Gleason, and Frolich.
- Frolich, Per K., and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Copolymer of butadiene-1,3 and alpha methyl para methylstyrene. 2,485,273, Oct. 18.
- From, Owen C., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Apparatus for testing the speed of calling dials. 2,489,282, Nov. 29.
- Fromm, Kenneth N., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding apparatus. 2,482,473, Sept. 20.
- Frommer, Joseph C., Cincinnati, Ohio, assignor to S. C. Hurley, Jr., deceased, W. L. Hurley, executrix, assignor to W. L. Hurley, Danville, Ill. Electronic circuit. 2,477,976, Aug. 2.
- Frommer, Moses, New York, N. Y. Binocular loupe. 2,459,021, Jan. 11.
- Fron, Joseph S., Grand Rapids, Mich. Electric switch. 2,476,035, July 12.
- Fronczak, Ernest T.: *See*—
Stucker, Joseph B., Fronczak and Wolfram.
- Frondel, Clifford, assignor to Cambridge Thermionic Corporation, Cambridge, Mass. Pressure responsive transducer. 2,486,146, Oct. 25.
- Frost, Allan B., Chicago, Ill. Finger board for stringed musical instruments. 2,489,408, Nov. 29.
- Frost, Bernard J., Chicago, Ill. Garment bag. 2,481,102, Sept. 6.
- Frost, George E., Schenectady, N. Y. Protective system. 2,468,743, May 3.
- Frost, Harry W., Jr., assignor to The Frost Railway Supply Co., Detroit, Mich. Railway car spring. 2,466,094, Apr. 5.
- Frost, Marvin D.: *See*—
Spurlino, Pascal, Moser, Kibler, Frost, and Kreider.
- Frost, Orcutt W.: *See*—
Wiley, Grant S., and Frost.
- Frost, Owen D., Waynesboro, Va., assignor to Crompton-Shenandoah Co. Inc. Manufacture of cut filling pile fabrics. 2,490,041, Dec. 6.
- Frost, Owen D., Waynesboro, Va., assignor to Crompton-Shenandoah Co. Inc. Creel and spool for cut filling pile looms. 2,490,042, Dec. 6.
- Frost Railway Supply Co., The, assignee: *See*—
Endsley, Louis E.
- Frost, Harry W., Jr.
- Frost, William, assignee: *See*—
Bohener, Victor R. W.
- Frost, William F., Williston Park, N. Y., assignor to The Sperry Corporation. Position and speed control system. 2,471,422, May 31.
- Frostad, George O., Milwaukee, Wis. Printing apparatus. 2,470,243, May 17.
- Frothingham, Harriett C.: *See*—
Frothingham, Harry A. and H. C.
- Frothingham, Harry A. and H. C., Stamford, Conn. Kitchen cabinet having top opening with pedal operated closure. 2,474,101, June 21.
- Frowde, Stanley C., Denton, Manchester, England, assignor to Imperial Chemical Industries Limited. Coated sheet materials and plastic compositions therefor. 2,491,102, Dec. 13.
- Frowine, Von K., Kalamazoo, Mich. Mandibular cast positioner. 2,461,207, Feb. 8.
- Frum, Alexander, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency operative azimuth indicator. 2,462,853, Mar. 1.
- Frum, Alexander, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency measuring system. 2,480,123, Aug. 30.
- Frum, Alexander, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Receiver system. 2,485,582, Oct. 25.
- Fruth, Hal F., Chicago, and R. J. Pierce, Park Ridge, Ill., assignors to Motorola, Inc. Piezoelectric crystal unit. 2,458,987, Jan. 11.
- Fruth, Hal F., Chicago, Ill., assignor to Motorola, Inc. Method of and apparatus for cleaning by ultrasonic waves. 2,468,550, Apr. 26.
- Fruth, Hal F., Skokie, Ill. Cathodic deposition apparatus. 2,476,592, July 19.
- Fruyton, Carl F., Cleveland Heights, C. O. Miller, Cleveland, and W. G. Craig, Cleveland Heights, assignors to The Lubrizol Corporation, Wickliffe, Ohio. Producing predominantly lower oxidation products from hydrocarbons. 2,475,605, July 12.
- Fry, Benjamin W., Ladue, assignor to National Vendors, Inc., St. Louis, Mo. Article dispensing apparatus. 2,468,819, May 3.
- Fry, Douglas J.: *See*—
Kendall, John D., and Fry.

- Fry, Francis J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,463,029, Mar. 1.
- Fry, Glenn A., Columbus, Ohio, assignor to the United States of America as represented by the Secretary of War. Contrast measuring apparatus having relatively rotatable polarizing elements for optical sighting instruments. 2,470,156, May 17.
- Fry, Harold R., Jr., Troy, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Ampoule sealing and discharging device. 2,482,969, Sept. 27.
- Fry, Hugh A., Los Angeles, Calif. Cutter mounting. 2,471,613, May 31.
- Fry, Leo C.: *See*—
Wells, Lee, and Fry.
- Fry, William J.: *See*—
Buschcott, Rudolph A., and Fry.
- Fryar, William H., Litchfield, Ill. Hone for reconditioning cutters in pencil sharpeners. 2,462,176, Feb. 22.
- Frydender, Sophie, assignor to Lancome Societe Anonyme, Paris, France. Lipstick case. 2,714,833, May 31.
- Frydender, Sophie, Paris, assignor to Lancome Societe Anonyme, Courbevoie, France. Lipstick case. 2,476,488, July 19.
- Frye, Elroy E.: *See*—
Graham, William R., Kohler, and Frye.
Graham, William R., Jr., Kohler, and Frye.
- Frye, Harold B., assignor to Noma Electric Corporation, Cincinnati, Ohio. Traffic signal stand. 2,487,644, Nov. 8.
- Frye, Raymond P.: *See*—
Yeomans, Lucien I., and Frye.
- Fryer, Ross L., Jr., Washington, D. C. Metering device. 2,472,102, June 7.
- Fryklund, Robert A., Somerville, assignor to Submarine Signal Company, Boston, Mass. Electrical reproducing stylus. 2,470,244, May 17.
- Fubini, Eugene, New York, N. Y., H. C. Kriegel, Houston, Tex., and J. G. Stephenson, Mineola, N. Y., assignors to the United States of America as represented by the Secretary of War. High-frequency concentric line oscillator. 2,472,204, June 7.
- Fubini, Eugene, New York, N. Y., and M. Hamermesh, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Search antenna array. 2,473,421, June 14.
- Fuchs, Fritz E., assignor to Aquanox Corporation, Houston, Tex. Demulsifier composition. 2,492,473, Dec. 27.
- Fuchs, Norbert E., assignor to Republic Steel Corporation, Cleveland, Ohio. Induction heater. 2,460,687, Feb. 1.
- Fuchsman, Jacob, Brooklyn, N. Y. Window construction. 2,465,583, Mar. 29.
- Fucik, Karel: *See*—
Rosicky, Jan, and Fucik.
- Fuel Charger Corporation, assignee: *See*—
Parsons, Ben G.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter releasing mechanism. 2,468,702, Apr. 26.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic shutter with built-in synchronizer. 2,469,688, May 10.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter with automatic diaphragm. 2,472,580, June 7.
- Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic two-blade shutter for cameras. 2,475,952, July 12.
- Fuerst, Edwin W., Toledo, Ohio, assignor to Dow Corning Corporation, Midland, Mich. Display package. 2,477,793, Aug. 2.
- Fuge, Fred T., Fostoria, Ohio. Electric ironing machine. 2,472,891, June 14.
- Fuge, Harry B.: *See*—
Momborg, James W., and Fuge.
- Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric servomotor control system. 2,464,745, Mar. 15.
- Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dynamoelectric machine. 2,469,820, May 10.
- Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Polyphase motor braking system. 2,478,155, Aug. 2.
- Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Oscillator control system for electric bonding machines. 2,487,432, Nov. 8.
- Fuhr, Henry, Milwaukee, Wis. Screw-operated vise having vertically adjustable and guided nut-block mounting and guiding a horizontally movable vise jaw. 2,484,339, Oct. 11.
- Fuhrer, Raymond A., Malverne, N. Y., R. H. Roughsedge, Ramsey, N. J., and H. G. Lustig, New York, N. Y., assignors to Celanese Corporation of America. Warp knitting machine. 2,486,525, Nov. 1.
- Fuhrhop, Wilhelm F., London, and H. Van Issum, Bradford, England. Manufacture of pile fabrics. 2,491,258, Dec. 13.
- Fujii, Naoto: *See*—
Bainbridge, Marvin, Fumil, and Morishige.
- Fulbright, Alson J., Sr., Little Rock, Ark. Animal trap minnow bait. 2,479,611, Aug. 23.
- Fulcher, Simeon C., Los Angeles, Calif. Portable commode. 2,485,726, Oct. 25.
- Fulgham, Fred A., Grandview, Wash. Grapevine cultivator. 2,489,633, Nov. 29.
- Fulke, Frank L., Terre Haute, Ind. Lubricated mining machine chain. 2,487,232, Nov. 8.
- Fulkerson, Joseph C., Hereford, Tex. Reversible disk-type plow. 2,491,556, Dec. 20.
- Fuller, Carl F., Sacramento, Calif. Corner right, shear and bending machine assembly. 2,486,147, Oct. 25.
- Fuller, Charles E., Portland, Oreg. Helper needle. 2,463,258, Mar. 1.
- Fuller, Charles H., Los Angeles, Calif. Exciting means for high-frequency display tubes. 2,459,422, Jan. 18.
- Fuller, Charles W., Clewiston, Fla. Apparatus for drying baggage. 2,481,305, Sept. 6.
- Fuller, Clarence M., Warwick, assignor to Holbrook Raw Hide Co., Providence, R. I. Loop picker. 2,458,936, Jan. 11.
- Fuller, Edward D., assignor to The Visking Corporation, Chicago, Ill. Method of making flattened thermoplastic tubing of predetermined desired characteristics. 2,461,975, Feb. 15.
- Fuller, Everett W.: *See*—
Richter, Frederick P., and Fuller.
- Fuller, Everett W., and E. M. Johnson, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,476,972, July 26.
- Fuller, George W., Huntington Park, Calif., assignor to National Engineering Company, Chicago, Ill. Mold clamping and pouring system. 2,481,654, Sept. 13.
- Fuller, Ira W., Roxbury, Mass. Detachable wire letter with fabric covering. 2,457,883, Jan. 4.
- Fuller, Ira W., Roxbury, Mass. Advertising sign. 2,480,408, Aug. 30.
- Fuller, John L., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company. Phase shift control system. 2,483,090, Sept. 27.
- Fuller, Lawrence J., Philadelphia, assignor to Welding Engineers Incorporated, Norristown, Pa. System for the treatment of material. 2,458,068, Jan. 4.
- Fuller, Lela B.: *See*—
Moore, William H., and Fuller.
- Fuller, Leonard, assignee: *See*—
Oliver, George F. N.
- Fuller, Lila L., Houston, Tex. Adjustable reading stand. 2,480,233, Aug. 30.
- Fuller Manufacturing Company, assignee: *See*—
Backus, Thomas.
Trail, Herbert H.
- Fuller, Morell M., San Jacinto, Calif. Internal collet. 2,460,414, Feb. 1.
- Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Keyboard cover. 2,481,103, Sept. 6.
- Fuller, Reginald C., Brighton, England. Electric pressure indicator. 2,474,662, June 28.
- Fuller, Robert R., Tuscaloosa, Ala., and V. Woodside, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Regeneration of caustic soda-sodium sulfide cooking liquor. 2,481,408, Sept. 6.
- Fuller, Roger A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,473,244, June 14.
- Fuller, Stanley D., Sussex, Wis. Hand truck. 2,477,294, July 26.
- Fuller, W. P. & Co.: *See*—
Klaar, Max.
- Fuller, W. P. Company, The, assignee: *See*—
Clute, Foster L., and Schroder.
- Fuller, William R., East Cleveland, Ohio. Fishing reel. 2,486,559, Nov. 1.
- Fullilove, Dixie L., Shreveport, La. Multiscale rule. 2,468,191, Apr. 26.
- Fulton Company, The, assignee: *See*—
Ellithorpe, Frank E.
Riemann, Howard C.
Riemann, Howard C., and Thorp.
- Fulton, Norman, assignor to The Flexible File Company, Fremont, Ohio. Desk set holder for letter openers and shears. 2,491,307, Dec. 13.
- Fulton, Oliver H., Jr., Montclair, N. J. assignor to Radio Corporation of America. Mount for electron discharge devices. 2,460,382, Feb. 1.
- Fulton, Robert E., Jr., Washington, D. C., and Octavio J. Alvarez, New York, N. Y., assignors to Continental, Incorporated, Washington, D. C. Roadable airplane. 2,457,884, Jan. 4.
- Fulton, Robert E., Jr., Washington, D. C., and O. J. Alvarez, New York, N. Y., assignors to Continental, Incorporated, Washington, D. C. Fuel tank filler spout for roadable airplanes. 2,474,974, July 5.
- Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Fuel burner for boilers. 2,484,161, Oct. 11.
- Fulton, William T.: *See*—
Gettman, Paul M., and Fulton.
- Fulwiler, Howard D., assignee: *See*—
Sweetnam, Lewis H.
- Fundaburk, Robert H.: *See*—
Gittings, Lewis D., and Fundaburk.

- Funderburg, John A., Oneonta, Ala., assignor to J. E. Funderburg, Ashland, Ky. Pawl-type rod brake for grease guns. 2,491,259, Dec. 13.
- Funderburg, John E., assignee: *See—*
Funderburg, John A.
- Funk, Charles E., Jr., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Lubricating composition. 2,466,408, Apr. 5.
- Funk, Charles R., Latrobe, Pa. Manufacture of chrome alloy steel. 2,464,302, Mar. 15.
- Funk, Ernest R., Jr., and E. H. Black, Galesburg, Ill. Coin holder. 2,482,258, Sept. 20.
- Funk, Herbert L., Philomath, Oreg. Saddle stirrup hanger. 2,467,663, Apr. 19.
- Funk, Robert S., Los Angeles, Calif. Valve. 2,490,043, Dec. 6.
- Funk, Truman B., Jackson, Mich. Grass trimmer. 2,484,989, Oct. 15.
- Funk, Truman B., Jackson, Mich. Grass trimmer. 2,484,990, Oct. 18.
- Funke, Fred W., Oakland, assignor to R. S. Orr, San Francisco, Calif. Nozzle. 2,475,702, July 12.
- Funkhouser Company, The, assignee: *See—*
Nichols, Ernest H., and Beyard.
- Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,458,157, Jan. 4.
- Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,481,210, Sept. 6.
- Fuqua, Clarence V., Vandalia, Ill. Tree-felling circular saw. 2,462,314, Feb. 22.
- Fuqua, Mack C.: *See—*
Beamer, Clayton M., and Fuqua.
Lovell, John B., and Fuqua.
Steele, Clellie T., and Fuqua.
- Fuqua, Mack C., Baton Rouge, La., assignor to Standard Oil Development Company. Azeotropic distillation of aqueous isopropanol contaminated by acetone. 2,481,211, Sept. 6.
- Furchak, John G., Mill Valley, Calif. Page end indicator for typewriters. 2,460,170, Jan. 25.
- Furer, Edward, and C. B. Lonon, Burbank, Calif.; said Lonon assignor to said Furer. Gyroscopically stabilized camera boom. 2,472,944, June 14.
- Furer, Edward, Burbank, Calif. Film pressure plate. 2,492,418, Dec. 27.
- Furkert, Ernst A., Chicago, Ill. Gas mixer. 2,486,017, Oct. 25.
- Furkert, Ernst A., Chicago, Ill. Fluid fuel burner having laterally directed flame ports. 2,486,018, Oct. 25.
- Furlin, John, New York, N. Y. Combination chair and ladder. 2,469,720, May 10.
- Furlin, John, New York, N. Y. Work support for automatic lathes. 2,490,516, Dec. 6.
- Furlow-Cate Manufacturing Company, Inc., assignee: *See—*
Kinsey, Alvin E.
- Furman, Frank J.: *See—*
Mills Albert W., and Furman.
Rabenda, Edward J., and Furman.
- Furman, Frank J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record card sensing device. 2,490,346, Dec. 6.
- Furn, Hans H., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Pressure gauge. 2,459,931, Jan. 25.
- Furnas Electric Company, assignee: *See—*
Furnas, William C., and Koertge.
Furnas, William C., and Rucks.
Furnas, William C., and Schumacher.
Koertge, Nobel H.
Koertge, Nobel H., and Rucks.
Parmann, Edwin A.
- Furnas, William C., Batavia, and E. L. Rucks, Aurora, assignors to Furnas Electric Company, Batavia, Ill. Rotary reversing switch. 2,478,690, Aug. 9.
- Furnas, William C., Batavia, and E. B. Schumacher, Aurora, assignors to Furnas Electric Company, Batavia, Ill. Pedal actuated electric switch. 2,482,540, Sept. 20.
- Furnas, William C., Batavia, and N. H. Koertge, Glen-Elyn, assignors to Furnas Electric Company, Batavia, Ill. Rotary electric switch. 2,487,967, Nov. 15.
- Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Drying and conditioning of yarns. 2,460,879, Feb. 8.
- Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Method of and apparatus for liquid treatment of yarns. 2,470,299, May 17.
- Furr, William R., Washington, D. C. Suction-type street sweeper. 2,458,258, Jan. 4.
- Furter, Max F., Montclair, and W. M. Lauter, Glen Rock, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Fortifying grain products. 2,475,133, July 5.
- Furzehill Laboratories Limited, assignee: *See—*
Nameny-Katz, Laszlo.
- Fuschi, Antonio, New York, N. Y. Rectangular translucent sound track record. 2,484,881, Oct. 13.
- Fuss, William H., Osborn, Ohio. Electronic gauge. 2,481,993, Sept. 13.
- Fuston, Seth G., Turkey, Tex. Wheel suspension for vehicles. 2,484,280, Oct. 11.
- Fux, Wilhelm, Vienna, Austria. Vitamin food product. 2,480,103, Aug. 30.
- Fyler, George W., Lombard, Ill., assignor to Motorola, Inc. Television receiver. 2,458,365, Jan. 4.
- Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. Saw-tooth voltage generator. 2,458,366, Jan. 4.
- Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. High-voltage power supply. 2,459,638, Jan. 18.
- Fyler, George W., Lombard, Ill., assignor to General Electric Company. Modified variometer. 2,484,561, Oct. 11.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Automatic frequency control for pulse transmission systems. 2,469,875, May 10.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Antenna system. 2,479,337, Aug. 16.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Detector-oscillator circuit for ultra high frequency receivers. 2,479,537, Aug. 16.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Multichannel radio and television receiver. 2,491,808, Dec. 20.
- Fyler, George W., Stratford, Conn., assignor to General Electric Company. Radio receiver. 2,491,809, Dec. 20.
- Fyler, George W., Lombard, and G. J. Heisig, assignors to Motorola, Inc., Chicago, Ill. Saw-tooth voltage generator. 2,458,367, Jan. 4.
- G & H Rail Controls, Inc., assignee: *See—*
Hunnicut, Caddis J.
- G-M Laboratories, Inc., assignee: *See—*
McMaster, Archie J.
- G. M. Manufacturing Company, assignee: *See—*
Gold, Nat.
- G. W. B. Electric Furnaces Limited, assignee: *See—*
McDonald, James, and Hooley.
- Gaarder, Herbert M., and R. E. Cooper, assignors to Wilson & Co., Inc., Chicago, Ill. Upholstery pad. 2,476,855, July 19.
- Gabel, Arnold R.: *See—*
Kropscott, Earle L., and Gabel.
- Gabel, Harry L., assignee: *See—*
Espenship, Abram C.
- Gabel, Wilbur H., Kulm, N. Dak. Film controlled safety stop for motion-picture projectors. 2,458,774, Jan. 11.
- Gable, Arthur G., assignor to Toledo Stamping & Manufacturing Company, Toledo, Ohio. Sickle guard. 2,490,261, Dec. 6.
- Gable, Arthur G., assignor to Toledo Stamping & Manufacturing Company, Toledo, Ohio. Engine rocker arm. 2,490,262, Dec. 6.
- Gabler, Raymond J., assignor to Butler Manufacturing Company, Kansas City, Mo. Pressure applying mechanism for garment presses. 2,489,960, Nov. 29.
- Gabor, Dennis, Rugby, England, assignor to General Electric Company. Obtaining enlarged images. 2,492,738, Dec. 27.
- Gabriel Company, The, assignee: *See—*
Finke, Theodore R., Stewart, and Finneburgh.
Friedberg, Milton R.
Patriquin, William G.
- Gabriel, Gustave O., assignor, by mesne assignments, of one-half to Perma Realty Co., New York, N. Y. Shock absorbing mechanism. 2,486,741, Nov. 1.
- Gabrielsen, Nils: *See—*
Marcus, Morris M., and Gabrielsen.
- Gabrielson, James B., Mar Vista, Calif. Wire and paper reel. 2,480,461, Aug. 30.
- Gabrielson, Samuel, South Lynnfield, Mass., assignor to General Electric Company. Direction indicator. 2,470,482, May 17.
- Gabriloitch, Leonide, New York, N. Y. Augmenting small phase differences. 2,475,020, July 5.
- Gabriloitch, Leonide E., New York, N. Y. Inverter and distorter for secret communications. 2,479,338, Aug. 16.
- Gadbois, Lewis F., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,463,373, Mar. 1.
- Gadwa, Truman A., Mount Vernon, and D. B. Flaws, assignors to The Lummus Company, New York, N. Y. Apparatus for contacting a liquid and a vapor. 2,470,483, May 17.
- Gaenssle, Paul W., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake mechanism. 2,464,680, Mar. 15.
- Gaertner, Charles K.: *See—*
Dibble, Frank B., Mercler, Duvoisin, and Gaertner.
- Gaetano, Ralph R., Woodmont, assignor to The American Windshield & Specialty Co., Milford, Conn. Self-extinguishing fire lighter. 2,467,886, Apr. 19.
- Gaetjens, Allen K., Cleveland Heights, Ohio, assignor to General Electric Company. Illuminated dial having polarizing elements. 2,482,410, Sept. 20.
- Gagarine, Dmitry M., Danville, Va., assignor to Dan River Mills, Incorporated. Polymeric polyhydric alcohol condensation products and treatment of cellulosic textiles therewith. 2,486,399, Nov. 1.

- Gage, Arnold W., C. M., and E. G., Clinton, Mass. Shuttle control mechanism for narrow ware looms. 2,490,589, Dec. 6.
- Gage, Charles M.: *See—*
Gage, Arnold W., C. M., and E. G.
- Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. Cathode-ray direction finder. 2,480,234, Aug. 30.
- Gage, Edwin G.: *See—*
Gage, Arnold W., C. M., and E. G.
- Gage, Ellsworth D., Arcadia, Calif. Coupling for overhead irrigation pipes. 2,477,592, Aug. 2.
- Gage, Glenn E.: *See—*
Woodland, Lester A., and Gage.
- Gage, William I., Lakewood, Ohio. Stationary filter type suction cleaner. 2,482,166, Sept. 20.
- Gagel, J. Frederic, assignee: *See—*
Ford, Shelley W.
- Gagliardi, Nicholas G., Brooklyn, A. A. Finger, New York, and R. J. Stanton, Brooklyn, assignors to Induction Heating Corp., New York, N. Y. Multiturn split inductor. 2,481,008, Sept. 6.
- Gagnan, Emile: *See—*
Cousteau, Jacques Y., and Gagnan.
- Gagne, Antoine F., Jr., Pompton Lakes, N. J., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition making machinery. 2,462,315, Feb. 22.
- Gagnebin, Albert P.: *See—*
Millis, Keith D., Gagnebin, and Pilling.
- Gagnier, George E., assignee: *See—*
Becker, Henry E.
- Gagnon, James, Olalla, Wash. Folding berry box. 2,471,147, May 24.
- Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Spectacle mounting having telescopically secured brace arms. 2,482,664, Sept. 20.
- Gagnon, Louis, Sault Ste. Marie, Ontario, Canada. Rail joint. 2,458,369, Jan. 4.
- Gagnon, Theodore L., Seekonk, Mass. Turnbuckle wrench. 2,475,606, July 12.
- Gaidos, Alonzo F., Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War. Cartridge belt link. 2,472,817, June 14.
- Gaidos, Alonzo F., Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War. Fire control mechanism. 2,482,753, Sept. 27.
- Gaidos, Alonzo F., Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War. Cartridge link. 2,488,531, Nov. 22.
- Gaidos, Alonzo F., Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War. Buffer mechanism for firearms. 2,491,492, Dec. 20.
- Gaines, Charles, Vallejo, Calif. Music sheet turner. 2,474,522, June 28.
- Gaines, Earl F., Milwaukee, and W. C. Lippert, Madison, Wis. Window construction. 2,482,707, Sept. 20.
- Gaines, Richard I., Port Arthur, Tex. Water heater. 2,479,042, Aug. 16.
- Gaines, Walter L., Urbana, Ill. Anticondensation device for flush tanks. 2,465,866, Mar. 29.
- Gaines, Wilbur L., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Index pulse generating circuit. 2,471,268, May 24.
- Gaines, William H., Estill Springs, Tenn. Crank handle for tools. 2,476,364, July 19.
- Gainey, Percy, Linden, N. C. Liquid fuel burner of the pot type. 2,481,104, Sept. 6.
- Gaino, John, Cleveland, Ohio. Machine for cleaning the surfaces of Venetian blind slats. 2,472,155, June 7.
- Galnor, Edmund A., Delmar, N. Y. Sleeping garment for infants. 2,491,855, Dec. 20.
- Gainsley, Sheldon H., Minneapolis, Minn. Wagon. 2,480,235, Aug. 30.
- Gair, Albert W., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Steering linkage. 2,479,339, Aug. 16.
- Gair, Robert, Company, Inc., assignee: *See—*
Blackwell, Preston J.
- Gaiser, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multilayer low light reflecting film. 2,478,385, Aug. 9.
- Gaiser, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Forming surface films by vapor coating and the article resulting therefrom. 2,478,817, Aug. 9.
- Gaiser, Romey A., and M. F. Schaible, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing low light reflecting films on glass surfaces. 2,490,263, Dec. 6.
- Gaither, Sam B., assignor of forty-nine per cent to A. Wilhelm, Dunsmuir, Calif. Journal lubricator. 2,480,567, Aug. 30.
- Gajewski, Ferdinand J., Linden, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Acyl polyalkylene-polyamine biguanides. 2,483,969, Oct. 4.
- Galbraith, Alexander W., Houston, Tex. Threaded tubular structure. 2,476,656, July 19.
- Galbraith, Edward R., East Orange, N. J. Toolholder and adapter chuck for motor-driven tools. 2,469,821, May 10.
- Galbraith, Fred, New York, N. Y. Combined ironing board cover and iron pad or pad holder. 2,458,698, Jan. 11.
- Galbraith, Fred, New York, N. Y. Reversible ironing board cover. 2,464,570, Mar. 15.
- Galbreath, Robert H., assignor to Howry-Berg Steel & Iron Works, Denver, Colo. V-belt sheave. 2,489,178, Nov. 22.
- Galbrecht, Frank I.: *See—*
Sabel, Edward R., and Galbrecht.
- Gale, Marvin E., and W. W. Warner, Pittsfield, Mass., assignors to General Electric Company. Sprue cutter for transfer molding devices. 2,471,148, May 24.
- Galen, Clarence W., assignor, by mesne assignments, to Pilot Distributing Company, Battle Creek, Mich. Draft or tow bar. 2,468,438, Apr. 26.
- Galetzky, Hyman, New York, N. Y. Mandolin pick. 2,459,274, Jan. 18.
- Galetzky, Hyman, Bronx, N. Y. Spectrum or pick for musical instruments. 2,484,820, Oct. 18.
- Galey, Floyd L., Detroit, Mich. Transporting motor vehicles. 2,471,521, May 31.
- Galey, James O., Nashville, Tenn. Magnetic doorstop. 2,468,969, May 3.
- Gallon Iron Works & Manufacturing Company, The, assignee: *See—*
Wright, Fred J.
- Galitzenstein, Eugen G., London, and C. Woolf, Finchley, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acetylenic alcohols. 2,488,082, Nov. 15.
- Galkin, Joseph, New York, N. Y. Belt loop sewing machine. 2,480,012, Aug. 23.
- Galko, Andrew J., Aberdeen, Md. Handwheel load measuring device. 2,469,381, May 10.
- Gall, James, Jeannette, Pa. Oil stick wiper. 2,470,484, May 17.
- Gall, John F., Narberth, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purification of crude sulfur hexafluoride. 2,462,379, Feb. 22.
- Gall, John F., Upper Darby, and H. C. Miller, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Electrochemical process for polishing tantalum. 2,466,095, Apr. 5.
- Gall, John F., Narberth, and H. C. Miller, Wyndmoor, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Electrochemical polishing of tantalum. 2,481,306, Sept. 6.
- Galla, Joseph J.: *See—*
Logie, Thomas T., and Galla.
- Gallagher, Edwin C.: *See—*
Bolley, Don S., and Gallagher.
- Gallagher, Joseph R., assignee: *See—*
Reynolds, Glenn M.
- Gallagher, Richard L., Erie, Pa. Letter tray. 2,470,347, May 17.
- Gallagher, William P., assignor to International Register Company, Chicago, Ill. Clock. 2,491,103, Dec. 13.
- Gallagher, William P., C. Weber, and P. E. Sutor, assignors to International Register Company, Chicago, Ill. Timing mechanism. 2,485,195, Oct. 18.
- Gallagher, William S., Brantford, Ontario, Canada. Self-feeding paste floor wax applicator. 2,474,733, June 28.
- Gallaber, Andrew J., St. Louis, Mo. Sectional boiler assembly. 2,461,597, Feb. 15.
- Gallaher, Clyde O., Thomas, W. Va., assignor to The Electric Railway Equipment Company, Cincinnati, Ohio. Safety connection and distribution box. 2,492,739, Dec. 27.
- Gallai-Hatchard, Marcel, Cheam, England. Breaking up foamed blast furnace slag and other smelts. 2,460,742, Feb. 1.
- Gallai-Hatchard, Marcel, Cheam, England. Apparatus for the preparation of porous slags or other smelts. 2,464,858, Mar. 22.
- Galliano, John, assignor to Galliano Manufacturing Co., Oakland, Calif. Die casting machine. 2,473,366, June 14.
- Galliano Manufacturing Co., assignee: *See—*
Galliano, John.
- Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Reciprocatory drive for machine tools. 2,483,535, Oct. 4.
- Gallina, Harold, Belleville, N. J. Protective device for automotive electric circuit. 2,485,727, Oct. 25.
- Gallington, Ralph O., College Park, Md., and J. M. Canaris, Arlington, Va. Protractor. 2,480,914, Sept. 6.
- Gallistel, Albert F., Jr., Madison, Wis. Camera cut film magazine. 2,483,578, Oct. 4.
- Galloway, Herbert E.: *See—*
Green, William G., and Galloway.
- Galloway, James W., Cedar Falls, Iowa. Furnace humidifier installation. 2,480,641, Aug. 30.
- Galloway, James W., Cedar Falls, Iowa. Prefabricated section for buildings and a seal for joints between sections. 2,480,642, Aug. 30.
- Gallup, Braxton E., Bound Brook, N. J., assignor to The Ruberoid Co., New York, N. Y. Making construction material. 2,475,781, July 12.
- Galstaun, Lionel S., San Francisco, and D. D. Thomas, Martinez, Calif. Gas analysis apparatus. 2,488,812, Nov. 22.
- Galter, Oscar, Chicago, Ill. Illuminated rattle for babies' cribs. 2,470,612, May 17.
- Galterio, Elia, Denver, Colo. Shoe stretcher. 2,488,720, Nov. 22.

- Galvin, Charles E., assignor, by decree of distribution and assignment, to R. M. Carey, Springfield, Ohio. Wool cutting machine and method. 2,462,090, Feb. 22.
- Galvin, Stephen L., North Bergen, assignor to Continental Foods, Inc., Hoboken, N. J. Packaged food composition. 2,468,744, May 3.
- Gamberg, Edward R.: *See—*
Jennings, Charles H., and Gamber.
- Gambill, Marvin, Odessa, Tex. Water softener. 2,474,145, June 21.
- Gambino, Nate, Modesto, Calif. Hair comb device. 2,470,157, May 17.
- Gamble Brothers, assignee: *See—*
Dosker, Cornelius D.
- Gamble, Elias U. and W. C. Colton, Calif. Crankcase oil gauge wiper. 2,483,536, Oct. 4.
- Gamble, Morgan F.: *See—*
West, Willis Z., Jr., and Gamble.
- Gamble, Ralph M., assignor to Jones & Lamson Machine Company, Springfield, Vt. Lathe. 2,489,023, Nov. 22.
- Gamble, Robert J., Milwaukee, Wis. Bicycle pedal. 2,461,049, Feb. 8.
- Gamble, Wayne C.: *See—*
Gamble, Elias U., and W. C.
- Gambrill, Richard D., and C. E. Lewis, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for locating faults in cables. 2,460,688, Feb. 1.
- Gambrill, Richard D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric motor control system. 2,479,920, Aug. 23.
- Gambrill, Richard D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for locating faults in cables. 2,481,655, Sept. 13.
- Gamer, Israel A., Newton, Mass. Four-in-hand necktie and making it. 2,465,584, Mar. 29.
- Gamertsfelder, Carl C., Jr., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fast neutron meter. 2,481,506, Sept. 13.
- Gamertsfelder, George R., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical apparatus. 2,480,187, Aug. 30.
- Gancer, Charles E., Oak Park, Ill. Try square. 2,474,577, June 28.
- Ganci, Charles J., Bellerose Manor, N. Y., assignor to Ward Leonard Electric Company. Resistive device. 2,477,121, July 26.
- Ganci, Charles J., Bellerose Manor, N. Y., assignor to Ward Leonard Electric Company. Electric resistive device. 2,491,965, Dec. 20.
- Gander, Arnold F., Berkeley, Calif. Flush type toggle latch. 2,479,921, Aug. 23.
- Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Nonrepeat means for calculating machines. 2,470,300, May 17.
- Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Tens carry mechanism for calculating machines. 2,473,422, June 14.
- Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage cushioning means for calculating machines. 2,473,471, June 14.
- Gangemi, John, Corona, N. Y. Fruit and vegetable slicer. 2,472,699, June 7.
- Gangie, Charles C.: *See—*
Loeser, George H., and Gangie.
- Gangneux, Rene: *See—*
Kopp, Georges, and Gangneux.
- Gann, Charles V., Garnett, Kans. Gear operated dual wrench. 2,479,225, Aug. 16.
- Gannon, Alfred C., assignor to Kingan & Co. Incorporated, Indianapolis, Ind. Sheet holding device. 2,482,058, Sept. 13.
- Gannon, Aubra L., Alameda, Calif. Power chain saw. 2,481,835, Sept. 13.
- Gannon, Irving J., and J. R. Harvey, assignors to The Ohio Boxboard Company, Rittman, Ohio. Blank aligning mechanism. 2,467,973, Apr. 19.
- Gannon, James E., assignor to American Electric Heating Company, Erie, Pa. Control circuits. 2,467,084, Apr. 12.
- Gannon, Larry D., R. E., and W. V., Great Falls, Mont. Horizontal rotating sifter. 2,466,309, Apr. 5.
- Gannon, Millard T., assignor to Polaroid Corporation, Cambridge, Mass. Dual-purpose light meter having swinging reflector. 2,467,304, Apr. 12.
- Gannon, Millard T., Westwood, assignor to Polaroid Corporation, Cambridge, Mass. Self-developing film holder. 2,483,390, Oct. 4.
- Gannon, Millard T., Westwood, assignor to Polaroid Corporation, Cambridge, Mass. Developing magazine for cameras. 2,483,391, Oct. 4.
- Gannon, Richard E.: *See—*
Gannon, Larry D., R. E., and W. V.
- Gannon, Thomas E., Oakland, assignor, by mesne assignments, to Fluid Control Engineering Co., Emeryville, Calif. Valve construction. 2,485,092, Oct. 18.
- Gannon, William V.: *See—*
Gannon, Larry D., R. E., and W. V.
- Ganoe, Carrie M.: *See—*
Ganoe, Charles V. and C. M.
- Ganoe, Charles V. and C. M., El Monte, Calif. Prosthetic limb socket for amputees. 2,464,443, Mar. 15.
- Ganoe, Charles V. and C. M., El Monte, Calif. Prosthetic knee joint. 2,465,585, Mar. 29.
- Ganong, Jonett C., Mahopac Falls, N. Y. Bait box. 2,473,874, June 21.
- Gans, Ralph A., Brooklyn, N. Y. Play pen. 2,491,966, Dec. 20.
- Gans, Robert S., Birmingham, assignor, by mesne assignments, to Lapeer Manufacturing Company, Detroit, Mich. Cigarette lighter. 2,479,827, Aug. 23.
- Gant, Lee W., McKinney, Tex. Cotton picker. 2,462,177, Feb. 22.
- Ganter, William E., Jr., Phoenix, Ariz. Linoleum cutting machine. 2,487,327, Nov. 8.
- Gantner, Edward G., and D. James, Chicago, assignors to Gantner Industries, Inc., Morton Grove, Ill. Cigarette dispenser. 2,479,340, Aug. 16.
- Gantner, Edward G., Golf, assignor to International Cellulose Products Company, Chicago, Ill. Dispensing package holder. 2,487,537, Nov. 8.
- Gantner Industries, Inc., assignee: *See—*
Gantner, Edward G., and James.
- Gantner, Jacob: *See—*
Spurlino, Pascal, Gantner, and Kreider.
- Gantvoort, John M., Somerville, N. J., assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,472,413, June 7.
- Gantz, Darwin L., Wilmington, Calif. Pipe elbow marking device. 2,464,444, Mar. 15.
- Ganz, Henry, West Englewood, N. J., assignor to The Personal Products Corporation. Tampon machine and making tampons. 2,462,178, Feb. 22.
- Gapen, Lonnie: *See—*
Gapen, Clarence A. and L.
- Gapen, Clarence A. and L., Morgantown, W. Va. Antiskid rubber tire. Re. 23,135, July 19.
- Garand, John C., Springfield, Mass. Hammer retarder for automatic firearms. 2,459,158, Jan. 18.
- Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Collapsible stock for firearms. 2,462,091, Feb. 22.
- Garand, John C., Springfield, Mass. Broaching cutter. 2,468,745, May 3.
- Garand, John C., Springfield, Mass. Firearm sight. 2,486,400, Nov. 1.
- Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Bipod. 2,489,283, Nov. 29.
- Garand, John C., Springfield, E. G. Cooper, Framingham, and J. R. Bird, Pittsfield, Mass., and H. C. Miller, Billings, Mo. Grenade sight for firearms. 2,458,510, Jan. 11.
- Garbarini, Robert F., Woodside, and R. S. Edwards, Mineola, N. Y., assignors to The Sperry Corporation. Magnetic clutch. 2,490,044, Dec. 6.
- Garbe, Howard W., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,477,332, July 26.
- Garbe, Howard W., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tunable magnetron. 2,480,462, Aug. 30.
- Garber, Claude Y., Kellogg, Idaho. Aligning means for conveyor belts. 2,488,859, Nov. 22.
- Garber, Claude Y., and F. M. McKinley, Kellogg, Idaho, assignors to The Sink & Float Corporation, New York, N. Y. Sink-float apparatus for separating solids. 2,465,220, Mar. 22.
- Garber, Daniel L., and E. Knobloch, Staten Island, N. Y. Gun sight. 2,486,940, Nov. 1.
- Garber, John D., Cranford, N. J., assignor to Standard Oil Development Company. Rust preventing composition. 2,490,264, Dec. 6.
- Garber, Nathan, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Relay circuit. 2,483,408, Oct. 4.
- Garber, Thomas H., U. S. Navy, Washington, D. C. Sealing wad. 2,476,291, July 19.
- Garberding, Waldo L., Chicago, Ill. Latch bolt guard. 2,484,024, Oct. 11.
- Garberding, Waldo L., Chicago, Ill. Making metal articles. 2,460,281, Feb. 1.
- Garbisch, Norbert S., assignee: *See—*
Bair, George J.
- Garbo, Paul W., Freeport, N. Y. Catalytic amidization process. 2,460,002, Jan. 25.
- Garbo, Paul W., Freeport, assignor to The American Metal Company, Limited, New York, N. Y. Fluidization in zinc production. 2,475,607, July 12.
- Garbo, Paul W., Freeport, assignor to The American Metal Company, Limited, New York, N. Y. Fluidizing process for zinc recovery. 2,478,912, Aug. 16.
- Garbuny, Max, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control device. 2,466,843, Apr. 12.
- Garcia, Henry J., New Britain, Conn. Tone bar for guitars, and the like. 2,490,517, Dec. 6.
- Garcia, Ivan M. A., Richland, Wash. Machine and method of uniting superimposed fabrics. Re. 23,132, July 12.

- Garcia, Max M., Los Angeles, Calif. Music stand. 2,473,199, June 14.
- Gard, Arthur W., Edgewood, assignor of one-fourth to W. H. Parmelee, Bethel Township, Allegheny County, and one-fourth to J. M. Guthrie, Crafton, Pa. Doorstop. 2,459,070, Jan. 11.
- Garday, Louis J., Glenview, assignor to Aircraft & Diesel Equipment Corporation, Chicago, Ill. Fuel injection pump. 2,463,374, Mar. 1.
- Gardenhour, Allen J., Waynesboro, Pa. Electric insect destroyer. 2,475,181, July 5.
- Gardenhour, Allen J., Waynesboro, Pa. Electric insect destroyer. 2,475,182, July 5.
- Gardenhour, Allen J., Waynesboro, Pa. Ball contactor switch. 2,487,433, Nov. 8.
- Gardenier, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Gas flow apparatus. 2,484,217, Oct. 11.
- Gardère, Henri, assignor to Compagnie General d'Electricite, Paris, France. Alternating-current signal transmitting system. 2,471,319, May 24.
- Gardes, Alfred W., Detroit, Mich., assignor to McCord Corporation. Electric roaster. 2,466,409, Apr. 5.
- Gardes, Alfred W., Evanston, assignor to Nutone, Incorporated, Chicago, Ill. Adjustable hanger for chime elements. 2,466,640, Apr. 5.
- Gardes, Alfred W., Detroit, Mich. Timing and control device. 2,472,818, June 14.
- Gardiner, Arthur W., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Torque meter. 2,476,410, July 19.
- Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Flow regulating valve. 2,476,720, July 19.
- Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Hydraulic power braking system. 2,478,475, Aug. 9.
- Gardiner, Duncan B., and B. L. Readman, assignors to Vickers Incorporated, Detroit, Mich. Hydraulic control panel. 2,491,371, Dec. 13.
- Gardiner, Earl E.: *See*—
Wooster, Leonard C., and Gardiner.
- Gardiner, Edward M., Schenectady, and O. W. Livingston, Scotia, N. Y., assignors to General Electric Company. Electric control circuits. 2,460,127, Jan. 25.
- Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Pulse-echo system. 2,467,202, Apr. 12.
- Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Compensated oscillator system. 2,484,562, Oct. 11.
- Gardiner, Thomas R., Piedmont, Calif. Stop device for anchor shanks. 2,480,188, Aug. 30.
- Gardner, Allen F., Birmingham, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,471,679, May 31.
- Gardner, Benjamin R., Dayton, Ohio, E. T. Wilbur, Ysillanti, Mich., and L. W. Aukerman, Peru, Ind. Blanking system for locked sweeps in panoramic systems. 2,490,045, Dec. 6.
- Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Velocity-modulated electron-discharge device. 2,464,801, Mar.
- Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Grid structure. 2,473,793, June 21.
- Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Velocity-modulated electron-discharge device. 2,488,906, Nov. 22.
- Gardner Board and Carton Co., The, assignee: *See*—
Ringle, William A.
- Gardner, Charles E., Queens, N. Y., assignor to Gardner Industrial Associates, Inc., Middlesex, N. J. Making article covers. 2,484,340, Oct. 11.
- Gardner, Charles E., Hollis, and E. B. Gardner, Williston Park, assignors to Gardner Industrial Associates, Inc., Hollis, N. Y. Apparatus for laterally stretching continuous sheets. 2,483,339, Sept. 27.
- Gardner, Dale, Detroit, Mich., assignor to G. M. and E. Holley. Inlet manifold. 2,477,732, Aug. 2.
- Gardner, Edward B.: *See*—
Gardner, Charles E., and E. B.
- Gardner, Emil M., Barberton, Ohio. Landing mechanism for airplanes. 2,453,845, Jan. 11.
- Gardner, Frances G., assignee: *See*—
Angermann, Willie A. C.
- Gardner, Guy B., Fairhaven, assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Regenerated cellulose dielectric material and producing the same. 2,460,282, Feb. 1.
- Gardner, Harold A., assignor to Eastman Kodak Company, Rochester, N. Y. Slide follower for slide projectors. 2,487,862, Nov. 15.
- Gardner, Harry J., Traverse City, Mich. Vegetable cutter. 2,484,281, Oct. 11.
- Gardner, Henry A., Laboratory, Inc., assignee: *See*—
Hunter, Richard S.
- Gardner, Herbert S., New York, N. Y., assignor to Trimfoot Company, Farmington, Mo. Shoe-fit indicator. 2,464,571, Mar. 15.
- Gardner Industrial Associates, Inc., assignee: *See*—
Gardner, Charles E.
Gardner, Charles E., and E. B.
- Gardner, Joseph G., Leadville, Colo. Drawbar for tractors. 2,465,641, Mar. 29.
- Gardner, Kenneth G., assignor of one-half to P. G. Gardner, Quincy, Mass. Foldable backrest. 2,490,297, Dec. 6.
- Gardner, Luther W., assignee: *See*—
Angermann, Willie A. C.
- Gardner, Norman G., Adrian, Mich. Trap hook. 2,485,728, Oct. 25.
- Gardner, Peter G., assignee: *See*—
Gardner, Kenneth G.
- Gardner-Richardson Company, The, assignee: *See*—
Ringle, William A.
- Gardner, Robert L., San Diego, Calif. Means and method for detecting leaks in drill stems. 2,461,727, Feb. 15.
- Gardner, Thomas S.: *See*—
Gearhart, William M., and Gardner.
- Gardner, Thomas S., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose esters of amino acids. 2,461,152, Feb. 8.
- Gardner, Wallace W., Glen Rock, N. J. Fastening device. 2,486,593, Nov. 1.
- Gardner, William J., Cleveland Heights, Ohio, assignor to Cleveland Clinic Foundation. Surgical dressing. 2,472,009, May 31.
- Garetson, Owen L., Roswell, N. Mex., assignor to Phillips Petroleum Company. Hose connector and valve. 2,473,704, June 21.
- Gargano, Guiseppi, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Method and apparatus for ripping and polishing wire drawing dies. 2,465,867, Mar. 29.
- Gargiulo, Giuseppe, Miami, assignor to S. S. Stearns, Miami Beach, Fla., and T. D. Stern, Chicago, Ill. Window structure. 2,478,044, Aug. 2.
- Garibaldi, John A.: *See*—
Dimick, Keene P., Stubbs, Garibaldi, Lightbody, and Fervold.
- Garlock Packing Company, The, assignee: *See*—
Chambers, Albert M., Jr.
- Garman, Raymond L.: *See*—
Lee, Richard W., and Garman.
Rosenberg, Paul, and Garman.
- Garmon Harry H., Jacksonville, Fla. Hull construction. 2,488,183, Nov. 15.
- Garms, Levi J., Lakewood, assignor to The Ferro Engineering Company, Cleveland, Ohio. Hot top blocking. 2,462,260, Feb. 22.
- Garnatz, George, N. H. Vollé, and F. E. Deatherage, assignors to The Kroger Grocery & Baking Company, Cincinnati, Ohio. Processing of shrimp. 2,488,184, Nov. 15.
- Garner, Clidith E., J. D. Matlock, Jr., L. C. Kramp, and J. H. Jamell, Fort Smith, Ark. Jig for assembling caskets or coffins. 2,476,721, July 19.
- Garner, John S., Darlington, S. C. Fishhook. 2,466,844, Apr. 12.
- Garner, Lexie H., Newport, N. C. Ring clamp for installing clutch shaft flange rings on a clutch shaft flange. 2,484,025, Oct. 11.
- Garner, Lloyd P., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,477,122, July 26.
- Garner, Philip J., Hooton, Wirral, and P. G. Croft-White, Chester, England, assignors to Shell Development Company, San Francisco, Calif. Stabilization of halogen-containing plastic compositions. 2,481,307, Sept. 6.
- Garnier, Edmund W., Hayward, Calif. Steel concrete form. 2,479,106, Aug. 16.
- Garnier, Jacques M., Neuilly sur Seine, assignor to M. A. B. E. C. Société Anonyme, Levallois-Perret, France. Steering elements of small and medium-sized motor cultivators. 2,468,659, Apr. 26.
- Garofalo, Ross J., assignee: *See*—
Hearst, John R.
- Garr, Donald E.: *See*—
Edwards, Martin A., and Garr.
- Garrard Engineering and Manufacturing Company Limited, The, assignee: *See*—
Mortimer, Edmund W.
- Garrard Engineering and Manufacturing Company, The, assignee: *See*—
Mortimer, Edmund W.
- Garrard, Howard F., Osborn, and E. V. Rupp, Dayton, Ohio. Pressure breathing mask for aviation. 2,473,518, June 21.
- Garratt, Charles S., Jr., Suffolk, Va. Flush valve mechanism. 2,482,970, Sept. 27.
- Garratt, Walter A., Covington, Ky., assignor to P. G. Vondersmith. Sound creating device. 2,492,740, Dec. 27.
- Garraway, George H., Westfield, N. J., assignor to H. K. Porter Company, Inc., Pittsburgh, Pa. Floating spacer bearing link for parallel shafts. 2,466,888, Apr. 12.
- Garraway, George H., Verona, N. J., assignor to Curtiss-Wright Corporation. Fluid pumping system. 2,475,316, July 5.
- Garretson, Donald J., Detroit, Mich. Gun lock. 2,479,107, Aug. 16.
- Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pressure controlled liquid outlet valve. 2,472,070, June 7.

- Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Tank car unloading system. 2,487,863, Nov. 15.
- Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Liquefied gas storage. 2,488,813, Nov. 22.
- Garretson, Owen L., W. R. Eddy, and T. A. St. Clair, Bartlesville, Okla., assignors to Phillips Petroleum Company. Cylinder filling and dispensing valve. 2,479,737, Aug. 23.
- Garrett, Bowman S., Brooklyn, N. Y., assignor to Standard Oil Development Company. Isobutylene extraction. 2,470,207, May 17.
- Garrett Corporation, Airesearch Manufacturing Company division, The, assignee: *See—*
Andersen, Soren K.
Arthur, Robert A.
Chapman, James E.
Ellis, Herbert B.
Kas, Robert L.
Kemper, James M.
Morris, Charles O.
Morris, Charles W.
Ramsaur, Walter R.
Roth, Herman P., and Warstler.
Thompson, John C.
Williams, Louis B.
Wood, Homer J.
- Garrett Corporation, The, assignee: *See—*
Green, Frederick H.
King, Leighton S.
Mayer, Waldemar F.
Ramsaur, Walter R.
Widgery, William M., and Richards.
Wood, Homer J.
- Garrett, Elmer E., Freeport, R. C. Steck, Mount Vernon, and A. T. Yasensky, Jamaica, N. Y., assignors to Polaroid Corporation, Cambridge, Mass. Photographic film holder. 2,471,522, May 31.
- Garrett, Emil, Quantico, Va. Flash hider for machine guns. 2,468,926, May 3.
- Garrett, Joseph D., Portland, Oreg. Oil burner with casing. 2,483,822, Oct. 4.
- Garrett, Maurice C., New York, N. Y. Pencil sharpener. 2,485,441, Oct. 18.
- Garrett, Orlando F.: *See—*
Almy, Emory F., and Garrett.
- Garrett, Patrick H., Mount Hope, W. Va. Baptismal apparatus. 2,462,627, Feb. 22.
- Garrett, Roy G., Edmond, Okla. Cutoff gauge for saw tables. 2,485,274, Oct. 18.
- Garric, Jean, Troyes, France. Manufacture of stockings, and the like. 2,491,173, Dec. 13.
- Garrigan, John E., Robbinsdale, and S. J. Durda, assignors of one-third to L. M. De Mars, Minneapolis, Minn. Electrically operated contact device. 2,478,691, Aug. 9.
- Garrigus, Robert O., West Palm Beach, Fla., assignor of forty-nine per cent to W. D. Harp. Spring-filled mattress. 2,466,096, Apr. 5.
- Garriott, Francis E., West Allis, assignor to Ampeco Metal, Inc., Milwaukee, Wis. Welding electrode. 2,463,096, Mar. 1.
- Garris, Marian A., Seattle, Wash. Combined condiment container. 2,469,034, May 3.
- Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Recovery of hydrocarbons. 2,477,367, July 26.
- Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. SiF_4 -impregnated alumina catalyst and preparing it. 2,483,130, Sept. 27.
- Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. SiF_4 -impregnated silica-alumina catalyst. 2,483,131, Sept. 27.
- Garrison, Edgar W., Jr.: *See—*
Turnham, Fitzhugh H., and Garrison, Jr.
- Garrison, Harry A., Minneapolis, assignor of one-half to J. F. Schwan, St. Paul, Minn. Sliding vane air compressor and exhaustor. 2,459,071, Jan. 11.
- Garrison, John W., Oceanside, Calif. Valve. 2,491,104, Dec. 13.
- Garrison, Kenton K., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Piezoelectric crystal structures. 2,474,241, June 28.
- Garrison, Ora H., and F. G. Leistner, Evansville, Ind. Shears sharpening device. 2,466,410, Apr. 5.
- Garside, John I., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,477,733, Aug. 2.
- Garson, Frank, assignor to The Lovable Brassiere Co., Atlanta, Ga. Brassiere. 2,486,836, Nov. 1.
- Garstang, William W., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Multiphase vibrator and vibrator system. 2,489,372, Nov. 29.
- Garth, Pauline E., Kansas City, Mo. Overshoe of vinylc material. 2,479,006, Aug. 16.
- Gartin, Elmer G.: *See—*
Curtis, John C., and Gartin.
- Gartin, Elmer G., Claremont, N. H., assignor to Joy Manufacturing Company. Chuck mechanism. 2,477,054, July 26.
- Gartman, Raymond A.: *See—*
Blake, Marion E., and Gartman.
- Gartner, Irl C., Dallas, Tex. Coat hanger attachment. 2,481,737, Sept. 13.
- Garverich, Edwin S., Upper Darby, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Laundry sour composition. 2,463,761, Mar. 8.
- Garvey, Andrew J., Omaha, Nebr. Husking roll. 2,464,974, Mar. 22.
- Garvin, Hilary B., Orlando, Fla. Electrical power distribution and control apparatus. 2,480,568, Aug. 30.
- Garvin, John S., New York, N. Y., and H. W. Herrington, Upper Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,463,609, Mar. 8.
- Garwood, Charles B., Linthicum Heights, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Making parisons. 2,471,369, May 24.
- Garwood, Ernest H., Long Beach, Calif. Lawn edger. 2,486,640, Nov. 1.
- Garwood, Victor W., London, England, assignor to Moore Business Forms, Inc., Niagara Falls, N. Y. Guillotine cutter. 2,477,295, July 26.
- Gary, Wright W., assignor to Filtrol Corporation, Los Angeles, Calif. Activating acid activatable clays. 2,464,127, Mar. 8.
- Garyait, Henry, assignor, by mesne assignments, to Van Horne Kaestner Leather Co., Milwaukee, Wis. Manufacturing shoe counters. 2,468,927, May 3.
- Gas Machinery Company, The, assignee: *See—*
Stookey, Kenneth W.
- Gase, Franklin L., Cleveland, Ohio. Machine for marking the surface of a column of plastic materials. 2,462,628, Feb. 22.
- Gash, Charles B., Oak Park, Ill. Latch. 2,472,474, June 7.
- Gasket Engineering Co., Inc., assignee: *See—*
Bitner, Robert J.
- Gaspar, Bela, Hollywood, Calif., assignor to Chromogen, Incorporated. Process for producing aldehydes and derivatives thereof. 2,465,586, Mar. 29.
- Gaspar, Bela, Hollywood, Calif., assignor to Chromogen Incorporated. Color photographic material and processes for producing same. 2,470,769, May 24.
- Gasparich, Anton, Oakland, Calif. File handle. 2,475,608, July 12.
- Gasser, Emil R.: *See—*
Erler, Johannes, and Gasser.
- Gassmann, August, Cleveland, Ohio. Oar reversing device. 2,480,013, Aug. 23.
- Gassmann, Raymond M., Wilmette, assignor of one-fourth to B. M. Kollath, R. Maier, and A. P. Stein, Chicago, Ill. Tube chamfering tool. 2,470,392, May 17.
- Gastonia Textile Machinery Company, Inc., assignee: *See—*
Barnes, Charlie W., and Cole.
- Gatch, James E., Macon, Ga. Trailer hitch. 2,457,885, Jan. 4.
- Gates, Ann Pryor, assignee: *See—*
Jenkins, Felton S.
- Gates, Charles T., Wendell, Idaho. Hay baler attachment. 2,467,025, Apr. 12.
- Gates Engineering Company, assignee: *See—*
Chamberlain, Kenneth P.
- Gates, Eugene H., Jr., and J. J. Smith, Essex, assignors to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Electrical timer. 2,479,922, Aug. 23.
- Gates, Frederic P., Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Plug in type electric switch. 2,492,856, Dec. 27.
- Gates, Herbert H., Shrewsbury, Mass. Protected transformer circuit for high-voltage tubes. 2,461,265, Feb. 8.
- Gates, Howard L., United States Navy. Fuel injection system. 2,462,854, Mar. 1.
- Gates, John C., Indianapolis, Ind. Hand truck with stair climbing shoe. 2,459,275, Jan. 18.
- Gates, Major E., Crystal Lake, Ill. Toggle press and molding articles from granular material. 2,471,563, May 31.
- Gates-Mills, Inc., assignee: *See—*
Barker, Le Roy W.
- Gates, Norbert S., Emerson, N. J., and A. J. Pinto, Brooklyn, assignors to Dreyfuss Art Co., Inc., New York, N. Y. Interleaving attachment for folders. 2,482,059, Sept. 13.
- Gates, Norbert S., Emerson, N. J., and A. J. Pinto, Brooklyn, assignors to Dreyfuss Art Co., Inc., New York, N. Y. Interleaving attachment for folders. 2,482,060, Sept. 13.
- Gates Rubber Company, assignee: *See—*
Nassimbene, Ernest.
- Gates Rubber Company, The, assignee: *See—*
Nassimbene, Ernest.
White, Thomas F.
- Gate-Way, Inc., assignee: *See—*
Schoepe, Adolf.
- Gathercoal, Bert E., River Grove, Ill. Valve for automatic sprinkler systems. 2,475,489, July 5.
- Gathman, Albert, Elizabeth, and R. W. Egberts, Roselle, N. J., assignors to Standard Oil Development Company. Extraction of ketones. 2,487,124, Nov. 8.
- Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Baltimore, Md. Mold assembly for producing cast metal slabs. 2,472,071, June 7.

- Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Baltimore, Md. Ingot mold. 2,472,072, June 7.
- Gathmann Research Incorporated, assignee: *See*—Gathmann, Emil.
- Gatter, Louis H.: *See*—Henderson, Prentice M., and Gatter.
- Gatti, Francois, Spiegel-Berne, Switzerland, assignor to G. Fabre, New York, N. Y. Nonstarch dessert composition. 2,485,043, Oct. 18.
- Gattuso, Peter F., Chicago, assignor to Woodstock Typewriter Company, Woodstock, Ill. Silent key mechanism for typewriters. 2,459,932, Jan. 25.
- Gaubatz, Arthur W.: *See*—Dolza, John, and Gaubatz.
- Dolza, John, and Gaubatz, Perish, and Kerfoot.
- Gaucher, Leon P., Mount Vernon, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon gas into carbon monoxide and hydrogen. 2,483,132, Sept. 27.
- Gaudette, Henry V., Los Angeles, Calif. Folding table. 2,471,564, May 31.
- Gauger, Frank A., Milwaukee, Wis. Automatic ignition and safety control means for gas burners. 2,478,386, Aug. 9.
- Gauger, Frank A., Milwaukee, Wis. Automatic lighting and control means for gas burners. 2,483,191, Sept. 27.
- Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Gas and liquid contact apparatus. 2,466,541, Apr. 5.
- Gaugler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,491,105, Dec. 13.
- Gauld, Brownlee B., Brookline, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Sending and receiving signaling system. 2,475,609, July 12.
- Gaulke, Erich, New Bedford, Mass. Rigger's vise for splicing wire and like material. 2,471,269, May 24.
- Gaumer, George K., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Screw and insert assembly. 2,490,683, Dec. 6.
- Gauss, Arthur H., Brooklyn, N. Y. Combined fireplace and table. 2,476,542, July 19.
- Gauthier, Ernest, assignee: *See*—Chaumerliac, André.
- Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for flat articles. 2,492,564, Dec. 27.
- Gautreau, Arthur G., Quincy, assignor to Andrews & Goodrich, Inc., Dorchester, Mass. Method and apparatus for drying web material. 2,462,380, Feb. 22.
- Gauvey, James C., Monahans, assignor of one-third to V. B. Gilbert, El Paso, Tex. Auxiliary spring. 2,468,364, Apr. 26.
- Gavan, Don P., assignee: *See*—Ewell, Andrew T.
- Gaveco Laboratories, Inc., assignee: *See*—Krauer, Otto, and Forsberg.
- Gavin, Edward M., Las Vegas, Nev., and R. E. Grey, Osborn, L. L. Aspellin, Elyria, Ohio, and G. F. Tate, Dayton, Ohio. Multiple tank fuel system with emergency pump to maintain required discharge pressure. 2,459,807, Jan. 25.
- Gavin, Edward M., United States Army, R. E. Grey, Osborn, L. L. Aspellin, Elyria, Ohio, and G. F. Tate, Woodland Hills, Calif. Multiple tank fuel system with combined emergency and booster pump to maintain required discharge pressure. 2,464,802, Mar. 22.
- Gay and Bell, assignee: *See*—Bell, Harry G.
- Gay-Bell Corporation, assignee: *See*—Bell, Harry G. and Gay, Jr.
- Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Banding apparatus. 2,490,795, Dec. 13.
- Gay, Clarence L., Detroit, Mich. Photographic agitator. 2,480,236, Aug. 30.
- Gay, Edward J.: *See*—Gay, Frederick C. and E. J.
- Gay, Frazier W., Metuchen, N. J. Disconnecting a faulted feeder circuit from a power circuit. 2,472,657, June 7.
- Gay, Frazier W., Metuchen, N. J. House heating system. 2,483,896, Oct. 4.
- Gay, Frederick C., Brooklyn, N. Y., and E. J. Gay, Westfield, N. J., assignors to Bingham Brothers Co., New York, N. Y. Dampening roller cover. 2,478,262, Aug. 9.
- Gay, Godwin R. F., Marblehead, Mass. Timing device. 2,461,266, Feb. 8.
- Gay, Jacob D., Jr.: *See*—Bell, Harry G. and Gay, Jr.
- Gay, John E., Newborn, Ga. Portable drill brace. 2,471,208, May 24.
- Gay, Rowe A., San Diego, Calif. Coin meter attachment for typewriters. 2,492,565, Dec. 27.
- Gayer, Frederick H., Chicago, assignor to Continental Research Corp., Chicago Heights, Ill. Distillation of hydrocarbons from aqueous resin acid soap solutions. 2,492,038, Dec. 20.
- Gayer, George F., Palo Alto, Calif., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Labyrinth packing. 2,458,988, Jan. 11.
- Gayer, John D., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Brush holder. 2,463,097, Mar. 1.
- Gayler, Cecil W., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Linear polyvinyl acetals. 2,487,864, Nov. 15.
- Gayler, Cecil W., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Plasticized vinyl chloride copolymers. 2,492,419, Dec. 27.
- Gayler, Cecil W., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Plasticized copolymers of vinyl chlorides. 2,492,420, Dec. 27.
- Gayley, Charles T., Lansdowne, Pa. Welding equipment. 2,469,382, May 10.
- Gaylor, Leon, Garland, Tex. Egg opener with pneumatic shelling means. 2,466,310, Apr. 5.
- Gaylor, Peter J., assignee: *See*—Givens, Melvin.
- Seckers, Stephen G.
- Gaylor, Peter J., Union, N. J. Self-defrosting refrigeration system. 2,461,636, Feb. 15.
- Gaylor, Peter J., Union, N. J. Phonograph needle sharpener. 2,465,442, Mar. 29.
- Gaylord, Asa K., Portland, Oreg. Control mechanism. 2,473,094, June 14.
- Gaylord Container Corporation, assignee: *See*—Hensley, Claude H.
- Gaylord, James M., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Submersible motor. 2,492,141, Dec. 27.
- Gaylord, James M., San Marino, and R. E. Ball, Long Beach, assignors to Byron Jackson Co., Vernon, Calif. Selective motor line connecting device. 2,460,415, Feb. 1.
- Gaylord, Peter J., assignee: *See*—Warden, Warren B.
- Gaylord Products, Incorporated, assignee: *See*—Norin, Allan A.
- Reynolds, Frank D.
- Gaynor, Arthur C., Stratford, assignor to J. F. Gaynor, Milford, Conn. Electric cam snap switch. 2,467,613, May 17.
- Gaynor, Arthur C., Stratford, assignor to J. F. Gaynor, Milford, Conn. Electrical wiring device. 2,467,820, Apr. 19.
- Gaynor, James W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Stabilized organic sulfur-containing composition and preparing same. 2,477,244, July 26.
- Gaynor, Joseph F., assignee: *See*—Gaynor, Arthur C.
- Gaynor, Keyes C., Sioux City, Iowa. Rail car road vehicle assembly. 2,489,024, Nov. 22.
- Gazda, Antoine, Providence, R. I. Spring handle bar for motor cycles and the like. 2,462,381, Feb. 22.
- Gazda, Antoine, Providence, R. I. Ice block releaser. 2,468,492, Apr. 26.
- Gazda, Antoine, Providence, R. I. Firing rate control mechanism for automatic firearms. 2,470,158, May 17.
- Gazda, Antoine, Providence, R. I. Helicopter with anti-torque reaction jet. 2,486,272, Oct. 25.
- Gazdick, Laszlo, McKeesport, Pa. Protector for pipes. 2,471,209, May 24.
- Gear Grinding Machine Company, The, assignee: *See*—Davis, Carl K.
- Gruenberg, Ivor J., and Davis.
- Gruenberg, Ivor J., and Mustonen.
- King, John L., Jr.
- Miller, Fred F., Jr.
- Gearhart, Ishmael H., Salem, Va. Cutter head. 2,479,923, Aug. 23.
- Gearhart, Roy E., Kansas City, Mo. Venetian blind. 2,459,517, Jan. 18.
- Gearhart, Roy E., assignor of one-half to A. Chambers, Kansas City, Mo. Typewriter platen control mechanism. 2,492,793, Dec. 27.
- Gearhart, William M., and L. W. A. Meyer, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose organic acid ester compositions containing 2,2'-dihydroxy benzalazine. 2,464,128, Mar. 8.
- Gearhart, William M., and T. S. Gardner, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Stabilizing cellulose esters and the products thereof. 2,475,953, July 12.
- Geary, Frederick L., Springfield, Mass. Game apparatus. 2,470,159, May 17.
- Geater, Harold L., Vinton, Iowa. Lawn trimming machine. 2,472,414, June 7.
- Gebel, Irving, Chicago, Ill., assignor to International Register Co. Coil construction and method. 2,471,869, May 31.
- Gebhardt, Robert E., Arlington, Va., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure switching apparatus. 2,486,742, Nov. 1.
- Gebhart, Arthur I., Union, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Reaction of organic compounds with hydrogen halides. 2,459,423, Jan. 18.
- Gebhart, Lee, assignee: *See*—McMorris, Emil R.
- Gebler, Herbert L., Silver Spring, Md. Gun sling keeper retainer. 2,480,129, Aug. 30.
- Geckler, Richard D., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Propellant charge for rocket motors. 2,479,828, Aug. 28.

- Geddes, George S., Vandalia, Ill. Micrometric caliper. 2,482,411, Sept. 20.
- Geddes, George S., assignor of one-half to W. W. Wills, Vandalia, Ill. Automatic motor vehicle transmission. 2,490,347, Dec. 6.
- Geddes, John W., Boston, assignor to H. K. Porter, Inc., Everett, Mass. Appliance for use in repairing automobile bodies. 2,458,370, Jan. 4.
- Gee, Alan E., assignor of three-fifths to A. D. Quaintance, Golden, Colo. Astrolabe. 2,466,225, Apr. 5.
- Gee, Albert H., assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. Surgical dispenser. 2,464,496, Mar. 15.
- Gee, George: *See*—
Cossette, Gideon, and Gee.
- Gee, Kenneth W., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of nitroparaffins. 2,464,572, Mar. 15.
- Gee, Norman E., Narberth, Pa. Flexible drive pinion. 2,477,175, July 26.
- Geenens, Leo, Katonah, N. Y. Lighting fixture assembly. 2,476,856, July 19.
- Geer, Charles W., Long Beach, Calif. Color television device. 2,480,848, Sept. 6.
- Gegauf, Fritz, assignor to Fritz Gegauf's Söhne Aktiengesellschaft, Steckborn, Switzerland. Sewing machine specifically adapted for domestic use. 2,464,079, Mar. 8.
- Gegauf, Fritz, assignor to Fritz Gegauf's Söhne Aktiengesellschaft, Steckborn, Switzerland. Mending of stockings in sewing machines. 2,471,370, May 24.
- Gegauf's, Fritz, Söhne Aktiengesellschaft, assignee: *See*—Gegauf, Fritz.
- Gehl Bros. Manufacturing Co., assignee: *See*—
Gehl, Henry M.
- Gehl, Henry M., assignor to Gehl Bros. Manufacturing Co., West Bend, Wis. Machine for harvesting corn and converting it into ensilage. 2,477,794, Aug. 2.
- Gehl, Henry M., assignor to Gehl Bros. Manufacturing Co., West Bend, Wis. Machine for gathering hay and conditioning it for animal food. 2,477,795, Aug. 2.
- Gehman, John B., Haddonfield, and A. H. Turner, Collingswood, N. J., assignors to Radio Corporation of America. Radio-frequency distribution transformer. 2,469,162, May 3.
- Gehmert, Adam, Marsh, Mont. Rail anchor and spike harness. 2,483,491, Oct. 4.
- Gehr, Richard A., Scotia, and H. W. Secor, Ballston Spa, N. Y., assignors to General Electric Company. Induction heating apparatus. 2,479,341, Aug. 16.
- Gehrandt, Gustav R., Evanston, Ill. Opposed piston engine. 2,462,092, Feb. 22.
- Gehrels, Cornelis A.: *See*—
Posthumus, Klaas, and Gehrels.
- Gehrler, Frederick W., assignor to Cook Electric Company, Chicago, Ill. Making a flexible corrugated wall. 2,479,677, Aug. 23.
- Gehrke, Forrest E., Flushing, N. Y., assignor to Sylvania Electric Products Inc. Thermionic discharge device. 2,484,703, Oct. 11.
- Gehrke, Henry M. E., Chicago, Ill. Heating and humidifying apparatus. 2,477,734, Aug. 2.
- Gehrke, Willard H., Menasha, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl acetate production. 2,485,044, Oct. 18.
- Geibig, Frank C., Westfield, N. J., assignor to The Linde Air Products Company. Multinozzle adjustable attachment. 2,492,526, Dec. 27.
- Geier, Conrad W., and A. L. Joslin, Robbins, N. C. Bobbin. 2,463,166, Mar. 1.
- Geiger, George M., and H. A. Donnenwirth, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Manufacturing pressure cylinders. 2,478,818, Aug. 9.
- Geiger, Lyle M., Edgewood, assignor to The Neville Company, Pittsburgh, Pa. Alcohol-soluble phenol-modified coumarone-indene resin. 2,466,889, Apr. 12.
- Geiger, Max: *See*—
Graenacher, Streuli, Geiger, and Usteri.
- Geigy, J. R., A. G., assignee: *See*—
Bossard, Werner.
Conzetti, Achille, and Schetty.
Hindermann, Peter.
Keller, Ernst.
Keller, Ernst, and Zweidler.
Martin, Henry, and Margot.
- Geigy, Jr. R., A. G., assignee: *See*—
Schwager, Eduard, and Bindler.
- Gels, Lester, New York, N. Y., and C. L. Metzler, Pallsades Park, N. J., assignors to American Optical Company, Southbridge, Mass. Tilttable cabinet with holding mechanism. 2,468,596, Apr. 26.
- Geis, Lester, New York, and R. E. Pope, Setauket, N. Y., assignors to Radio Corporation of America. Article holding album. 2,473,333, June 14.
- Geisel, Arthur F., assignor to Perfex Corporation, Milwaukee, Wis. Draft switch. 2,480,847, Sept. 6.
- Geiselman, Ralph A.: *See*—
Stoltz, Glenn E., Erbe, and Geiselman.
- Geiselman, Ralph A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,482,474, Sept. 20.
- Geiselman, Ralph A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reactor. 2,488,393, Nov. 15.
- Geiselman, Ralph A., and W. H. Cuttino, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,470,614, May 17.
- Geisendorff, Ernest G., Bellville, Tex. Wire stretcher. 2,469,766, May 10.
- Geiser, Carl: *See*—
Osterlund, Soren B., and Geiser.
- Geiser, Kenneth R., Schenectady, N. Y., assignor to General Electric Company. Electronic amplifier for galvanometer oscillographs. 2,465,082, Mar. 22.
- Geiss, Albert E., Oak Park, and J. A. Montgomery, assignors to Bowman Dairy Company, Chicago, Ill. Flexible nozzle operated dispensing valve. 2,487,434, Nov. 8.
- Geisse, John H., Washington, D. C. Cross-wind landing gear shock absorber for airplanes. 2,472,415, June 7.
- Geissler, Henry, Sharon, and J. Cassie, Dedham, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fan. 2,476,543, July 19.
- Gelst, John C., Avon, N. J. Frequency modulation radio transmitter. 2,489,284, Nov. 29.
- Geizer, Harvey E., Mentor, and J. C. Geizer, Jr., Cleveland, Ohio. Universal attachment stand. 2,460,880, Feb. 8.
- Geizer, John C., Jr.: *See*—
Geizer, Harvey E. and J. C., Jr.
- Gelardin, Albert, New York, N. Y. Direct reading, visual index forming intersection pattern thread and line counter. 2,475,490, July 5.
- Gelardin, Albert, New York, N. Y. Lipstick case. 2,491,721, Dec. 20.
- Gelardin, Albert, New York, N. Y. Lipstick case. 2,491,722, Dec. 20.
- Gelardin, Albert, New York, N. Y. Lipstick case. 2,491,723, Dec. 20.
- Gelardin, Albert, New York, N. Y. Lipstick case. 2,491,724, Dec. 20.
- Gelardin, Benjamin, New York, N. Y. Holding device for electric dry batteries. 2,476,722, July 19.
- Gelatka, Victor W., Chicago, Ill. Volatile liquid dispenser. 2,475,231, July 5.
- Gelb, Herbert, assignor to J. Gelb, doing business as Joseph Gelb Company, New York, N. Y. Halftone screen holder. 2,473,023, June 14.
- Gelb, Joseph, Company: *See*—
Gelb, Herbert.
- Gelb, Samuel E., Bronx, N. Y. Rack. 2,477,977, Aug. 2.
- Gelbman, Louis, Yonkers, N. Y. Pallet charging and tiering machine. 2,467,203, Apr. 12.
- Gelbman, Louis, Yonkers, N. Y. Truck hoist. 2,478,094, Aug. 2.
- Gelco Development Corporation, assignee: *See*—
Gelpke, Karl A.
- Geller, Samuel, Brooklyn, N. Y. Clothespin rack. 2,485,275, Oct. 18.
- Gellman Manufacturing Company, assignee: *See*—
Petskeyes, Charles H.
- Gelpke, Karl A., Edgefield, S. C., assignor to Gelco Development Corporation, Canton, Mass. Spindle adapter. 2,463,484, Mar. 1.
- Gelpke, Karl A., Edgefield, S. C. Spindle. 2,485,093, Oct. 18.
- Geltz, Zelma, Mason, Wis. Pantie girdle. 2,478,263, Aug. 9.
- Gem Participations, Inc., assignee: *See*—
Miller, Isador, and Beiser.
- Gemco Engineering & Manufacturing Co., Inc., The, assignee: *See*—
Pflantz, Clarence C., and Rabe.
- Gemeny, Blaine B., Chicago, Ill. Antiskid device. 2,460,003, Jan. 25.
- Gempp, Jesse L., Los Angeles, Calif. Bracket for burglar alarms. 2,492,474, Dec. 27.
- Genas, Michailas, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, and Societe des Produits Chimiques des Terres Rares, Paris, France. Method for preparing the 11-amino-undecylic acid. 2,462,855, Mar. 1.
- Genazzani, Roger U.: *See*—
Ward, George C., and Genazzani.
- Gendel, Alice, assignee: *See*—
Rosen, Paul.
- Gendron Wheel Company, assignee: *See*—
Rideout, John G.
- General American-Duryea Corporation, assignee: *See*—
Wieden, Herbert J., Traphagen, and Stoner.
- General American Transportation, assignee: *See*—
Irwin, Henry.
- General American Transportation Corporation, assignee: *See*—
Greenawalt, John E.

General Aniline & Film Corporation, assignee: *See*—

Anish, Alfred W.
 Anish, Alfred W., and Clark.
 Barnes, Carl E.
 Barnes, Carl E., and Ney.
 Barnes, Carl E., and Ney, Jr.
 Bayley, Abraham.
 Beller, Hans.
 Beller, Hans, Christ, and Wuerth.
 Bergstrom, Herman A.
 Botkin, Carl, and Slikin.
 Copenhaver, John W.
 Coroniti, Samuel C.
 Dersch, Fritz.
 Dersch, Fritz, and Clark.
 Duerr, Herman H., Morreall, Jr., and Harsh.
 Easton, Russell P.
 Famulener, Keith.
 Fox, Arthur L.
 Fox, Arthur L., Sanders, and Olsen.
 Friedman, Joseph S.
 Gajewski, Ferdinand J.
 Grimmel, Harry W., and Freyermuth.
 Grimmel, Harry W., and Richter.
 Grosser, Frederick.
 Haff, Richard M.
 Harsh, Harold C., and Bates.
 Harsh, Harold C., Haff, and Kaszuba.
 Heimbach, Newton, and Kelly, Jr.
 Herzig, Henry A.
 Jacobson, Carl H.
 Johnston, Robert C.
 Jones, Giffin D.
 Kaszuba, Frank J.
 Kellog, Henry B.
 Mackey, E. Scudder.
 Marnon, Donald E., and Strobel.
 Max, Fritz, and Randall.
 Mayhew, Raymond L.
 Nawiasky, Paul, Schenck, and Stevenson.
 Neubert, Willi, Krzikalla, and Armbruster.
 Neumann, Fred W.
 Paige, John.
 Peterson, Williard D.
 Prentice, Russell E.
 Raymond, George G.
 Beckmeyer, Verne H.
 Roehrl, Bruno C.
 Rottschaefer, Bernard W.
 Schildknecht, Calvin E.
 Schmidt-Nickels, Wilhelm.
 Schmidt, Willy A., and Tulagin.
 Slikin, Sam C.
 Sprung, Joseph A., and Schmidt.
 Sweet, Monroe H.
 Thompson, Henry T.
 Thompson, Thomas R.
 Trump, Frederick O.
 Tulagin, Vsevolod, and Schmidt.
 Verdery, Charlotte G., and Vogt.
 Vogt, Curt G.
 Vogt, Curt G., and Wilkinson, Jr.
 Von Glahn, William H.
 Von Glahn, William H., and Stanley.
 Wilkinson, Joseph M., Jr.
 Willcox, Frederick P.
 Zimmerman, Bernhard G.
 Zoss, Abraham O.

General Baking Company, assignee: *See*—

Maull, Harry W., and Sauter.

General Binding Corporation, assignee: *See*—

Emmer, Charles E.

General Biochemicals, Inc., assignee: *See*—

Tabor, Joseph M., Seibert, and Frohring.

General Controls Co., assignee: *See*—

Ray, William A.
 Sagar, Paul B.

General Detroit Corporation, The, assignee: *See*—

Barclay, Ivar.

General Dry Batteries, Inc., assignee: *See*—

Birdsall, Charles G.
 Delbel, Cyril P.
 Rock, Arthur F.

General Electric Company, assignee: *See*—

Abrahams, Irwin C., and Norgaard.
 Adams, Roy L., and Zickrick.
 Adamson, Arthur P.
 Alcher, John O.
 Alexanderson, Ernst F. W.
 Alexanderson, Ernst F. W., Edwards, and Hoyt.
 Almasy, George W.
 Alois, Frank J., and Samsel.
 Atchison, Leonard W.
 Atwood, Winfield A., and Roehne.
 Ayers, Edgar H., and Elmendorf.
 Bachman, Charles H.
 Bachman, William S.
 Batley, Francis M.
 Baker, Donald R.
 Baker, John H.
 Ballard, Robert G.
 Bany, Herman.
 Baranowski, Frank, Jr.
 Barliff, Herbert F.

General Electric Company, assignee: *See*—Continued.

Barr, James R.
 Barr, Samuel R.
 Bartelink, Everhard H. B.
 Barwick, Emerson C.
 Baskerville, Ralph J.
 Bassett, Merton O.
 Bateman, Amos W.
 Baumann, Frederick W.
 Bayer, Charles H.
 Bazley, Carl E.
 Bechard Conrad E.
 Beckwith, Robert W.
 Beggs, James E.
 Bennett, Robert M.
 Bensen, Igor B.
 Berghorn, Paul A.
 Beymer, Oliver H.
 Bialous, Adolf J.
 Bishop, Nathaniel.
 Bivens, Maurice E.
 Bjontegard, Arthur M.
 Blewett, John P.
 Blewett, John P., and Langmuir.
 Bischoff, Alfred F.
 Blume, Louis F., and Minneci.
 Blood, Walter R.
 Bohrer, George J.
 Bondley, Ralph J.
 Bourne, Harry K.
 Bower, George W.
 Branson, Norman G.
 Breadner, Robert L., Simms, and Harris.
 Breadner, Robert L., Jenkins, and Simms.
 Brittain, Francis H., and Ransley.
 Britten, Herman.
 Brockman, Francis C.
 Broverman, Michael.
 Brown, Coy W.
 Brown, George M.
 Burchell, Robert E.
 Bush, Ralph R.
 Bush, Ralph R., and Clark.
 Butler, William L.
 Byrne, John F.
 Cady, Charles E.
 Cain, Basil S.
 Callinan, Thomas D.
 Camilli, Guglielmo.
 Camilli, Guglielmo, and Boyajian.
 Camilli, Guglielmo, and McKenney.
 Camilli, Guglielmo, Montsinger, and Chapman.
 Campbell, John H.
 Canada, Alfred H.
 Carleton, Granville E.
 Carton, Paul O.
 Cartun, Paul O.
 Chalberg, Harry W. A.
 Cheeseman, Ralph T., and Harty.
 Choudhury, Shafi-uddin A.
 Clack, Basil N.
 Clapp, Charles W.
 Clark, David L.
 Clark, Frank M.
 Clark, Frank M., and Lipsey.
 Clark, Howard L.
 Cockrell, William D.
 Coggeshall, Thellwell R.
 Concordia, Charles, and Dowell.
 Cook, Ellsworth D.
 Cook, Leonard W.
 Cooper, Benjamin.
 Cooper, James T., and Logan.
 Crary, Selden B.
 Crary, Selden B., and Hartman.
 Cress, Jay J.
 Crever, Frederick E.
 Crowley, George C., and Klein.
 Cummings, Harold R.
 Custin, Thomas G.
 Cuthbertson, William J., and Schell, Jr.
 Dana, Junius.
 Davids, Hugh H.
 Davies, David R.
 Davies, Leonard J., and Bourne.
 Davis, Glenn G.
 Davis, Maurice F.
 De Groat, Charles T.
 Delvaux, Jean L.
 Denham, Robert H.
 Deniau, André J.
 D'Entremont, Franklin R.
 Derbyshire, Charles E.
 De Vine, Donald F.
 De Walt, Kenneth C., and Curtis.
 Di Giorgio, Philip A., and Newkirk.
 Dillow, Noel E.
 Dodson, Wayne E.
 Dome, Robert B.
 Doyle, Charles D.
 Drisko, John W.
 Dunn, George B.
 Dutton, George I., and Fountain.
 Edwards, Martin A., and Garr.

General Electric Company, assignee: *See*—Continued.

Edwards, Martin A., and Lewis.
 Ehrman, Richard C.
 Elder, Frank R.
 Elder, Thomas A., and Crawford.
 Elenbaas, Willem.
 Elmendorf, Buryea E.
 Elston, Charles W.
 Evans, Lewis W., and Olsen.
 Ewing, Samuel C.
 Fagley, Gilbert H.
 Falk, Charles J., Fairley and Short.
 Farnham, Sherman B., and Sheppard.
 Faus, Harold T.
 Faus, Harold T., and Perotte.
 Favre, John A.
 Ferguson, Charles S., and Welsh.
 Fiene, Marcus E.
 Fisher, Alec.
 Fisher, Sidney O.
 Flaws, John, Jr.
 Fleming, Hugh B., and Brown.
 Fletcher, George H.
 Flynn, Edward J., and Lasak.
 Force, Jonathan.
 Foulds, John P.
 Found, Clifton G., and Winninghoff.
 Fowler, John.
 Francis, Victor J.
 Francis, Victor J., and Nelson.
 Frazier, Richard D.
 Froelich, Herman C.
 Fuller, Roger A.
 Fyler, George W.
 Gabor, Dennis.
 Gabrielson, Samuel.
 Gaetjens, Allen K.
 Gale, Marvin E., and Warner.
 Gardiner, Edward M., and Livingston.
 Gardiner, Paul C.
 Gehr, Richard A., and Secor.
 Geiser, Kenneth R.
 Gethmann, Richard B.
 Giegerich, Bertrand V., and Ryder.
 Gilliam, William F.
 Gilliam, William F., and Meals.
 Goff, Robert W.
 Goldberg, Arnold.
 Goodale, Charles J., and Marvin.
 Gooskens, Henricus.
 Gordy, Thomas D.
 Goss, Wesley R.
 Graham, Douglas H., Forsling and Tabberer.
 Granfield, John C.
 Greiner, Alfred.
 Griffin, Wilfrid.
 Griffiths, Leonard and Fardon.
 Grigorieff, Vladimir W.
 Gurewitsch, Anatole M.
 Haber, Charles P.
 Hahn, William C.
 Hall, Chester I.
 Hall, Robert N., Sharbaugh, and Tonks.
 Halstead, Gerald G., and Russ.
 Ham, Philip W.
 Hamm, Clarence L.
 Hammes, Alfred D.
 Hannon, Cyril H., and Jenny.
 Hausell, Erik B.
 Hansen, Albert, Jr.
 Hansen, Elmer F.
 Hanson, Earl C., and Watts.
 Harding, George D.
 Harkness, Joseph R., and Wargin.
 Harlow, Winton G.
 Hausheer, Emil M.
 Hawkins, Cyril G.
 Hayward, Claude D.
 Headley, Francis B.
 Hehenkamp, Theodorus, and DeJong.
 Hemker, Arthur H.
 Herskind, Carl C.
 Herskind, Carl C., and Kuenning.
 Herskind, Carl C., and Mulhern.
 Hertel, Roland F.
 Hewlett, Clarence W.
 Hibberd, Robert G.
 Hiehle, Michael E.
 Higham, Edward H.
 Hills, William B.
 Hoare, Stephen C.
 Hodge, William F.
 Hodgkins, Raymond L., and Hunter.
 Hoffman, Herbert N.
 Hollingsworth, Guilford L., and Schuster.
 Hopkirk, Kenneth R.
 Howard, Alan.
 Hsu, Eugene T.
 Hubbard, Albert B.
 Hull, Albert W.
 Hunter, James P.
 Hurd, Dallas T.
 Huston, Claude B.
 Hutt, Philip.

General Electric Company, assignee: *See*—Continued.

Ickis, Lynn S.
 Inman, George E.
 Ista, Paul E.
 Jacob, Don M.
 Jacobsen, William E.
 Jenkins, Robert S.
 Jewell, Richard G.
 Jewell, William R.
 Johnson, Frithiof V.
 Johnson, Ingolf B.
 Johnson, Wilber M.
 Jones, Henry C., Jr.
 Jones, Ray D., and Merrill.
 Jordan, John P.
 Jordan, Matthew A.
 Jordan, Paul B., and Pipkin.
 Kaar, Ira J.
 Kalikow, Irving.
 Keim, Donald B.
 Kern, Edward A., and Abbott, Jr.
 Kesselring, Kenneth A.
 Klasens, Hendrik A., and Holmes.
 Kline, Hasley W.
 Knight, Henry de Boyne.
 Kriebel, Robert H.
 Kroger, Ferdinand A., and Broos.
 Lafferty, James M.
 Lambert, Gregorius J., and Padmos.
 Lamoreaux, Harry F.
 Lange, Carl W.
 Langmuir, Irving.
 Langmuir, Robert V., and Peters, Jr.
 Larkin, Thomas E.
 Larrick, Charles V.
 Lasher, Hiram S., Jr.
 Latta, Isaac R.
 Lavender, Raymond W.
 Lawson, Harold H.
 Leighton, Leroy G.
 Lemmers, Eugene.
 Lentz, George W.
 Levine, Samuel J.
 Liebhaufsky, Herman A., and Bronk.
 Liebmann, Gerhard.
 Lincks, George F.
 Linville, Thomas M.
 Linville, Thomas M., and McMahan.
 Livingston, Orrin W.
 Logan, James T.
 Lord, Harold W.
 Lowndes, John H.
 Ludn, Wilfrid H.
 Lynn, Lambert H.
 Macchi, Aldo.
 Mandl, Arthur.
 Marsden, James, and Roedel.
 Marshall, George K.
 Martin, Harold M.
 Martin, Samuel, Jr.
 Martt, Ernest C.
 Matthes, Kenneth N.
 Matson, William N., and Jacobs.
 McArthur, Elmer D.
 McDowell, Earle B.
 McKeag, Alfred H., and Ranby.
 McKenney, James F.
 McNairy, Jacob W.
 Mead, Milton S., Jr.
 Meese, George E.
 Meier, Edwin H., and Schlaflay, Jr.
 Meiklejohn, William H.
 Merrill, Frank W.
 Michel, Philip C.
 Mickle, Edwin R.
 Miller, Charles W.
 Mills, Robert V., Clark, and Ruff.
 Minnedi, Salvatore.
 Mittermaier, Armin F.
 Moe, William W.
 Moles, Frank J., and Michel.
 Moriarty, Charles D.
 Neal, Stanford.
 Newell, Heber L.
 Newkirk, Arthur E.
 Nigg, Donald J.
 Noble, Sidney H.
 Noel, Edward B.
 Noel, Edward B., and Davis.
 Noel, Edward B., and Seitz.
 Norgaard, Donald E.
 Nyburg, James K.
 Ogle, Hugh M.
 Olcott, Eugene L.
 Olson, Frederick A.
 Ordas, Arthur F.
 Osman, Lee E.
 Otis, Albert N.
 Overbeek, Jan T. G.
 Overbeek, Jan T. G., and Kröger.
 Palme, Arthur.
 Palme, Arthur, and McCarty.
 Palmer, John H., and Dayton.
 Patnode, Winton I.

General Electric Company, assignee: *See*—Continued.

Patterson, Franklin G.
Pecoroni, Valentine W., and Gethmann.
Pennell, William C.
Penon, Rene, and Lemaigre-Voreaux.
Perry, Charles L.
Peters, Philip H., Jr.
Peterson, Eric O., and Forstrom.
Peterson, Harold A.
Pfuntner, Richard A., and D'Entremont.
Pinkerton, David C.
Pistey, John M.
Pollock, Alan A.
Pollock, Herbert C., and Westendorp.
Posey, William T.
Poskitt, Ralph L., and Irby.
Potter, Everett F.
Potter, Frederick M.
Potts, Phil S.
Powers, James H.
Prescott, Arthur C.
Prince, David C.
Pringle, William A.
Pringle, William A., and Goss.
Proffitt, Stanley H., and Choules.
Purcell, James T.
Quinn, Frederic R.
Race, Charles L.
Rankin, Andrew W.
Read, John C.
Reed, Wade.
Reich, William A.
Reinhardt, Bryson R.
Revercomb, Henry E., and Morse.
Revercomb, Henry E., and Watts.
Reynolds, Merl T.
Rich, Theodore A.
Richardson, Ernest L.
Ridgley, Charles H., Andersen, and Truesdell.
Rochow, Eugene G.
Rowe, Robert F.
Rubel, John H., and Troell.
Ruff, Harold R.
Ruff, Harold R., and Russell.
Sage, Craig M.
Sauer, Robert O.
Schaefer, Vincent J.
Scheldorf, Marvel W.
Schmerheim, John F.
Schneider, Elbert D., and Chin.
Schnoor, Frederick D., and Hardy.
Schultz, Wilbur A.
Scoles, Graham J.
Scott, William J.
Seely, Richard E.
Sharrow, Robert F., and Herman.
Shea, Richard F.
Shildneck, Lloys P., and Lyons.
Short, Thomas T.
Shuler, Sanford A., Jr.
Sills, Earl H.
Sittner, George H.
Smith-Johannsen, Robert, and Vonnegut.
Smith, Robert E.
Smith, Sidney R., Jr.
Smoluchowski, Roman.
Snell, Jacob K.
Soley, William A., Jr.
Somerville, Gareth G.
Songer, Leo W.
Spiro, Benjamin E.
Spofford, Warren A.
Sprenger, George W.
Sprung, Murray M.
Sprung, Murray M., and Wilcock.
Stark, Julian H.
Steenstrup, Carl H.
Stephenson, Hugh M.
Stewart, Harold C., and Holcomb.
Stimson, Allen G.
Stone, Melvin L.
Stred, Dale D.
Strickland, Royal F.
Sullivan, Earle C.
Summerhayes, Harry R., Jr.
Summerhayes, Harry R., Jr., and Howells.
Sway, Henry C.
Swenson, Alfred G.
Taylor, Augustus H.
Teare, William H.
Thies, Ludwig E.
Thomas, Charles A.
Thomas, Henry P.
Thorson, Harry L.
Tiffany, Raymond E., and Krajcik.
Tillman, Irvin C.
Tillman, John E.
Tinker, Randall B.
Tustin, Arnold.
Tower, Dell K., and Beall, III.
Unger, Magnus.
Van Billiard, Lewis H.
Van Horn, Irving H., and Leighton.
Van Liempt, Johannes A. M.

General Electric Company, assignee: *See*—Continued.

Van Liempt, Johannes A. M., and Bergmans.
Van Nordstrand, Robert D.
Verbeek, Leo H., and Gerritsma.
Vienneau, Jacob J.
Vladimir, Leonard O.
Von Hoorn, Fred G.
Walle, Ludwig S., and Linde.
Walsh, Robert.
Warner, Donald F.
Warnock, Frank E.
Warren, Glenn B., and Parker.
Warrington, Albert R. and van C.
Watson, Robert P.
Watts, Donald E.
Welch, Alanson U., Jr.
Wellings, John G.
Wellman, Albert.
Wells, Bruce A.
Wells, Robert S.
Wendt, Harry C.
Westendorp, Willem F.
Wightman, Lawrence W.
Wilbur, Donald A.
Wilcock, Donald F.
Wilcock, Donald F., and Chace.
Willis, Clodius H.
Willits, Glenn D.
Wilson, Wayne E.
Worcester, Joseph A., Jr.
Worth, Thomas F.
Wotring, Gaylord H.
Wyer, Richard F.
Yetter, John W., and Langer, Jr.
Young, Charles M.
Young, William R.
Zabel, William P.
General Electric Company Limited, The, assignee: *See*—
Brittain, Francis H.
Dale, Samuel H.
Harrison, William J. D.
Hawkins, Frank S.
Heller, Douglas M.
General Electric X-Ray Corporation, assignee: *See*—
Atlee, Zed J.
Atlee, Zed J., and Lange.
Brown, Allan R.
Files, Glenn W.
Juhlin, Gustaf A., and Walker.
Shannon, William D.
Zunick, Michael J.
General Electronic & Manufacturing Co. of America, assignee: *See*—
Von Liedtke, Rudolph H.
General Engineering Company (Canada) Limited, The, assignee: *See*—
Low, Archibald R., and Segsworth.
General Engineering and Dry Dock Corporation, assignee: *See*—
Tydeman, Clarence W.
General Engineering & Manufacturing Company, assignee: *See*—
Gygax, Ernest.
General Excavator Company, The, assignee: *See*—
Barnhart, Edgar W.
General Fibre Products Co., assignee: *See*—
Pollock, Jacob.
General Fireproofing Company, The, assignee: *See*—
Purnell, Edward A.
General Foods Corporation, assignee: *See*—
Bender, Charles R.
Dunn, Joseph A., and Miller.
Hall, Bicknell.
Jones, Robert F.
Kaufman, Charles W., Burgess, and Hollis.
Kempf, Norman W., and Hoben.
Kremers, Roland E.
Raye, George W.
General Implement Corporation, assignee: *See*—
Karl, George E.
General Industries Company, The, assignee: *See*—
Carrington, Blake W.
General Mills, Inc., assignee: *See*—
Aske, Leonard E.
Brastad, William A., and Borchardt.
Buechele, Andrew C.
Clements, William E.
Floyd, Don E.
Isbell, Arthur F.
Jakobsen, Jakob L.
Mitchell, George J.
Moe, Owen A.
Norris, Frank A.
Roach, John R.
Roach, John R., and Wittcoff.
Terry, David E., and Wheeler.
Warner, Donald T., and Moe.
Wittcoff, Harold.
General Motors Corporation, assignee: *See*—
Alexander, Donald F.
Almen, John O.
Antonidis, John E.
Arthur, James L.
Bales, Max G.

General Motors Corporation, assignee: *See*—Continued.

Bayless, Russell E.
 Bean, Xarifa L.
 Berninger, Kenneth L.
 Bolles, Julius H., Antonidis, and Critchfield.
 Bragdon, Thomas, MacNeil, Stuart, III, and Williams.
 Brill, William E.
 Brown, Bernard A., and Houck.
 Brown, William E.
 Browne, Donald B.
 Burge, James S., Rider, Salatin, and McKee.
 Bychinsky, Wilfred A., and Church.
 Candor, Robert R.
 Carson, Howard, and Duer.
 Carson, Howard, Geyer, and Light.
 Chase, Theron P.
 Clark, Harry F.
 Clark, Kendall.
 Clark, Kendall, and Sisson.
 Clifton, Frank L.
 Critchfield, Robert M., and Schneider.
 Dilworth, Richard M.
 Dilworth, Thomas B.
 Dolza, John, and Gaubatz.
 Dolza, John, Gaubatz, Perish, and Kerfoot.
 Dolza, John, Trisler, and Paton.
 Dreher, Hedley E.
 Dybvig, Edwin S.
 Early, Harold C., and Dow.
 Early, Harold C., Dow, and Ohlsson.
 Eberlein, Otto H., and Young.
 Erwin, Wesley S.
 Eshbaugh, Jesse E.
 Ferris, Donald K.
 Fish, Mortimer W.
 Fish, Mortimer W., and Alexander.
 Fitzsimmons, John T.
 Fitzsimmons, John T., and Schroepe.
 Foust, Floyd J., Childress, and Whelchel.
 Frank, Mark H.
 Funkhouser, Mearick.
 Gardiner, Arthur W.
 Gaugler, Richard S.
 Geyer, Harvey D.
 Goodwin, Harold L., and Coppock.
 Graham, Charles D.
 Grange, Howard L.
 Grooms, Albert O.
 Groves, Ronald C.
 Hahn, Rea I., Spears, and Frank.
 Haines, John F., and Martin.
 Hartzell, Herman L.
 Heath, Robert L., and Huxley.
 Hegeman, Franklyn P.
 Henderson, Nelson H.
 Henney, Charles F.
 Hindall, Alva L.
 Hook, Flavis E., and Riggs.
 Hutchinson, Philip H.
 Hutchison, Robert R.
 Jagen, Theodore A.
 Johnston, Hal C.
 Jorgensen, Clarence H., Taylor, and Hardman.
 Jude, Pearle T.
 Kamrath, Herbert G.
 Kaufman, Daniel L., and Fleming.
 Kazen, Mitchell C.
 Keller, Frank G.
 Kellogg, George W.
 Kerfoot, Frank W.
 Kettering, Charles F., and Fischer.
 Kuhn, George.
 Lee, John W.
 Long, George B.
 Lovell, Wheeler G., Miller, Mulligan, and Lichtenwalner.
 MacPherson, Earle S.
 Manning, Charles E.
 Martin, Edward J., and Scott.
 Martin, Thomas B.
 Marvin, John T., and McFadden.
 Mathews, Verner P.
 McDowall, Charles J., and Montieth.
 McGougall, Taine G., Schwartzwalder, and Rulka.
 Megeber, David W.
 Metzel, Harold N.
 Michelsen, Henry, and Reid.
 Minix, William A.
 Mitchell, Ralph H.
 Monson, Charles L.
 Mort, Charles H., and Mapes.
 Murphy, John M.
 Nelson, Laurence A.
 O'Brien, John D.
 Olt, Richard G.
 Opitz, Eric J.
 Pearce, George.
 Pearce, George C.
 Perkins, Wallace W., and Fischer.
 Petkowitz, Carl F.
 Phillips, William M., and Clifton.
 Plumly, George W.
 Priess, John F.
 Pyle, Howard T., and Tynan.
 Quinn, Clark E.

General Motors Corporation, assignee: *See*—Continued.

Rabazzana, Hector, and Wiegand.
 Rady, William J., and Rice.
 Rataiczak, Francis I.
 Ridge, Donald C.
 Robertson, John M.
 Robertson, John M., and Schultz.
 Roedding, Gordon E.
 Rossman, Edwin F.
 Sampson, Frederick W.
 Sampson, Frederick W., and Hamisch.
 Sampson, Frederick W., and Harris.
 Saunders, Orson V.
 Schneider, Paul and Nighbert.
 Schneider, Paul L.
 Schneider, Paul L., and Cromwell and Nighbert.
 Schneider, Siebert.
 Schultz, Harold W.
 Schultz, Harold W., Robertson, and Rasmussen.
 Schwartzwalder, Karl, Rulka, and Smith.
 Schwartzwalder, Karl, and Schaefer.
 Schwarz, Bertram A., Steizl, and Wright.
 Schweller, Edmund F.
 Schweller, Sylvester M.
 Shaw, Willard C.
 Shewmon, Ralph K., and Levy.
 Short, Brooks H.
 Short, Brooks H., and Hartzell.
 Short, Brooks H., and Tynan.
 Smith, Lucian B.
 Smith, Rolf M.
 Spunt, Leo, and Gould.
 Stephenson, James R.
 Stevens, Clarence C.
 Stone, Arthur H.
 Storer, John E., and Timmer.
 Stuart, Joseph, III.
 Stuart, Joseph, III, and Berkley.
 Sullivan, Raymond H., Hardy, and Porter.
 Taylor, William H.
 Timmer, Albert J.
 Trisler, Milton A.
 Trott, Winfield J.
 Van Degriift, Thomas C.
 Walker, Nelson.
 Waterbury, Ronald J., and Premo.
 Weiser, George L., and Key.
 Werner, Calvin J.
 Westman, Oscar B., and Olson.
 Zmuda, Andrew W., and Hope.

General Nailing Machine Corporation, assignee: *See*—

Benson, Harry D.

General Paint Corporation, assignee: *See*—

Kraner, Warren A.

General Perforating Corp., assignee: *See*—

Williams, Charles F.

General Polarizing Company, The, assignee: *See*—

Dreyer, John F.

General Precision Laboratory Incorporated, assignee: *See*—

Dibble, Frank B., Mercier, Duvoisin and Gaertner.

Gilbert, Clarke M.

Greenwood, Ivan A., Jr.

Lee, Richard W., and Garman.

Paine, George R., and McGuire.

General Radiological Limited, assignee: *See*—

Phinney, Robert M.

Quittner, Victor.

Saint, Samuel P.

General Railway Signal Company, assignee: *See*—

Barker, William M.

Branson, Edward H.

Brixner, Frederick W., and Barker.

Coley, Nelson B.

Field, Oscar S., and Wight.

Field, Oscar S., Wight, and Hewes.

Field, Oscar S., Wight, and Saint.

Hailes, William D.

Hitchcock, Forest B.

Merkel, Joseph F.

Moore, Edmund W.

O'Brien, John C.

Preston, Neil D., and Hitchcock.

Reichard, Wade H.

Wight, Sedgwick N., and Field.

Willing, Joseph E., and Johannek.

General Refractories Company, assignee: *See*—

Longacre, Richard E.

Thorpe, Drew M.

General Riveters, Inc., assignee: *See*—

Creighton, Russell.

Field, Oscar S.

Rees, Frank X.

Speller, Thomas H., and Pettis.

General Steel Castings Corporation, assignee: *See*—

Ainsworth, Thomas H.

Meyer, William H.

Pfager, Harry M.

Travilla, James C., Jr.

General Telephone Corporation, assignee: *See*—

Bartelink, Everhard H. B.

General Time Corporation, assignee: *See*—

Olinger, Robert.

- General Time Instruments Corporation, assignee: *See*—Schlenker, Max E., and Gmeiner.
- General Tire & Rubber Company, The, assignee: *See*—Dodge, Howard M.
- Thiry, Leon F.
- General Tire and Rubber Company, The, assignee: *See*—Breth, Walter J.
- Kelly, John H., Jr.
- Kraft, Herman T.
- Kuffler, Roland I.
- McCoy, William C.
- Remark, Isidore J.
- Te Grotenhuis, Theodore A.
- Thiry, Leon F.
- General Tire and Rubber Company of California, assignee: *See*—Weinland, Clarence E.
- Genesee Research Corporation, assignee: *See*—White, Chester M.
- Genera Processes, Inc., assignee: *See*—Klaassen, Willem J.
- Gengelbach, Maurice, Plattsburgh, Mo. Power scoop or shovel for tractors. 2,467,617, Apr. 19.
- Genie Enterprises, Inc., assignee: *See*—Fluegel, Ernest F. K.
- Genier, John D., South Norfolk, and J. L. Ruckart, Portsmouth, Va. Jack. 2,490,046, Dec. 6.
- Gennusa, Lawrence J., Varnado, La. Floating soap and holder therefor. 2,468,192, Apr. 26.
- Genovese, Anthony, Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Extruder and cutter mechanism. 2,466,587, Apr. 5.
- Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pneumatic ticket receiving valve. 2,489,025, Nov. 22.
- Genter, Albert L., Baltimore, Md. Continuous disk filter. 2,464,223, Mar. 15.
- Gentile, Carmine J.: *See*—Sacher, Murray H., and Gentile.
- Gentile, Marino, Burlingame, and P. J. Romanello, San Jose, Calif. Coat hanger. 2,488,860, Nov. 22.
- Gentile, Scipio S., Cincinnati, Ohio. Bracket and support therefor. 2,477,735, Aug. 2.
- Gentry, George A., Newport News, Va. Rotary grass cutter. 2,485,729, Oct. 25.
- Gentry, George C., Pittsburgh, Pa., and R. J. Lennon, Moline, Ill. Feed mechanism for cartridge belts. 2,466,697, Apr. 12.
- Gentry, Ralph R., Spokane, Wash. Dual drive for trucks. 2,477,925, Aug. 2.
- Gentry, William W., Chickasha, Okla. Convertible truck body. 2,459,022, Jan. 11.
- Geometric Tool Company, The, assignee: *See*—Strickland, Royce M.
- Geophysical Service Incorporated, assignee: *See*—Renner, Darwin S.
- George, Charles, Jr.: *See*—Loomis, Eugene C., Ryder, and George.
- George, Earl B., B. E. Wallace, and R. S. Waters, assignors to The Leland Electric Company, Dayton, Ohio. Dynamoelectric machine. 2,487,328, Nov. 8.
- George, Edwin S., Bloomfield Hills, assignor to Moto-Mower Company, Detroit, Mich. Making machine handles. 2,458,989, Jan. 11.
- George, Edwin S., Bloomfield Hills, and H. L. Blydenburgh, Highland Park, assignors to The Moto-Mower Company, Detroit, Mich. Demountable machine handle. 2,476,036, July 12.
- George, Everett D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Slitting apparatus. 2,484,619, Oct. 11.
- George, F. C., Machine Company, assignee: *See*—George, Frank C.
- George, Forrest, and H. A. Dadisman, Wichita, Kans., said George assignor to said Dadisman. Interchangeable heel and heel tap attachment. 2,478,264, Aug. 9.
- George, Frank C., assignor, by mesne assignments, to F. C. George Machine Company, Orlando, Fla. Rodding attachment for plastic block machines. 2,457,996, Jan. 4.
- George, Harry F., Chicago, Ill. Retractable safety belt. 2,480,915, Sept. 6.
- George, Harry F., Chicago, Ill. Airplane control wheel. 2,491,609, Dec. 20.
- George, Joseph, administrator: *See*—George, Virgil.
- George, Melvin F., Jr.: *See*—Dahm, Thomas M., and George, Jr.
- Hamilton, William F., George, and Simon, Simon, Ell, and George, Jr.
- George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra high frequency power measuring system. 2,457,997, Jan. 4.
- George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Suppression of parasitic oscillations. 2,467,736, Apr. 19.
- George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Electrical contactor for movable shafts. 2,473,705, June 21.
- George, Richard S., assignor to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of unsaturated organic compounds. 2,479,226, Aug. 16.
- George, Robert E., Columbus, Ohio. Digging tooth for excavating buckets. 2,472,892, June 14.
- George, Thomas J., Genoa, Ill. Electronic keying means. 2,483,823, Oct. 4.
- George, Virgil, deceased, Akron, Ohio; J. George, administrator of said Virgil George. Ash tray. 2,463,485, Mar. 1.
- Georgi, Carl W., Eggertsville, assignor to Enterprise Oil Company, Inc., Buffalo, N. Y. Lithium-aluminum soap lubricating grease and making the same. 2,477,296, July 26.
- Georgia Buff Company, assignee: *See*—Glancy, Alfred R.
- Geotronics Corporation, The, assignee: *See*—Lipson, Leonard B.
- Gerald, Curtis F.: *See*—Haensel, Vladimir, and Gerald.
- Gérardin, Maurice, assignor to Société pour l'Exploitation des Brevets M. G. D., Grenoble, France. Apparatus for taking cinematographic pictures on continuously fed film. 2,466,411, Apr. 5.
- Gerber, Edward F., Glendale, Calif. Advertising sign and display device with rotary drum. 2,482,475, Sept. 20.
- Gerber, Francis G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Panel access-opening closure. 2,472,156, June 7.
- Gerber, Henri, Bienne, Switzerland, assignor to Omega Louis Brandt & Frère S. A. Plate setting for cap jewels. 2,489,570, Nov. 29.
- Gerber, Lipman S., Lakewood, N. J. Storage battery separator. 2,478,186, Apr. 9.
- Gerber, Paul D., Woodlynne, N. J., assignor to Radio Corporation of America. Piezoelectric oscillator. 2,485,045, Oct. 18.
- Gerber, Theodore D., Glendale, Calif. Height gauge. 2,465,530, Mar. 29.
- Gerber, Walter, Bern-Bumpliz, Switzerland. Tremolo device for accordions. 2,457,886, Jan. 4.
- Gerbes, Otto, Goose Creek, Tex., assignor to Standard Oil Development Company. Inhibiting corrosion caused by liquid aluminum halide catalysts. 2,485,276, Oct. 18.
- Gerbing, Willard E., Chicago, Ill. Variable speed pulley. 2,475,954, July 12.
- Gerbing, Willard E., Chicago, Ill. Variable pitch pulley. 2,475,955, July 12.
- Gerbing, Willard E., Park Ridge, Ill., assignor to Arno Adhesive Tapes, Inc., Michigan City, Ind. Tape dispenser. 2,476,593, July 19.
- Gerdeman, Dale B., Las Vegas, N. Mex. Cleansing tissue holder. 2,490,426, Dec. 6.
- Gerding, Louis H., Ottawa, Ill. Indoor practice putting cup. 2,460,080, Jan. 25.
- Gérentés, Jean, Saint-Etienne, assignor to Constructions Electro-Mécaniques de Saint-Etienne "Ancienne Usine Wagoor," Paris, France. Electric motor and brake unit. 2,480,291, Aug. 30.
- Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Vulcanized copolymers of drying oils and diene hydrocarbons. 2,475,664, July 12.
- Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of addendum copolymer. 2,479,486, Aug. 16.
- Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of cyclopentadiene from dicyclopentadiene. 2,490,866, Dec. 13.
- Gerhold, Clarence G.: *See*—Mayland, Harrison C., and Gerhold.
- Zimmerman, Gordon B., and Gerhold.
- Gerhold, Clarence G., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Fractional distillation. 2,479,108, Aug. 16.
- Gerhold, Clarence G., Riverside, and L. A. Mekler, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of spherical particles. 2,467,470, Apr. 19.
- Gering, Herman, Newark, assignor to Gering Products, Inc., Kenilworth, N. J. Manufacturing thermoplastic pellets. 2,464,746, Mar. 15.
- Gering Products, Inc., assignee: *See*—Gering, Herman.
- Gerity-Michigan Corporation, assignee: *See*—Kelly, John M.
- Gerke, Roscoe H., Barrington, R. I., assignor to United States Rubber Company, New York, N. Y. Making battery separators. 2,487,233, Nov. 8.
- Gerlach, Raymond W.: *See*—Rounds, Kenneth S., and Gerlach.
- Gerlinger, Carl F., assignee: *See*—Waters, John L.
- Gerlough, Tillman D., Highland Park, and E. L. Smith, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Parenteral solutions of riboflavin and the like. 2,459,518, Jan. 18.
- Germain, David E., Pittsburgh, Pa. Railroad car construction. 2,478,187, Aug. 9.
- Germain, Georges, Romorantin, France, vested in the Attorney General of the United States. Device for making the points of collars, cuffs, and the like. 2,478,093, Aug. 2.
- Germain, Paul, Spencer, Mass. Retractable runner for land vehicles. 2,476,241, July 12.

- Germann, Charles T., Clifton, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Electronic point inspection. 2,467,124, Apr. 12.
- Germann, Werner, Zurich, assignor to Fabrique Suisse De Crayons Caran D'Ache S. A., Geneva, Switzerland. Changeable propelling pencil. 2,480,014, Aug. 23.
- Germanton, Charles E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft personnel trainer. 2,460,743, Feb. 1.
- Germany, James H., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat-treating furnace. 2,477,796, Aug. 2.
- Germany, Leslie W., Cambridge, England. Circuit arrangement for producing a sine wave voltage from a pulse waveform. 2,461,637, Feb. 15.
- Germer, Arthur C., Ridgewood, assignor to Emerson Radio and Phonograph Corporation, New York, N. Y. Ultra high frequency antenna coupling coil assembly. 2,467,737, Apr. 19.
- Germeshausen, Kenneth J., Newton Centre, Mass. Electric system embodying cold-cathode gaseous discharge device. 2,492,142, Dec. 27.
- Gernheuser Industries, Inc., assignee: See—Gernheuser, Robert N.
- Gernheuser, Robert N., assignor to Gernheuser Industries, Inc., Toledo, Ohio. Hairpin. 2,482,259, Sept. 20.
- Gerotor May Corporation, assignee: See—Beach, Ralph H.
- Gerow, Theron G., Chicago, Ill. Opposed-roll crusher with interlocking teeth of graduated heights. 2,474,625, June 28.
- Gerritsma, Gerardus H.: See—Verbeek, Leo H., and Gerritsma.
- Gerry, Julian E., assignor to Menasco Manufacturing Company, Burbank, Calif. Torque arm quick disconnect assembly. 2,487,329, Nov. 8.
- Gersh, Alex: See—Gersh, Morris and Alex.
- Gersh, Morris and Alex., assignor to Gersh, Morris and Alex., Highland, N. Y. Surgical cast. 2,480,849, Sept. 6.
- Gershbein, Leon L.: See—Hall, Lloyd A., and Gershbein.
- Gershenow, Tillie H., Great Neck, N. Y. Panty girdle. 2,477,593, Aug. 2.
- Gershon, Benjamin, Chicago, Ill. Stove mat. 2,474,102, June 21.
- Gershon, Benjamin, Chicago, Ill. Minnow bucket. 2,487,645, Nov. 8.
- Gerson, Jules, New York, N. Y. Twin finger rings. 2,472,893, June 14.
- Gershon, Melvin, assignor to Arrow Manufacturing Company, Kansas City, Mo. Press pad. 2,482,412, Sept. 20.
- Gerstman, Irving, assignor to Gerstman Supply Company, Buffalo, N. Y. Slider for slide fasteners. 2,486,401, Nov. 1.
- Gerstman Supply Company, assignee: See—Gerstman, Irving.
- Gertler, Samuel L., Washington, D. C., dedicated to the free use of the People in the Territory of the United States. Insect repellent. 2,469,228, May 3.
- Gertler, Samuel L., Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture. Phenylsemioxamizide insecticidal compositions. 2,470,160, May 17.
- Gerweck, Cyril A., and R. G. Scheid, Ida, assignors of one-fourth to E. Olson, Adrian, and one-fourth to R. Dillon, Ida, Mich. Pipe assembly in a driven well. 2,488,470, Nov. 15.
- Gesselschap, Robert A., Brentwood, assignor to James R. Kearney Corporation, St. Louis, Mo. Circuit breaker. 2,464,303, Mar. 15.
- Gess, Louis, Jenkintown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermometer filling system. 2,475,317, July 5.
- Gessford, Ross K., assignor to Sylvania Electric Products Inc., Emporium, Pa. Electron discharge device. 2,461,728, Feb. 15.
- Gessler, Albert M.: See—Elmore, Norman M., and Gessler.
- Gessler, Otto C., Detroit, Mich. Concealed hinge. 2,460,171, Jan. 25.
- Gethmann, Richard B.: See—Pecoroni, Valentine W., and Gethmann.
- Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Focusing arrangement for cathode-ray tubes. 2,483,133, Sept. 27.
- Getler, Maurice W., Troy, N. Y., assignor to the United States of America as represented by the Secretary of War. Optical bore-straightness indicator. 2,466,698, Apr. 12.
- Getram Company, Inc., assignee: See—Ellström, Nils O.
- Gettman, Paul M., and W. T. Fulton, Tacoma, Wash. Artificial body member. 2,490,796, Dec. 13.
- Gettys, John L., Camden, S. C. Gatherer for kudzu hay. 2,480,569, Aug. 30.
- Gettys, William W., Greeley, Colo. V-belt clutching device. 2,459,373, Jan. 18.
- Getz, Alfred J., Kalispell, Mont. Mechanism for raising and lowering frames of boat trailers. 2,487,701, Nov. 8.
- Getz, Charles A., Glen Ellyn, assignor, by mesne assignments, to Cardox Corporation, Chicago, Ill. Fire extinguishing system. 2,477,736, Aug. 2.
- Getz, Charles A., Glen Ellyn, assignor, by mesne assignments, to Cardox Corporation, Chicago, Ill. Dehydrating liquid carbon dioxide. 2,477,737, Aug. 2.
- Getz, Charles A., Glen Ellyn, assignor, by mesne assignments, to Cardox Corporation, Chicago, Ill. Dehydrating liquid carbon dioxide. 2,477,738, Aug. 2.
- Geuder, Paesche & Frey Co., assignee: See—Lampiris, William.
- Geuder, Kenneth S., and Gerlach.
- Gevaert Company of America, Inc., The, assignee: See—Schwarz, George.
- Gevaert Photo-Producten N. V., assignee: See—Merckx, Philibert R.
- Van de Straete, Leo A.
- Van Dormael, André E., and Ghys.
- Geyer, Bradford P.: See—Ballard, Seaver A., and Geyer.
- Ballard, Seaver A., Geyer, and Mortimer.
- Geyer, Bradford P., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Derivatives of 2,1-benzopyran. 2,483,824, Oct. 4.
- Geyer, George A., New York, N. Y. Tube expander with expandable ball drift removable by its expansion. 2,459,808, Jan. 25.
- Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Connector strip. 2,492,566, Dec. 27.
- Geyer, Howard M.: See—Carson, Howard, Geyer, and Light.
- Geyer, William H., Nutley, assignor to Gyco Instruments, Inc., Bloomfield, N. J. Hemispherical heating device. 2,482,665, Sept. 20.
- Geyser, E. K., Company, assignee: See—Geyser, Emil K.
- Geyser, Emil K., Pittsburgh, Pa., assignor to E. K. Geyser Company. Window. 2,475,885, July 12.
- Ghant, Ernest H., Lancaster, S. C. Hoist for lick of cotton cards. 2,491,967, Dec. 20.
- Ghee, Garner T., New York, N. Y., and C. Thomas, Jersey City, N. J. Packing removing tool. 2,466,845, Apr. 12.
- Ghent, B. L., assignee: See—Bristow, Earl.
- Ghertman, Joine, Saint-Mande, France, assignor to International Business Machines Corporation, New York, N. Y. Control device for accounting machines. 2,490,348, Dec. 6.
- Ghiorso, Albert, Berkeley, and C. M. Gordon, San Pablo, Calif., assignors to the United States of America as represented by the United States of America Atomic Energy Commission. Radiation detecting apparatus. 2,490,298, Dec. 6.
- Ghisletta, Franklin C., Patterson, Calif. Grapefruit segmenting and derinding device. 2,463,167, Mar. 1.
- Ghys, Theofil H.: See—Van Dormael, André E., and Ghys.
- Giacomelli, Carlo, New York, N. Y. Water ski. 2,458,775, Jan. 11.
- Gialdini, Bruno T., Larchmont, N. Y. Conveying means for shoe manufacture. 2,460,782, Feb. 1.
- Giammaria, John J.: See—Reiff, Orland M., Otto, Giammaria, and Oberright.
- Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,464,497, Mar. 15.
- Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Wax-substituted diaryl dithiophosphoric acids and salts thereof. 2,476,037, July 12.
- Giannini, Gabriel M., North Hollywood, Calif., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc. Electroacoustical transducer. 2,463,762, Mar. 8.
- Giannini, Gabriel M., North Hollywood, Calif., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc. Cellular support for loudspeakers, including acoustic chambers. 2,475,782, July 12.
- Giannini, Gabriel M., Pasadena, Calif., assignor, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn. Telemetric system. 2,475,232, July 5.
- Giannini, Gabriel M., West Los Angeles, Calif., assignor, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn. Impulse generator for telemetering systems. 2,471,947, May 31.
- Gianotti, Irven F., assignee: See—White, Marcus E.
- Giaque, René, Yverdon, Switzerland, assignor to Pallard S. A. (Pallard A. G., Pallard Limited). Device for positioning a sheet and for indicating the approach of the sheet end on a typewriter. 2,463,259, Mar. 1.
- Gibado, Frank, Salem, assignor to Metal Hydrides Incorporated, Beverly, Mass. Gas generator. 2,463,862, Mar. 8.
- Gibado, Frank, Salem, assignor to Metal Hydrides Incorporated, Beverly, Mass. Gas generator. 2,463,863, Mar. 8.
- Gibb, Thomas R. P., Jr., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Producing lithium aluminum hydride and aluminum hydride. 2,468,260, Apr. 26.
- Gibbo, Albert P., assignor to Bryant Essick, Los Angeles, Calif. Control for air compressors. 2,475,783, July 12.

- Gibbons, Chester H., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Fluid pressure measuring device. 2,472,045, May 31.
- Gibbons, Henry B., Stratford, and E. G. Zoldy, Ridgefield, assignors to United Aircraft Corporation, East Hartford, Conn. Composite structure for use in aircraft construction. 2,479,342, Aug. 16.
- Gibbons, John P., Chicago, and W. P. McGuire, Arlington Heights, Ill. T-square holding clip. 2,475,021, July 5.
- Gibbs, Clifford J., Houston, Tex., and J. H. Stein, Garden City, assignors to Texaco Development Corporation, New York, N. Y. Method and apparatus for removing random fluctuations from intensity measurements. 2,469,383, May 10.
- Gibbs, Everett R.: *See—*
Burbidge, David H., and Gibbs.
- Gibbs, Jesse B.: *See—*
Hibbard, Lloyd J., Gibbs, and Brown.
- Gibbs, Thomas B.: *See—*
Gilman, George W., and Laing, and Gibbs.
- Gibbs, Thomas B., and R. E. Brandt, Delavan, assignors to The George W. Borg Corporation, Chicago, Ill. Fluid operated clutch. 2,464,975, Mar. 22.
- Gibbs, William J., Brooklyn, N. Y. Apparatus for storing and dispensing stacked articles. 2,461,638, Feb. 15.
- Gibban, Emil F., East Cleveland, and K. M. Bartlett, Cleveland, Ohio, assignors to Thompson Products, Inc. Making poppet valves. 2,471,948, May 31.
- Gibler, John W., United States Army, Mattoon, Ill. Load-dumping pallet. 2,468,055, Apr. 26.
- Gibney, Robert D.: *See—*
Timm, Frank M., and Gibney.
- Gibson, Carl W., assignor to Coppus Engineering Corporation, Worcester, Mass. Rotary fuel burner with removable fuel-conducting means. 2,473,945, June 21.
- Gibson, Carl W., assignor to Coppus Engineering Corporation, Worcester, Mass. Rotary fuel burner with a disk type fuel-distributing means. 2,481,836, Sept. 13.
- Gibson, Carl W., Worcester, Mass., assignor to Coppus Engineering Corporation. Mechanical oil burner with fluid atomizing means. 2,489,217, Nov. 22.
- Gibson, Charles H., Tyndall Field, Fla. Magnetic wheeled toy. 2,486,273, Oct. 25.
- Gibson, Christian D., assignor to Lyon-Raymond Corporation, Greene, N. Y. Elevating mechanism. 2,480,916, Sept. 6.
- Gibson, Clarence F., Potter Valley, Calif. Cycle hitch. 2,489,771, Nov. 29.
- Gibson, Henry L., Sr., Nicholls, Ga. Folding crutch. 2,484,406, Oct. 11.
- Gibson, James D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of paraffins. 2,461,598, Feb. 15.
- Gibson, George A., Jr., New York, N. Y. Toothbrush handle. 2,471,680, May 31.
- Gibson, George M., Bellevue, Iowa, assignor to Reconstruction Finance Corporation, Chicago, Ill. Method of and apparatus for washing fabrics. 2,478,188, Aug. 9.
- Gibson, Glenn J., Chatham, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for stabilizing the electric welding arc. 2,475,183, July 5.
- Gibson, Harry E., Muskegon, Mich. Humidifier. 2,481,738, Sept. 13.
- Gibson, Joseph A., Kimball, Nebr. Loose-leaf binder. 2,461,050, Feb. 8.
- Gibson, Paul R., Miller, S. Dak. Combined tractor powered dump wagon and elevator. 2,482,413, Sept. 20.
- Gibson, Percy O., Kokomo, Ind. Adjustable time interval control device. 2,459,876, Jan. 25.
- Gibson Refrigerator Company, assignee: *See—*
Drake, Earl D.
- Gibson, Robert M., Pittsburgh, Pa. Blowing tube for molten metal. 2,472,416, June 7.
- Gibson, Sydney A.: *See—*
Olpin, Henry C., Law, and Gibson.
- Gibson, Thomas M., West Haven, assignor to Exacta Manufacturing Co., Inc., New Haven, Conn. Liquid immersed rheostat. 2,465,524, Mar. 29.
- Gibson, William F., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor unloading means. 2,462,039, Feb. 15.
- Gibson, William T., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Current lead-in seal for electric vacuum tubes and the like. 2,465,369, Mar. 29.
- Gibson, William W., New York, N. Y., assignor to Inventors, Inc., Detroit, Mich. Airfoil. 2,463,864, Mar. 8.
- Giddens, Joel E.: *See—*
Reeves, Richard E., and Giddens.
- Giddings & Lewis Machine Tool Company, assignee: *See—*
Gallimore, Keith F.
Renier, William S.
Wagner, Elmer K.
Woytych, Raymond M.
- Giddings, Marlon W., Pasadena, and S. Hikell, Tarzana, Calif. Hair applicator. 2,477,245, July 26.
- Gide, Rene, New York, N. Y. Treatment of magnesium and magnesium alloy articles to increase their resistance to corrosion. 2,465,443, Mar. 29.
- Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Sunlight resistant composition. 2,462,629, Feb. 22.
- Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Electrical cable composition. 2,469,721, May 10.
- Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Oil-resistant composition. 2,471,870, May 31.
- Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Weather resistant composition. 2,474,309, June 28.
- Giegerich, Bertrand V., Pittsfield, Mass., and C. B. Ryder, Shelton, Conn., assignors to General Electric Company. Electrical induction apparatus. 2,467,377, Apr. 19.
- Giegerich, Vera, Los Angeles, assignor to A. Tillo, Beverly Hills, Calif. Three-part corset. 2,466,940, Apr. 12.
- Giegerich, Vera, Los Angeles, assignor to A. Tillo, Beverly Hills, Calif. Four-part corset. 2,466,941, Apr. 12.
- Giegerich, Vera, Los Angeles, assignor to A. Tillo, Beverly Hills, Calif. Girdle. 2,466,942, Apr. 12.
- Giera, Max S., Chicopee, assignor of one-third to J. M. Lichwala, Springfield, and one-third to T. Brezowski, Chicopee, Mass. Fishline reel. 2,483,696, Oct. 4.
- Gieringer, Carl K., Long Branch, N. J. Adjustable antenna. 2,474,242, June 28.
- Giese, Frederick F., Pittsburgh, Pa. Convertible toy vehicle and the like. 2,481,837, Sept. 13.
- Giese, Walter, Chicago, Ill. Bonding teeth to dental plates. 2,469,822, May 10.
- Gieseke, Elmer W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of nonmetallic ores with black liquor soap in acid circuit. 2,466,671, Apr. 12.
- Gieseke, Elmer W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of iron impurities from feldspar. 2,483,192, Sept. 27.
- Gieseke, Elmer W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Flotation of barite ores. 2,483,970, Oct. 4.
- Gieseke, Werner A., Danville, Ill. Electronic counter. 2,470,926, May 24.
- Gieseke, Leonard F., Preble, Ind. Preserving and maintaining color of green vegetables. 2,473,747, June 21.
- Giesen, Josef H., U. S. Navy. Mechanical skeleton. 2,472,819, June 14.
- Giesen, Josef H., U. S. Navy. Modified bone screw holder for surgical drills. 2,472,103, June 7.
- Giesey, A. E., assignee: *See—*
Smith, David C.
- Giesler, Jean V., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Pressure measuring device. 2,466,846, Apr. 12.
- Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,463,686, Mar. 8.
- Giffard, Whitney, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,477,055, July 26.
- Giffen, Harvey D., El Cajon, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Apparatus for transmitting changes in gauge conditions. 2,484,218, Oct. 11.
- Giffen, Harvey D., Theodore, Ala., and T. B. Thomson, Jr., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Telemetric system. 2,466,803, Apr. 12.
- Giffen, Harvey D., Theodore, Ala., and T. B. Thomson, Jr., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Telemetric system. 2,466,804, Apr. 12.
- Giffen, Harvey D., Theodore, Ala., and T. B. Thomson, Jr., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Recording apparatus for telemetric systems. 2,485,730, Oct. 25.
- Giffin, Edward S., Auburn, Wash. Switch mechanism. 2,484,991, Oct. 18.
- Giffin, Otho L., Worcester, Mass. Wire stranding device. 2,484,282, Oct. 11.
- Gifford, Carl E., Zanesville, Ohio, assignor to Armco Steel Corporation. Production of silicon steel sheet stock having high surface resistivity and resistance to adhesion. 2,492,095, Dec. 20.
- Gifford-Wood Company, assignee: *See—*
Bennett, A. Clark, and Engler.
Rixon, John F.
- Gigas, Braeme E., executor: *See—*
Ruddock, William.
- Giger, Walter, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Control system for electric locomotives. 2,467,026, Apr. 12.
- Giger, Walter, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Bogie arrangement for rail vehicles. 2,489,634, Nov. 29.
- Gil, Irving: *See—*
Davis, James A., and Gil.
- Gilbart, Louis, Leeds, England. Wardrobe. 2,483,340, Sept. 27.
- Gilbert, A. C., Company, The, assignee: *See—*
Erhardt, Oscar P.
Frishle, Marshall H.
Smith, William R.

- Gilbert, Adonias J., Newtonville, and C. Mehlum, Waltham, Mass., said Mehlum assignor to said Gilbert. Stamping press. 2,468,620, Apr. 26.
- Gilbert & Barker Manufacturing Company, assignee: *See—*
Cochrane, Richard M.
De Lancey, Warren H.
Grimmeisen, Herman O.
Logan, Joseph A.
Logan, Joseph A., and Bills.
Mesh, Theodore J.
O'Donnell, Terrence C., and Logan.
Rapisarda, Edward D.
Rapisarda, Edward D., and Tapp.
- Gilbert, Clarke M., Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated. Servo follow-up control. 2,460,638, Feb. 1.
- Gilbert, Clarke M., Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated. Motor control circuit. 2,466,984, Apr. 12.
- Gilbert, Clarke M., Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated. Remote control system. 2,486,357, Oct. 25.
- Gilbert, Clyde L., Elkhart, Ind. Rack and pawl actuated quick-acting clamp. 2,472,658, June 7.
- Gilbert, Edgar N., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Dual frequency antenna. 2,479,227, Aug. 16.
- Gilbert, Edgar N., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,480,186, Aug. 30.
- Gilbert, Geoffrey: *See—*
Davenport, John B., and Gilbert.
- Gilbert, George R., Elizabeth, N. J., assignor to Standard Oil Development Company. Method of producing a mineral oil concentrate. 2,465,221, Mar. 22.
- Gilbert, George R., Elizabeth, N. J., assignor to Standard Oil Development Company. Sulfonic acid manufacture. 2,488,721, Nov. 22.
- Gilbert, Harry, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilization of monomeric 1,1-dicyano ethylene. 2,467,378, Apr. 19.
- Gilbert, Harry, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing clear, bubble-free castings by polymerizing monomeric vinylidene compounds in the presence of nitric oxide. 2,485,277, Oct. 18.
- Gilbert, Henry, North Hollywood, Calif., assignor, by mesne assignments, to Gotham Hosiery Company, Inc., New York, N. Y. Stocking inspection device having illuminating and magnifying means. 2,485,820, Oct. 25.
- Gilbert, Herman W., Forest Hills, and W. Deichmann, Elmont, assignors to Cutting Room Appliances Corporation, New York, N. Y. Sectional cutting table. 2,484,283, Oct. 11.
- Gilbert, Joseph A., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping machinery. 2,492,567, Dec. 27.
- Gilbert, Lawrence J. F., South Gate, Calif. Radio selector system for automobiles. 2,491,968, Dec. 20.
- Gilbert, Lethieullier, Woking, and L. J. Hobson, Farnham, England. Ventilator. 2,465,642, Mar. 29.
- Gilbert, Lloyd O., Davenport, Iowa. Phosphate coating of metallic articles. 2,479,564, Aug. 28.
- Gilbert, Richard C., Whittier, Calif. Adjustable scale. 2,480,725, Aug. 30.
- Gilbert, Richard L., Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Antifogging composition. 2,489,026, Nov. 22.
- Gilbert, Roswell W., Montclair, assignor to Weston Electronic Instrument Corporation, Newark, N. J. Electronic measuring apparatus. 2,459,104, Jan. 11.
- Gilbert, Roswell W., Montclair, assignor to Weston Electronic Instrument Corporation, Newark, N. J. Dual purpose voltmeter range attenuator. 2,478,966, Aug. 16.
- Gilbert, Roswell W., Montclair, assignor to Weston Electronic Instrument Corporation, Newark, N. J. Measuring and control apparatus. 2,486,641, Nov. 1.
- Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Transmission mechanism for engine starters and the like. 2,458,070, Jan. 4.
- Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter apparatus. 2,474,734, June 28.
- Gilbert, Thomas A.: *See—*
Collidge, Albert E., Dawes, and Gilbert.
- Gilbert, Victor B., assignee: *See—*
Gauvey, James C.
- Gilbert, William L., Clock Corporation, assignee: *See—*
Knobel, Max.
- Gilbertie, John S., Westport, Conn. Rodentproof fruit and vegetable container. 2,466,226, Apr. 5.
- Gilbertson, Clarence R., Spokane, Wash. Gear or wheel puller. 2,468,970, May 3.
- Gilbertson, Ralph E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Soldering to a nickel alloy coil. 2,466,890, Apr. 12.
- Gilbreath, Lem F., assignor of fifty per cent to C. Edwards, Fort Payne, Ala. Combined electric ironing board and heater. 2,486,642, Nov. 1.
- Gilchrist, Peter S., Jr., and W. L. Parrott, Charlotte, N. C. Slow-melting ice. 2,490,047, Dec. 6.
- Gilcrease, Leonard, Armona, Calif. Helicopter. 2,487,020, Nov. 1.
- Gildone, Anthony M., Cleveland, Ohio. Apparatus for applying colored film to fingernails. 2,467,085, Apr. 12.
- Giles, Henry G., Pittsburgh, Pa. Tube dispensing device. 2,461,891, Feb. 15.
- Giles, John E., Diablo Heights, C. Z. Resurfacing tool. 2,472,374, June 7.
- Giles, John E., Diablo Heights, and P. V. Reynolds, Balboa, C. Z. Clamping device. 2,477,297, July 26.
- Giles, John E., Diablo Heights, C. Z. Clamping device. 2,483,697, Oct. 4.
- Gillett, Paul: *See—*
Guyot, Gaston J. L., and Gillett.
- Gillfillan Bros., Inc., assignee: *See—*
Kelsey, Alwyn L., Hiebert, Tasker, and Osborne.
- Gillfillan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Pumping limit control apparatus. 2,463,865, Mar. 8.
- Gilkey, John W.: *See—*
Barry, Arthur J., and Gilkey.
Barry, Arthur J., Gilkey, and De Free.
- Gill, Carl: *See—*
Thompson, Andrew C., and Gill.
- Gill, Dean M., Lakewood Village, assignor to H. E. Gillespie, Long Beach, Calif., doing business as Gillespie Games Company. Return playing-surface game apparatus. 2,482,336, Sept. 20.
- Gill, Edmond A., assignee: *See—*
England, James M.
- Gill, Frank: *See—*
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Gill, Lowell O.: *See—*
Hansen, Donald W., Gill, and Wrightsman.
- Gill, Robert J., Los Angeles, Calif. Well-drilling apparatus. 2,481,009, Sept. 6.
- Gill, Robert L., Ridgfield, Wash. Vehicle ash receiver with suction discharge. 2,461,815, Feb. 15.
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Phase-sensitive self-balancing frequency meter. 2,462,630, Feb. 22.
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Regulating motor for superchargers. 2,487,049, Nov. 8.
- Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,491,372, Dec. 13.
- Gilleland, Edgar B., Pasadena, Calif. Hair curler. 2,487,125, Nov. 8.
- Gillen, George A., Bronx, N. Y. Heating apparatus for burning a liquid fuel spray. 2,474,417, June 28.
- Gillen, George A., New York, N. Y. Electric motor structure. 2,467,586, Apr. 19.
- Gillen, J. E., trustee: *See—*
Elsinger, Louis S.
- Gillespie, Earl J., Elkhart, Ind. Saxophone. 2,474,836, July 5.
- Gillespie Games Company, assignee: *See—*
Gill, Dean M.
- Gillespie, Henderson C., Moorestown, N. J., assignor to Radio Corporation of America. Apparatus for heating dielectric materials electronically. 2,464,404, Mar. 15.
- Gillespie, Henderson C., Moorestown, N. J., assignor to Radio Corporation of America. Method of and apparatus for forming stockings and the like. 2,469,640, May 10.
- Gillespie, Homer E., assignee: *See—*
Gill, Dean M.
- Gillespie, Kenneth B., Tazewell, Va. Water pump seal. 2,482,414, Sept. 20.
- Gillespie, Rollin W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling device. 2,477,246, July 26.
- Gillespie, Woodward H., Louisville, Ky. Extensible drying rack. 2,490,265, Dec. 6.
- Gillett, Harry: *See—*
Potter, Raymond I., and Gillett.
- Gillette, Howard C., Gates, N. Y. Boring head. 2,460,689, Feb. 1.
- Gillette, Leslie A.: *See—*
Hass, Henry B., and Gillette.
- Gillette Safety Razor Company, assignee: *See—*
Bowen, Joseph M.
Muros, Joseph.
Testi, Nicholas.
- Gilley, Inc., assignee: *See—*
Gladstone, Gilbert.
- Gilliam, Jodie F., Barberton, Ohio. Pencil sharpening device. 2,464,498, Mar. 15.
- Gilliam, William F., Schenectady, N. Y., assignor to General Electric Company. Preparation of dialkyl-substituted dihalogenosilanes. 2,464,033, Mar. 8.
- Gilliam, William F., Schenectady, N. Y., assignor to General Electric Company. Chlorinated methylchlorosilanes and their hydrolysis products. 2,474,578, June 28.
- Gilliam, William F., Schenectady, N. Y., and R. N. Meals, Memphis, Tenn., assignors to General Electric Company. Preparation of hydrocarbon-substituted halosilanes. 2,466,412, Apr. 5.

- Gilliam, William F., Schenectady, N. Y., and R. N. Meals, Memphis, Tenn., assignors to General Electric Company. Method of preparation of hydrocarbon-substituted halosilanes. 2,466,413, Apr. 5.
- Gillick, Lawrence H., Evanston, and T. J. Lebane, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Temperature equalizing system for enclosed spaces. 2,488,185, Nov. 15.
- Gilliland, William H., Birmingham, Ala., assignor to E. Walker, Los Angeles, Calif. Suction apparatus actuated by air pressure. 2,475,832, July 12.
- Gillings, Charles, Liverpool, and P. E. A. Cowley, Coventry, assignors to Automatic Telephone & Electric Company, Limited, Liverpool, England. Echo suppressor. 2,472,894, June 14.
- Gillings, Charles, and C. E. Beale, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Impulse correcting repeater. 2,475,546, July 5.
- Gillis, Randall: *See—*
Duclos, Aeneas J. N., and Gillis.
- Gillis, Randall, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making multiply cable sheaths. 2,459,877, Jan. 25.
- Gillis, Randall, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making electrical conductor cables. 2,479,924, Aug. 23.
- Gillis, Randall, Snyder, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor cables and making cables. 2,492,568, Dec. 27.
- Gillitzer, Edward H., San Diego, Calif. Poise mounting for racing cars. 2,473,519, June 21.
- Gillon, John W., and G. A. Haraden, assignors to Eastman Kodak Company, Rochester, N. Y. Focus adjusting mechanism for cameras. 2,475,956, July 12.
- Gillon, John W., and G. A. Haraden, assignors to Eastman Kodak Company, Rochester, N. Y. Interconnected camera finder and focus adjusting mechanism. 2,481,656, Sept. 13.
- Gillon, Paul N., Alexandria, Va. Incendiary bomb. 2,476,973, July 26.
- Gill-Owen Company, The, assignee: *See—*
Frazier, Elihu E.
- Gilman, Eugene H., Plainfield, N. J., assignor to Bakelite Corporation. Preparing a moldable composition in pellet form. 2,489,373, Nov. 29.
- Gilman, Frederick C., Pompton Lakes, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hermetically sealed power transmitting mechanism. 2,472,010, May 31.
- Gilman, George W., Janesville, and G. F. Laing and T. B. Gibbs, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Coil winding machine. 2,466,227, Apr. 5.
- Gilman, Louis, Brighton, Mass. Lighting fixture. 2,475,233, July 5.
- Gilman, Russell A., San Gabriel, Calif. Device for controlling the tightness of expanded tube joints. 2,471,614, May 31.
- Gilman, Wayne H., Oak Park, assignor to Permoflux Corporation, Chicago, Ill. Transformer mounting. 2,459,023, Jan. 11.
- Gilman, Webster E., Maywood, assignor to Permoflux Corporation, Chicago, Ill. Magnetically shielded electrodynamic sound reproducer. 2,458,153, Jan. 4.
- Gilman, Webster E., River Forest, and R. C. Bierman, Clarendon Hills, assignors to Permoflux Corporation, Chicago, Ill. Hand microphone and switch. 2,485,278, Oct. 18.
- Gilman, Wilbert M.: *See—*
Grosser, Christian E., and Gilman.
- Gilmont, Roger, assignor to The Emil Greiner Company, New York, N. Y. Industrial manostat. 2,482,167, Sept. 20.
- Gilmore, Basil E., Windsor, Mo. Artificial fish lure. 2,473,142, June 14.
- Gilmore, Chace D., West Chester, Pa. Candleholder. 2,469,163, May 3.
- Gilmore, Edward E., Stockton, Calif. Lam mounting for looms. 2,458,069, Jan. 4.
- Gilmore, Edward M., Jr., assignor to Imagineering Corporation, Chicago, Ill. Rack structure. 2,469,298, May 3.
- Gilmore, Edward R., Pittsburgh, Pa., assignor to Rockwell Manufacturing Company. Sliding reciprocating valve for expansible chamber meters. 2,464,499, Mar. 15.
- Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of natural gas. 2,475,957, July 12.
- Gilmore, Robert H., Los Angeles, Calif. Adjustable work guide for saw tables. 2,458,846, Jan. 11.
- Gilmore, Roy E., Portland, Ore. Collapsible cylindrical container. 2,466,542, Apr. 5.
- Gilmour, Thomas, Brooklyn, N. Y. Detachable shoe heel ornament. 2,461,977, Feb. 15.
- Glowitz, Benjamin, New York, N. Y. Aromatic shoe ornament. 2,464,859, Mar. 22.
- Glowitz, Benjamin, New York, N. Y. Aromatic earring or other ornament. 2,471,949, May 31.
- Glowitz, Benjamin, Bronx, N. Y. Aromatic ornament. 2,492,039, Dec. 20.
- Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Extruded frame member. 2,460,982, Feb. 8.
- Gilpin, Robert D.: *See—*
Dunbar, James Y., Gilpin, and Hussey.
- Gilpin, William S., assignee: *See—*
Ross, Albert M., and Gilpin.
- Gilron Products Company, assignee: *See—*
Orozco, Gilbert H., and Henricks.
- Whitbeck, Roland A.
- Gilson, Clair A., Stuart, Fla. Rotary internal-combustion engine. 2,461,377, Feb. 8.
- Gilson, Clair A., Stuart, Fla. Calculating device. 2,478,096, Aug. 2.
- Gilson & Neeb Company, assignee: *See—*
Gilson, Seth J.
- Gilson, Robert J.: *See—*
White, Adam W., and Gilson.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,471,320, May 24.
- Gilson, Robert M., Pittsburgh, and P. N. Martin, Penn Township, Allegheny County, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,469,960, May 10.
- Gilson, Robert M., Pittsburgh, and L. K. Hedding, Wilkinsburg, assignors to The Union Switch and Signal Company, Swissvale, Pa. Power supply means. 2,490,427, Dec. 6.
- Gilson, Seth J., assignor to Gilson & Neeb Company, Cleveland, Ohio. Gyrotory vibration screen apparatus. 2,477,123, July 26.
- Ginder, Raymond M., assignor, by mesne assignments, to The Wyatt Manufacturing Company, Incorporated, Salina, Kans. Hay stacker and loader. 2,481,994, Sept. 13.
- Gingold, Rudolf, New York, N. Y. Container for a comb. 2,472,700, June 7.
- Gingrich, Clair C., Kewanee, Ill. Apparatus for detecting uncapped bottles. 2,472,945, June 14.
- Gingrich, Hiram E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Connection for bracing rods. 2,488,285, Nov. 15.
- Gingrich, Walter, North Brunswick, assignor to Aermotive Corporation, New Brunswick, N. J. Airplane parking device. 2,476,594, July 19.
- Giniewski, Otto I., Jerusalem, assignor of one-half to M. Pihl, Talbieh-Jerusalem, Palestine. Preparation of extracts from citrus fruit peel. 2,485,279, Oct. 18.
- Ginsberg, Abraham J., New York, N. Y. Film rack. 2,459,699, Jan. 11.
- Ginsburg, Harry, Atlantic City, N. J. Preparing a rye sour for baking purposes. 2,476,242, July 12.
- Ginter, Hans, assignee: *See—*
Hradecky, Josef.
- Ginther, Elwood I., Philadelphia, Pa. Demountable hollow molding and receptacle. 2,484,992, Oct. 18.
- Ginzton, Edward L.: *See—*
Woodyard, John R., Ginzton, and Learned.
- Ginzton, Edward L., Garden City, N. Y., assignor to The Sperry Corporation. Radio distance measuring system. 2,485,583, Oct. 25.
- Ginzton, Edward L., Wantaugh, N. Y., assignor to The Sperry Corporation. Distance measuring apparatus. 2,485,584, Oct. 25.
- Ginzton, Edward L., Wantaugh, N. Y., assignor to The Sperry Corporation. Modulation control apparatus. 2,460,498, Feb. 1.
- Ginzton, Edward L., Wantaugh, N. Y., assignor to The Sperry Corporation. Transmitter and/or receiver circuits. 2,462,856, Mar. 1.
- Ginzton, Edward L., W. W. Hansen, and R. H. Varian, Garden City, N. Y., assignors to The Sperry Corporation. Automatic tuning control system. 2,462,857, Mar. 1.
- Giordano, Anthony: *See—*
Stoudt, Bernard, and Giordano.
- Giorgi, Alfred L.: *See—*
Schwartz, Theodore F., and Giorgi.
- Giorgianni, Joseph, Providence, R. I. Fault indicator for closed circuit installations. 2,488,622, Nov. 22.
- Giovanini, Anna A. Y., Los Angeles, Calif. Knitting needle holder. 2,461,816, Feb. 15.
- Gipple, Donald C., and W. G. Sindt, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive disk and making same. 2,492,143, Dec. 27.
- Gipson, Charles O., assignor to Heinz Manufacturing Company, Inc., Elwood, Ind. Floral rack. 2,459,024, Jan. 11.
- Girard, George P., Chicago, Ill. Fishing tackle device. 2,483,537, Oct. 4.
- Girard, Georges, assignor to Magnetos Lucifer S. A., Geneva, Switzerland. Magneto electric generator. 2,482,476, Sept. 20.
- Girard, Louis B., assignor to L. B. Girard, A. L. Grant, and P. J. Burns, a co-partnership, doing business as Girard Manufacturing Company, Los Angeles, Calif. Pin-setting machine. 2,479,159, Aug. 16.
- Girard Manufacturing Company, assignee: *See—*
Girard, Louis B.
- Girardello, Ettore: *See—*
Spencer, John T., Jr., and Girardello.

Girdler Corporation, The, assignee: *See—*

Atwood, Wilfrid L.
Ellsworth, Carl E.
Hickok, Willard H.
Houlton, Harold G.
Miller, Bruce De H.
Pierce, Eugene C.
Reed, Robert M.

Girdler, Robert M.: *See—*
Burrows, Lawton A., and Girdler.
Varian, Sigurd F., and Ginzton.

Girman, Peter, assignee: *See—*
Reynolds, Charles H.

Girodat, Edward P., assignor of fifty per cent to P. Hyman, Gull Lake, Saskatchewan, Canada. Pickup assembly. 2,484,704, Oct. 11.

Girouard, Hervé A., Montreal, Quebec, Canada. Steam and hot-water boiler. 2,461,051, Feb. 8.

Girouard, Philias H., Washington, D. C. Gun positioning system having a recoil operated protective device. 2,463,531, Mar. 8.

Girouard, Philias H., and D. Wertman, Washington, D. C. Hoisting apparatus. 2,490,797, Dec. 13.

Giroud, Henry A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-synchronous system. 2,458,586, Jan. 11.

Girz, Adolph, assignor to East Shore Machine Products Company, Cleveland, Ohio. Rotary gear pump. 2,471,149, May 24.

Girz, Adolph, Cleveland, assignor, by mesne assignments, to N. M. Gottschalt, Euclid, Ohio. Expandable broach. 2,488,814, Nov. 22.

Girz, Adolph, Cleveland, and W. M. Horton, Lakewood, assignors to N. M. Gottschalt, Euclid, Ohio. Gear pump with wear compensating means. 2,477,797, Aug. 2.

Gisevuis, Frederick J., Jr., assignee: *See—*
Veazey, Willis.

Gisholt Machine Company, assignee: *See—*
Godfriaux, Louis E.
Premo, Lewis W.
Sundt, Vigo von Krogh.

Gissonno, George, Brooklyn, N. Y. Automatic clutch. 2,465,444, Mar. 29.

Gisser, Henry, Philadelphia, Pa. Tester for bearings. 2,471,423, May 31.

Gits, Joseph A., Chicago, Ill. Injection molding apparatus. 2,477,868, July 26.

Gits, Joseph A. and J. P., Chicago, Ill. Waterproof flashlight switch. 2,466,414, Apr. 5.

Gits, Jules P.: *See—*
Gits, Joseph A. and J. P.

Gittens, Edmund D., Roselle, N. J., assignor to Arma Corporation, Brooklyn, N. Y. Instrument stabilizing mechanism. 2,463,687, Mar. 8.

Gittens, Edmund D., Roselle, N. J., assignor to Arma Corporation, Brooklyn, N. Y. Angle calculating apparatus for use with unstable platforms. 2,486,781, Nov. 1.

Gittens, Sidney R., Philadelphia, Pa. Display card and package. 2,471,321, May 24.

Gittings, Lewis D., and R. H. Fundaburk, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Coating compositions. 2,462,631, Feb. 22.

Gitz, John, Roslyn Estates, and A. Z. Boyajian, assignors to Republic Aviation Corporation, Farmingdale, N. Y. Airfoil. 2,483,134, Sept. 27.

Gludice, Gennaro, assignee: *See—*
Ruiz, Ramon A.

Givaudan Corporation, The, assignee: *See—*
Carpenter, Marion S., and Easter.
Gump, William S.
Horsey, Robert E.
Peppel, William J.

Givens, Lynn A., Columbus, Ohio. Mold for butter and similar substances. 2,478,819, Aug. 9.

Givens, Melvin, Montclair, assignor to P. J. Gaylor and F. Laifer, both of Newark, N. J. Tire chain holder. 2,461,267, Feb. 8.

Givoni, Gideon, Melbourne, Victoria, Australia. Appliance for stretching gloves or the like. 2,462,632, Feb. 22.

Gjedebo, Finn, Jorpeland, near Stavanger, assignor to Stavanger Electro-Staalverk Aktieselskaf, Jorpeland, Norway. Extraction process for separating metals. 2,468,660, Apr. 26.

Gjertsen, Paul R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Honing tool. 2,483,997, Oct. 4.

Gjosteen, Ole G.: *See—*
Conradi, Lorentz A., Gjosteen, and Wesenberg.

Glabe, Elmer F.: *See—*
Bauer, Hans F., and Glabe.

Gladen, John N., Glendale, Calif. Hydraulic control system. 2,467,887, Apr. 19.

Gladen, John N., Glendale, Calif. Bushing. 2,471,615, May 31.

Gladding, B. F., and Company, Inc., assignee: *See—*
Cox, James V.

Gladfeiter, Willie I., assignor to Pangborn Corporation, Hagerstown, Md. Work blasting machine. 2,478,156, Aug. 2.

Gladis, George P.: *See—*
Atkinson, Ralph H., and Gladis.

Gladstone, Gilbert, assignor to Gilley, Inc., New York, N. Y. Pitcher with tube for holding coolants. 2,468,661, Apr. 26.

Gladstone, William D., assignee: *See—*

Goldrich, Manny.
Gladstone, William D., New York, N. Y. Drum beater. 2,485,824, Oct. 25.

Glaeser, Alfred L., Claymont, assignor to Hercules Powder Company, Wilmington, Del. Method and apparatus for burning high moisture content fuel. 2,483,728, Oct. 4.

Glafert Corporation, assignee: *See—*

Snyder, Harold H., and Forter.

Glancy, Alfred R., Atlanta, assignor to Georgia Buff Company, Duluth, Ga. Buffing wheel section. 2,480,409, Aug. 30.

Glancy, Anna E., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Wide aperture lens system having means for reducing spherical aberrations. 2,474,837, July 5.

Glancey, William J., Morristown, N. J. Club swing practice means for golfers. 2,462,955, Mar. 1.

Glandis, Joseph, Chicago, Ill., assignor to Rheem Manufacturing Company, San Francisco, Calif. Cleaner and trimmer for rotary welding electrodes. 2,467,027, Apr. 12.

Glanzer, Clarence J., Northfield, assignor to Air-Maze Corporation, Cleveland, Ohio. Filter. 2,478,097, Aug. 2.

Glascote Products, Inc., assignee: *See—*

Brown, Carl S.

Glasgow, Clarence O., assignor to National Tank Company, Tulsa, Okla. Dehydrator. 2,474,475, June 28.

Glasgow, George U., assignor to United States Rubber Company, New York, N. Y. Preparation of synthetic rubber latices. 2,481,838, Sept. 13.

Glasin, John A., Galveston, Tex. Table cushion adjusting mechanism. 2,470,161, May 17.

Glaskin, James B., Colorado Springs, Colo. Fence wire assembling and stretching tool. 2,483,193, Sept. 27.

Glass Block Spacer Guide, Inc., assignee: *See—*

Peterson, John E.

Glass Fibers, Inc., assignee: *See—*

Schleir, Walter R.

Stevens, Charles R.

Glass, John P., Jr., West New York, assignor to Bendix Aviation Corporation, Teterboro, N. J. Induction device having a substantially pure sine wave relation between the coupling and the relative displacement of its elements. 2,488,771, Nov. 22.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,458,937, Jan. 11.

Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Modulator. 2,460,690, Feb. 1.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,467,974, Apr. 19.

Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Electronic motor control circuits. 2,476,657, July 19.

Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Ratio control apparatus. 2,491,725, Dec. 20.

Glassbrook, Clarence I., Swedesboro, and R. C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of gelation. 2,484,284, Oct. 11.

Glasse, Courtney Q., assignor to Eastman Kodak Company, Rochester, N. Y. Photoelectric line scanning. 2,487,865, Nov. 15.

Glassman, Joel, Brookline, Mass. Constructing slip-lasted stitched-down shoes. 2,489,027, Nov. 22.

Glassman, Nathan S., Washington, D. C. Mechanism for traversing artillery pieces. 2,459,159, Jan. 18.

Glassmire, William F., W. R. Smith, and N. B. Haskell, Fort Arthur, Tex., and K. A. Danskin, assignors to The Texas Company, New York, N. Y. Treatment of hydrocarbons with metallic halide-hydrocarbon complex catalysts. 2,463,610, Mar. 8.

Glauber, John J., West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Filament structure for electron discharge devices. 2,462,858, Mar. 1.

Glauber, John J., West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Ultra high frequency electron discharge device. 2,465,370, Mar. 29.

Glauber, John J., West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,471,424, May 31.

Glauber, John J., West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Dual type electron discharge device. 2,477,594, Aug. 2.

Glauser, Samuel, Le Locle, Switzerland. Field glass and protective cover therefor. 2,481,409, Sept. 6.

Glavies, Mike A., Campbell, Ohio. Garment hanger. 2,490,590, Dec. 6.

Glavis, Frank J., Elkins Park, assignor to Röhm & Haas Company, Philadelphia, Pa. Complex nitriles. 2,480,077, Aug. 23.

Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Mineral oil compositions. 2,485,150, Oct. 18.

- Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Corrosion-resisting lubricating compositions. 2,485,376, Oct. 18.
- Glaxo Laboratories Limited, assignee: *See—*
Bide, Austin E., Nicholls, and Wilkinson.
- Glaza, Thaddeus J.: *See—*
Walker, Earl S., and Glaza.
- Glazier, Edwin M.: *See—*
Packie, John W., and Glazier.
- Gleason, Vernon E., Elmira, N. Y. Hydraulic transmission. 2,471,031, May 24.
- Gleason, Anthony H.: *See—*
Sparks, William J., Gleason, and Frolich.
- Gleason, Anthony H., and B. M. Vanderbilt, Westfield, N. J., assignors to Standard Oil Development Company. Polymerization of cyclic dimer of butadiene-1,3 or piperylene. 2,475,234, July 5.
- Gleason, Charles H.: *See—*
Watrous, Ward W., Jr., and Gleason.
- Gleason, John D., assignor to The Paul Bunyan Bait Company, Minneapolis, Minn. Combined leader and sinker. 2,476,088, July 12.
- Gleason, Paul G., Van Nuys, Calif. Turnbuckle. 2,462,382, Feb. 22.
- Gleason, Thomas A., Milwaukee, Wis. Milk can inverting fork truck. 2,468,326, Apr. 26.
- Gleason, William W., assignor to Nachman Corporation, Chicago, Ill. Spring assembly for upholstery. 2,473,706, June 21.
- Gleason Works, assignee: *See—*
Wildhaber, Ernest.
- Gledhill, Eric G. B.: *See—*
Young, Thomas N., and Gledhill.
- Gledhill, Harry, assignee: *See—*
Howlett, Edward J.
- Gledhill, Malcolm, assignee: *See—*
Howlett, Edward J.
- Gledhill, Norman R., assignee: *See—*
Howlett, Edward J.
- Glegg, Gordon L., assignor to The Square Grip Reinforcement Company (London) Limited, London, England. Vibrator. 2,490,122, Dec. 6.
- Gleim, Clyde E.: *See—*
Clifford, Albert M., and Gleim.
- Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Polymer and copolymer of allyl carbamate. 2,483,194, Sept. 27.
- Glen, Earl W., assignor to Wingfoot Corporation, Akron, Ohio. Flexible protective cushion for tire chaffer area. 2,484,620, Oct. 11.
- Glendening, Loran H., and B. H. Beedle, Kalamazoo, Mich. Filing cabinet work shelf. 2,468,662, Apr. 26.
- Glenfield and Kennedy Limited, assignee: *See—*
Boucher, Percival L.
- Glenn Confections, Inc., assignee: *See—*
Williams, Paul A.
- Glenn, John W.: *See—*
Watson, William E., and Glenn.
- Glenn, John W., Jr.: *See—*
Burdick, John N., and Glenn.
- Glenn, Marlow, Twin Falls, Idaho. Pedestal supported knockdown chair. 2,467,664, Apr. 19.
- Glenn, Wilbur A., and C. M. Buck, Jr., assignors to Pacific Grape Products Company, Modesto, Calif. Can feeding machine. 2,466,228, Apr. 5.
- Glennon, Charles F., Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Wire-end bending attachment for drawing blocks. 2,485,046, Oct. 18.
- Glenny, Arthur P., Hanworth, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England. Gimbal and other bearings. 2,484,821, Oct. 18.
- Glenny, Arthur P., Hanworth, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England. Automatic control system for dirigible craft. 2,488,286, Nov. 15.
- Glenwood Range Company, assignee: *See—*
Burt, James P.
Leighton, James A.
Stevens, Earle A.
- Glick, Jack: *See—*
Lonstein, Irving and Glick.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,468,621, Apr. 26.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,468,622, Apr. 26.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,480,643, Aug. 30.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,483,366, Sept. 27.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Detachable supporting frame for garments. 2,483,367, Sept. 27.
- Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Detachable frame mounting for brassières. 2,484,219, Oct. 11.
- Glick, Joseph, assignee: *See—*
McMahon, Walter J.
- Glick, Leslie P.: *See—*
Beck, Theodore H., and Glick.
- Glidden Company, The, assignee: *See—*
Hampton, Burt L.
Jullian, Percy L., Cole, Magnani, and Meyer.
Jullian, Percy L., Krapel, and Armstrong.
O'Brien, James J.
Moore, Charles G.
- Glidden, Joseph D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Closure assembly. 2,479,612, Aug. 23.
- Glitsch Engineering Company, assignee: *See—*
Glitsch, Hans C.
- Glitsch, Hans C., Dallas, Tex., assignor, by mesne assignments, to Glitsch Engineering Company. Bubble cap mounting. 2,461,729, Feb. 15.
- Glitsch, Hans C., assignor, by mesne assignments, to Glitsch Engineering Company, Dallas, Tex. Tray for use in refining towers. 2,491,726, Dec. 20.
- Globe American Corporation, assignee: *See—*
Hocker, Francis B.
- Globe Hoist Company, assignee: *See—*
Frey, George.
Thompson, Elmer B.
- Globe Industries, Inc., The assignee: *See—*
Aronoff, Samuel.
Robertson, William H.
- Globe Oil Tools Company, assignee: *See—*
Goodwin, John S.
Goodwin, John S., and Whittaker.
Smith, Edward M., Whittaker, and Goodwin.
Stevenson, Edward E.
- Globe-Union Inc., assignee: *See—*
Appel, George C.
Roup, Roland R.
Kodama, George T., and Ehlers.
Volkman, Willy B.
- Globe-Werke Co., The, assignee: *See—*
Brinker, John H., and Conley.
Conley, Frank.
Deutemeler, Herbert W.
- Globe-Wernicke Company, The, assignee: *See—*
Srofe, Jesse.
- Glocker, Edwin M.: *See—*
Peake, Clarence W., and Glocker.
- Glocker, Eugénie, administratrix: *See—*
Glocker, Gustave.
- Glocker, Gustave, Washington, D. C.; E. Glocker, administratrix of said G. Glocker, deceased, assignor to Super-Seal Container Corporation, Washington, D. C. Container and closure therefor. 2,471,565, May 31.
- Gloess, Paul F. M., assignor to Societe française Sadr Carpentier, Paris, France. Electric signal transmission system. 2,491,969, Dec. 20.
- Gloess, Paul F. M., and L. J. Libots, Paris, France. Translation of duration modulated code pulses into equal length code pulses. 2,485,821, Oct. 25.
- Glorig, Aram H., New York, N. Y. Shoe holding device. 2,465,017, Mar. 22.
- Glos, Raymond E., Freeport, assignor to Locomotive Firebox Company, Chicago, Ill. Making thermic siphons. 2,483,091, Sept. 27.
- Gloss, Gunter H., Redwood City, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacture of magnesium products. 2,458,847, Jan. 11.
- Glover, Bill, Incorporated, assignee: *See—*
Glover, William C., Jr.
- Glover, Leonard E., assignor to himself and Pitter Gauge & Precision Tool Co. Limited, Leatherhead, England. Micrometer gauge and the like. 2,471,322, May 24.
- Glover, W. T., & Company Limited, assignee: *See—*
Beaver, Charles J., and Davey.
- Glover, William C., Jr., assignor to Bill Glover Incorporated, Kansas City, Mo. Garment spotting machine. 2,479,925, Aug. 23.
- Glowacki, William L., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Separation of orthoxylene from isomeric xylenes by fractional distillation. 2,466,699, Apr. 12.
- Gluck, Fred C., assignor to Minerva Wax Paper Company, Minerva, Ohio. Dispensing carton for paper rolls. 2,463,375, Mar. 1.
- Gluck, Fred C., assignor to Minerva Wax Paper Company, Minerva, Ohio. Carton. 2,474,783, June 28.
- Gluckin Corporation, The, assignee: *See—*
Gluckin, Harry.
Gluck, Jack.
- Gluckin, Edwin W., Brooklyn, N. Y. Brassière and similar garment. 2,470,847, May 24.
- Gluckin, Harry, assignor to The Gluckin Corporation, New York, N. Y. Brassière or similar garment. 2,468,623, Apr. 26.
- Gluckin, Harry, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,483,272, Sept. 27.
- Gluckin, Harry, assignor to The Gluckin Corporation, New York, N. Y. Garment supporting frame. 2,483,273, Sept. 27.
- Gluckin, Harry, assignor to The Gluckin Corporation, New York, N. Y. Breast covering garment. 2,483,274, Sept. 27.
- Gluesenkamp, Earl W.: *See—*
Flincke, John K., and Gluesenkamp.

- Gluhareff, Michael E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter rotor. 2,465,681, Mar. 29.
- Gluhareff, Michael E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor. 2,475,318, July 5.
- Gluhareff, Michael E., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rubber rib mounting. 2,486,710, Nov. 1.
- Gluhareff, Michael E., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rubber mounted tail rotor. 2,487,646, Nov. 8.
- Gluhareff, Michael E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Stop for helicopter blades. 2,471,681, May 31.
- Gluyas, Thomas M., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Modulator. 2,490,428, Dec. 6.
- Gluyas, Thomas M., Jr., Westmont, N. J., assignor to Radio Corporation of America. Antenna system. 2,490,957, Dec. 13.
- Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Urea formaldehyde type of molding compounds and producing same. 2,470,393, May 17.
- Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Furfuryl alcohol compounds. 2,470,394, May 17.
- Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Die assembly for shaping curing rings. 2,467,125, Apr. 12.
- Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Die casting machine. 2,478,657, Aug. 9.
- Glynn, Edwin A., assignor to Super Mold Corporation, Lodi, Calif. Control mechanism for tire molds. 2,489,486, Nov. 29.
- Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Window ventilator heater. 2,463,260, Mar. 1.
- Glynn, Theodore W. and C. R. Venable, assignors to Blue Ridge Glass Corporation, Kingsport, Tenn. Electric heating element. 2,486,148, Oct. 25.
- Gmeiner, Joseph J.: *See—*
Schlenker, Max E., and Gmeiner.
- Goble, Ralph W., Denver, Colo., and G. Jackson, Long Beach, Calif., assignors to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Methods of and apparatus for transmitting intelligence to the surface from well bores. 2,492,794, Dec. 27.
- Goddard, Alvin C., assignor to Toast-O-Lator Co., Inc., Long Island City, N. Y. Nonmetallic cover for bread toasters. 2,476,142, July 12.
- Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Modulated wave shaper. 2,468,624, Apr. 26.
- Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Remote-control system for selectively controlling a plurality of adjustable elements. 2,474,663, June 28.
- Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency shift keyer. 2,476,141, July 12.
- Goddard, Ester C., executrix: *See—*
Goddard, Robert H.
- Goddard, Merrill B., Chicago, Ill., assignor to Carrier Corporation, Syracuse, N. Y. Defrosting control arrangement. 2,476,184, July 12.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Gas producing apparatus and method. 2,463,098, Mar. 1.
- Goddard, Robert H., Annapolis, Md.; E. C. Goddard, executrix of said R. H. Goddard, deceased, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Reaction combustion chamber for unconfined charges of detonative fuel fed intermittently to the combustion chamber. 2,465,525, Mar. 29.
- Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Pump sealing means. 2,465,526, Mar. 29.
- Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Centrifugal pump with intermittent discharge. 2,465,527, Mar. 29.
- Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Cooling projected devices. 2,468,820, May 3.
- Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber with refractory lining. 2,476,185, July 12.
- Goddard, Robert H., deceased, Annapolis, Md.; E. C. Goddard, executrix, assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotating combustion chamber with continuous rearward discharge. 2,479,829, Aug. 23.
- Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid feeding device. 2,482,260, Sept. 20.
- Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Flow control mechanism for cooling systems. 2,482,261, Sept. 20.
- Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Steam production in jacketed combustion chambers. 2,482,262, Sept. 20.
- Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Jet control apparatus applicable to entrainment of fluids. 2,486,019, Oct. 25.
- Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Fuel and water feeding and steam discharge arrangement for combustion chambers. 2,487,435, Nov. 8.
- Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Apparatus for vacuum tube transportation. 2,488,287, Nov. 15.
- Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Jet directive device. 2,491,610, Dec. 20.
- Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid-cooled discharge nozzle. 2,492,569, Dec. 27.
- Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotating combustion chamber. 2,492,570, Dec. 27.
- Godfrey, Charles J., assignor, by mesne assignments, to Hilger & Watts Limited, London, England. Optical precision gauge. 2,483,897, Oct. 4.
- Godfrey, Charles J., and V. W. H. Towns, assignors, by mesne assignments, to Hilger & Watts Limited, London, England. Optical device for accurate reading of annular scales. 2,480,237, Aug. 30.
- Godfrey, James H., Berlin, assignor to The Stanley Works, New Britain, Conn. Power-driven grass trimmer. 2,485,963, Oct. 25.
- Godfrey L. Cabot Inc., assignee: *See—*
Amon, Fred H.
- Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Piston and cylinder construction for reciprocating hydraulic motors. 2,471,484, May 31.
- Godley, Fred O., Charlotte, N. C., assignor, by mesne assignments, to Sperry Corporation, New York, N. Y. Center delivery rake. 2,481,995, Sept. 13.
- Godman, Earl B., Phoenix, Ariz. Blower wheel. 2,482,847, Sept. 27.
- Godon, Wilmot W.: *See—*
Lipman, Maurice S., and Godon.
- Godsey, Frank W., Jr.: *See—*
Kilgore, Lee A., Godsey, Rose, and Powers.
Langer, Bernard F., and Godsey.
- Godsey, Frank W., Jr., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque and power measuring device for shafts. 2,461,685, Feb. 15.
- Godsey, Frank W., Jr., Mount Lebanon, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Electrical torque measuring device. 2,482,477, Sept. 20.
- Godsey, Frank W., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Strain responsive device. 2,467,738, Apr. 19.
- Godsey, Verne, Wichita, Kans. Eliminating the effects of wear in universal joints. 2,477,449, July 26.
- Godshall, George M., Leonardo, N. J. Hot-water heating unit. 2,460,691, Feb. 1.
- Godson, Walter P., New York, N. Y. Mixing apparatus. 2,463,376, Mar. 1.
- Godwin, Gurney L.: *See—*
Hoover, Dillon B., and Godwin.
- Godwin, William S., Baltimore, Md. Dowel supporting assembly. 2,460,172, Jan. 25.
- Goebel, Charles G., assignor to Emery Industries, Inc., Cincinnati, Ohio. Purification of oleic acid. 2,482,760, Sept. 27.
- Goebel, Charles G., assignor to Emery Industries, Inc., Cincinnati, Ohio. Polymerization of unsaturated fatty acids. 2,482,761, Sept. 27.
- Goebel, Edward F., Grand Rapids, Mich. Fuel oil filter. 2,488,009, Nov. 15.
- Goebel, Henry, Hollis, N. Y. Egg separator. 2,463,168, Mar. 1.
- Goebel, Max T., Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfonated copolymer of styrene and maleic anhydride. 2,475,886, July 12.

- Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfaunder Co., Rochester, N. Y. Noncorrodible valve. 2,469,109, May 3.
- Goedrich, Louise M., executrix: *See—*
Goedrich, Paul.
- Goedrich, Paul, Newark, N. J.; L. M. Goedrich, executrix of said Paul Goedrich, deceased. Sulfa-drugs and their production. 2,481,105, Sept. 6.
- Goehmann, Maurice H., Dearborn, Mich., assignor, by mesne assignments, to the United States of America. Rocket-propelled device. 2,470,162, May 17.
- Goehring, Francis R., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Plug cock. 2,487,436, Nov. 8.
- Goehst, John H., Chicago, Ill., assignor to Federal Enterprises, Inc. Tubular lamp base and socket. 2,463,960, Mar. 8.
- Goehst, John H., Chicago, Ill., assignor to Federal Enterprises, Inc. Lamp fixture for tubular lamps. 2,463,961, Mar. 8.
- Goelter, Robert A., Scarsdale, N. Y. Connector. 2,475,741, July 12.
- Goeltz, Walter H., Kenosha, assignor to Modine Manufacturing Company, Racine, Wis. Heat exchanger. 2,488,623, Nov. 22.
- Goemmel, William P., Baltimore, Md. Jet propelled airplane with wing discharge slot. 2,479,487, Aug. 16.
- Goepfert, George J.: *See—*
Ries, Kernell G., Goepfert, and Easter.
- Goepfert, George J., Niagara Falls, and N. P. Robie, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles and manufacturing the same. 2,468,056, Apr. 26.
- Goepfert, Werner F., Short Hills, N. J., assignor to Interchemical Corporation, New York, N. Y. Production of sugar cane wax. 2,476,974, July 26.
- Goepfrich, George A., assignor to Bendix Aviation Corporation, South Bend, Ind. Multiple valve arrangement. 2,492,628, Dec. 27.
- Goepfrich, Rudolph A.: *See—*
House, Bryan E., and Goepfrich.
- Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Independent control and locking means for two brakes. 2,479,830, Aug. 23.
- Goepfrich, Rudolph A., and B. E. House, assignors to Bendix Aviation Corporation, South Bend, Ind. Internally expanding brake. 2,475,491, July 5.
- Goepfrich, Rudolph A., and B. E. House, assignors to Bendix Aviation Corporation, South Bend, Ind. Internally expanding brake. 2,475,492, July 5.
- Goerg, Emil F., Dunellen, N. J. Guard for rolls. 2,491,655, Dec. 20.
- Goertz, Raymond C.: *See—*
Peoples, James A., Jr., Scheib, and Goertz.
- Goette, George W.: *See—*
Yauger, Harland A., and Goette.
- Goettings, Walter J., Greenfield, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for welding the seams of tubular articles. 2,483,973, Oct. 4.
- Goettisheim, Lawrence J., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Electromagnetic clutch and brake device. 2,464,129, Mar. 8.
- Goettsch, Walter J., Kenilworth, Ill., assignor to Samuel M. Langston Co. Heating system for corrugating machines. 2,487,647, Nov. 8.
- Goetz, Henry E., Brooklyn, N. Y. Sampling device. 2,458,508, Jan. 11.
- Goetz, Lawrence R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical bridge circuit for testing the value of a resistor. 2,468,625, Apr. 26.
- Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Tape feed suppressor. 2,472,701, June 7.
- Goetz, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Telegraph system. 2,482,264, Sept. 20.
- Goetz, Otto T.: *See—*
Besag, Arnold, and Goetz.
- Goff, Clarence W., Washington, Iowa. Hitch mechanism. 2,458,848, Jan. 11.
- Goff, Clarence W., Washington, Iowa. Hitch mechanism. 2,491,373, Dec. 13.
- Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Torque limiting device. 2,468,193, Apr. 26.
- Goff, Loyal G.: *See—*
Reynolds, Orr E., and Goff.
- Goff, Milton R., Rochester, N. Y., assignor to the United States of America, as represented by the Secretary of War. Rocket holding device. 2,460,929, Feb. 8.
- Goff, Richard C., Rockville, Md. Traction chain device. 2,481,308, Sept. 6.
- Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Snap action electric switch. 2,468,551, Apr. 26.
- Goforth, Lula, Denver, Colo. Abdominal bandage. 2,461,208, Feb. 8.
- Gogan, Joseph, Lakewood, Ohio. Apparatus for treating hollow bodies. 2,458,587, Jan. 11.
- Gozan, Joseph, Lakewood, Ohio. Straightening and quenching apparatus with contracting dies and auxiliary loading platform. 2,467,665, Apr. 19.
- Gogniat, Theodore, Pittsburgh, Pa. Portable fire alarm. 2,469,501, May 10.
- Gohn, Joseph F., assignee: *See—*
Wittlofft, Charles H.
- Gohorel, Fernand P., Antony, France, assignor to International Standard Electric Corporation, New York, N. Y. Multioffice telephone system. 2,468,057, Apr. 26.
- Gohorel, Fernand P., Antony, France, assignor to International Standard Electric Corporation, New York, N. Y. System and process for the remote control of selectors or similar units. 2,490,048, Dec. 6.
- Gohr, Edwin J., Summit, N. J., assignor to Standard Oil Development Company. Production of unsaturated hydrocarbons and hydrogen. 2,471,104, May 24.
- Gohr, Edwin J., and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Apparatus for carrying out catalytic reactions. 2,470,395, May 17.
- Gohr, Edwin J., Summit, H. Z. Martin, Cranford, C. E. Jahnig, Roselle, C. W. Tyson, Summit, and J. M. Graham, Plainfield, N. J., assignors to Standard Oil Development Company. Apparatus and process for catalytic reactions. 2,490,798, Dec. 13.
- Goines, Albert C.: *See—*
Goines, John L., A. C., and C. S., and Howard and Holland.
- Goines, Charles S.: *See—*
Goines, John L., A. C., and C. S., and Howard and Holland.
- Goines, John L., A. C., and C. S., Charlotte, R. R. Howard, and G. S. Holland, Concord, N. C., said Howard and said Holland assignors to said J. L. Goines, said A. C. Goines, and said C. S. Goines. Multiple printing machine. 2,467,618, Apr. 19.
- Golben, Michael, Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Viscose preparation. 2,492,421, Dec. 27.
- Goubert, Serge, Toulouse, Haute Garonne, France, assignor to S. A. Societe Nationale de Constructions Aeronautiques du Sud-Est. Machines used for the assembly of large sized metal panels. 2,476,038, July 12.
- Gold, Ira, assignor to Atlas Toy Company, Chicago, Ill. Miniature toy phonograph. 2,470,435, May 17.
- Gold, Marvin H., and L. J. Druker, assignors to The Visking Corporation, Chicago, Ill. Nitro alkane sulfonyl chlorides. 2,467,028, Apr. 12.
- Gold, Marvin H., and L. J. Druker, assignors to The Visking Corporation, Chicago, Ill. Nitro sulfonates from beta-nitro alkanols. 2,477,869, Aug. 2.
- Gold, Marvin H., and L. J. Druker, assignors to The Visking Corporation, Chicago, Ill. Preparing nitroalkane sulfonates. 2,477,870, Aug. 2.
- Gold, Max, New York, N. Y. Retractable handle for motion-picture projector carriers. 2,481,106, Sept. 6.
- Gold, Nat, Newark, N. J., assignor to N. Gold and J. Marcus, doing business as G. M. Manufacturing Company, New York, N. Y. Furnace. 2,480,324, Aug. 30.
- Gold, Oscar, Rockville Centre, N. Y. Carrying case having link-supported trays. 2,491,374, Dec. 13.
- Gold, William A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Tuning arrangement for thermionic valve circuits. 2,483,409, Oct. 4.
- Goldberg, Abraham G., Chestnut Hill, Mass. License plate mounting for vehicles. 2,461,114, Feb. 8.
- Goldberg, Abraham G., Chestnut Hill, Mass. Collapsible baby carriage. 2,480,570, Aug. 30.
- Goldberg, Alan A., V. Kelley, and H. S. Turner, Bradford-on-Avon, assignors to Ward, Binkinsop & Company Limited, Liverpool, and Howards & Sons Limited, Ilford, England. Manufacture of derivatives of acridine. 2,465,868, Mar. 29.
- Goldberg, Arnold, Bridgeport, Conn., assignor to General Electric Company. Optical image projector for variable indicating devices. 2,479,343, Aug. 16.
- Goldberg, Edwin A.: *See—*
Rajchman, Jan A., and Goldberg.
- Goldberg, Edwin A., Princeton, N. J., assignor to Radio Corporation of America. Generation and modulation of alternating current signals. 2,469,264, May 3.
- Goldberg, Harold: *See—*
Krumhansl, James A., and Goldberg.
- Goldberg, Harold, Baltimore, Md., assignor to Stromberg-Carlson Company, Rochester, N. Y. Pulse time modulation system. 2,466,230, Apr. 5.
- Goldberg, Harold, Baltimore, Md., assignor to Stromberg-Carlson Company, Rochester, N. Y. Dipole antenna. 2,491,493, Dec. 20.
- Goldberg, Harold, Irondequoit, assignor to The Stromberg-Carlson Company, Rochester, N. Y. Automatic gain control system. 2,466,229, Apr. 5.
- Goldberg, Harold, Irondequoit, assignor to Stromberg-Carlson Company, Rochester, N. Y. Dipole antenna. 2,478,913, Aug. 16.
- Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Pulse-time modulator. 2,470,027, May 10.
- Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Frequency and phase modulation detector. 2,483,195, Sept. 27.
- Goldberg, Harry, assignor by mesne assignments, to Pioneer Gen.-E-Motor Corporation, Chicago, Ill. Magneto magnet. 2,469,196, May 3.
- Goldberg, Herman, Chicago, Ill. Drilling machine. 2,472,967, June 14.

- Goldberg, Herman, Chicago, Ill. Drilling machine. 2,472,968, June 14.
- Goldberg, Herman S., Dayton, Ohio. Image projection system for speakers' stands. 2,484,379, Oct. 11.
- Goldberg, Jacob M., Denver, Colo. Moving picture film reel. 2,462,261, Feb. 22.
- Goldberg, Leo, U. S. Navy. Nonspill battery plug. 2,480,850, Sept. 6.
- Goldberg, Max, New York, N. Y. Positive grip filling machine. 2,476,723, July 19.
- Goldberg, Max, New York, N. Y. Filling machine having reticulated drums for filling fabric containers with fibrous material. 2,488,394, Nov. 15.
- Goldberg, Max, New York, N. Y. Filling machine. 2,488,395, Nov. 15.
- Goldberg, Moses W., Upper Montclair, and S. Teitel, Rutherford, assignors to Hoffman-La Roche Inc., Nutley, N. J. Preparing metal salts of penicillin. 2,459,315, Jan. 18.
- Goldberg, Moses W., Upper Montclair, and S. Teitel, Nutley, assignors to Hoffmann-La Roche Inc., Nutley, N. J. β -dihydro- α -ionylamine and the acid addition salts thereof. 2,483,381, Sept. 27.
- Goldberg, Moses W., Upper Montclair, and S. Teitel, Nutley, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. New penicillin salt. 2,483,382, Sept. 27.
- Goldberg, Moses W., Upper Montclair, and L. H. Sternbach, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Synthesis of biotin. 2,489,232, Nov. 22.
- Goldberg, Moses W., Upper Montclair, and L. H. Sternbach, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Imidazolido-tetrahydrofurans. 2,489,233, Nov. 22.
- Goldberg, Moses W., Upper Montclair, and L. H. Sternbach, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Thiophanes and their production. 2,489,234, Nov. 22.
- Goldberg, Moses W., Upper Montclair, and L. H. Sternbach, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Synthesis of biotin. 2,489,235, Nov. 22.
- Goldberg, Moses W., Upper Montclair, and L. H. Sternbach, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Synthesis of biotin and related compounds. 2,489,236, Nov. 22.
- Goldberg, Moses W., Upper Montclair, and L. H. Sternbach, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. 3,4-(2'-keto-imidazolido)-2'-hydroxy-pentyl-thiophanes. 2,489,237, Nov. 22.
- Goldberg, Moses W., Upper Montclair, and L. H. Sternbach, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Debenzylation of benzyliated imidazolido-thiophane compounds. 2,489,238, Nov. 22.
- Goldberg, Salomon, assignee: *See*—Blampain, Henri.
- Goldberg, Samuel D., Jamaica, N. Y. Syringe and ampoule combination and ampoule. 2,483,825, Oct. 4.
- Goldberg, Simon M., Tucson, Ariz. Portable chlorine gas generator and inhaler. 2,466,020, Apr. 5.
- Goldberg, Sydney J., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aircraft gun position indicator. 2,466,985, Apr. 12.
- Goldblatt, Sidney *See*—Weiner, Samuel, and Goldblatt.
- Golden, David, New York, N. Y. Collapsible carton. 2,484,085, Oct. 11.
- Golden, James F., Atlanta, Ga. Folding table for automobile seats. 2,483,043, Sept. 27.
- Golden, Milton J.: *See*—Omohundro, Allen L., Golden, and Neumeier.
- Golden, Sidney, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War. Ordnance pressure time recorder. 2,475,387, July 5.
- Golden, Sidney, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War. Rocket projectile. 2,490,349, Dec. 6.
- Golden, Sue, assignor to Alfred A. Doran, New York, N. Y. Dispenser for facial tissues. 2,474,784, June 28.
- Golden State Company, Ltd., assignee: *See*—Hawk, Le Roy R.
- Reinhard, Robert N.
- Goldfarb, Adolph, Chicago, Ill. Toy which is actuated to simulate the actions of a fowl. 2,479,488, Aug. 16.
- Goldfarb, Adolph E., Chicago, Ill. Educational device. 2,492,571, Dec. 27.
- Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Four-way cable contact. 2,461,268, Feb. 8.
- Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray transformer control. 2,477,298, July 26.
- Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Motor braking device. 2,479,344, Aug. 16.
- Goldman, Aron L.: *See*—Malki, Moises, Matzkin, and Goldman.
- Goldman, Bronislaw, Pittsburgh, Pa. Apparatus for mixing liquids or the like. 2,491,656, Dec. 20.
- Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Tubes, pipes, and the like. 2,473,875, June 21.
- Goldman, Sanford L., Long Beach, N. Y. Transparent loose-leaf binder. 2,480,917, Sept. 6.
- Goldman, Sanford L., Long Beach, N. Y. Collapsible easel. 2,480,918, Sept. 6.
- Goldmark, Peter C., New Canaan, Conn., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,466,021, Apr. 5.
- Goldmark, Peter C., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,480,571, Aug. 30.
- Goldrich, Manny, Hewlett, assignor to W. D. Gladstone, New York, N. Y. Drum beater. 2,485,822, Oct. 25.
- Goldrich, Manny, Hewlett, assignor to W. D. Gladstone, New York, N. Y. Drum beater. 2,485,823, Oct. 25.
- Goldrick, Richard M., Arlington, and B. M. Marks, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Phosphorus sulfide treated ethylene polymer composition. 2,480,297, Aug. 30.
- Goldsbary, Albert W., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Fractionally distilling in alternate heating and cooling zones. 2,477,595, Aug. 2.
- Goldsbary, Albert W., Northbrook, and H. S. Martin, Glenview, assignors to The Pure Oil Company, Chicago, Ill. Distilling head. 2,468,872, May 3.
- Goldsbrough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-speed sequential relaying system. 2,469,639, Jan. 18.
- Goldsbrough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relaying system for polyphase circuits. 2,462,179, Feb. 22.
- Goldsbrough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single-element distance ground relay. 2,479,345, Aug. 16.
- Goldsbrough, Shirley L., Basking Ridge, and J. L. Blackburn, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selective-pole tripping system. 2,462,180, Feb. 22.
- Goldsby, Arthur R., Beacon, assignor to Texaco Development Corporation, New York, N. Y. Manufacturing high antiknock synthesis gasoline. 2,461,153, Feb. 8.
- Goldsby, Arthur R., Beacon, assignor to Texaco Development Corporation, New York, N. Y. Alkylation method and apparatus. 2,463,262, Mar. 1.
- Goldsby, Fred L.: *See*—Boardman, Harry C., Goldsby, and Orr.
- Goldsby, Fred L., and F. D. Moyer, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Roof support for floating roofs. 2,464,803, Mar. 22.
- Goldsby, Fred L., and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Seal for floating roof tanks. 2,464,804, Mar. 22.
- Goldschmidt, Kurt: *See*—Bloch, Rudolf, Goldschmidt, Schnerb, and Goldschmidt.
- Goldsmith, Alfred N., New York, N. Y. Centercasting network system. 2,465,976, Mar. 29.
- Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Radio guiding system. 2,481,410, Sept. 6.
- Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Color television. 2,481,839, Sept. 13.
- Goldsmith, Alfred N., New York, N. Y. Radio centercasting selection apparatus. 2,488,508, Nov. 15.
- Goldsmith, Dale P. J., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of di-valine. 2,480,644, Aug. 30.
- Goldsmith, Francis H., Bloomington, Ind., assignor to Arco Manufacturing Corporation, Cincinnati, Ohio. Magnetic assembly for permanent magnet type loud speakers. 2,486,837, Nov. 1.
- Goldsmith, Henry A., and A. L. Humbert, assignors, by mesne assignments, to Phipps Products Co., Boston, Mass. Impregnating agent for metal wool pads. 2,483,135, Sept. 27.
- Goldsmith, Joseph, assignor to Raytheon Manufacturing Company, Newton, Mass. Transmission system. 2,475,563, July 5.
- Goldsmith, Philip H., Wilmington, Del. Flow spreader. 2,465,445, Mar. 29.
- Goldsmith, Thomas T., Jr.: *See*—Mann, Estle R., Stanton, and Goldsmith.
- Goldstaub, Heinz H., Snaresbrook, England. Slide rule. 2,473,876, June 21.
- Goldstein, Adolph O., Santa Cruz, Calif. Slicer for citrus fruit and the like. 2,470,813, May 24.
- Goldstein, Alexander, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Moving contact electric current converter. 2,465,682, Mar. 29.
- Goldstein, Charlotte, New York, N. Y., assignor to Laurel Fashions, Inc. Lady's dress garment. 2,460,253, Jan. 25.
- Goldstein, Harry H., North Arlington, Va., R. H. Goldstein, administratrix of said H. H. Goldstein, deceased. Paperboard or the like receptacle partition. 2,489,528, Nov. 29.

- Goldstein, Hymen, Fairlawn, N. J. Parachute target. 2,481,507, Sept. 13.
- Goldstein, Jerome L., and M. A. Strumor, New Rochelle, N. Y. Toy musical instrument. 2,479,738, Aug. 23.
- Goldstein, Joseph, Brookline, Mass. Luminescent shoe. 2,473,877, June 21.
- Goldstein, Ladislav, assignor to International Standard Electric Corporation, New York, N. Y. Geiger counter. 2,485,586, Oct. 25.
- Goldstein, Ladislav, and F. Perrin, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Cold cathode gaseous discharge tube. 2,487,437, Nov. 8.
- Goldstein, Louis, Roxbury, Mass. Portable radio cover. 2,467,471, Apr. 19.
- Goldstein, Maxwell K., Washington, D. C. Direction finder. 2,485,585, Oct. 25.
- Goldstein, Norman : *See—*
Wollan, Ernest O., Pardue, and Goldstein.
- Goldstein, Rose H., administratrix : *See—*
Goldstein, Harry H.
- Goldstein, Simon I., Baltimore, Md. Identification tag. 2,468,397, Apr. 26.
- Goldstine, Hallan E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signaling system. 2,472,769, June 7.
- Goldstine, Hallan E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift signaling system. 2,492,795, Dec. 27.
- Goldstine, Hallan E., and O. F. Voigt, Port Jefferson Station, N. Y., assignors to Radio Corporation of America. Electrical connector. 2,474,310, June 28.
- Goldston, W. L., assignee : *See—*
Winkelmann, Samuel A.
- Goldstrom, Kurt, New York, N. Y. Woven metal basket. 2,486,838, Nov. 1.
- Goldthwaite, George R., North Easton, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Heat exchanger. 2,455,159, Jan. 4.
- Goldwater, Bernard L., Brooklyn, N. Y. Photo identification for checks. 2,462,735, Feb. 22.
- Golombeski, Theodore, Everett, Mass. Bait casting plug. 2,484,162, Oct. 11.
- Golick, Joseph J. : *See—*
Briskin, Jack, and Golick.
- Gollmar, Herbert A. : *See—*
Mitchell, John, and Gollmar.
- Gollmar, Herbert A., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas purification process. 2,464,805, Mar. 22.
- Gollmar, Herbert A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas purification process. 2,490,799, Dec. 13.
- Gollub, Matthew, Philadelphia, Pa. Bag closure having pressure sensitive adhesive. 2,475,236, July 5.
- Golson, Kelly K., Los Angeles, Calif. Self-illuminated transparent protoscope. 2,482,971, Sept. 27.
- Gombosh, John, Pittsburgh, Pa. Casting. 2,461,052, Feb. 8.
- Gomco Surgical Manufacturing Corp., assignee : *See—*
Henderson, Stanford A.
- Gomeck, James, St. Joseph, Mo., assignor to Swift & Company, Chicago, Ill. Manufacturing of natural casings. 2,482,731, Sept. 20.
- Gomersall, John R., assignor to McGraw Electric Company, Elgin, Ill. Electric egg baker. 2,459,933, Jan. 25.
- Gomez, Alfonso, San Antonio, Tex. Sifter for cigarette receptacles. 2,479,613, Aug. 23.
- Gonda, Desiré, Sittingbourne, England. Glazed synthetic resin structure. 2,482,265, Sept. 20.
- Gondek, John T. : *See—*
Rogers, Dayton A., and Gondek.
- Gongoll, Vernon F. : *See—*
Lockwood, Lee J., and Gongoll.
- Gongwer, Calvin A., Norwich, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Delayed-release mechanism. 2,483,044, Sept. 27.
- González, Jorge, Torreon, Mexico, and Y. Meer, Wyckoff, N. J. Conveyor system for cargo airports. 2,470,696, May 17.
- Gonze, Max, Forest-Brussels, assignor to Solvay & Cie, Brussels, Belgium. Manufacture of glycol. 2,472,417, June 7.
- Gooch, Fred P., Swarthmore, Pa., assignor to The Sharples Corporation. Lubricating system for motors. 2,460,283, Feb. 1.
- Gooch, Ralph W., Mill Valley, Calif. Automatic arc lighting apparatus and the like. 2,488,861, Nov. 22.
- Good, George M. : *See—*
Voge, Hervey H., and Good.
- Good, George M., Albany, and H. H. Voge, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Methylcyclopentene production. 2,485,964, Oct. 25.
- Good, George M., Albany, and H. H. Voge, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Methylcyclopentene production. 2,485,966, Oct. 25.
- Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Plural engine control system. 2,459,878, Jan. 25.
- Good, Paul J., St. Louis, Mo., assignor to Robertshaw-Fulton Controls Company. Diaphragm type variable condition indicator or gauge. 2,478,476, Aug. 9.
- Good, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrode. 2,489,157, Nov. 22.
- Goodale, Charles J., and H. B. Marvin, Schenectady, N. Y., assignors to General Electric Company. Accounting machine. 2,471,150, May 24.
- Goodale, Elmer D., New Rochelle, N. Y., and O. H. Schade, West Caldwell, N. J., assignors to Radio Corporation of America. Electron beam control apparatus. 2,490,731, Dec. 6.
- Goodale, Ethel M. : *See—*
McClatchey, Mayme R., and Goodale.
- Goodall-Sanford, Inc., assignee : *See—*
Day, Harland W.
Flynn, Edmund K.
- Goodchild, David C., London, England. Epicyclic change-speed gear. 2,460,081, Jan. 25.
- Goodchild, Harry M., assignor to Merrimac Hat Corporation, Amesbury, Mass. Felt hardening machine. 2,479,228, Aug. 16.
- Goode, John A., Birmingham, England. Chain. 2,480,015, Aug. 23.
- Goodemote, George H. : *See—*
Edwards, Harold and Goodemote.
- Goodenough, Wells P. : *See—*
Feeley, John T., and Goodenough.
- Goodhue, William V. : *See—*
Cole, Frank E., Goodhue, and Heeley.
- Goodhue, William V., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rocket launcher. 2,459,314, Jan. 18.
- Goodhue, William V., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun-loading mechanism. 2,474,975, July 5.
- Gooding, Chester M. : *See—*
Neal, Ralph H., Gooding, and Vahlteich.
Neal, Ralph H., Vahlteich, and Gooding.
Vahlteich, Hans W., Gooding, and Neal.
Vahlteich, Hans W., Neal, and Gooding.
- Gooding, Chester M., Staten Island, N. Y., H. W. Vahlteich, Edgewater, and R. H. Neal, Jersey City, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soyabean oil composition and preparing same. 2,485,633, Oct. 25.
- Gooding, Chester M., Staten Island, N. Y., R. H. Neal, North Bergen, and H. W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y. Citric acid esters in cheese. 2,485,637, Oct. 25.
- Gooding, Chester M., Staten Island, N. Y., H. W. Vahlteich, Englewood, and R. H. Neal, deceased, North Bergen, N. J., by E. Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Margarine and preparing same. 2,485,638, Oct. 25.
- Goodloe, Alfred M., Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Compressed wire mesh unit. 2,462,316, Feb. 22.
- Goodman, Abe, Jr., assignor to American Finishing Company, Memphis, Tenn. Clip removing apparatus. 2,492,741, Dec. 27.
- Goodman, Ben, assignor to Greenmount Manufacturing Company, Baltimore, Md. Tire spotter. 2,479,229, Aug. 16.
- Goodman, Ben, assignor to Greenmount Manufacturing Company, Baltimore, Md. Truck tube repair plate. 2,483,538, Oct. 4.
- Goodman, Bennett E. : *See—*
Pick, Oswald M., and Goodman.
- Goodman, Clark, Cambridge, assignor to New England Mica Company, Waltham, Mass. Mica splitting machine. 2,471,738, May 31.
- Goodman, Curtis J., and A. L. West, Lafayette, Tenn. Change-over mechanism for moving picture projectors. 2,490,123, Dec. 6.
- Goodman, Gilbert, Bayonne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Porcelain enamel. 2,481,474, Sept. 6.
- Goodman, Mac, assignor to Radio Receptor Company, Inc., New York, N. Y. Rectifiers. 2,481,739, Sept. 13.
- Goodman Manufacturing Company, assignee : *See—*
Ardis, Alan E.
Beck, William R.
Bergmann, Ernst R.
Bigelow, Roy S.
Gilbert, Harry.
Hagenbook, Loy D.
Holstein, John H.
Madeira, John R.
Pratt, Charles A.
Skilton, Robert F.
Slemmons, Charles O.
Sloane, William W.
Slomer, Joseph J.
Stedman, Thomas R., and Feazel.
Turner, Dewey O.
Wood, Frank J.
- Goodman, William A., Atlanta, Ga. Armature winding machine. 2,474,353, June 28.
- Goodman, William L., Jr., Highland Park, assignor to Platt Luggage, Inc., Chicago, Ill. Hand luggage. 2,479,831, Aug. 23.

- Goodner, Monroe H., Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J. Resuscitator. 2,483,698, Oct. 4.
- Goodnow, Arthur C., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency conduction heating of elongated metallic material. 2,479,346, Aug. 16.
- Goodpasture, Charles H., Chicago, Ill. Holder for dispensing containers. 2,470,890, May 24.
- Goodrich, B. F., Company, The, assignee: *See—*
 Amacker, Thad M.
 Ardis, Alan E.
 Beber, Adolph J.
 Biggs, Norris W., and Henderson.
 Browning, George L., Jr.
 Budd, Chester B., and Larrick.
 Craig, David.
 Dasher, Paul J.
 Davidson, William L., and Lewis.
 Flora, James M., and Weber.
 Flounders, James M.
 Folt, Vernon L.
 Frederick, Marvin R.
 Gerber, Francis G.
 Gilbert, Harry.
 Gregory, James T.
 Gresham, Thomas L.
 Gresham, Thomas L., and Jansen.
 Gresham, Thomas L., and Shaver.
 Haas, Eugene G.
 Haren, Urban C.
 Harrison, Stuart A.
 Hasselquist, Victor H.
 Held, Fred J., Jr., and Blaine.
 Henson, Robert T., Wheelock, and Riggs.
 Hickler, Walter R.
 Hollerith, Charles.
 Hollis, Arthur L.
 Hooper, James M.
 Hull, Raymond J., and Hursh.
 Hunter, Willson H.
 Hursh, Robert W.
 Jansen, Jacob E.
 Jansen, Jacob E., and Mathes.
 Japs, Archie B.
 Jenkins, William L.
 Krotz, Alvin S.
 LaRue, Albert M.
 Leguillon, Charles W.
 Leguillon, Charles W., and Shusher.
 Le Jeune, Frank H.
 Lequillon, Charles W.
 Liles, Lewis R., and Chapman.
 Lindemann, Robert E.
 Loughborough, Dwight L.
 Loweke, Erwin F.
 Lussier, Joseph A.
 MacDonald, Frank J.
 Mathes, Roger A., and Stewart.
 Miller, Arthur R., Jr.
 Nielsen, James S.
 Phillips, Warren E.
 Sapp, John P.
 Sarbach, Donald V.
 Seifried, Anthony G., and Stoner.
 Semon, Waldo L.
 Slemmons, Charles O.
 Slemmons, Charles O., and Smith.
 Smith, Grant W.
 Smith, Robert W.
 Sternad, Frank S., and Sapp.
 Stewart, William D.
 Stewart, William D., and Standen.
 Stroh, Harold W.
 Sundet, Sherman A.
 Swedish, Frank, Jr.
 Tittle, Harry W.
 Westfahl, Jerome C.
 Wilt, Homer E., and Tincler.
- Goodrich, Earl F., assignor to Kirkhom Manufacturing Corporation, Grand Rapids, Mich. Core clamping means. 2,459,374, Jan. 18.
- Goodrich, Louis, assignor to The Louis Goodrich Corporation, Hackensack, N. J. Electric light for magnetic attachment to automobiles. 2,475,958, July 12.
- Goodrich, Louis, Corporation, The, assignee: *See—*
 Goodrich, Louis.
- Goodrich, Ralph D., Jr., Laramie, Wyo., and T. F. C. Muchmore, Geneva, N. Y. Electronic switch with common cathode output. 2,482,759, Sept. 27.
- Goodrich, Uriel E., Laramie, Wyo. Screen cleaner for pressure filters. 2,460,416, Feb. 1.
- Goodspeed, Charles F., Norwood, assignor of fifty per cent to C. E. Wilbur, Oakland Beach, R. I. Micrometer head. 2,463,261, Mar. 1.
- Goodstein, Charles B., Newton Highlands, Mass. Brad. 2,468,821, May 3.
- Goodwillie, John E., and E. D. Beachler, assignors to Beloit Iron Works, Beloit, Wis. Motor drive for paper making machines. 2,487,702, Nov. 8.
- Goodwin, Carl W.: *See—*
 Martin, Harold W., and Goodwin.
- Goodwin, Carl W., Plainfield, N. J., and H. W. Martin, Malverne, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. One-revolution clutch. 2,475,740, July 12.
- Goodwin, Chester H., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Self-inking porous printing member. 2,490,902, Dec. 13.
- Goodwin, Harold L., Detroit, and K. E. Coppock, Pleasant Ridge, assignors to General Motors Corporation, Detroit, Mich. Rocker panel assembly for automobile bodies. 2,482,906, Sept. 27.
- Goodwin, Harold M., Neepawa, Manitoba, Canada. Portable disk sharpener. 2,475,235, July 5.
- Goodwin, John S.: *See—*
 Smith, Edward M., Whittaker, and Goodwin.
- Goodwin, John S., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Core catcher. 2,471,618, May 31.
- Goodwin, John S., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Roller bit. 2,482,263, Sept. 20.
- Goodwin, John S., and C. E. Whittaker, Whittier, assignors to Globe Oil Tools Company, Los Nietos, Calif. Cone type well drilling bit. 2,470,695, May 17.
- Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Polysilmethylenes and its production. 2,483,972, Oct. 4.
- Goodwin, Lester C., Hornell, N. Y. Trailer chimney. 2,462,383, Feb. 22.
- Goodwin, Louis C., Bessemer, Ala. Meat slicing machine. 2,463,099, Mar. 1.
- Goodwin, Vernon D., Floral Park, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa. Carton for radio tubes and the like. 2,473,582, June 21.
- Goodwin, Willis R., Malden, Mass. Adjustable guide on heel scouring machine. 2,465,528, Mar. 29.
- Goodwyn, Edwin A., Norfolk, Va. Steering apparatus. 2,477,369, July 26.
- Goodyear Aircraft Corporation, assignee: *See—*
 Mayne, Robert, and Hosterman.
 Shaw, Elgin L.
 Wolf, Edward.
- Goodyear, Mark V.: *See—*
 Whiting, Leo R., and Goodyear.
- Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastener attaching machine. 2,460,930, Feb. 8.
- Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Riveting implement. 2,477,056, July 26.
- Gooldsbee, Gordon L., Beaumont, Tex. Multiple air cell mattress. 2,491,557, Dec. 20.
- Goorley, John T., Hudson, assignor to Ben Venue Laboratories, Inc., Bedford, Ohio. Purification of bacitracin. 2,457,887, Jan. 4.
- Gooskens, Henricus, Eindhoven, Netherlands, assignor to General Electric Company, Schenectady, N. Y. Electric incandescent lamp or discharge tube. 2,465,797, Mar. 29.
- Goosmann, William F.: *See—*
 Clark, Llewellynn J., and Goosmann.
- Goostrey, Robert F., Jackson, Mich. Mousetrap. 2,460,417, Feb. 1.
- Gora, Henry Z., assignor to The Gora-Lee Corporation, Stratford, Conn. Cap for containers. 2,492,144, Dec. 27.
- Gora-Lee Corporation, The, assignee: *See—*
 Gora, Henry Z.
- Gorad, Samuel, and P. F. Jacobs, New York, N. Y. Filing and file selecting mechanism. 2,492,796, Dec. 27.
- Goranson, Harold L., Omaha, Nebr. Cable gripping device. 2,492,857, Dec. 27.
- Gorcica, Henry J., Prospect Heights, Ill., and L. J. Novak, Decatur, Ind., assignors to Fearn Laboratories, Inc., Franklin Park, Ill. Product for producing effervescent carbonated beverages. 2,463,962, Mar. 8.
- Gorcica, Henry J., Prospect Heights, Ill., and L. J. Novak, Decatur, Ind., assignors to Fearn Laboratories, Inc., Franklin Park, Ill. Producing a carbamino salt compound. 2,463,963, Mar. 8.
- Gordon, Arthur, Chicago, Ill. Waste trap. 2,464,976, Mar. 22.
- Gordon, Carroll M.: *See—*
 Ghorso, Albert, and Gordon.
- Gordon, Charles T.: *See—*
 Birdwell, Benjamin F., and Gordon.
- Gordon, Chester S., Boonton, W. J. Lally, Madison, and G. H. Zieschang, Morristown, N. J., said Gordon and said Lally assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., said Zieschang, assignor to American Telephone and Telegraph Company. Drop wire clamp. 2,472,527, June 7.
- Gordon, David, Chicago, Ill. Multiswitch means for optionally and selectively operating multifilament means. 2,475,237, July 5.
- Gordon, George H., Bradford Woods, assignor to E. L. Wiegand Company, Pittsburgh, Pa. Control system. 2,472,157, June 7.
- Gordon, Harris and K. C., Burbank, Calif. Simmerer. 2,476,186, July 12.
- Gordon, Harry L., Elmhurst, N. Y. Antifriction ball bearing. 2,475,493, July 5.

- Gordon, Herbert W., assignee, et al.: *See*—
Hanopol, Louis.
- Gordon, Herman L., Silver Spring, Md., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Automatic agitator for apparatus subjecting liquid to electrical potential between electrodes. 2,470,741, May 17.
- Gordon, James, Chicago, Ill. Floor waxing and polishing device. 2,472,895, June 14.
- Gordon, James, Chicago, Ill. Floor waxing device. 2,491,856, Dec. 20.
- Gordon, James F., Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md. Pulse generation. 2,470,028, May 10.
- Gordon, James F., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Adjustable inductor. 2,458,071, Jan. 4.
- Gordon, James F., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Electron tube type phonograph reproducer. 2,482,972, Sept. 27.
- Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Frequency multiplier. 2,482,973, Sept. 27.
- Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Frequency multiplier having an output of pulse groups. 2,482,974, Sept. 27.
- Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Phono-pickup. 2,483,196, Sept. 27.
- Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Variable inductor. 2,483,197, Sept. 27.
- Gordon, John D., Pleasant Ridge, assignor to Progressive Welder Company, Detroit, Mich. Welding mechanism. 2,476,187, July 12.
- Gordon, John T.: *See*—
Solliday, Raymond E., and Gordon.
- Gordon, Joseph M., Chicago, Ill. Laminated phosphorescent fluorescent article. 2,459,693, Jan. 18.
- Gordon, Joseph M., Chicago, Ill. Structure for fluorescent dial panel and making the same. 2,459,694, Jan. 18.
- Gordon, Joseph M., assignor to R. T. Moloney, Chicago, Ill. Luminescent amusement device. 2,460,221, Jan. 25.
- Gordon, Kathryn C.: *See*—
Gordon, Harris and K. C.
- Gordon, Leonard O., Bremerton, Wash. Clip. 2,481,740, Sept. 13.
- Gordon, Le Roy, Richmond, Mich., and L. L. Williams, Cleveland Heights, Ohio. Upholstery pad. 2,458,588, Jan. 11.
- Gordon, Marvin J., Sr.: *See*—
Gordon, Samuel.
- Gordon, Pauline Z., New York, N. Y. Garter hold. 2,466,943, Apr. 12.
- Gordon, Philip L., New York, assignor to American Waterproofing Corporation, Brooklyn, N. Y. Copolymers of vinyl esters of low molecular weight carboxylic acids with poly alkyl esters of aconitic acid and producing the same. 2,486,839, Nov. 1.
- Gordon, Robert B.: *See*—
Scott, Howard, and Gordon.
- Gordon, Samuel W., assignor of one-half to M. J. Gordon, Sr., Canal Fulton, Ohio. Tractor coupler. 2,458,259, Jan. 4.
- Gordon, Thomas E., Jamestown, assignor of fifty per cent to C. A. Kirkpatrick, Williston, N. Dak. Oscillating plow. 2,484,496, Oct. 11.
- Gordon, William, Union City, N. J. Quick-acting screw actuated clamping device. 2,463,263, Mar. 1.
- Gordinier, Ralph E., assignor to Special Engineering Service, Incorporated, Detroit, Mich. Plunger actuated hold-down clamp. 2,482,708, Sept. 20.
- Gordy, Irving, Eatontown, N. J. Sealed potentiometer. 2,457,814, Jan. 4.
- Gordy, Thomas D., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,467,823, Apr. 19.
- Gore, Albert J., Washington, D. C., assignor of forty-five per cent to F. G. Haynes. Combined rest, magazine support, and bookholder. 2,481,107, Sept. 6.
- Gore, Albert J., Washington, D. C., assignor of forty-five per cent to P. L. Gore. Bent wire puzzle. 2,481,108, Sept. 6.
- Gore, Harry F., Bound Brook, N. J. Templet cover or pie and cake cutting guide and cover. 2,487,234, Nov. 8.
- Gore, Philip L., assignee: *See*—
Gore, Albert J.
- Goren, Mayer B., Brighton, Mass., assignor to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,482,762, Sept. 27.
- Gorfin, Alex M., New York, and L. Kadorff, Jackson Heights, N. Y. Direct-current type motor. 2,465,446, Mar. 29.
- Gorham, John E., Spring Lake, and I. Sager, Deal, N. J. High-power pulse generator. 2,459,809, Jan. 25.
- Gorichan, John L., Verden, Ill. Cartridge extractor. 2,489,285, Nov. 29.
- Gorin, Everett: *See*—
Fontana, Celeste M., and Gorin.
- Gorin, Manual and E.
- Kinney, Robert E., and Gorin.
- Gorin, Everett, Dallas, Tex., and J. R. Vorwerck, Maplewood, La., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of aromatics. 2,467,551, Apr. 19.
- Gorin, Everett, and A. G. Oblad, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of cyclohexene. 2,473,472, June 14.
- Gorin, Manuel H., and W. Swerdloff, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Recovery of products of hydrocarbon conversion reactions. 2,462,384, Feb. 22.
- Gorin, Manuel H., and A. J. Abrams, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of synthesis gas. 2,485,875, Oct. 25.
- Gorin, Manuel H., and E. Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of liquid hydrocarbons. 2,488,083, Nov. 15.
- Gorman, Andrew T., Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake apparatus. 2,464,977, Mar. 22.
- Gorman, Daniel A., Sr., Ithaca, N. Y. Composition and method for removing corrosion from zinc, zinc alloys, and zinc coated metals. 2,465,987, Apr. 5.
- Gorman-Rupp Company, The, assignee: *See*—
Rupp, Herbert E.
- Gorman, Thomas J., Jr., Newark, N. J. Bail-carrying partition for cartons. 2,479,739, Aug. 23.
- Gorn, Elmer J., assignor to Raytheon Manufacturing Company, Newton, Mass. Cavity resonator electron discharge device. 2,474,938, July 5.
- Correll, John E., Haworth, N. J. Gear-changing drive. 2,485,151, Oct. 18.
- Gorske, Stanley F., Indianapolis, and C. P. Pepper, Plainfield, assignors to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Spring clutch and engine starter mechanism. 2,486,149, Oct. 25.
- Gorton, George, Machine Company, assignee: *See*—
Henkes, Peter M., and Steinbrecker.
- Gorton, Robert E.: *See*—
Dunnells, Norman A., and Gorton.
- Gorton, William G., Belmont, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Gaseous discharge tube motor circuit. 2,466,022, Apr. 5.
- Gorton, William G., Belmont, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Antihunt electrical servo system. 2,473,423, June 14.
- Gorton, William G., Belmont, F. Pulsifer, North Reading, and A. M. Skudre, Allston, Mass., assignors by mesne assignments, to Raytheon Manufacturing Company. Apparatus for simulating naval vessels and their maneuvers. 2,491,308, Dec. 13.
- Gorzowski, Andrew, Avoca, Pa. Expandable plug for sealing bores. 2,474,047, June 21.
- Gosard, Chester O., St. Paul, Minn. Door closer. 2,460,881, Feb. 8.
- Goshaw, Irl R., assignee: *See*—
Alburger, James R.
- Gosheff, Dragic P., Tampa, Fla. Filler plug and electrolyte level indicator for storage batteries. 2,484,163, Oct. 11.
- Goshorn, Robert R., assignor to Automatic Electrical Devices Company, Cincinnati, Ohio. Gaseous tube flasher circuit. 2,467,472, Apr. 19.
- Goshorn, Robert R., assignor to Automatic Electrical Devices Company, Cincinnati, Ohio. Back panel for flasher casings or the like. 2,482,266, Sept. 20.
- Gosnell, Hardy B., Slater, S. C. Weft tension take-up for looms. 2,482,975, Sept. 27.
- Goss, Clarence C., Streator, Ill. Christmas stand and lighter. 2,487,235, Nov. 8.
- Goss, Harold J., Nashua, N. H., assignor to Central National Bank of Cleveland, Cleveland, Ohio. Method of and machine for making unitary setup covered boxes. 2,469,641, May 10.
- Goss, John C., Pittsburgh, Pa. Hand torch. 2,465,643, Mar. 29.
- Goss Printing Press Company, The, assignee: *See*—
Crafts, Curtis S.
- Foster, Frank A.
- Hooper, William J.
- Lacure, Earl P.
- Pollock, Willard M.
- Ross, William P. V.
- Goss, Wensell I., Pittsburgh, Pa. Motor vehicle automatic speed regulator. 2,486,369, Oct. 25.
- Goss, Wesley R.: *See*—
Pringle, William A., and Goss.
- Goss, Wesley R., Fort Wayne, Ind., assignor to General Electric Company. Adjustable speed dynamoelectric machine. 2,471,151, May 24.
- Goss, Wesley R., Fort Wayne, Ind., assignor to General Electric Company. Brush holder. 2,483,898, Oct. 4.
- Goss, William R., assignee: *See*—
Boyer, Howard B.
- Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Rapid manufacture of sheet lumber. 2,480,851, Sept. 6.
- Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Sheet lumber. 2,485,587, Oct. 25.
- Gosselin, Eugene A., St. Petersburg, Fla. Fireman's hook. 2,490,684, Dec. 6.
- Gosselin, Wilfrid J.: *See*—
Segee, James E., and Gosselin.

- Gossling, Clement E., Toronto, Ontario, Canada. Torque measuring tool. 2,479,230, Aug. 16.
- Gotham Hosiery Company, Inc., assignee: *See*—Gilbert, Henry.
- Gotham, Walter, Union, assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Dispensing drum cover. 2,479,347, Aug. 16.
- Gott, Earl A.: *See*—Morrison, Samuel O., Barnhart, and Gott.
- Gott, Gordon E., Arlington, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Valve for inflatable objects. 2,466,986, Apr. 12.
- Gottfried, Louis, New York, N. Y. Collapsible handle for perambulators. 2,464,226, Mar. 15.
- Gottholm, Carl G., Malden, Mass. Wireworking tool. 2,488,396, Nov. 15.
- Gotti, George A., New York, A. Killian, Elmburst, and N. Volpicelli, Astoria, N. Y. Link chain. 2,471,950, May 31.
- Gotting, Louis F., Los Angeles, Calif. Flywheel rotating tool having jaws applicable to the rim of the flywheel. 2,491,727, Dec. 20.
- Gottlieb, Bertha, Cleveland, Ohio. Invisible seam. 2,461,542, Feb. 15.
- Gottlieb, David, assignee: *See*—Neyens, Wayne E.
- Gottlieb, Manious, Philadelphia, and F. A. Meyer, Sharon Hill, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,472,896, June 14.
- Gottlieb, Steven, Nesher-Yagur, near Haifa, Palestine. Method of and shaft kiln for burning, calcining, or sintering granulated or briquetted materials. 2,464,304, Mar. 15.
- Gottschalk, Lawrence W.: *See*—Williams, James C., and Gottschalk.
- Gottschalk, Lawrence W., New York, N. Y. Seamless hosiery and making the same. 2,474,894, July 5.
- Gottschalk, Lawrence W., Riverdale, N. Y. Knit goods and the like, and methods. 2,469,961, May 10.
- Gottschalk, Lawrence W., New York, N. Y., and C. N. Woodrow, Philadelphia, Pa., said Woodrow assignor to said Gottschalk. Seamless hosiery knitting machine. 2,474,895, July 5.
- Gottschalk, Lionel J., New Orleans, La. Electric welding machine. 2,470,552, May 17.
- Gottschalt, Nellie M., assignee: *See*—Girz, Adolph.
- Girz, Adolph, and Horton.
- Gottshall, William H., Williamsport, Pa. Detachable holder for vehicle bodies. 2,478,578, Aug. 9.
- Goudreau, Delphus, Northbridge, Mass. Dual cross communion set. 2,469,552, May 10.
- Gough, Leslie F., Toronto, Ontario, Canada. Heating unit, including reciprocating grates. 2,472,746, June 7.
- Gougler, C. L., Machine Company, The, assignee: *See*—Gougler, Charles L.
- Yakubik, Michael A.
- Gougler, Charles L., Pasadena, Calif., assignor to The C. L. Gougler Machine Company, Kent, Ohio. Press for molding battery boxes. 2,487,703, Nov. 8.
- Gouirand, Rene, New York, N. Y. Pneumatic suspension means for vehicles. 2,469,962, May 10.
- Gouirand, Rene, New York, N. Y. Tire valve retaining device. 2,475,451, July 5.
- Gouirand, Rene, New York, N. Y. Pneumatic suspension device. 2,488,288, Nov. 15.
- Gould, Bruce A.: *See*—Spunt, Leo, and Gould.
- Gould, Clark W., Jr., assignor to California Institute Research Foundation, Pasadena, Calif. Microfractionation still with capillary tube off-takes for condensate. 2,459,375, Jan. 18.
- Gould, David F., Riverton, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Polymerization of resin oils with mixed clay and organic acid catalyst. 2,460,692, Feb. 1.
- Gould, Estelle, Chicago, Ill. Slip cover. 2,469,876, May 10.
- Gould, George: *See*—Abrahams, Mortimer, and Gould.
- Gould, George M., Yonkers, N. Y. Screen and storm sash hanger. 2,475,887, July 12.
- Gould, Merle S.: *See*—Janapol, Melvin N., and Gould.
- Gould, Robert E., Hamburg, assignor to Buffalo Pottery Incorporated, Buffalo, N. Y. Apparatus for preparing bungs of ceramic ware for firing. 2,469,229, May 3.
- Gould, Robert V., Merrick, N. Y., assignor to The Sperry Corporation. Switching apparatus for ultra high frequency. 2,484,822, Oct. 18.
- Gould, Wallace E.: *See*—Mueller, Lucien W., Bowan, and Gould.
- Goulding, John P.: *See*—Orem, Henry P., Adams, and Goulding.
- Goulds Pumps, Inc., assignee: *See*—Mann, John.
- Goulette, Joseph G., Newmarket, N. H. Radius forming device. 2,470,097, May 17.
- Gourdon, Dorine, assignor to The Barbizon Corporation, New York, N. Y. Lady's garment. 2,460,882, Feb. 8.
- Gourdon, Robert, assignor to Centre d'Etudes M. B. A. (Mecanique, Balistique, Armement), Paris, France. Electromechanical device for governing predetermined changes of positions. 2,469,035, May 3.
- Gourlay, Martin D., Utica, N. Y. Shuttle guard for looms. 2,480,645, Aug. 30.
- Govan, James, Toronto, Ontario, Canada. Filing receptacle. 2,491,040, Dec. 13.
- Govan, James, Toronto, Ontario, Canada. Fire resistant receptacle. 2,492,422, Dec. 27.
- Gove, Winfield D., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel draining apparatus. 2,479,614, Aug. 23.
- Govern, Rena G., Jamaica, N. Y. Material clipper. 2,476,724, July 19.
- Governors of The University of Toronto, The, assignee: *See*—Scott, David A., and Fisher.
- Gowen, Jessie L., Colfax, Wash. Corset stay. 2,469,722, May 10.
- Gozlow, Frank J.: *See*—Hersberger, Arthur B., and Gozlow.
- Grabarsky, Sidney: *See*—Parnell, Walter H., and Grabarsky.
- Grabarsky, Tillie: *See*—Parnell, Walter H., and Grabarsky.
- Grabau, William C., Brighton, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Gas tube controlled servo system. 2,473,424, June 14.
- Grabau, William C., Brighton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Speed measuring device. 2,480,646, Aug. 30.
- Grabeau, Walter G., West Roxbury, Mass. Electric heating system. 2,474,664, June 28.
- Grabert, Carl G., Newburgh, assignor to International Steel Company, Evansville, Ind. Transport box. 2,464,224, Mar. 15.
- Grable, Donovan B., Long Beach, Calif. Pipe-joint retainer. 2,479,740, Aug. 23.
- Grable, Donovan B., assignor of 45/200 to C. C. Taylor, Long Beach, 45/200 to E. W. McGaffey, Bakersfield, and 10/200 to D. W. Ward, Huntington Park, Calif. Centralizing casing and the like in a well. 2,490,350, Dec. 6.
- Grace, John F., Arlington, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Reversible circulation condenser. 2,460,499, Feb. 1.
- Grace, John F., Arlington, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Differential screw jack. 2,485,280, Oct. 18.
- Grace, Milton C., New Orleans, La. Game combining jigsaw puzzle and quiz. 2,481,109, Sept. 6.
- Grace, W. R., & Co., assignee: *See*—Lipscomb, Gaston J.
- Grace, Worthington T., Upper Darby, Pa., and J. C. Muller, Jr., Little Falls, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur vaporizing apparatus. 2,481,411, Sept. 6.
- Gracey, William R., Jr., assignor to The Union Switch & Signal Company, Swissvale, Pa. Detector bar switch lock. 2,482,267, Sept. 20.
- Gradara, Nancy, White Plains, N. Y. Brassiere and garter belt. 2,490,351, Dec. 6.
- Gradisar, Albin A.: *See*—Aitcheson, Thomas G., and Gradisar.
- Gradisar, Albin A., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Connecting parts of optical instruments. 2,465,083, Mar. 22.
- Gradisar, Albin A., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Adjustable film strip and picture projecting device. 2,482,666, Sept. 20.
- Gradisar, Albin A., Buffalo, and O. W. Richards, Snyder, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Coarse and fine adjustment mechanism for microscopes. 2,489,487, Nov. 29.
- Gradsztain, Marcel: *See*—Zerner, Ernst, and Gradsztain.
- Grady, Benjamin: *See*—Wilson, Lawrence A., and Grady.
- Grady, Charles B., Jr., West Orange, N. J., assignor to Celanese Corporation of America. Apparatus for detecting metal particles. 2,477,057, July 26.
- Grady, Francis A., assignee: *See*—Sabbe, Reinhardt N., and White.
- Grady, Frank A., assignee: *See*—Sabbe, Reinhardt N., and White.
- Grady, Stephen S., New York, N. Y. Combination electric switch and circuit breaker. 2,470,301, May 17.
- Graef, Jean P., La Chaux-de-Fonds, Switzerland. Hour-increment hour hand setting mechanism. 2,461,599, Feb. 15.
- Graef, John R.: *See*—Laspe, Albert T., and Graef.
- Graenacher, Charles: *See*—Meyer, Jules, Graenacher, and Ackermann.
- Sallmann, Richard, and Graenacher.

- Graenacher, Charles, Riehen, and F. Ackerman, Binningen, assignors to Ciba Limited, Basel, Switzerland. Derivatives of cyclic amidines and making same. 2,463,264, Mar. 1.
- Graenacher, Charles, Riehen, and P. Streuli, M. Geiger, and E. Usteri, assignors to Ciba Limited, Basel, Switzerland. 3,4-dichloro-1-(α -chloro- β -trichloroethyl)-benzene. 2,477,978, Aug. 2.
- Graenacher, Charles, Riehen, and F. Ackermann, Binningen, assignors to Ciba Limited, Basel, Switzerland. Dimidazoles and making same. 2,488,094, Nov. 15.
- Graenacher, Charles, Riehen, and M. Matter, assignors to Ciba Limited, Basel, Switzerland. Pest-combating compositions and spraying liquids of enhanced adhering capacity. 2,490,958, Dec. 13.
- Graesser, David A., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,488,084, Nov. 15.
- Graf, Alois W., assignee: *See*—Rackoff, Adolph A.
- Graf, Arthur, Far Rockaway, N. Y. Making slide fastener elements. 2,486,941, Nov. 1.
- Graf, Emil, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Gas turbine plant employing make-up air pre-compression for peak loads. 2,463,964, Mar. 8.
- Graf, Paul A., Western Springs, assignor to Container Corporation of America, Chicago, Ill. Method and apparatus for closing and sealing cartons. 2,485,235, Oct. 18.
- Graf, Willi, assignor to Maag Zahnrad Und-Maschinen, A. G., Zurich, Switzerland. Gear grinding machine. 2,486,020, Oct. 25.
- Grafe, William H., assignor to Skilsaw, Inc., Chicago, Ill. Portable tool. 2,482,582, Sept. 20.
- Graff, Chester, Los Altos, Calif. Gravity ball computing apparatus. 2,463,763, Mar. 8.
- Graff, Edwin C., and F. H. Miller, Napa, Calif., said Miller assignor to said Graff. Applicator for insecticides. 2,488,663, Nov. 22.
- Graff, Glen L., New Philadelphia, and J. J. Robinson, Jr., assignors to Marsh Wall Products, Inc., Dover, Ohio. Price tag molding. 2,489,089, Nov. 22.
- Graff, Morris M., New Orleans, La., assignor to United States of America as represented by the Secretary of Agriculture. Production of mono-alkyl esters of the addition product of levo-pimaric acid with maleic anhydride. 2,467,126, Apr. 12.
- Graff, Oscar F., Washington, D. C. Drafting instrument. 2,480,362, Aug. 30.
- Grafringer, Louis N., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Expansion chamber. 2,476,857, July 19.
- Graflex, Inc., assignee: *See*—Coltman, Alfred D.
McCarthy, Claude B.
Steiner, Oscar.
- Grafton, Eugene H., Huntington Park, Calif. Bearing. 2,491,728, Dec. 20.
- Graham, Albert, Canton, Ohio. Gauge holder. 2,476,858, July 19.
- Graham, Charles D., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,468,626, Apr. 26.
- Graham, Charles D., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Air treating apparatus. 2,472,011, May 31.
- Graham, Charles L., and H. J. Dietz, assignors to Eastman Kodak Company, Rochester, N. Y. Phosphorescent materials. 2,478,387, Aug. 9.
- Graham, Charles W., Washington, D. C. Tripod head. 2,464,500, Mar. 15.
- Graham, Clifton B., and V. D. Carver, Oak Ridge, Tenn., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Positive shutoff dispensing nozzle. 2,489,028, Nov. 22.
- Graham, Douglas H., Coventry, B. E. G. Forsling, Rugby, and G. Tabberer, Coventry, England, assignors to General Electric Company. Speed limiting arrangements for turbine rotors. 2,459,519, Jan. 18.
- Graham, Edwin A., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, Mold. 2,459,025, Jan. 11.
- Graham, Eugene, Jr.: *See*—Althouse, William S., Jr., and Graham, Jr.
- Graham, Eugene, Jr., assignor to Grant Oil Tool Company, Los Angeles, Calif. Well bailer. 2,492,694, Dec. 27.
- Graham, Francis D., West Orange, N. J. Glow switch. 2,489,961, Nov. 29.
- Graham, Frank L.: *See*—Berlin, Irving, Graham, and McCann.
- Graham, George K., Oceanside, N. Y., assignor to Radio Corporation of America. System for volume compressions. 2,474,103, June 21.
- Graham, George M., Detroit, assignor to Hinckley-Myers Division of Kent-Moore Organization Inc., Jackson, Mich. Centering mechanism. 2,464,034, Mar. 8.
- Graham, Harold J., Boston, Mass., assignor, by mesne assignments, to Graham Manufacturing Corporation, Detroit, Mich. Welding system. 2,467,379, Apr. 19.
- Graham, Harold J., Boston, Mass., assignor to Graham Manufacturing Corporation, Detroit, Mich. Welding generator safety circuit. 2,486,274, Oct. 25.
- Graham, James B., South Hills, Pa., assignor to National Tube Company. Pipe coupling. 2,491,004, Dec. 13.
- Graham, Jesse B., La Mesa, Calif. Coin-operated typewriter control apparatus. 2,471,617, May 31.
- Graham, John M.: *See*—Gohr, Edwin, J., Martin, Jahnig, Tyson, and Graham.
- Graham, Joseph P., and W. R. Church, Midland, Mich., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Bonding machine. 2,472,820, June 14.
- Graham, Joseph P., and R. D. Lowry, Midland, Mich., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Electrostatic bonding machine. 2,473,143, June 14.
- Graham Manufacturing Corporation, assignee: *See*—Graham, Harold J.
- Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Swivel joint. 2,470,215, May 17.
- Graham, Philip J., assignor to Trig Corporation, Worcester, Mass. Hinged casing structure. 2,474,311, June 28.
- Graham, Richard S., Niles, Mich. Reversible propeller. 2,486,643, Nov. 1.
- Graham, William R., Jr., Johnson County, and G. O. Kohler, Mission, and E. E. Frye, assignors to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Improving the taste of water soluble constituents of forage crops. 2,465,967, Mar. 29.
- Graham, William R., Jr., Kansas City, G. O. Kohler, Mission, Kans., and E. E. Frye, assignors to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Water-soluble products recovered from forage crops. 2,483,634, Oct. 4.
- Graham, William T., Amarillo, Tex. Clamp. 2,464,225, Mar. 15.
- Grabame, James H., Mount Vernon, assignor to The Texas Company, New York, N. Y. Catalytic synthesis of hydrocarbons. 2,464,501, Mar. 15.
- Gralow, Bruce B.: *See*—Hawkinson, Alfred T., Gralow, and May.
- Grambsch, Russell J., Marshfield, Wis. Direct-coupled amplifier with direct-current feedback. 2,458,849, Jan. 11.
- Gramelspacher, Clarence U., Jasper, Ind. Manufacturing bilge barrels. 2,459,316, Jan. 18.
- Gramp, Harold J., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Waterproof shipping container. 2,461,209, Feb. 8.
- Grams, Norman A., assignee: *See*—Langley, Stanley, and Warring.
- Granat, Elie, Paris, France. Alternating current synchronous transmission. 2,461,053, Feb. 8.
- Granat, Leo, San Francisco, Calif. Press and die therefor. 2,459,276, Jan. 18.
- Granath, Axel G., Chicago, assignor to H. S. Simpson, Evanston, Ill. Mixer. 2,471,487, May 31.
- Granberg, Albert J., Oakland, Calif. Fueling system. 2,459,317, Jan. 18.
- Granberg, Albert J., Oakland, Calif. Strainer. 2,471,951, May 31.
- Granberg, Albert J., assignor to Granberg Equipment, Inc., Oakland, Calif. Automatic pump control. 2,475,703, July 12.
- Granberg Equipment, Inc., assignee: *See*—Granberg, Albert J.
- Granberg, Fred, Chicago, Ill. Sash lock. 2,480,016, Aug. 23.
- Grand Industries, Inc., assignee: *See*—Beevar, Joseph.
- Evans, Vincent J.
- Grand Specialties Company, assignee: *See*—Hopfield, Fred P.
- Sasgen, Anthony M.
- Grandinetti, Charles, Martins Ferry, Ohio. Golfer's grip band. 2,476,489, July 19.
- Grandjean, Philippe, assignor to Sandoz Limited, Basel, Switzerland. Diazo dyestuffs and their manufacture. 2,458,776, Jan. 11.
- Grandjean, Pierre: *See*—Lalanne, Edmond, and Grandjean.
- Grand Rapids Hardware Company, assignee: *See*—Viehweger, August.
- Grand Rapids Store Equipment Company, assignee: *See*—Clause, Earl L., and Vanderveld.
- Vanderveld, Anthony.
- Grandstaff, Otho D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Tone unit. 2,482,478, Sept. 20.
- Granfield, John C., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,465,798, Mar. 29.
- Granfield, John C., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,467,824, Apr. 19.
- Granggaard, Donald H., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Preparing phenolic material from a lignin substance. 2,488,186, Nov. 15.
- Grange, Howard L., assignor to General Motors Corporation, Detroit, Mich. Heat treating a cast aluminum-bronze alloy. 2,489,529, Nov. 29.
- Grange, Paul: *See*—Blake, Robert E., Grange, and Thomas.
- Granger, Elmer E., Reno, Nev. Terminal plug. 2,490,429, Dec. 6.

- Granger, Elmer E., Reno, Nev. Adapter. 2,492,475, Dec. 27.
- Grangette, Louis, Casablanca, Morocco. Automatic control of electric arc furnaces. 2,480,463, Aug. 30.
- Granholm, Herbert B.: *See*—
Zelner, Carl N., and Granholm.
- Grant, Alan S.: *See*—
Smyth, Charles N., and Grant.
- Grant, Alfred L., assignee: *See*—
Girard, Louis B.
- Grant, Carl E., West Orange, N. J., assignor to Bendix Aviation Corporation, New York, N. Y. Magneto. 2,492,853, Dec. 27.
- Grant, Charles R. A., London, England. Pressure gauge. 2,483,635, Oct. 4.
- Grant, Charles T., assignor to American Optical Company, Southbridge, Mass. Work support for lens drilling machines. 2,471,871, May 31.
- Grant, David, Los Angeles, Calif., and N. Bashark, Dayton, Ohio. Infinite stage pump. 2,472,104, June 7.
- Grant, Duncan G., assignee: *See*—
Hearn, Fred A., Jr.
- Grant, Eugene F.: *See*—
Vaughan, Sam G., Grant, Altar, and Dodd.
- Grant, Frank L., Jr., Terrace Park, Ohio. Clothesline. 2,484,941, Oct. 18.
- Grant, Garnet P., Jr.: *See*—
Pask, Stanley J., and Grant.
- Grant, Gordon A., Montreal, Quebec, Canada, assignor, by mesne assignments, to Ayerst, McKenna & Harrison Limited, New York, N. Y. Penicillin preparation. 2,479,832, Aug. 23.
- Grant, Harold R., Detroit, Mich., assignor to G. M. and E. Holley. Ignition distributor. 2,465,529, Mar. 29.
- Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Apparatus for visual detection of illuminated suspended matter in fluids. 2,485,588, Oct. 25.
- Grant, Harry C., Jr., Ridgewood, assignor to Specialties Development Corporation, Bloomfield, N. J. Dust collecting and optical measuring device. 2,489,286, Nov. 29.
- Grant, Harry C., Jr., New York, N. Y., and A. E. Reichard, North Arlington, assignors to Specialties Development Corporation, Bloomfield, N. J. Device for controlling the release of high-pressure fluid mediums. 2,471,425, May 31.
- Grant, Horace C., assignor to Egan Cotton Mills, Inc., Atlanta, Ga. Stop mechanism for knitting machines. 2,491,970, Dec. 20.
- Grant, John A., Granville, Ohio, assignor to Owens-Corning Fiberglass Corporation. Battery separator. 2,484,787, Oct. 11.
- Grant, John A., Granville, and D. E. Babcock, Columbus, Ohio, assignors to Owens-Corning Fiberglass Corporation. Reinforced plastics of increased strength. 2,477,407, July 26.
- Grant, Max L., assignee: *See*—
Wilcox, Granville M.
- Grant Oil Tool Company, assignee: *See*—
Graham, Eugene, Jr.
- Grant Photo Products, Inc., assignee: *See*—
Pask, Stanley J., and Grant.
- Grant, Richard H., Brooklyn, N. Y. Time cycling device. 2,471,426, May 31.
- Grant, Robert, assignor of one-half to J. W. Turner, Los Angeles, Calif. Brake-testing machine. 2,463,377, Mar. 1.
- Grant, William F., Miami, Fla. Screw cap opener. 2,473,425, June 14.
- Grant, William M., St. Louis, Mo. Wheeled carrier. 2,482,848, Sept. 27.
- Grantomic, John J., Mingo Junction, Ohio. Paste dispenser for collapsible tubes. 2,463,764, Mar. 8.
- Grape Belt Preserve Company, assignee: *See*—
Meschter, Eldon E., and Seiter.
- Graphol Products Co., Inc., assignee: *See*—
Burton, James A.
- Grappe, Marcellin L., Fairlawn, N. J. Punch machine. 2,458,160, Jan. 4.
- Grasheim, Irvin L., Camden, N. J., assignor to Radio Corporation of America. Radio frequency bypass capacitor. 2,492,742, Dec. 27.
- Grasser, Walter H., Wichita, Kans. Portable power-operated rotary taper cutting device. 2,491,106, Dec. 13.
- Grassfield, Norman A., assignee: *See*—
Roessner, William L.
- Grassi, Salvatore, and E. Filippi, San Francisco, Calif. Dislodging concrete practice bombs from mold bases. 2,463,965, Mar. 8.
- Grasso, Vito C., Bloomfield, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Collapsible shelf. 2,483,899, Oct. 4.
- Gratcyk, Francis C.: *See*—
Spencer, Percy L., and Gratcyk.
- Gratkowski, Alexander P., Scranton, Pa. Sash holder. 2,469,464, May 10.
- Graton & Knight Company, assignee: *See*—
Chouinard, Albert E.
Lesesne, Sherman D.
Stearns, Willard A.
- Grau, Carl L., Streator, Ill. Actuating and control unit. 2,464,389, Mar. 15.
- Graue, Lyle H., Paton, Iowa. Adapter coupling. 2,466,097, Apr. 5.
- Graumann, Raymond L., Alexandria, Va. Sensitive fuse. 2,472,821, June 14.
- Grave, Thomas T., trustee: *See*—
Lehman, Lincoln D.
- Graver, Philip S., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Gas reservoir. 2,471,270, May 24.
- Graver Tank & Mfg. Co., assignee: *See*—
Prager, Frank D., and Welter.
- Graver Tank & Mfg. Co., Inc., assignee: *See*—
Bieker, Lawrence W., and Lewis.
Brothman, Abraham.
Copp, Earle M.
- Graver, Philip S.
- Graver, Willard H.: *See*—
Pabst, Charles H., and Graver.
- Graves, Elbert M.: *See*—
Graves, Leonard M. and E. M.
- Graves, Frank R., Rochester, N. Y. Football game. 2,479,160, Aug. 16.
- Graves, Herbert C., Jr.: *See*—
Jensen, Otto, and Graves.
- Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Selective trip mechanism for circuit breaker. 2,486,594, Nov. 1.
- Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Dual time delay for circuit breaker trip mechanism. 2,486,595, Nov. 1.
- Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Time delay for selective tripping. 2,486,596, Nov. 1.
- Graves, Herbert C., Jr., West Chester, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Shock-proof tripping armature. 2,491,657, Dec. 20.
- Graves, Jay, Berkeley, assignor to Speedmaster, Limited, Oakland, Calif. Wheel balancing apparatus. 2,478,477, Aug. 9.
- Graves, Leonard M. and E. M., Knoxville, Tenn. Window display conveyer apparatus. 2,490,903, Dec. 13.
- Graves, Lyman W., Bijou Hills, S. Dak. Battery case. 2,465,644, Mar. 29.
- Graves, Mark, Cleveland Heights, assignor to The Cleveland Tapping Machine Company, Cleveland, Ohio. Reversible transmission. 2,463,265, Mar. 1.
- Graves, Michael: *See*—
Lankovski, Anatoly, and Graves.
- Graves, Michael, and A. Lankovski, Los Angeles, Calif., assignors to Matthew B. Butler, Chicago, Ill. Shovel attachment for self-loading trucks. 2,474,418, June 28.
- Graves, Orman L., Santa Clara, and R. Bishop, Palo Alto, Calif. Dew-point indicator. 2,459,810, Jan. 25.
- Graves, Sherburne R., Plymouth, N. H. Safety sleeper for babies. 2,481,741, Sept. 13.
- Graves, Walter, Ann Arbor, Mich. assignor by mesne assignments, to Federal Products Corporation, Providence, R. I. Leakage testing gauge. 2,467,552, Apr. 19.
- Gravesen, Carl C., Copenhagen, Denmark. Coating or encasing substantially cylindrical objects by a pressure molding process. 2,465,799, Mar. 29.
- Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electro-mechanical transducer device. 2,477,596, Aug. 2.
- Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electro-transducer and making same. 2,479,926, Aug. 23.
- Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezo-electric transducer and producing same. 2,486,150, Oct. 25.
- Graw, Harry J., assignee: *See*—
Lorenz, Henry T.
- Gray, Allen A., and A. Brookhart, Muscatine, Iowa. Blank cutting machine. 2,467,666, Apr. 19.
- Gray, Allen G., Rocky River, Ohio, and W. F. Gresham and D. J. Loder, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition composition and process. 2,461,507, Feb. 15.
- Gray, Alvin N., Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for vulcanizing articles. 2,461,600, Feb. 15.
- Gray, Alvin N., Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Improving the adherence of insulating compounds to metals and products resulting therefrom. 2,484,705, Oct. 11.
- Gray Company, G. A., The, assignee: *See*—
Walter, John M.
- Gray, Daniel, Sherrill, assignor to Onelda Ltd., Onelda, N. Y. Buffing compositions. 2,482,667, Sept. 20.
- Gray, Edward J., New York, N. Y. Razor blade stropper. 2,470,436, May 17.
- Gray, Floyd E., Dayton, Ohio. Gyroscope. 2,483,826, Oct. 4.
- Gray, Frank, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Selenium rectifier and photocell. 2,485,589, Oct. 25.
- Gray, George F.: *See*—
Pratt, Verneur E., and Gray.
Pratt, Verneur E., Gray, and Reed.

- Gray, Harold F., Jr.: *See*—
Adelson, David E., and Gray.
Adelson, David E., and Gray, Jr.
- Gray, Howard E., Toronto, Ontario, Canada. Magnetic puck projector. 2,492,423, Dec. 27.
- Gray, John D., Evanston, Ill. Portable oil changer. 2,477,450, July 26.
- Gray, Kenneth R.: *See*—
Schlosser, Paul H., and Gray.
Schlosser, Paul H., Mitchell, and Gray.
- Gray Manufacturing Company, The, assignee: *See*—
White, George H.
- Gray Marine Motor Company, assignee: *See*—
Fernstrum, Robert W.
- Gray, Norman A., assignor to Schick Incorporated, Stamford, Conn. Electric cord reel. 2,460,082, Jan. 25.
- Gray, Oscar, and H. Lewis, Bloomington, Ind. Flashlight switch. 2,471,032, May 24.
- Gray, Ralph B., Chicago, Ill. Windshield wiper mechanism. 2,458,260, Jan. 4.
- Gray, Robert B., assignor to Erie Resistor Corporation, Erie, Pa. Transducer and making the same. 2,486,560, Nov. 1.
- Gray, Robert E., Minetto, N. Y. Cigarette lighter. 2,467,473, Apr. 19.
- Gray, Robin, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Co. Plate support for electric accumulators. 2,470,163, May 17.
- Gray, Samuel D., assignee: *See*—
Long, James I.
- Gray Tool Company, assignee: *See*—
Lemley, John, Hill, and Mueller.
- Gray, William L., Wichita, Kans. Aircraft structural limit indicator. 2,461,210, Feb. 8.
- Graybill, Hershey R.: *See*—
Lehn, John U., and Graybill.
Moen, Richard H., and Graybill.
- Graybill, Kenneth W., Elmhurst, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Alternating current relay. 2,479,231, Aug. 16.
- Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Code call mechanism. 2,463,688, Mar. 8.
- Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar switch having a plurality of selecting magnets with a common control and a common release magnet. 2,479,678, Aug. 23.
- Graycarek, Benjamin J., assignor of one-half to G. W. Noll, Manitowoc, Wis. Electric heater. 2,482,268, Sept. 20.
- Graydon, John A., Hawthorne, N. J. Bow for a stringed musical instrument. 2,466,168, Apr. 5.
- Grayson, Harry, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Beat frequency oscillator. 2,476,975, July 26.
- Grazier, Don C., Dixon, Mont. Trolley suspended playground device. 2,469,069, May 3.
- Great Atlantic & Pacific Tea Company, assignee: *See*—
Tully, John P.
- Great Lakes Carbon Corporation, assignee: *See*—
Bollaert, Armand R., and Halvorsen.
Frankenhoff, Charles A.
Hickey, John H.
- Great Lakes Pipe Line Company, assignee: *See*—
Keane, Charles C.
- Great Lakes Spring Corporation, assignee: *See*—
Heuer, Lawrence H.
- Great Lakes Steel Corporation, assignee: *See*—
Vetter, Phillip C.
- Great Southern Box Company, Inc., assignee: *See*—
Barter, Bert H.
- Great Western Sugar Company, The, assignee: *See*—
Roach, David J., Clark, and Rienks.
- Greaves, Charles D.: *See*—
Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.
- Greaves, Charles D., and W. D. C. Walker, assignors to C. D. Patents Limited, London, England. Joining carbon bodies. 2,488,624, Nov. 22.
- Greaves, Leopold, Kirkfield Park, Manitoba, Canada. Root crop digger. 2,464,305, Mar. 15.
- Greaves, Ronald I. N., Cambridge, assignor to W. Edwards and Company (London) Limited, London, England. Storage of readily damaged material. 2,477,926, Aug. 2.
- Grebe, John J., Midland, Mich. Thermal responsive Venetian blind. 2,489,879, Nov. 29.
- Grebe, John J., Oak Ridge, Tenn., assignor to The Dow Chemical Company. Potential gradient anode for galvanic protection. 2,478,478, Aug. 9.
- Grebe, John J., Oak Ridge, Tenn., and H. A. Robinson, assignors to The Dow Chemical Company, Midland, Mich. Cored magnesium anode in galvanic protection. 2,478,479, Aug. 9.
- Grebmeier, Joseph, Menlo Park, Calif. Valve. 2,466,098, Apr. 5.
- Greco, Frank C., Lorain, Ohio. Contact plug for electric cords. 2,476,365, July 19.
- Gredell, Marcellus W., Detroit, Mich. Two-speed automatic power transmission. 2,463,100, Mar. 1.
- Greeley, Philip H., Washington, D. C. Radio-frequency testing device. 2,471,033, May 24.
- Green, Albert A., Coral Gables, Fla. Pitch control mechanism for helicopters. 2,491,260, Dec. 13.
- Green, Albert, and S. Rasmussen, New York, N. Y. Applicator for permanent waving lotions and other liquids. 2,463,611, Mar. 8.
- Green, Arthur D., Cranford, N. J., assignor to Standard Oil Development Company. Process for the production and recovery of olefinic elastomers. 2,463,866, Mar. 8.
- Green, Bella, New York, N. Y. Safety bracket for window shade rollers. 2,487,648, Nov. 8.
- Green, Beulah M., San Francisco, Calif. Plant label mount. 2,461,054, Feb. 8.
- Green, Charles B., West Orange, and E. L. Rutison, Scotch Plains, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistor having distortion protected connecting means. 2,489,409, Nov. 29.
- Green, Clarence J., assignor to Norton Company, Worcester, Mass. Camshaft grinding machine. 2,460,744, Feb. 1.
- Green, Donald C., Russell, Ohio. Check valve. 2,481,482, Sept. 13.
- Green, Donald W., assignee, trustess: *See*—
McGill, Daniel F.
- Green, Douglas H., London, England. Construction of structural members. 2,462,385, Feb. 22.
- Green, Douglas H., London, England. Manufacture of zig zag metal elements. 2,485,282, Oct. 18.
- Green, Duane L., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing shaped objects. 2,478,265, Aug. 9.
- Green, Edward, West Moorestown, N. J., assignor to Moss Rose Manufacturing Company, Philadelphia, Pa. Cop retainer for loom shuttles. 2,484,380, Oct. 11.
- Green, Edward K., assignee: *See*—
Wilson, Emory L.
- Green, Edwin D., Hutchinson, Kans. Armature winding machine. 2,468,365, Apr. 26.
- Green, Edwin F., Ashland, Ky. Portable mold for concrete blocks. 2,473,748, June 21.
- Green, Emmet M., Los Angeles, Calif. Fastening device. 2,487,330, Nov. 8.
- Green, Ernest: *See*—
Cooper, Victor J., and Green.
- Green, Estill I., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control system. 2,465,531, Mar. 29.
- Green, Floyd S.: *See*—
Schmelig, Nicholas J., and Green.
- Green, Frank M., Andover, Ohio. Tray holder. 2,488,010, Nov. 15.
- Green, Frank T., Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Bolt operating mechanism for repeating shotguns. 2,480,017, Aug. 23.
- Green, Frederick E., Spokane, Wash. Game board and apparatus. 2,470,302, May 17.
- Green, Frederick H., assignor to The Garrett Corporation, Los Angeles, Calif. Cooling system for compartments using expansion engine means. 2,485,590, Oct. 25.
- Green, Glenn, Lakeville, Ohio, assignor to Syntro Company, Homer City, Pa. Deflocculating bacteria. 2,472,419, June 7.
- Green, Glenn M.: *See*—
Ljunggren, Thor H., and Green.
- Green, Harvey C., and G. E. Bennett, Kansas City, Kans., said Green assignor to said Bennett. Load-advancing mechanism for truck bodies. 2,465,222, Mar. 22.
- Green, James H.: *See*—
Freeman, George A., and Green.
- Green, Joseph, New York, N. Y. Musical toy. 2,487,021, Nov. 1.
- Green, Lee B., Lakewood, Ohio. Broaching apparatus and method. 2,461,320, Feb. 8.
- Green, Lee B., Lakewood, Ohio. Refrigerating apparatus. 2,467,427, Apr. 19.
- Green, Lee B., Lakewood, Ohio. Expansible die punch for bending flanged work with tangent bending apparatus. 2,476,595, July 19.
- Green, Lee B., Lakewood, Ohio. Bending and anvil die for tangent bending apparatus. 2,476,596, July 19.
- Green, Lee B., Lakewood, Ohio. Tangent bending apparatus with work holding dies. 2,482,617, Sept. 20.
- Green, Louis W.: *See*—
Christiansen, Walter G., and Green.
- Green, Martin, assignor of one-half to C. Handler, Newark, N. J. Cloth lifter for cloth cutting machines. 2,462,317, Feb. 22.
- Green, Martin, Newark, N. J. Educational device. 2,471,271, May 24.
- Green, Marvin C., Dayton, Ohio. Propeller blade attachment. 2,457,815, Jan. 4.
- Green, Norval H.: *See*—
Warren, William H., and Green.
- Green, Ralph E.: *See*—
Mauric, Gerhard, and Green, and Rosin.
- Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire strand machine. 2,464,860, Mar. 22.
- Green, Samuel G., Alexandria, Va., W. H. D'Ardenne, Jenkintown Manor, W. J. Meinel, Huntingdon Valley, and W. Devore, Horsham Township, Montgomery County, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Gun mount having multiposition control means. 2,475,089, July 5.

- Green, Samuel G., Alexandria, Va., W. H. D'Ardenne, Jenkintown Manor, W. J. Meinel, Huntingdon Valley, and W. Devore, Horsham Township, Montgomery County, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Gun recoil mechanism. 2,475,090, July 5.
- Green, Samuel G., Alexandria, Va., W. H. D'Ardenne, Jenkintown Manor, W. J. Meinel, Huntingdon Valley, and W. Devore, Horsham Township, Montgomery County, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Gun mount. 2,491,005, Dec. 13.
- Green, Samuel S., and D. Keene, Los Angeles, Calif. Carbonating apparatus. 2,460,004, Jan. 25.
- Green, Stanley S., assignor to Duncan Electric Manufacturing Company, Lafayette, Ind. Damping unit for watt-hour meters. 2,463,867, Mar. 8.
- Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Instrument and bearing therefor. 2,471,618, May 31.
- Green, Theodore E., G. M. Dieter, and W. S. Piercey, Spokane, Wash.; said Green and said Dieter assignors to said Piercey. Door latch. 2,464,178, Mar. 8.
- Green, Thomas D., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Article illuminating inspection device for amber glass insulators and other hollow dense walled articles of low transparency. 2,468,663, Apr. 26.
- Green, Thomas D., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Cooling the internal surface of a bottle, jar, or other hollow glass article. 2,470,245, May 17.
- Green, Thomas D., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for handling and tempering glassware. 2,492,216, Dec. 27.
- Green, Vernon L.: *See*—
Nystrom, Karl F., and Green.
- Green, W., Electric Company, Inc., assignee: *See*—
Reinken, Louis W.
- Green, Walter H., Batavia, assignor to Inflico Incorporated, Chicago, Ill. Liquid treatment. 2,468,597, Apr. 26.
- Green, Walter H., Geneva Township, Kane County, Ill., G. A. McBride, Grosse Pointe, Mich., and G. A. Hertzog, Los Angeles, Calif., assignors to Inflico Incorporated, Chicago, Ill. Process and apparatus for inflicting chemical reactions. 2,458,261, Jan. 4.
- Green, William E., Los Angeles, Calif. Food container. 2,472,582, June 7.
- Green, William G., Tulsa, Okla. Steam iron. 2,483,579, Oct. 4.
- Green, William G., Jenks, and H. E. Galloway, said Galloway assignor to Engineering Laboratories, Inc., Tulsa, Okla. Steaming and pressing iron. 2,483,580, Oct. 4.
- Greenawalt, John E., Bronxville, N. Y., assignor to General American Transportation Corporation, Chicago, Ill. Dewatering process. 2,481,110, Sept. 6.
- Greenbaum, Maurice, Detroit, assignor of one-half to W. L. Zopf, Ferndale, Mich. Bituminous pipe seal. 2,484,407, Oct. 11.
- Greenberg, Aaron B., Chicago, Ill. Rack for drums. 2,480,018, Aug. 23.
- Greenberg, Alvin A., Baltimore, Md. Compartmented container having a rupturable partition. 2,487,236, Nov. 8.
- Greenberg, Charles B., assignor to Algren Watch Findings Company, Inc., New York, N. Y. Wrist watch band. 2,467,204, Apr. 12.
- Greenberg, Charles B., New York, N. Y. Waterproof watch crown. 2,479,348, Aug. 16.
- Greenberg, Charles B., assignor to Algren Watch Findings Co., Inc., New York, N. Y. Waterproof watch crown. 2,482,583, Sept. 20.
- Greenberg, Elebert E.: *See*—
Todd, Willia L., and Greenberg.
- Greenberg, George, Brooklyn, N. Y. Impaling pin target. 2,488,059, Nov. 15.
- Greenberg, George, New York, N. Y. Toy fireboat. 2,492,215, Dec. 27.
- Greenberger, Harry J., Morristown, N. J. Bust construction for garments. 2,465,800, Mar. 29.
- Greene, Charles, assignee: *See*—
Sciancalepore, Vito.
- Greene, Chester W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Twin gun mount. 2,464,926, Mar. 22.
- Greene, Chester W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Power-operated flexible machine gun mount. 2,487,237, Nov. 8.
- Greene, David, assignor to Esenco Auto Products Corporation, Brooklyn, N. Y. Hammer. 2,464,306, Mar. 15.
- Greene, Ernest W., and J. B. Duke, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of phosphate minerals from their ores. 2,461,817, Feb. 15.
- Greene, Frank C., Oakland, Calif., assignor to In Situ Gases Incorporated, Reno, Nev. Generation of synthetic gas. 2,466,945, Apr. 12.
- Greene, Gardiner G., Waban, assignor to Workshop Associates, Inc., Newton Highlands, Mass. Antenna. 2,486,597, Nov. 1.
- Greene, Howard B., Cheshire, Conn. Lighter. 2,472,822, June 14.
- Greene, Howard B., Cheshire, Conn. Propel-repel device. 2,487,538, Nov. 8.
- Greene, John W., R. M. Conrad, and F. A. Rohrman, Riley County, Kans., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Dehydrating process for starchy vegetables, fruits, and the like. 2,490,431, Dec. 6.
- Greene, Leonard, assignee: *See*—
Ruben, Louis, and Zeik.
- Greene, Leonard, Mineola, N. Y. Stall warning device for airplanes. 2,478,967, Aug. 16.
- Greene, Lz E., Muskegon, Mich. Cementitious refractory and making. 2,472,206, June 7.
- Greene, Oliver W., Jr., Wakefield, R. I., assignor to Greene Plastics, Inc. Multifrequency tuning system. 2,479,064, Aug. 16.
- Greene Plastics, Inc., assignee: *See*—
Greene, Oliver W., Jr.
- Greene, Richard B., Cheltenham Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of styrene by azeotropic distillation. 2,480,919, Sept. 6.
- Greene, Richard B., Melrose Park, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Azeotropic distillation of styrene from phenylacetylene. 2,467,198, Apr. 12.
- Greene, Robert H., Marion, Ind. Mount for web rolls. 2,490,685, Dec. 6.
- Greene, Samuel, assignor to Paragon Products Corporation, Newark, N. J. Bushing remover. 2,487,331, Nov. 8.
- Greene, Wallace, New York, N. Y. Frame mounted axially collapsing type tire removing apparatus. 2,469,723, May 10.
- Greene, William A., Oxford, Mass. Drawbar construction for tractors. 2,461,269, Feb. 8.
- Greenemeyer, John R.: *See*—
Stein, Joseph M., and Greenemeyer.
- Greengard, Harry: *See*—
Ivy, Andrew C., and Greengard.
- Greenhalgh, Alan H.: *See*—
Cooke, Ernest A., and Greenhalgh.
- Greenhill, Charles W., Brooklyn, N. Y. Bed board. 2,490,867, Dec. 13.
- Greenhow, Sydney, Windsor, Ontario, Canada. Automatic key case. 2,458,938, Jan. 11.
- Greening, Arnold, assignee: *See*—
Sayers, John L.
- Greenland, Leonard S., Weston-Super-Mare, assignor to H. M. Hobson, Limited, London, England. Pressure sensitive capsules and mixture control device embodying the same. 2,466,415, Apr. 5.
- Greenleaf, Carroll V., assignor of one-half to J. I. Greenleaf, Edmonds, Wash. Animated decoy duck. 2,460,128, Jan. 25.
- Greenleaf, James I., assignee: *See*—
Greenleaf, Carroll V.
- Greenleaf, Leland B., assignor to C. G. Conn, Ltd., Elkhart, Ind. Magnetic recording apparatus. 2,483,729, Oct. 4.
- Greenlee Bros. & Co., assignee: *See*—
Mansfield, Judson H.
- Greenlee, Elmer A., assignor to Barber-Colman Company, Rockford, Ill. Heating and ventilating system. 2,474,048, June 21.
- Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,481,212, Sept. 6.
- Greenlie, David G.: *See*—
Habib, Emile E., and Greenlie.
- Greenmore, Wilmer L., Jr.: *See*—
Borelli, Vito L., and Greenmore.
- Greenmount Manufacturing Company, assignee: *See*—
Goodman, Ben.
- Greenmun, Leo S., Johnson City, N. Y. Window mounting. 2,479,833, Aug. 23.
- Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Correction device for electronic function generators. 2,458,700, Jan. 11.
- Greenough, Maurice L., Groveland, Mass., assignor, to Radio Corporation of America. Shaded pole motor control. 2,458,701, Jan. 11.
- Greenough, Maurice L., Princeton, N. J., assignor to Radio Corporation of America. Computer. 2,470,303, May 17.
- Greensboro Textile Supply Company, assignee: *See*—
Pons, John A.
- Greensfelder, Bernard S.: *See*—
Moore, Robert J., and Greensfelder.
- Voge, Hervey H., Greensfelder, and Peery.
- Greensfelder, Bernard S., Oakland, and R. J. Moore, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of improved Diesel engine fuels by the catalytic isomerization of high boiling paraffins. 2,468,746, May 3.
- Greensfelder, Bernard S., Oakland, and R. J. Moore, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of benzothiophenes. 2,478,914, Aug. 16.
- Greenshields, Bruce D., New York, N. Y. Mixing bituminous materials with fillers. 2,459,520, Jan. 18.
- Greenslade, John T., Victoria, British Columbia, Canada. Sack and bag seal and fastener. 2,465,646, Mar. 29.

- Greenspan, Frank P., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Preparing aliphatic peracids and substitution products thereof. 2,490,800, Dec. 13.
- Greenspan, Joseph : *See*—
Weisberg, Samuel M., and Greenspan.
- Greenspan, Joshua : *See*—
Nichols, Charles W., and Greenspan.
- Greenstein, Henry, assignee : *See*—
Allen, Henry G.
- Greenstein, Hyman, Brooklyn, N. Y. Knitting finger ring. 2,472,702, June 7.
- Greenstein, Jesse L., and L. G. Henyey, Williams Bay, Wis., assignors to the United States of America as represented by the Secretary of the Navy. Four component lens system for correcting curvature of fields. 2,467,667, Apr. 19.
- Greenup, Harold W. : *See*—
Wohler, Leonard A., and Greenup.
- Greenwald, Fred A., Southgate, assignor to Arrowhead Rubber Company, Los Angeles, Calif. Duct. 2,468,493, Apr. 26.
- Greenway, Austin K., Port Coquitlam, British Columbia, Canada. Dirt loader. 2,467,029, Apr. 12.
- Greenwald, Lewis, Neptune, N. J. Line pulse modulator. 2,474,243, June 28.
- Greenwood, Edgar, assignor to Massachusetts Mohair Plush Company, Lowell, Mass. Apparatus and method for making curled yarn. 2,463,689, Mar. 8.
- Greenwood, Ernest J., Stratford, Conn., and R. C. Heffernan, St. Albans, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Arresting gear. 2,477,515, July 26.
- Greenwood, Ivan A., Jr., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Potentiometric circuit. 2,473,334, June 14.
- Greer, Daniel H., Pueblo, Colo. Constructing ornamental figures. 2,478,480, Aug. 9.
- Greer, Edward M. : *See*—
Mercier, Jean, and Greer.
- Greer, Edward M., West Hempstead, assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Hydraulic press and automatic operating system. 2,487,126, Nov. 8.
- Greer, Edward M., Hempstead Township, Nassau County, and J. Mercier, New York; said E. M. Greer, assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Power operated hatch cover. 2,491,261, Dec. 13.
- Greer, Edward R., Wayzata, Minn. Apparatus for removing snow and the like. 2,474,840, July 5.
- Greer, Edwin D., Jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Universal gripper head. 2,460,254, Jan. 25.
- Greer Hydraulics, Inc., assignee : *See*—
Greer, Edward M.
Greer, Edward M., and Mercier.
Mercier, Jean, and Greer.
- Greer, John J., Conimicut, R. I. Torque tool with yielding drive. 2,472,659, June 7.
- Greer, William J. : *See*—
Wellwood, Elizabeth, McBride, Greer, and Wellwood.
- Greffé, André, La Bathie, assignor to Societe D'Electro-Chimie, D'Electro-Metallurgie et Des Acieries Electriques D'Ugine, Paris, France. Deironing chromium and manganese ores. 2,458,469, Jan. 4.
- Greger, Herbert H., Washington, D. C. Preparation of aluminum phosphates. 2,460,344, Feb. 1.
- Greger, Herbert H., Washington, D. C. Bonded composition. 2,465,645, Mar. 29.
- Greger, Herbert H., Washington, D. C. Manufacturing chinaware. 2,490,049, Dec. 6.
- Gregg, Albert E. : *See*—
Nicodemus, Carroll N., and Gregg.
- Gregg, Jon, New Hope, Pa. Article, particularly soles, made of stripping. 2,466,944, Apr. 12.
- Gregg, Jon, assignor to L. D. Gregg, Newhope, Pa. Sole and making the same. 2,467,821, Apr. 19.
- Gregg, Jon, New Hope, Pa. Method and apparatus for making molded articles. 2,471,739, May 31.
- Gregg, Jon, New Hope, Pa. Making fabricated articles. 2,473,024, June 14.
- Gregg, Jon., New Hope, Pa. Baseball glove. 2,473,025, June 14.
- Gregg, Jon, New Hope, Pa. Premolding and loading apparatus. 2,483,004, Sept. 27.
- Gregg, Jon, New Hope, Pa. High-frequency heated mold for shoe soles. 2,487,866, Nov. 15.
- Gregg, Lester M., Newport, Wash. Post driver. 2,468,971, May 3.
- Gregg, Lynne D., assignee : *See*—
Gregg, Jon.
- Gregg, Tresham D., New York, N. Y. Fluid reaction propulsive device. 2,475,022, July 5.
- Gregoire, Resta S., Highland Park, assignor of twenty per cent to H. L. Cox and twenty per cent to J. J. Thornton, Jr., Detroit, Mich. Oil seal. 2,480,464, Aug. 30.
- Gregor, Fred, Brooklyn, assignor of one-half to N. Roth, Forest Hills, N. Y. Chocolate mixer. 2,483,275, Sept. 27.
- Gregorius, Robert C., Norfolk, Va. Automobile ventilating shield. 2,468,439, Apr. 26.
- Gregorson, Oscar A., assignee : *See*—
Dougherty, Daniel J.
- Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cooling baffle. 2,472,418, June 7.
- Gregory, Benjamin F., Kansas City, Mo., assignor, by mesne assignments of one-half to Martha Realty Company. Hydraulic transmission. 2,484,220, Oct. 11.
- Gregory, Clinton J., Hot Springs, S. Dak. Device for treating timber. 2,462,486, Feb. 22.
- Gregory, Eli E., Lewisport, Ky. Carrying device for fish-hooks. 2,481,586, Sept. 13.
- Gregory, Eli E., Lewisport, Ky. Fishing leader making device. 2,481,587, Sept. 13.
- Gregory, James N., La Habra, and L. W. Elder, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Installation for well control equipment. 2,482,616, Sept. 20.
- Gregory, James T., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plasticized resin compositions. 2,485,281, Oct. 18.
- Gregory, Roy B., Lafayette, Ind. Hair-waving apparatus. 2,490,124, Dec. 6.
- Gregory, Walter A., Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of alkoxy pyrazolones. 2,472,581, June 7.
- Gregory, William K., assignor to Continental Air Filters, Inc., Louisville, Ky. Air cleaner. 2,490,959, Dec. 13.
- Greider, Harold W. : *See*—
Smith, Marion F., and Greider.
- Greider, Harold W., Wyoming, and G. A. Fasold, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company. Composition roofing. 2,490,430, Dec. 6.
- Greider, Paul S., Aberdeen, Md. Rheostat for welding. 2,472,205, June 7.
- Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic recording. 2,459,521, Jan. 18.
- Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic recording. 2,461,892, Feb. 15.
- Greig, James W., assignor to Woodall Industries Incorporated, Detroit, Mich. Vehicle body floor structure. 2,485,047, Oct. 18.
- Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp and manufacture. 2,465,084, Mar. 22.
- Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp of double spiral convolution. 2,473,878, June 21.
- Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Glass tube bending apparatus. 2,476,658, July 19.
- Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Method and apparatus for coiling elongated vitreous stock. 2,491,857, Dec. 20.
- Greiner, Carl F., assignee : *See*—
Harrison, John F.
- Greiner, Carl F., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Kneading compaction lug for tamping rollers. 2,484,285, Oct. 11.
- Greiner, Emil, Company, The, assignee : *See*—
Gilmont, Roger.
- Greist Manufacturing Company, The, assignee : *See*—
Almquist, Nils T.
- Greitzer, Meyer, Los Angeles, Calif. Chair. 2,461,055, Feb. 8.
- Grene, George H. S., Watford, assignor of one-half to Wild-Barfield Electric Furnaces, Limited, Watford, Hertfordshire, England. Tilting salt bath furnace. 2,473,095, June 14.
- Greppin, Ernest H., assignor to Wilmot Castle Company, Rochester, N. Y. Mounting mechanism for dental lamps. 2,483,699, Oct. 4.
- Greppin, Ernest H., Brighton, assignor to Wilmot Castle Company, Rochester, N. Y. Adjustable lamp support. 2,490,125, Dec. 6.
- Gresham, Donald C., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Making apertured metal sheets. 2,469,689, May 10.
- Gresham, Donald C., and E. E. Loening, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Production of photographic stencils. 2,459,129, Jan. 11.
- Gresham, Thomas L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vinyl chloride polymers plasticized with dialkyl chlorophthalates. 2,460,574, Feb. 1.
- Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-isothioureac propionic acids. 2,474,838, July 5.
- Gresham, Thomas L., and J. E. Jansen, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Beta-dithiocarbamyl carboxylic acid compounds and their preparation. 2,474,839, July 5.
- Gresham, William F. : *See*—
Gray, Allen G., Gresham, and Loder.
- Gresham, William F., Alapocas, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of N-dimethylethanolamine. Re. 23,124, June 21.

- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N,N'-dimethylethanolamine. 2,462,736, Feb. 22.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric compounds from 1,3-dioxalane. 2,462,737, Feb. 22.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of organic oxygen-containing compounds. 2,462,738, Feb. 22.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of hydrogen fluoride-boron trifluoride catalysts. 2,462,739, Feb. 22.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,3-dioxolane polymers. 2,473,994, June 21.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 5-benzylhydantoin. 2,479,065, Aug. 16.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of monoalkyl esters of terephthalic acid. 2,479,066, Aug. 16.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of terephthalic acid. 2,479,067, Aug. 16.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of unsaturated ethers. 2,479,068, Aug. 16.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Guanamines. 2,491,658, Dec. 20.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethanolamine. 2,491,659, Dec. 20.
- Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of esters of terephthalic acid. 2,491,660, Dec. 20.
- Gresham, William F., and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing piperazine. 2,467,205, Apr. 12.
- Gresham, William F., and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aryl esters. 2,467,206, Apr. 12.
- Gresham, William F., and M. F. Gribbins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of long-chain esters of beta-thiodipropionic acid. 2,468,725, May 3.
- Gresham, William F., Wilmington, and J. V. E. Hardy, Bellevue, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of metal carbonyls. 2,473,993, June 21.
- Gresham, William F., Lindamere, R. E. Brooks, Edgemoor Terrace, and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of diethyl ketone. 2,473,995, June 21.
- Gresham, William F., and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Trioxepane and its polymers. 2,475,610, July 12.
- Gresham, William F., Wilmington, and C. E. Schweitzer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of methionine and precursors thereof. 2,485,236, Oct. 18.
- Gresham, William F., Wilmington, and G. E. Tabet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of aromatic aldehydes. 2,485,237, Oct. 18.
- Gretsch, Fred., Manufacturing Company, The, assignee: See—
Gretsch, William W.
Strong, Emerson.
- Gretsch, William W., Forest Hills, assignor to The Fred. Gretsch Manufacturing Company, Brooklyn, N. Y. Ocarina. 2,460,931, Feb. 8.
- Grettie, Donald P., and H. H. Young, assignors to Swift & Company, Chicago, Ill. Gelatin. 2,477,539, July 26.
- Greulich, Gerald G., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Open floor grating and making same. 2,469,070, May 3.
- Greve, Herman L., Hollis, N. Y. Folding box. 2,488,121, Nov. 15.
- Grewe, Dan C., Arlington, Wash. Attachment for tractors. 2,463,169, Mar. 1.
- Grewe, Edward A., Milwaukee, Wis. Blowgun. 2,469,642, May 10.
- Grewin, Fredrik W., Hallstavik, and S. G. Lindberg, Varmbol, Sweden, assignors, by mesne assignments, to Rosenblad Corporation, New York, N. Y. Removing scale. 2,490,750, Dec. 6.
- Grey, David S.: See—
Land, Edwin H., Fairbank, and Grey.
- Grey, Ralph E.: See—
Gavin, Edward M., Grey, Aspelin, and Tate.
- Greyson, Frederick R., assignor to Kaiser Company, Inc., Oakland, Calif. Rotary cooling bin. 2,480,726, Aug. 30.
- Greyson, Frederick R., assignor to Kaiser Company, Inc., Oakland, Calif. Cooling. 2,480,727, Aug. 30.
- Grib, Boris F., Brooklyn, assignor to Times Facsimile Corporation, New York, N. Y. Telefacsimile phasing arrangement for multiple reception. 2,490,126, Dec. 6.
- Gribbins, Myers F.: See—
Gresham, William F., and Gribbins.
- Gribbins, Myers F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Animal feed. 2,462,633, Feb. 22.
- Grice, George F., Jamaica, N. Y. Spring clamp for holding electric lamps. 2,458,371, Jan. 4.
- Grieg, Donald D.: See—
Deloraine, Edmond M., and Grieg.
Labin, Emile, Grieg, and Levine.
Reade, Ralph B., and Grieg.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio identifying system. 2,459,811, Jan. 25.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Interference eliminating system. 2,462,859, Mar. 1.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse translator. 2,462,860, Mar. 1.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Color television. 2,465,371, Mar. 29.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Blocking system for multichannel operation. 2,468,058, Apr. 26.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse time modulated multiplex system. 2,468,059, Apr. 26.
- Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Interference reducing amplitude modulation detector. 2,471,427, May 31.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Amplitude modulated time modulated pulse system. 2,474,244, June 28.
- Grieg, Donald D., Forest Hills, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Low impedance switch circuit. 2,480,130, Aug. 30.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse synthesizing system. 2,483,411, Oct. 4.
- Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse time division multiplex system. 2,485,591, Oct. 25.
- Grieg, Donald D., and A. M. Levine, Forest Hills, and L. Dubin, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Wide band probe. 2,483,410, Oct. 4.
- Grieg, Donald D., and A. M. Levine, Forest Hills, and S. Moskowitz, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Electrical pulse time modulation circuit. 2,490,501, Dec. 13.
- Grier, Nathaniel, Brooklyn, N. Y., and C. Casabore, Passaic, assignors to Dar-Syn Laboratories, Inc., Hawthorne, N. J. Making 8-hydroxyquinoline. 2,489,530, Nov. 29.
- Grierson, Joseph E., Winnipeg, Manitoba, assignor of one-half to R. E. Grierson, Red Lake, Ontario, Canada. Oar or paddle. 2,492,918, Dec. 27.
- Grierson, Roy E., assignee: See—
Grierson, Joseph E.
- Griese, Frank W., Fond Du Lac, Wis. Animal trap. 2,476,659, July 19.
- Griese, Franz, Buenos Aires, Argentina. Letter scale. 2,487,539, Nov. 8.
- Griesheimer, Rudolph N.: See—
Fenn, Willard H., Griesheimer, and Keuffel.
- Griesheimer, Rudolph N., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio-frequency power measuring bridge. 2,465,683, Mar. 29.
- Griesinger, John W., and L. V. Larson, Dayton, Ohio. Stabilized pickup hook for aircraft. 2,487,798, Nov. 15.
- Griesinger, William K., Drexel Hill, assignor to the Atlantic Refining Company, Philadelphia, Pa. Production of hydrocarbon resins. 2,468,822, May 3.
- Griess, Gerald A.: See—
Morris, Earl D., and Griess.
- Griess, Gerald A., and E. D. Morris, assignors to The Dow Chemical Company, Midland, Mich. Molding compositions. 2,485,592, Oct. 25.
- Griess, Gerald A., and A. S. Teot, assignors to The Dow Chemical Company, Midland, Mich. Interpolymers of drying oils, mono-alkenyl-aromatic hydrocarbons, and divinyl-benzene. 2,468,747, May 3.
- Griess, Gerald A., and A. S. Teot, assignors to The Dow Chemical Company, Midland, Mich. Drying oil-styrene interpolymers. 2,468,748, May 3.
- Griest, Edward M.: See—
Marisic, Milton M., and Griest.
- Griewank, Otto C., La Porte, Ind. Oil-burning heater. 2,480,728, Aug. 30.
- Griff, Robert D.: See—
Bozeman, Virgil F., Sr., Walz, Griff, and Clausen.
Walz, Claude W., and Griff, and Rasmussen.
- Griffin Chemical Company, assignee: See—
Evans, John M., Ruedrich, and Strom.
Ruedrich, Paul M.
- Griffin, Clyde C., Branford, Fla. Stack carrier. 2,471,152, May 24.
- Griffin, Dana A., North Plainfield, N. J. Electrical impedance testing bridge. 2,468,398, Apr. 26.
- Griffin, Edward L., Jr.: See—
Homiller, Richard P., and Griffin, Jr.

- Griffin, Everett M., Homewood, Ala. Electric current generating plant. 2,477,691, Aug. 2.
- Griffin, Francis J., Philadelphia, Pa. Drill jig. 2,466,023, Apr. 5.
- Griffin, George R.: *See*—
Redmon, Bryan C., and Griffin.
- Griffin, Harry M., Webster Groves, Mo., assignor to Curtis-Wright Corporation. Tool assembly. 2,462,386, Feb. 22.
- Griffin, Hartwell, Paxton, Mass. Bath brush. 2,471,210, May 24.
- Griffin, Kearney P.: *See*—
Lowe, Wesley G., and Griffin.
- Griffin, Lindsay I., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,468,494, Apr. 26.
- Griffin, Lindsay I., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Catalyst purification. 2,487,867, Nov. 15.
- Griffin, Linnie, assignor of one-half to Earl A. Fitzpatrick, Roanoke, Va. Shaft-pulling tool. 2,473,200, June 14.
- Griffin, Marcelle P.: *See*—
Griffin, Robert R. and M. P.
- Griffin, Ora B., Vashon, Wash. Child's development game. 2,466,805, Apr. 12.
- Griffin, Paul, Clinton, Ind. Device for handling mowers. 2,476,188, July 12.
- Griffin, Percy M., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Closure operator. 2,459,695, Jan. 18.
- Griffin, Percy M., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Differential engine. 2,467,305, Apr. 12.
- Griffin, Robert R. and M. P., Griffin, Ga. Egg holder. 2,464,307, Mar. 15.
- Griffin, Roger L., Marblehead, and N. Y. Moore, Danvers, assignors to A. C. Lawrence Leather Company, Peabody, Mass. Apparatus for pasting skins. 2,488,907, Nov. 22.
- Griffin, Wilber H., Houston, Tex., and T. M. Ragan, Downey, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well packer. 2,467,822, Apr. 19.
- Griffin, Wilfrid, Cleveland, Ohio, assignor to General Electric Company. Projection lamp and mounting therefor. 2,485,377, Oct. 18.
- Griffin, William C., Newport, assignor to Atlas Powder Company, Wilmington, Del. Lanolin product. 2,478,820, Aug. 9.
- Griffin's Associated Fisheries, Inc., assignee: *See*—
Berghammer, George A., Jr.
- Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Contrarotating axial flow high and low pressure turbine and compressor with bladed duct with turbine cooling. 2,477,798, Aug. 2.
- Griffith, Dinsmore L.: *See*—
Dahlgren, Dwight J. A., Hendrickson, and Griffith.
- Griffith, Dinsmore L., and M. J. Rankin, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Removing cobalt from electrolytes. 2,471,952, May 31.
- Griffith, Edward N., Little Hallingbury Park, and A. C. Howard, Upminster, England. Soil and like cutting and lifting machine. 2,467,619, Apr. 19.
- Griffith, Forrest L., Baltimore, Md., assignor to the United States of America as represented by the Secretary of War. Barrier structure for rollerways. 2,463,532, Mar. 8.
- Griffith, George, Ottawa, Ontario, Canada. Crankcase ventilator for motor vehicles. 2,462,634, Feb. 22.
- Griffith, Ivor, Elkins Park, Pa., and A. P. Huchberger, New York, N. Y., assignors to The Frank H. Lee Company, Danbury, Conn. Apparatus for forming felt. 2,462,487, Feb. 22.
- Griffith Laboratories, Inc., The, assignee: *See*—
Hall, Lloyd A.
Hall, Lloyd A., and Gershbein.
- Griffith, Le Roy A., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cushioned stop for rotary members. 2,488,122, Nov. 15.
- Griffith, Raymond C., Columbus, Ohio. Hydraulic motor of the wobble plate type. 2,478,481, Aug. 9.
- Griffiths, Albert E.: *See*—
Pabst, Arthur C., Griffiths, and Killingsworth.
- Griffiths, Leonard, and G. E. Fardon, Coventry, England, assignors to General Electric Company. Vehicle headlighting system. 2,465,085, Mar. 22.
- Griffiths, Ralph M., assignee: *See*—
Scharader, Albert J.
- Griffiths, Thomas W., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Welding apparatus. 2,459,812, Jan. 25.
- Griffitts, H. V., assignee, trustee: *See*—
Ruddock, William.
- Grifton, Gaston, Neuilly-sur-Seine, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, Seine, France. Pneumatic control accelerating pump. 2,458,990, Jan. 11.
- Grigalunas, Joseph G., assignor to The American Hardware Corporation, New Britain, Conn. Combined socket and spanner grip wrench for shoe calks. 2,461,639, Feb. 15.
- Griggs, William H., assignor to Eastman Kodak Company, Rochester, N. Y. Bichromate sensitized photographic material. 2,484,451, Oct. 11.
- Grignon, Lorin D., Los Angeles, and H. G. Wilkes, North Hollywood, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Variable inductance device. 2,463,170, Mar. 1.
- Grigorieff, Vladimir W., Fayetteville, Ark., assignor to General Electric Company. Electric bushing and glass therefor. 2,478,626, Aug. 9.
- Grigsby-Allison Company, Inc., assignee: *See*—
Allison, Kenneth C., and Herrick.
- Grigsby, Mac G., Gainesville, Fla. Underwater camera container with external camera control means. 2,487,868, Nov. 15.
- Grigsby, William E.: *See*—
Gresham, William F., Brooks, and Grigsby.
- Grilli, John P.: *See*—
Mohr, Albert Mohr, Jr., and Grilli.
- Grillo, Emily P., assignee: *See*—
Pontiere, Stanley M.
- Grime, Edward P., Los Angeles, Calif. Strainer for pump jacks. 2,457,888, Jan. 4.
- Grime, Edward P., Los Angeles, Calif. Lifting apparatus. 2,479,679, Aug. 23.
- Grimes, Edgar S., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Modulator. 2,462,093, Feb. 22.
- Grimes, George, Rock Island, Ill. Apparatus for reshaping metal articles. 2,478,915, Aug. 16.
- Grimes, George J., Kankakee, Ill., assignor to Frederic B. Stevens, Inc., Detroit, Mich. Tilting workpiece support, especially for use with processing equipment for containers. 2,482,269, Sept. 20.
- Grimes, Harlan E., Bromley, Ludlow Station, Ky., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay selector circuit arranged to simultaneously test a selected group of trunks. 2,458,262, Jan. 4.
- Grimes, Henry L., Winchester, Mass. Apparatus for detecting dilution or commingling of substances. 2,475,023, July 5.
- Grimes, Lawrence E., Bristol, Ind. Leather lace skiver. 2,472,528, June 7.
- Grimland Brothers, Manufacturers, assignee: *See*—
Grimland, Charles J.
- Grimland, Charles J., assignor to Grimland Brothers, Manufacturers, Waco, Tex. Making spurs. 2,479,741, Aug. 23.
- Grimm, Frederick, Berwyn, Md., assignor, by mesne assignments, to Levelor Corporation. Height adjusting device. 2,476,366, July 19.
- Grimm, Henry H., Dayton, Ohio. Variable permeability tuner. 2,457,816, Jan. 4.
- Grimm, Henry H., Dayton, Ohio. Device for measuring signal frequencies. 2,491,494, Dec. 20.
- Grimmisen, Herman O., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Atomization burner of the high-low type. 2,458,372, Jan. 4.
- Grimmisen, Herman O., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Rotary air atomizing burner. 2,480,019, Aug. 23.
- Grimmel, Harry W., and L. Richter, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Monoazo chromium complex. 2,459,813, Jan. 25.
- Grimmel, Harry W., and H. B. Freyer, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing N-alkylated compounds of condensed arylpyrrols. 2,460,745, Feb. 1.
- Grimmel, Harry W., Providence, R. I., and L. Richter, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Monoazo chromium complex. 2,487,540, Nov. 8.
- Grimsley, Charles O., Houston, Tex. Garbage can rack. 2,466,416, Apr. 5.
- Grimsley, Leopold C., assignor to H. Hyman, New York, N. Y. Explosion-proof reflector assembly for portable electric flashlights. 2,482,763, Sept. 27.
- Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Inactivated compounds of antianemia metals. 2,481,412, Sept. 6.
- Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Colloidal compounds containing metallic ions in inactive state. 2,481,413, Sept. 6.
- Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Stable fortified milk products and preparing same. 2,481,414, Sept. 6.
- Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Stable milk product containing added antianemia factor and making same. 2,481,415, Sept. 6.
- Grindstaff, Ray A., Spokane, Wash. Poultry feed hopper. 2,465,647, Mar. 29.
- Grinka, Lila, executrix: *See*—
Tiefenbacher, Thomas B.
- Grinnell Corporation, assignee: *See*—
Cranston, Robert A.
Loepsinger, Albert J.
Sherburne, Philip C.
- Grinwald, Mathias E., Hartland, Wis. Machine for harvesting and baling underwater plant life. 2,486,275, Oct. 25.

- Grip, Erik, *See*—
Carlstrom, Bengt. and Grip.
- Grip, Erik, assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machine. 2,483,459, Oct. 4.
- Grip, Erik, and S. Torell, assignors to Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machine. 2,488,011, Nov. 15.
- Grip Nut Company, assignee: *See*—
Kass, Lawrence W.
- Grisanti, Amedeo D., Mount Vernon, N. Y. Expansion belt for garments. 2,487,649, Nov. 8.
- Griscom-Russell Company, The, assignee: *See*—
Bruegger, Ernest.
- Griscom, Samuel B., and R. L. Witzke, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,459,640, Jan. 18.
- Griscombe Corporation, assignee: *See*—
Brownscombe, Philip J.
- Grismer, Joseph V., Silverton, Idaho. Shaft mucker. 2,492,217, Dec. 27.
- Grissinger, George G.: *See*—
Lindstrom, Ture, and Grissinger.
- Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Remote-control means for valves. 2,474,355, June 28.
- Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Control means for fluid pressure operated devices. 2,492,859, Dec. 27.
- Griswold, Hugh T., Burlingame, Calif., assignor to Owens-Illinois Glass Company. Sealed container and cap. 2,481,111, Sept. 6.
- Griswold, Thomas, Jr.: *See*—
Chisholm, Douglas S., and Griswold, Jr.
- Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Rug. 2,486,942, Nov. 1.
- Groat, Keith P., assignor to York Corporation, York, Pa. Two temperature refrigeration unit. 2,458,589, Jan. 11.
- Grob, Benjamin, Grafton, Wis. Electric fence post. 2,471,682, May 31.
- Grob & Co., Aktiengesellschaft, assignee: *See*—
Blickenstorfer, Albert.
- Groben, Robert, assignee, trustee: *See*—
Roggenstein, Edwin O.
- Grocoff, William, San Francisco, Calif. Butter cutter. 2,479,742, Aug. 23.
- Grodsky, Vladimir A., Washington, D. C. Copper base alloy. 2,466,700, Apr. 12.
- Groene, William F., H. J. Siekmann, and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft lathe. 2,470,804, May 17.
- Groene, William F., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Drive mechanism for automatic lathes. 2,474,104, June 21.
- Groenenberg, Maarten J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Indicating device comprising a rotatable scale, more particularly for radio sets. 2,485,196, Oct. 18.
- Grootchen, Richard, Chicago, Ill. Cooking oven with means to withdraw utensils therefrom. 2,471,566, May 31.
- Grogan, Tom, Cleveland, and T. Mayner, Willoughby, assignors, to Industrial Rayon Corporation, Cleveland, Ohio. Handling truck. 2,477,871, Aug. 2.
- Grögl, Max F., Barranquilla, Colombia. Dental drill. 2,473,583, June 21.
- Groh, Bernard C., Orange, N. J. Telephone system. 2,465,372, Mar. 29.
- Groh, Bernard C., Orange, N. J., assignor to The United States of America as represented by the Secretary of War. Telephone switchboard system. 2,468,749, May 3.
- Groh, Melvin S., Preston, Ontario, Canada. Refrigerating apparatus. 2,477,739, Aug. 2.
- Gronemeyer, Erich, Pompton Plains, assignor to Mack Molding Company, Incorporated, Wayne, N. J. Molding device. 2,487,925, Nov. 15.
- Gronnert, Paul F., assignee: *See*—
Ross, William A., and Gronnert.
- Gronningsaeter, Anton M., New York, N. Y., assignor to Falconbridge Nickel Mines, Limited, Toronto, Ontario, Canada. Production of malleable and annealable nickel. 2,478,189, Aug. 9.
- Gronquist, Einar B., Monmouth, Oreg. Vertical swingable elevated goal post. 2,480,572, Aug. 30.
- Groom, Percy G., Hamilton, Ontario, Canada. Spring. 2,469,596, May 10.
- Groom, Reginald W., Bromley, England. Blowdown valve. 2,466,946, Apr. 12.
- Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Switch for refrigerating apparatus. 2,459,522, Jan. 18.
- Groot, Cornelius: *See*—
Dunn, Clarence L., Souders, and Groot.
- Groppell, Eugene, New Orleans, La. Hatch cover. 2,484,286, Oct. 11.
- Grosboll, Lorin E., assignor to Mueller Co., Decatur, Ill. Relief valve. 2,486,644, Nov. 1.
- Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Computing circuits. 2,485,825, Oct. 25.
- Grose, Frederick J., Cricklewood, London, assignor to S. Smith & Sons (England) Limited, London, England. Control device for multiple linearly movable members. 2,461,378, Feb. 8.
- Grosjean, Harry W., and E. M. A. Sizer, Milwaukee, Wis. Heating unit. 2,469,963, May 10.
- Gross, A. Edward, assignee: *See*—
Wheeler, Henry F.
- Gross, Angell C., Corpus Christi, Tex. Fruit peeling and coring machine. 2,465,223, Mar. 22.
- Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fire control apparatus. 2,486,526, Nov. 1.
- Gross, Fritz A., Weston, and R. R. Darden, Jr., Newton Highlands, assignors, by mesne assignments, to Raytheon Air Beam, Inc., Newton, Mass. Electric motor control system. 2,486,151, Oct. 25.
- Gross, George W., Linden, N. J., assignor to Standard Oil Development Company. Hydrocarbon fractionating. 2,469,724, May 10.
- Gross, Henry R., Chicago, Ill. Flasher. 2,477,408, July 26.
- Gross, Irving: *See*—
Little, John R., Jr., and Gross.
- Gross, Marshall W., Attleboro, Mass. Safety catch for pin stems. 2,478,968, Aug. 16.
- Gross, Opal M., Denver, Colo. Culinary utensil. 2,462,956, Mar. 1.
- Gross, Philipp, assignor to International Alloys Limited, Slough, England. Production and refining of aluminum. 2,470,305, May 17.
- Gross, Philipp, Slough, assignor to International Alloys Limited, Aylesbury, England. Production and refining of metals. 2,470,306, May 17.
- Gross, Thomas A. O., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Transformer system. 2,475,611, July 12.
- Gross, Thomas A. O., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Oscillator. 2,486,021, Oct. 25.
- Gross, William F.: *See*—
Blair, Charles M., Jr., and Gross.
- Grosselfinger, Walter H., Manhasset, assignor to Western Electric Company, Incorporated, New York, N. Y. Radio transmitting system. 2,462,181, Feb. 22.
- Grossen, Walter, assignor to Fr. Sauter A. G. Fabrikelekt. Apparate, Basel, Switzerland. Hand-operated cam switch. 2,465,086, Mar. 22.
- Grosser, Christian E., Warwick, R. I., and W. M. Gilman, Wellesley Hills, Mass., assignors, by mesne assignments, to Cread Engineering and Research Company, Cranston, R. I. Variable-speed power transmission device. 2,467,739, Apr. 19.
- Grosser, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Vinyl ether-phosgene interpolymers and products and producing the same. 2,464,747, Mar. 15.
- Grosshart, Lloyd L., Boicourt, Kans. Posthole digger. 2,458,991, Jan. 11.
- Grossi, Carlo, Cleveland, Ohio, assignor to E. S. Coughanor. Animal trap. 2,484,452, Oct. 11.
- Grossman, Albert, London, England. Caster fixture. 2,468,399, Apr. 26.
- Grossman, Jack, Dayton, Ohio. Boresighting. 2,479,565, Aug. 23.
- Grossmann, Paul, Binningen, assignor to Ciba Limited, Basel, Switzerland. Dyestuff mixtures and making same. 2,485,197, Oct. 18.
- Grossmann, Paul, Binningen, Switzerland, assignor to Ciba Limited. Manufacture of anthraquinone derivatives. 2,492,743, Dec. 27.
- Grossmith, George W., assignor of one-half to Strachan & Henshaw, Limited, Bristol, England. Car and wagon tippler or dumper. 2,472,703, June 7.
- Grosvenor-Dale Company, Inc., assignee: *See*—
Bourque, Omer.
- Grosvenor, Woodward & Company Limited, assignee: *See*—
Perry, Frederick S., and Huskinson.
- Grosz, Francis B., Sr., New Orleans, La. System for preventing film fire in motion-picture projectors. 2,458,161, Jan. 4.
- Grote, Henry W., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon dehydrogenation process using hydrogen as a process gas and carbon dioxide as a stripping medium. 2,477,740, Aug. 2.
- Grote Manufacturing Company, The, assignee: *See*—
Ryder, Charles D.
- Grotelite Company, Inc., The, assignee: *See*—
Richardson, Henry M.
- Groten, Frank J., Montclair, and R. J. Reid, Fair Lawn, N. J., assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Elastomeric copolymer mixed with phenol-aldehyde resin. 2,459,739, Jan. 18.
- Group, Frank B., assignor to Ex-Cell-O Corporation, Detroit, Mich. Chuck. 2,477,124, July 26.
- Groupeement Francais pour le Developpement des Recherches Aeronautiques, assignee: *See*—
L'Hermite, Robert.
- Grouse, Richard A., and F. L. G. Bettridge, assignors, by mesne assignments, to A. H. Hunt Limited, London, England. Manufacture of electrical condensers. 2,463,765, Mar. 8.

- Grout, Martin B., Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Binding magnetic core structures. 2,460,639, Feb. 1.
- Grove, Donald J.: *See—*
Hipple, John A., Jr., and Grove.
- Grove, Marvin H., Piedmont, and A. U. Bryant, Berkeley, Calif., assignors to Fluid Control Engineering Co. Pressure regulator. 2,487,650, Nov. 8.
- Grove Regulator Company, assignee: *See—*
Annin, Douglas H.
- Grove, Roy W., Homestead, Pa. Toolholder. 2,475,784, July 12.
- Groven, Fredrick J., Highland Park, assignor to Ford Motor Company, Dearborn, Mich. Ventilated and shielded infrared oven. 2,472,293, June 7.
- Grover, J. J., Shoe Co., Inc., assignee: *See—*
Walker, David D.
- Grover, James B., New York, N. Y. Electrical safety interlocking system. 2,462,094, Feb. 22.
- Grover, John C., Jr., Kansas City, Mo., assignor to R. C. Brown, Jr., Highland Park, Ill. Spool for photographic developing tanks. 2,484,341, Oct. 11.
- Grover, Lyndon V., Los Angeles, Calif. Sander. 2,470,615, May 17.
- Grover, Norman J., Westwood, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. High-temperature fan. 2,464,681, Mar. 15.
- Grover, Wesley F., Detroit, Mich. Carrier for pneumatic dispatch systems. 2,491,729, Dec. 20.
- Groves, Martin V., Watertown, N. Y., assignor to The New York Air Brake Company. Multiple valve. 2,492,280, Dec. 27.
- Groves, Ronald C., assignor to General Motors Corporation, Detroit, Mich. Injection pump. 2,474,396, June 28.
- Groza, John, Detroit, Mich. Sinkers. 2,473,644, June 21.
- Grubb, Roderic: *See—*
Campbell, Shirley P., and Grubb.
- Grube, Kenneth R., Columbus, Ohio, assignor by mesne assignments, to Eastern Clay Products, Inc., Indiana, Pa. Conditioning foundry sand. 2,491,006, Dec. 13.
- Gruben, Eula V., Spur, Tex. Adjustable measuring cup. 2,479,007, Aug. 16.
- Gruben, James F., Roby, Tex. Polarizing antiglare shield. 2,475,704, July 12.
- Gruben, Simon: *See—*
Lindewald, Torsten W., and Gruben.
- Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Ball point pen. 2,460,345, Feb. 1.
- Gruber, Milan, Aliquippa, Pa. Rotary pump. 2,484,993, Oct. 18.
- Gruber, Paul R., Waterbury, Conn. Utility holder. 2,488,664, Nov. 22.
- Gruber, Ralph E., San Francisco, Calif., assignor to Yuba Manufacturing Company. Nugget saver for dredges. 2,489,635, Nov. 29.
- Grudda, August, Milwaukee, Wis. Log or post cabin structure. 2,463,612, Mar. 8.
- Gruen, Henry, New York, N. Y. Plumbing fixture. 2,460,005, Jan. 25.
- Gruen, Wolf J., New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wave-signal amplitude-limiting system. 2,485,731, Oct. 25.
- Gruenberg, Ivor J., Pleasant Ridge, and C. K. Davis, Detroit, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. One-way overrunning clutch. 2,477,176, July 26.
- Gruenberg, Ivor J., Pleasant Ridge, and R. H. Mustonen, Detroit, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. Automatic feed mechanism for grinding machines. 2,487,704, Nov. 8.
- Gruendler Crusher & Pulverizer Company, assignee: *See—*
Gruendler, William P.
- Gruendler, William P., Clayton, assignor to Gruendler Crusher & Pulverizer Company, St. Louis, Mo. Tiltable feed means for grinders. 2,491,661, Dec. 20.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Wide propeller blade manufacture. 2,457,889, Jan. 4.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Making airplane propellers. 2,463,101, Mar. 1.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Static balance testing apparatus. 2,463,102, Mar. 1.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Mechanical stoker drive. 2,463,103, Mar. 1.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Mandrel with means for clamping and spreading tubes. 2,471,485, May 31.
- Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Constructing propeller foil plates. 2,471,486, May 31.
- Gruettner, Gerhard G., assignor to New Hermes Engraving Machine Corp., New York, N. Y. Electrically operated engraving and copying machine. 2,481,657, Sept. 13.
- Gruettner, Gerhard G., assignor to New Hermes Engraving Machine Corp., New York, N. Y. Electromagnetic operating means for engraving and copying machines. 2,481,658, Sept. 13.
- Gruhn, Axel, Skaade Bakker near Højbjerg, Denmark, vested in the Attorney General of the United States. Machine for making artificial ice products. 2,467,933, Apr. 19.
- Grundon, John L., Des Moines, Iowa. Turntable unit for portable mechanical cranes. 2,481,416, Sept. 6.
- Grundy, James A., assignor to John Bromley & Sons, Inc., Philadelphia, Pa. Tenting machine. 2,482,270, Sept. 20.
- Grünwald, Friedrich, Manchester, and E. M. Dakin, Ashton-under-Lyne, assignors to Ferguson Pailin Limited, Manchester, England. Air blast circuit breaker. 2,481,996, Sept. 13.
- Grunfeld, Maximilien, and M. E. Batigne, Lyon, assignors to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. Preparing pimelic acid esters. 2,466,588, Apr. 5.
- Grunfeld, Maximilien, and E. C. Cottet, Lyons, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Plasticized cellulose derivative. 2,476,976, July 26.
- Grunschel, Carl A.: *See—*
Bohmer, Charles S., and Grunschel.
- Grupe, William F., Lyndhurst, N. J., assignor to Interchemical Corporation, New York, N. Y. Apparatus for tinning steel. 2,458,509, Jan. 11.
- Gruppen, James L., San Gabriel, Calif. Insulator for line wires. 2,469,384, May 10.
- Gruss, Lucien R., Middletown, Ohio. Airplane landing gear. 2,491,174, Dec. 13.
- Grüssner, André: *See—*
Schneider, Otto, Bourquin, and Grüssner.
- Grutzner, Fritz P., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Vehicle truck and body interlock. 2,482,168, Sept. 20.
- Gruver, John H., East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Plate handling mechanism for embossing machines. 2,463,690, Mar. 8.
- Gryce, Edwin C., Bemidji, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,487,438, Nov. 8.
- Gschwend, Paul, Manheim Township, Lancaster County, and J. M. Sharf, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Closure-feeding device. 2,481,508, Sept. 13.
- Guadagni, Dante G.: *See—*
Johnson, Gestur, and Guadagni.
- Guagliano, Pasquale, Mill Valley, Calif. Readily releasable liquid container and cap sealing means. 2,461,893, Feb. 15.
- Guajardo, Ciro, Wilkinsburg, Pa. Vibratory electrical motor. 2,492,860, Dec. 27.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. High-frequency matching transformer. 2,470,307, May 17.
- Guanella, Gustav, Zurich, assignor to "Patelhold" Patent-vertretungs- & Electro-Holding A. G., Glarus, Switzerland. Automatic frequency control circuits. 2,474,354, June 28.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Variable induction coil. 2,477,693, Aug. 2.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Direct reading radio direction finder. 2,479,489, Aug. 16.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Synchronizing alternating electric voltages. 2,481,659, Sept. 13.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Receiving system for phase-keyed pulse signals. 2,491,810, Dec. 20.
- Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Harmonic generator. 2,492,218, Dec. 27.
- Guardian Electric Manufacturing Co., assignee: *See—*
Nelsen, Marvin G.
Obszarny, Theodore.
Obszarny, Theodore, and Rowell.
- Guardite Corporation, assignee: *See—*
Heheman, Arnold H.
Merriam, Charles J.
Schaffner, Robert M.
- Guarino, Frank J., assignee: *See—*
Guarino, John R.
- Guarino, James S. and R. M., Chicago, Ill. Droppable figure target. 2,490,432, Dec. 6.
- Guarino, John R., assignor of one-fourth to Frank J. Guarino, one-fourth to Vincent T. Guarino, and one-fourth to Louis J. Guarino, Brooklyn, N. Y. Pneumatic blood treating apparatus. 2,474,665, June 28.
- Guarino, Louis J., assignee: *See—*
Guarino, John R.
- Guarino, Pasquale A., Cleveland, Ohio, and D. Williams, Washington, D. C. Antenna. 2,489,287, Nov. 29.
- Guarino, Rocco M.: *See—*
Guarino, James S. and R. M.
Guarino, Vincent T., assignee: *See—*
Guarino, John R.
- Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Flexible metal hose connection. 2,473,879, June 21.

- Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Coupling for flexible metal hose. 2,490,686, Dec. 6.
- Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Flexible connection. 2,490,687, Dec. 6.
- Guay, Philius, Everett, Mass. Work feed attachment for hand saws. 2,476,292, July 19.
- Guber, Frederick H., Jr.: *See—*
Scheerer, Ernest O., and Guber.
- Gubner, Richard, Brooklyn, N. Y. Salicylate and succinate therapeutic preparations. 2,471,394, May 24.
- Gubner, Richard S., Brooklyn, assignor to The Equitable Life Assurance Society of the United States, New York, N. Y. Acyl derivatives of diamindiphenylsulfone and preparation thereof. 2,482,169, Sept. 20.
- Gubrud, Adolph P., Hudson, S. Dak. Grade indicator. 2,470,029, May 10.
- Gudenrath, George L., assignor to Hudson Engineering Corporation, Houston, Tex. Separating hydrocarbons. 2,468,750, May 3.
- Gudgeon, H.: *See—*
Isaacs, E., and Gudgeon.
- Gudmundsen, Carl, Minneapolis, Minn. Marshmallow and wiener toaster. 2,487,651, Nov. 8.
- Gudmundsson, Erik, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Protecting relay for liquid-filled electrical apparatus. 2,470,553, May 17.
- Guelph, John D., Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y. Ejector mechanism for molding machines. 2,485,283, Oct. 18.
- Guelph, John D., Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y. Stripper. 2,485,284, Oct. 18.
- Guenther, Harvey O., Antigo, Wis. Coupling pipe. 2,473,283, June 14.
- Guercio, Joseph, Baltimore, Md. Shoe pressure machine. 2,464,130, Mar. 8.
- Guerdan, Dikran A., Wilkesburg, and J. E. Bluman, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor having coaxial counter-rotating shafts. 2,462,182, Feb. 22.
- Guerette, Joseph D., Brunswick, Maine. Spur shore. 2,470,396, May 17.
- Guernsey, Charles O., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Leaf spring for low interleaf friction. 2,476,367, July 19.
- Guernsey, Charles O., assignor to Marmon-Herrington Company, Incorporated, Indianapolis, Ind. Deflecting separator air scoop for ventilating closed vehicles. 2,476,368, July 19.
- Guerrant, Edmonds L., Fort Worth, Tex. Packing prefabricated doorframes. 2,489,029, Nov. 22.
- Guertin, Andrew G.: *See—*
Reganato, Joseph, and Guertin.
- Guest, Audrey L., assignee: *See—*
Guest, Maurice C.
- Guest, Calvin J., assignee: *See—*
Guest, Maurice C.
- Guest, George C., Winnipeg, Manitoba, Canada. Boat carrier for automobiles. 2,470,848, May 24.
- Guest, Howard R., South Charleston, and R. W. McNamee, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Purifying glyoxal. 2,463,030, Mar. 1.
- Guest, Manuel T., Los Angeles, Calif. Vise jaw faceplate. 2,485,876, Oct. 25.
- Guest, Maurice C., Loma Linda, Calif., assignor of one-third to A. L. and C. J. Guest, Pontiac, Mich. Dispensing carton. 2,480,729, Aug. 30.
- Guetzkow, Edward, assignor to Kearney & Trecker Corporation, West Allis, Wis. Lead gauge for screw threads. 2,476,189, July 12.
- Guetzkow, Edward, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling cutter. 2,492,797, Dec. 27.
- Guex, Waldemar: *See—*
Isler, Otto, Guex, and Treadwell.
- Guffey, Wayne W., and J. P. Mihelic, Gary, H. V. Piper, Crown Point, and T. Engstrom, Gary, Ind. Cover lifter. 2,462,387, Feb. 22.
- Guggenheim, Daniel and Florence, Foundation, The, assignee: *See—*
Goddard, Robert H.
- Guggenheim, Max M., assignor to National Equipment Corporation, New York, N. Y. Tilting device for cooker kettles. 2,463,171, Mar. 1.
- Guigas, Gustav, Livingston, N. J. Method of and apparatus for heating, sizing, or forming quartz tubes and profiles. 2,469,597, May 10.
- Guild Design & Manufacturing Company, assignee: *See—*
Rozsa, John A., and Knab.
- Guild, Lorne R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for covering cores. 2,466,417, Apr. 5.
- Gulier, Cameron, Westboro, Mass. Sealing device. 2,483,827, Oct. 4.
- Guillemin, Ernst A., Wellesley, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Production of electric pulses. 2,461,321, Feb. 8.
- Guillet, Emil, assignor to American Optical Company, Southbridge, Mass. Semirimless spectacle mounting having auxiliary lens connection member. 2,477,125, July 26.
- Guinane, James P., Westport, Conn. Loose-leaf binder. 2,472,969, June 14.
- Guinn, Charles L., and J. H. Carmean, Kansas City, Mo. Driving apparatus with manual torque control. 2,466,231, Apr. 5.
- Guinness, Arthur, Son and Company Limited, Messrs., assignee: *See—*
Hughes, Arthur H.
- Guinot, Henri M., Versailles, assignor to Les Usines De Melle (Societe Anonyme), Saint-Liger-les-Melle, France. Dehydrating aqueous solutions of formic acid. 2,485,048, Oct. 18.
- Guinot, Henri M., Versailles, and R. Buret, Melle, assignors to Les Usines de Melle (Societe Anonyme) Saint-Leger-les-Melle, France. Synthetic rubbery reaction products of butadiene hydrocarbons and saturated aliphatic compounds. 2,479,490, Aug. 16.
- Guins, Sergei G., assignor to The Acrotorque Company, Stamford, Conn. Reduction drive mechanism with power feedback. 2,477,451, July 26.
- Guins, Sergei G., assignor to The Acrotorque Company, Stamford, Conn. Vehicle drive control mechanism. 2,477,452, July 26.
- Guise, Arthur B., assignor to Ansul Chemical Company, Marinette, Wis. Nozzle construction. 2,484,942, Oct. 18.
- Guise, Arthur B., and T. W. Johnson, assignors to Ansul Chemical Company, Marinette, Wis. Nozzle for spraying dry chemicals. 2,484,943, Oct. 18.
- Guizzetti, Richard L., Golden, Colo. Amalgamator, including electrical precipitation means. 2,479,615, Aug. 23.
- Gulbrandsen, Helge: *See—*
Maeser, Mieth, and Gulbrandsen.
- Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in attaching soles to shoes. 2,488,532, Nov. 22.
- Gulbransen, Earl A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Chemical type power plant for torpedo propulsion. 2,484,221, Oct. 11.
- Gulbrandsen, Gulbrand, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Floating dial scale. 2,464,445, Mar. 15.
- Gulden, Ernest V.: *See—*
Desch, Joseph R., and Gulden.
Desch, Joseph R., Gulden, and Mumma.
- Gulf Oil Corporation, assignee: *See—*
Cantrell, Troy L., and Smith.
Ritzmann, Otto F.
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Cantrell, and McClintock.
Smith, Herschel G., Cantrell, and Peters.
Smith, Herschel G., and Hill.
- Gulf Research & Development Company, assignee: *See—*
Berg, Lloyd.
Berg, Lloyd, and Harrison.
Bowman, John R.
Bowman, John R., and Ridenour.
Bowman, John R., and Steinback.
Bowman, John R., and Versaw.
Coggeshall, Norman D., and Muskat.
Fawcett, Jack S.
Hanson, William E.
Hirsch, Joel H.
Jacobson, Eugene W., Crezzi, and Aikins.
McCarthy, Paul R.
Montgomery, Charles W., and Horne.
Muskat, Morris, and Coggeshall.
Pigott, Reginald J. S., and Mori.
Reuther, Harold.
Rocchini, Albert G.
Simanton, William A.
Spindt, Roderick S., and Stevens.
Stillson, Gordon H., and Sawyer.
Trautman, Charles E.
Warner, Benjamin R.
Wyckoff, Ralph D., Molnar and Palmer and Blewett.
- Gulick, Russell A., Lynnfield, Mass., assignor, by mesne assignments, to Stator Corporation. Double wall vessel. Re. 23,106, May 3.
- Gulledge, Hugh C.: *See—*
Booge, James E., and Gulledge.
- Gullett Gin Company, assignee: *See—*
Wallace, Jeffrey J.
- Gullette, Willis S., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons with the aid of a fluidized catalyst. 2,476,143, July 12.
- Gullette, Willis S., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons with the aid of a fluidized catalyst. 2,476,144, July 12.
- Gullo, Frank C., Cupertino, Calif. Nut huller with circular cutting blades. 2,464,308, Mar. 15.
- Gullong, Jacob, assignor of fifty per cent to H. Wehming, Chicago, Ill. Automatically adjustable hair clipper. 2,480,920, Sept. 6.

- Gulyban, John F., Cleveland, Ohio. Utility electric lamp. 2,467,207, Apr. 12.
- Gumley, Robert H.: *See—*
Davis, Richard C., and Gumley.
- Gummersall, Thomas A., Sunderland, England. Escape-mechanism. 2,481,213, Sept. 6.
- Gump, Richard A., assignee: *See—*
James, Frazier N.
- Gump, William S.: *See—*
Cade, Arthur R., and Gump.
- Gump, William S., Montclair, N. J., assignor to The Givaudan Corporation. Germicidal soap. 2,487,799, Nov. 15.
- Gundel, Louis M., Chicago, Ill. Fish lure retriever. 2,472,207, June 7.
- Gundelfinger, William E., assignor to Knapp-Monarch Company, St. Louis, Mo. Juicer for fruits and vegetables with vertical axis rotating grater plate. 2,481,010, Sept. 6.
- Gunderman, John F., Sr., Buffalo, N. Y. Automatic matrix cleaner. 2,475,494, July 5.
- Gundersen, Daniel T., assignor to Askania Regulator Company, Chicago, Ill. Multiple speed control system. 2,485,094, Oct. 18.
- Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. Re. 23,085, Feb. 22.
- Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foam formation in an aqueous gas-liquid system. 2,461,730, Feb. 15.
- Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foaming in steam boilers. 2,485,378, Oct. 18.
- Gunderson, Ralph R., Chicago, Ill. Tractor-trailer power brake system. 2,463,172, Mar. 1.
- Gunderson, Ralph R., Chicago, Ill. Fluid pressure increasing device. 2,463,173, Mar. 1.
- Gunderson, Ralph R., Chicago, Ill. Hydraulic booster system for brakes. 2,476,089, July 12.
- Gunderson, Ralph R., Chicago, Ill. Fluid pressure reducing device. 2,479,232, Aug. 16.
- Gunn, Arthur J., assignor to Dowling Company (Electrical Manufacturers) Limited, London, England. Dish and like washing machine. 2,491,175, Dec. 13.
- Gunn, Earl G., Providence, R. I., assignor to Fram Corporation. Control plate for filter cartridges. 2,462,488, Feb. 22.
- Gunn, Earl G., Providence, R. I., assignor to Fram Corporation. Lubricant flow system to filter. 2,463,459, Mar. 1.
- Gunn, Earl G., Providence, R. I., assignor to Fram Corporation. Filter. 2,475,833, July 12.
- Gunn, Joel C., Sacramento, Calif. Sausage casing tying machine. 2,462,957, Mar. 1.
- Gunn, Ross, Washington, D. C. Apparatus and method for studying wave propagations. 2,461,543, Feb. 15.
- Gunn, Townsend M., assignor to Metals and Controls Corporation, Attleboro, Mass. Thermostatic element. 2,492,744, Dec. 27.
- Gunnarson, Elof, Minneapolis, Minn. Sharpening tool. 2,481,309, Sept. 6.
- Gunnell, Robert W., Detroit, Mich., assignor to Industrial Sound Systems, Inc., Cleveland, Ohio. Method and apparatus for the manufacture of capsules. 2,468,060, Apr. 26.
- Gunnell, Robert W., Detroit, Mich., assignor to Industrial Sound Systems, Inc., Cleveland, Ohio. Apparatus and method for manufacturing capsules by upward displacement. 2,492,861, Dec. 27.
- Gunness, Robert C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Regeneration of a hydrocarbon synthesis catalyst. 2,462,861, Mar. 1.
- Gunness, Robert C., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,488,031, Nov. 15.
- Gunning, Alfred, Houston, Tex. Spring-driven screw driver. 2,474,626, June 28.
- Gunning, William F., and E. H. Pier, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Electrical heated windshield. 2,490,433, Dec. 6.
- Gunnison, Foster, New Albany, Ind., assignor to Gunnison Homes, Incorporated. Building unit. 2,478,821, Aug. 9.
- Gunnison, Foster, New Albany, Ind., assignor to Gunnison Homes, Incorporated. Window sill construction. 2,482,170, Sept. 20.
- Gunnison Homes, Incorporated, assignee: *See—*
Gunnison, Foster.
- Gunst, Raymond: *See—*
Kaiser, Otto, and Gunst.
- Gunter, Addison Y.: *See—*
Farkas, George B., and Gunter.
- Gunther, Fred J., Racine, Wis. Scoring device for games. 2,491,262, Dec. 13.
- Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Electrical connection. Re. 23,173, Nov. 29.
- Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Electrical connection. 2,466,418, Apr. 5.
- Gunther, James K.: *See—*
Burnett, Raymond S., and Gunther.
- Gunther, James K., Decatur, Ind., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Decodification and distillation of fats. 2,484,788, Oct. 11.
- Gurd, George W., and L. W. Sproule, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Manufacturing lubricating grease. 2,480,647, Aug. 30.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency apparatus. 2,465,801, Mar. 29.
- Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency oscillator device. 2,476,725, July 19.
- Gurewitz, Samuel J.: *See—*
Kagen, Simon, Rothenberg, and Gurewitz.
- Gürkan, Hamit H., Ankara, Turkey. Catalytic hydrogenation of cellulose to produce oxygenated compounds. 2,488,722, Nov. 22.
- Gurley, John W., assignor to The Duro Company, Dayton, Ohio. Ejector assembly. 2,489,636, Nov. 29.
- Gurney, Albert J. and G. D., assignors to The American Mine Door Company, Canton, Ohio. Rock duster. 2,489,090, Nov. 22.
- Gurney, Glenn D.: *See—*
Gurney, Albert J. and G. D.
- Gurries, Albert G., and J. A. White, Jr., Gilroy, Calif., said White assignor to said Gurries. Leveler. 2,464,227, Mar. 15.
- Gurton, Owen A.: *See—*
Taylor, James, and Gurton.
- Gurtowski, John J.: *See—*
Barfield, Morris L., and Gurtowski.
- Gusdorf, Frederik H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Unicontrol permeability tuning device for superheterodyne receivers. 2,486,152, Oct. 25.
- Gusdorf, Frederik H., and A. Horowitz, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit element for tuning an electric circuit over a plurality of frequency bands. 2,471,523, May 31.
- Gussack, Nathan A., Flushing, N. Y. Lid and door support to maintain same in desired position. 2,465,088, Mar. 22.
- Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Gearshift control. 2,485,732, Oct. 25.
- Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Ripper. 2,490,904, Dec. 13.
- Gustafson, Donald: *See—*
Eynon, Blaine E., and Gustafson.
- Gustafsson, Eric: *See—*
Striegel, Harold L., Gustafsson, and Baur.
- Gustafsson, Eric, and H. L. Striegel, assignors to Binks Manufacturing Company, Chicago, Ill. Dual spray gun. 2,462,262, Feb. 22.
- Gustafsson, Gotthard V. A., Akeshov, and J. D. Malmqvist, Boliden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden. Alternating current compensator circuit for measuring. 2,471,105, May 24.
- Gustavson, A. N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,471,567, May 31.
- Gustavson, Alvin N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,481,011, Sept. 6.
- Gustin-Bacon Manufacturing Company, assignee: *See—*
Botting, Vincent T.
Brelsford, Jay O., and Sheidley.
Stephens, Joseph F.
- Gustin, William C., Cincinnati, Ohio. Door chime and call station annunciator. 2,487,541, Nov. 8.
- Gustitus, Gregory S., assignee: *See—*
Leas, Warren R.
- Gustitus, Norbert A., assignee: *See—*
Leas, Warren R.
- Guth, Carl R., McPherson, Kans. Preheating liquid fuel torch. 2,461,731, Feb. 15.
- Guth, Edwin F., Florissant, Mo. Lighting fixture. 2,478,822, Aug. 9.
- Guth, Edwin F., Florissant, Mo. Lighting fixture. 2,488,012, Nov. 15.
- Guth, Stern & Co., Inc., assignee: *See—*
Lippincott, Joshua G.
- Guthner, Albert L., Englewood, Colo. Siren. 2,462,862, Mar. 1.
- Guthrie, James M., Allison Park, assignor of one-fourth to J. S. Lear, Pittsburgh, Pa. Dispensing container. 2,461,211, Feb. 8.
- Guthrie, James M.: *See—*
Lysle, Charles H., and Guthrie.
- Guthrie, James M., assignee, et al.: *See—*
Gard, Arthur W.
- Guthrie, James M., Crafton, assignor to Loftus Engineering Corporation, Inc., Pittsburgh, Pa. Pit type furnace. 2,478,190, Aug. 9.
- Guthrie, John D., New Orleans, La., assignor to The United States of America as represented by the Secretary of Agriculture. Introduction of amino groups into cellulose. 2,459,222, Jan. 18.
- Guthrie, Thomas, Albany, Calif., and G. R. Evans, Colingswood, N. J., assignors to Allied Chemical & Dye Corporation. Joint construction. 2,460,746, Feb. 1.

- Gutowski, Gerald M., Baltimore, Md. Aircraft tubing ratchet wrench. 2,476,369, July 19.
- Gutridge, Hollister W., Worcester, Mass. Game board and an aligning scale therefor. 2,463,868, Mar. 8.
- Gutridge, Hollister W., Worcester, Mass. Game board and playing pieces therefor. 2,484,026, Oct. 11.
- Gutsche, Carl D.: *See*—
- Johnson, William S., Peterson, and Gutsche.
- Gutschow, Arthur H., Oswego, N. Y., and C. R. Reese, Ghent, Ky. Triple element auto directional antenna system. 2,483,504, Oct. 4.
- Guttman, Alfred, San Francisco, Calif. Cutlery. 2,465,087, Mar. 22.
- Gutton, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Radio waves radiators. 2,477,694, Aug. 2.
- Gutzwiller, Ernst, assignor to Sandoz Limited, Basel, Switzerland. Sulfonated aryl-thio-ethers of phthalocyanines and their manufacture. 2,465,089, Mar. 22.
- Guy, Bernard A. P., Philadelphia, Pa. Hook cap for clothes poles. 2,486,276, Oct. 25.
- Guyer, John W.: *See*—
- Bender, Howard L., Farnham, and Guyer.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Paper can body. 2,464,131, Mar. 8.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Reclosing carton. 2,473,055, June 14.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton. 2,474,476, June 28.
- Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Triple-edge reclosing carton. 2,474,523, June 28.
- Guyot, Gaston J. L., and P. Gillet, Paris, France. Measuring the microphonic action of multielectrode tubes. 2,482,849, Sept. 27.
- Guyot, William S.: *See*—
- Tornquist, Earl L., and Guyot.
- Gwaltney, Eugene C., Biddeford Pool, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Device and process for twisting and spinning. 2,473,520, June 21.
- Gwaltney, Eugene C., Biddeford Pool, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Twisting device and method. 2,473,521, June 21.
- Gwyn, James D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Bending a plurality of glass sheets simultaneously. 2,486,153, Oct. 25.
- Gwyn, James D., and C. B. Williams, Jr., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Protection of surfaces. 2,476,145, July 12.
- Gwynn, Marion H., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Cleaning metal catalysts with alcoholic caustic solution. 2,473,880, June 21.
- Gwynn, Marion H., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Catalytic hydrogenation of naphthalenes. 2,481,921, Sept. 13.
- Gyco Instruments, Inc., assignee: *See*—
- Geyer, William H.
- Gygax, Ernest, assignor to General Engineering & Manufacturing Company, St. Louis, Mo. Flow control device for refrigeration apparatus. 2,482,171, Sept. 20.
- Gynt, Sven, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Winding arrangement in alternating current machines. 2,473,144, June 14.
- Gyro-Balance Corporation, assignee: *See*—
- Kallmann, Heinz E.
- Gyro & Electronics Corporation, assignee: *See*—
- Kenyon, Theodore W.
- Gzinski, Felix C., assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of cyclic nitrogen base sulfonates. 2,472,583, June 7.
- Gzinski, Felix C., assignor to The Atlantic Refining Company, Philadelphia, Pa. Adhesivity of bitumens for mineral aggregates. 2,476,411, July 19.
- H & B American Machine Company, assignee: *See*—
- Keene, Lester E., and Walsh.
- H-P-M Development Corporation, assignee: *See*—
- Ashbaugh, Bernard D.
- Ernst, Walter.
- Ernst, Walter, and Hedrick.
- Ernst, Walter, and Lindner.
- Ernst, Walter, and Tucker.
- Francis, Daniel R.
- Geiger, George M., and Donnenwirth.
- Hubbert, Leslie S., and Miller.
- Lindner, Philip J.
- Lindsey, Robert J.
- MacMillin, Howard F.
- MacMillin, Howard F., and Ernst.
- MacMillin, Howard F., and Waldie.
- Purcell, Howard M.
- Tucker, Warren R.
- Tucker, Warren R., and Dieterich.
- Waldie, George A.
- Waldie, George A., and Muller.
- Haack, William F., Phoenix, Ariz. Knot tying machine for tying spaced overhand knots. 2,489,488, Nov. 29.
- Haag, Herbert C.: *See*—
- Soussloff, Dimitri G., and Haag.
- Haag, Katherine H., Washington, D. C. Phonographic record cabinet. 2,475,495, July 5.
- Haag, Raymond: *See*—
- Brunken, Renke, and Haag.
- Haag-Streit, Werkstaten fur Präzisionsmechanik, assignee: *See*—
- Papritz, Hans.
- Haagensen, Edward A., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Sugar solution ion exchange. 2,482,765, Sept. 27.
- Haahr, Poul, Copenhagen, Denmark. Hydraulic pump. 2,472,529, June 7.
- Haaky Manufacturing Company, assignee: *See*—
- Axell, Archie.
- Haantjes, Johan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for converting a saw-tooth-shaped voltage of a comparatively low frequency into a saw-tooth-shaped current. 2,459,278, Jan. 18.
- Haantjes, Johan, and B. W. van I. Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for producing a saw-tooth current in the deflection coil of a cathode-ray tube and for producing a direct voltage for this tube. 2,474,666, June 28.
- Haantjes, Johan, and J. J. P. Valetton, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for producing a saw-tooth current in inductance coils. 2,489,374, Nov. 29.
- Haantjes, Johan, and J. J. P. Valetton, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for producing a saw-tooth current in inductance coils. 2,489,375, Nov. 29.
- Haarman, Donald W., Detroit Lakes, assignor to Dri-Air Corporation, St. Paul, Minn. Hair drying apparatus. 2,478,393, Aug. 9.
- Haas, Charles, Bilbao, Spain. Scaffolding. 2,483,341, Sept. 27.
- Haas, Clarence C.: *See*—
- Kriegbaum, George M., and Haas.
- Haas, Edward W.: *See*—
- Wolfe, H. Hix, and Haas.
- Haas, Eugene G., Copley Township, Summit County, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reducing the adhesion of ice to rubbery surfaces. 2,470,772, May 24.
- Haas, Frederick S.: *See*—
- Binns, George W., and Haas.
- Haas, Guy C., Bremen, Ind. Making molds. 2,476,726, July 19.
- Haas, Harold G., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Air-cooled generator. 2,479,233, Aug. 16.
- Haas, Harold G., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starting control means for motor generators. 2,492,527, Dec. 27.
- Haas, Milford, Brooklyn, N. Y. Pneumatic kite. 2,486,158, Oct. 25.
- Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun-loading mechanisms. 2,460,384, Feb. 1.
- Haas, Paul C., Mendon, Mich. Flashlight switch. 2,477,516, July 26.
- Haas, William L., Buffalo, N. Y. Crate. 2,490,804, Dec. 13.
- Haase, Elmer A., and J. A. Bolt, assignors to Bendix Aviation Corporation, South Bend, Ind. Density responsive device. 2,470,742, May 17.
- Haase, Jorgen I., assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for building tires. 2,488,863, Nov. 22.
- Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial box. 2,484,707, Oct. 11.
- Haayman, Pieter W.: *See*—
- Verwey, Evert J. W., Haayman, and Bol.
- Habenicht, August F., Tinley Park, Ill. Power tool support. 2,463,266, Mar. 1.
- Habenicht, August F., Tinley Park, Ill. Power tool support. 2,463,691, Mar. 8.
- Haber, Charles P., Schenectady, N. Y., assignor to General Electric Company. Cyclic polymeric organoaminosilanes. 2,462,635, Feb. 22.
- Haber, Philmore J., assignee, trustee: *See*—
- Campbell, John M.
- Haberland, Ernest R., Washington, D. C. Chopper for electrical circuits. 2,479,566, Aug. 23.
- Haberland, Frederick C., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Relief valve. 2,477,247, July 26.
- Haberle, Ethel, assignee: *See*—
- Beasley, Jesse W., and Haberle.
- Haberle, Lawrence B.: *See*—
- Beasley, Jesse W., and Haberle.
- Haberlin, John F., Seattle, Wash., assignor to Boeing Airplane Company. Ammunition box. 2,459,934, Jan. 25.
- Haberman, Harry M., New York, N. Y. Combination tool. 2,469,877, May 10.
- Haberman, Harry M., New York, N. Y. Electrical switch. 2,477,741, Aug. 2.

- Haberman, Richard F., Powell, Wyo. Land leveler. 2,488,187, Nov. 15.
- Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Electric heating element. 2,492,424, Dec. 27.
- Habib, Emile E., Arlington, and D. G. Greenlie, Wayland, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Balloon mold. 2,461,270, Feb. 8.
- Habib, Emile E., Belmont, and D. G. Greenlie, Wayland, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Manufacturing balloons. 2,461,271, Feb. 8.
- Habib, Emile E., Belmont, and D. G. Greenlie, Wayland, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Coating composition containing a fatty acid ester as a gel stabilizing agent. 2,466,672, Apr. 12.
- Habig, William E., Green Village, assignor to Sperry Products, Inc., Hoboken, N. J. Flaw detector for tubing and the like. 2,467,306, Apr. 12.
- Habinski, Michael S., Hamtramck, Mich. Automatic shutter for fans. 2,468,366, Apr. 26.
- Habuda, Martin, Thorold, Ontario, Canada. Toilet paper dispensing apparatus. 2,470,030, May 10.
- Hack, Carl H., Flushing, G. E. Behr, New York, and G. J. Vahrenkamp, Wood Haven, assignors to National Lead Company, New York, N. Y. Corrosion resistant coating for ferrous products. 2,478,692, Aug. 9.
- Hach, William: *See*—
Baldwin, Arthur R., and Hach.
- Hackedorn, Hillis F., Jr., Lakewood, Ohio. Journal lubricator. 2,477,177, July 26.
- Hacker, Horace W., La Grange, Ill. Reciprocating window. 2,483,005, Sept. 27.
- Hackett, Albert B., St. Paul, Minn. Backstop for bowling alleys. 2,472,208, June 7.
- Hackethal, Paul F., Cockeysville, assignor to Koppers Company, Inc., doing business as Bartlett Hayward Division, Baltimore, Md. Propeller construction. 2,487,127, Nov. 8.
- Hackethorn, Earl J., Kansas City, Mo. Manually operable focusing device for cameras. 2,482,107, Sept. 20.
- Hackett, Allen S., New Orleans, La. Pier for offshore drilling rigs. 2,475,888, July 12.
- Hackett, James W.: *See*—
Conrad, Keith, and Hackett.
- Hackman, Basil H., Waukegan, Ill. Pin grinding machine. 2,475,091, July 5.
- Hackway, Andrew, Hampton, Va. Automatic control system. 2,486,402, Nov. 1.
- Hadden, Stuart T., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation catalyzed by liquid hydrogen fluoride. 2,471,211, May 24.
- Haddican, George F., Delano, Calif. Fitting for fiber pipes. 2,470,308, May 17.
- Haddock, Norman H., and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Yellow azo dyestuffs. 2,460,932, Feb. 8.
- Haddock, Norman H., and C. Wood, Manchester, England, assignors to Imperial Chemical Industries Limited. Water-soluble phthalocyanines containing quaternary or ternary salt groups and synthesis thereof. 2,464,806, Mar. 22.
- Haddock, Norman H., W. O. Jones, A. Parkinson, and G. A. Rowe, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Diazotizable phthalocyanine derivatives and preparing same. 2,479,491, Aug. 16.
- Haddock, Norman H., and C. Wood, Manchester, England, assignors to Imperial Chemical Industries Limited. Preparing phthalocyanines containing ternary sulfonium salt groups. 2,482,172, Sept. 20.
- Haddon, Cuthbert L., Newark-on-Trent, England. Manufacture of plaster of Paris. 2,460,266, Feb. 1.
- Haddon, Cuthbert L., Newark-on-Trent, England. Manufacture of plaster of Paris. 2,460,267, Feb. 1.
- Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Thermionic valve circuits. 2,467,474, Apr. 19.
- Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Thermionic valve amplifier. 2,475,547, July 5.
- Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Electronic impulse generator. 2,486,154, Oct. 25.
- Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voltage regulating arrangement. 2,486,155, Oct. 25.
- Hadley, Allan M., Longmeadow, assignor to The F. W. Sickles Company, Chicopee, Mass. Dual band permeability tuning unit. 2,477,979, Aug. 2.
- Hadley, Charles R., Company, assignee: *See*—
Webb, Robert R.
- Hadley Company, Inc., The, assignee: *See*—
Johnson, Sylvester A.
- Hadley, Harold F., Defiance, Ohio, assignor to Dapeo Products, Inc. Compressor. 2,463,766, Mar. 8.
- Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Napping machine. 2,472,584, June 7.
- Hadwiger, Oscar, Pueblo, Colo. Bowling alley sander. 2,480,325, Aug. 30.
- Haeblerlin, George, Richmond, Va., assignor to Richmond Pierce Dye Works, Inc. Fabric folding machine. 2,482,764, Sept. 27.
- Haacks, Erwin, San Francisco, Calif. Dough cutting and placing machine. 2,472,073, June 7.
- Haederer, Gustave A., Philadelphia, Pa. Instrument for drawing circular and curvilinear lines. 2,470,697, May 17.
- Haefeli, Julius C., assignor to The Austin Motor Company Limited, Birmingham, England. Chain tensioner. 2,492,219, Dec. 27.
- Haefner, William C., Newport, Ky., assignor to The Auto Sun Products Company, Cincinnati, Ohio. Sickle bar attachment. 2,476,190, July 12.
- Haehnel, Herbert E.: *See*—
Kaul, Emil W., and Haehnel.
- Haensel, Vladimir, Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Alumina-platinum-halogen catalyst and preparation thereof. 2,479,109, Aug. 16.
- Haensel, Vladimir, Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Reforming a gasoline with an alumina-platinum-halogen catalyst. 2,479,110, Aug. 16.
- Haensel, Vladimir, Clarendon Hills, and C. F. Gerald, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Reforming process. 2,478,916, Aug. 15.
- Hafele, Harry M., Trotwood, Ohio. Motor mounting. 2,475,889, July 12.
- Haff, Richard M.: *See*—
Harsh, Harold C., Haff, and Kaszuba.
- Haff, Richard M., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic process for converting black-and-white or monochrome pictures into multicolor pictures. 2,461,469, Feb. 8.
- Haff, Richard M., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Sensitometer. 2,464,761, Mar. 15.
- Haff, Richard M., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Registration frame. 2,487,542, Nov. 8.
- Haffey, Bernard P., Lakewood, assignor to B. A. Herren, Bay Village, Ohio. Toolholder. 2,484,027, Oct. 11.
- Hafner, Hugo C., Brooklyn, N. Y. Receptacle filler. 2,486,743, Nov. 1.
- Haford, Bradford C., Westfield, N. J., and J. S. Parsons, Lexington, Va., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Producing a free-flowing granular nonsoap detergent. 2,480,730, Aug. 30.
- Hafner, Ludwig G. P.: *See*—
Quirk, Justin P., and Hafner.
- Hafstad, Lawrence R., and W. J. Flett, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Centrifugal unshorting device. 2,458,470, Jan. 4.
- Hagaman, Boynton G.: *See*—
Boland, Ralph K., and Hagaman.
- Hagan Corporation, assignee: *See*—
Anderson, George R.
Markson, Alfred A.
- Hagan, John J., Philadelphia, Pa. Basin tap connector. 2,476,597, July 19.
- Hagby, Gustav V.: *See*—
Dalin, David, and Hagby.
- Hageman, Louis F., Lewiston, assignor to Moore Business Forms, Inc., Niagara Falls, N. Y. Paper feed for writing machines. 2,482,108, Sept. 20.
- Hagemann, Guy: *See*—
Penau, Henry, and Hagemann.
- Hagemeyer, Hugh J., Jr.: *See*—
Caldwell, John R., and Hagemeyer, Jr.
Magoffin, James E., and Hagemeyer, Jr.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing nitriles of dicarboxylic acids. 2,458,373, Jan. 4.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. β,β' -oxydipropionic acids and preparation. 2,466,419, Apr. 5.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Ketene condensation products with aldehydes. 2,466,420, Apr. 5.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing acid anhydrides and acetone. 2,476,859, July 19.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing enol esters of enolizable organic compounds. 2,476,860, July 19.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. β -lactones from unsaturated aldehydes and unsaturated ketones. 2,478,388, Aug. 9.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Condensation of ketenes with quinones. 2,481,742, Sept. 13.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of substituted lower aliphatic acids. 2,484,497, Oct. 11.

- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of butyric acid. 2,484,498, Oct. 11.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing ester lactones. 2,484,499, Oct. 11.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of propionic acids by reduction of beta propiono lactones. 2,484,500, Oct. 11.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of enol esters of diketones. 2,484,501, Oct. 11.
- Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Halogenation of polyvinyl alcohol compounds. 2,484,502, Oct. 11.
- Hagemeyer, Hugh J., Jr., and D. C. Cooper, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Continuous process of producing beta lactones. 2,469,690, May 10.
- Hagen, Asbjorn, Kississing, Manitoba, Canada. Gasoline filter. 2,462,740, Feb. 22.
- Hagen, Glen, Clintonville, assignor to J. J. Schumacher, Shawano, Wis. Coupling pin. 2,482,907, Sept. 27.
- Hagen, Glenn E., Redondo Beach, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Delay device. 2,487,332, Nov. 8.
- Hagen, Harold F., Norwell, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Multistage, axial flow, gas compressor. 2,476,191, July 12.
- Hagen, Kenneth R., assignor to U. O. Colson Company, Paris, Ill. Hot dog warmer. 2,463,613, Mar. 8.
- Hagenberg, Theodor, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,488,772, Nov. 22.
- Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,478,389, Aug. 9.
- Hager, Emil F., Queens Village, N. Y. Toolmaker's optical instrument having mounting features and scale graduations. 2,486,645, Nov. 1.
- Hager, Glenn F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1,4-dicyano-2-butene. 2,462,388, Feb. 22.
- Hager, Glenn F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1,4-dicyano-2-butene. 2,477,597, Aug. 2.
- Hager, Glenn F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction-hydrolysis of nitrobenzenes to cyclohexanols. 2,481,922, Sept. 13.
- Hagerbaumer, William A., Westfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of liquid hydrocarbons with a moving catalyst. 2,458,162, Jan. 4.
- Hagerbaumer, William A., Westfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Distribution of solids to moving compact beds thereof. 2,491,446, Dec. 13.
- Hagerman, Charles W.: See—
Bruce, Everett A., and Hagerman.
- Hagerman, Floyd M., Swanton, Ohio. Exerciser. 2,488,534, Nov. 22.
- Hagerty, Robert J., San Gabriel, Calif. Moisture measuring and calibrating apparatus for tree culture. 2,468,972, May 3.
- Hagg, Arthur C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bearing. 2,479,349, Aug. 16.
- Hagg, Arthur C., and B. Cametti, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Portable generator for the balancing of rotors. 2,486,277, Oct. 25.
- Haggart, John C., Jr., Los Angeles, Calif. Apparatus for molding reflector devices. 2,479,350, Aug. 16.
- Hagger, Wilfrid J.: See—
Menheneott, Frank M., and Hagger.
- Haggerty, Vincent: See—
Winter, Arthur, and Haggerty.
- Hägglund, Bengt S.: See—
Adler, Erich, and Hägglund.
- Hagner, Frederick H., San Antonio, Tex. Star matcher and sun compass. 2,460,346, Feb. 1.
- Hagner, Frederick H., San Antonio, Tex. Touch signal level. 2,472,420, June 7.
- Hagner, Frederick H., San Antonio, Tex. Missile dropping device. 2,491,730, Dec. 20.
- Hagopian, Richard H., Halethorpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating apparatus. 2,473,881, June 21.
- Hagopian, Richard H., Halethorpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating apparatus. 2,479,351, Aug. 16.
- Hagopian, Vahan, New York, N. Y. Making containers. 2,460,820, Feb. 8.
- Hagquist, Gustaf E.: See—
Rundell, Rupert E., and Hagquist.
- Hagstrom, Jerome E.: See—
Johnson, Elmer C., and Hagstrom.
- Hagstrum, Homer D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test circuit. 2,482,173, Sept. 20.
- Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulverized fuel burner. 2,458,992, Jan. 11.
- Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulverized fuel distributor for burner nozzles. 2,474,477, June 28.
- Hague, Fred, Devon, assignor to Sun Oil Company, Philadelphia, Pa. Self-sealing coupling. 2,361,818, Feb. 15.
- Hahn, Clarence J.: See—
Tessendorf, Draper E., and Hahn.
- Hahn, Clarence J., Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Adapter hub. 2,487,128, Nov. 8.
- Hahn, Elmer G.: See—
Hilkemeier, Louis G., and Hahn.
- Hahn, Frank J., Kansas City, Mo., assignor to United Aircraft Corporation, East Hartford, Conn. Fuel and ignition control. 2,460,383, Feb. 1.
- Hahn, Harry W., Glendale, and H. A. Weisman, Los Angeles, Calif. Lighted compact. 2,490,352, Dec. 6.
- Hahn, Herman F., assignor of two-thirds to H. F. Hahn, Evanston, and one-third to W. F. Karstens, Arlington Heights, Ill. Spraying attachment for centrifugal extractors. 2,480,921, Sept. 6.
- Hahn, Lewis F., Hatfield, Pa. Shielded spark plug. 2,489,410, Nov. 29.
- Hahn, Paul R. T.: See—
Reiss, Raymond H., and Hahn.
- Hahn, Paul T., Detroit, Mich., assignor to Eureka Williams Corporation. Vacuum cleaner converter arrangement. 2,482,337, Sept. 20.
- Hahn, Rea I., R. W. Spears, and B. E. Frank, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Tubing support for tubing welders. 2,492,572, Dec. 27.
- Hahn, William C., Scotia, N. Y., assignor to General Electric Company. High-frequency apparatus. 2,463,267, Mar. 1.
- Hahn, William C., Scotia, N. Y., assignor to General Electric Company. Pulse echo system. 2,467,208, Apr. 12.
- Hahne, Max, New York, N. Y. Narrow ware loom. 2,459,814, Jan. 25.
- Haig, John, & Company, assignee: See—
Whittam, Albert.
- Haigh, Leslie B., West Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rectifier and making the same. 2,485,593, Oct. 25.
- Haigh, Paul V., and W. S. Horton, assignors to Studebaker Corporation, South Bend, Ind. Transmission. 2,481,997, Sept. 13.
- Haight, John L., Jr., Fort Worth, Tex. Jet-propelled aircraft. 2,470,348, May 17.
- Hailles, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Single channel radio communication system affording break-in operation. 2,472,585, June 7.
- Hailles, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Occupancy detecting means for conveyances. 2,488,815, Nov. 22.
- Hain, George M., Montclair, N. J. Microworker for lubricating greases. 2,477,598, Aug. 2.
- Hain, George M., U. S. Navy. Method and apparatus for making grease. 2,478,917, Aug. 16.
- Hain, Max, Pittsburgh, Pa. Electrical cable support or rack. 2,470,814, May 24.
- Haines, Atwell B.: See—
De Monte, Robert W., and Haines.
- Haines, Donald G., Elmhurst, Ill., assignor to National Union Radio Corporation, Newark, N. J. Beam power tube. 2,459,072, Jan. 11.
- Haines, John F., and T. B. Martin, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Regulator for controllable pitch propellers. 2,465,090, Mar. 22.
- Haines, Paul G., and A. Eisner, Philadelphia, and C. F. Woodward, Abington, Pa., assignors to The United States of America as represented by the Secretary of Agriculture. Preparation of nornicotine. 2,459,696, Jan. 18.
- Haines, Walter H.: See—
Lyle, Jack E., and Haines.
- Haines, William J.: See—
Cartland, George F., Haines, and Bohonos.
- Hainke, Paul W., Hutchinson, Kans., assignor, by mesne assignments, to William H. Hainke. Power lawn mower. 2,474,524, June 28.
- Hainke, William H., assignee: See—
Hainke, Paul W.
- Hains, Randall, Boonton, assignor to Elevator Supplies Company, Inc., Perth Arboy, N. J. Elevator hatchway door operator. 2,453,702, Jan. 11.
- Haist, Dale E.: See—
Haist, Wade E., and D. E.
- Haist, Wade E., Aurora, and D. E. Haist, Fairview, Ill. Socket wrench with attached bar-handle. 2,486,022, Oct. 25.
- Hait, James M., San Gabriel, Calif., assignor to Food Machinery and Chemical Corporation. Amphibian. 2,475,496, July 5.
- Hainv, Frank, Newburgh, N. Y. Combination button. 2,470,980, May 24.

- Hake, Elmer C., Covington, Ky., assignor to Snap-On Drawer Co., Morrow, Ohio. Sectional cabinet structure. 2,482,174, Sept. 20.
- Halahan, John, Jackson Heights, and F. A. Lyon, Hillside Heights, N. Y., L. H. Mortimer, Caldwell, N. J., and T. F. Aronson, St. Albans, N. Y., assignors, by mesne assignments, to Bell & Howell Company. Projection microfilm reader. 2,486,157, Oct. 25.
- Halbach, Ernest W., Andover, assignor to The Bolta Company, Lawrence, Mass. Multiple nozzle mechanism for injection molding machines. 2,471,633, May 31.
- Halbach, Ernest W., Andover, assignor to The Bolta Company, Lawrence, Mass. Injection molding machine having adjustable mechanism with interchangeable mold assembly. 2,478,823, Aug. 9.
- Halbedel, Harold S.: *See—*
Heath, James C., Cardon and Halbedel.
- Halbedel, Harold S., Euclid, and J. C. Heath, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Manufacture of 3-chlorocoumarin. 2,478,824, Aug. 9.
- Halbedel, Harold S., and J. C. Heath, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Thiophene sulfonic acid preparation. 2,480,465, Aug. 30.
- Halbing, Anthony T., Waterbury, Conn. Square lamp guard. 2,460,173, Jan. 25.
- Halbkat, Charles A.: *See—*
Wells, Lee A., and Halbkat.
- Halborg, Carl J., New Baltimore, assignor to Colonial Broach Company, Warren Township, Macomb County, Mich. Broaching machine. 2,459,697, Jan. 18.
- Halby, Edwin G., Marion County, assignor to Marion Power Shovel Company, Marion, Ohio. Excavating machine. 2,488,908, Nov. 22.
- Halda, Coleman: *See—*
Milbrath, Walter H., and Halda.
- Hale Fire Pump Company, assignee: *See—*
Yocum, Harold W.
- Hale, George C., Dover, N. J. Explosive composition. 2,472,105, June 7.
- Hale, George C., and D. Hart, Dover, N. J. Fuse powder composition. 2,461,544, Feb. 15.
- Hale, George C., and D. Hart, Dover, N. J. Fuse powder composition. 2,467,334, Apr. 12.
- Hale, George C., and D. Hart, Dover, N. J. Fuse powder composition. 2,468,061, Apr. 26.
- Hale, George C., and D. Hart, Dover, N. J. Delay powder. 2,478,918, Aug. 16.
- Hale, George C., and L. F. Audrieth, Dover, N. J. Propellant powders. 2,480,852, Sept. 6.
- Hale, Jesse R., Berkley, Mich. Fuel injection apparatus. 2,474,419, June 28.
- Hale, Thomas A., assignor to Eastman Kodak Company, Rochester, N. Y. Benzilic acid soldering flux. 2,461,154, Feb. 8.
- Hale, Thomas A., assignor to Eastman Kodak Company, Rochester, N. Y. Naphthoic acid soldering flux. 2,461,155, Feb. 8.
- Hale, William C., Jr., assignor to South Chester Corporation, Chester, Pa. Fastening means. 2,470,927, May 24.
- Hale, William J., Midland, Mich., assignor to The National Agrol Company, Inc., Washington, D. C. Tobacco composition and making it. 2,460,284, Feb. 1.
- Hale, William J., Midland, Mich., assignor to The National Agrol Company, Inc., Washington, D. C. Tobacco products and making them. 2,460,285, Feb. 1.
- Hales, Ralph: *See—*
Creighton, Henry J., and Hales.
- Hales, Ralph A., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Preparation of phenolphthalein beta,beta'-diglucoside octaacetate. 2,481,417, Sept. 6.
- Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket compartment humidifier. 2,484,882, Oct. 18.
- Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket. 2,492,426, Dec. 27.
- Halico, Inc., assignee: *See—*
Spangenberg, Alfred L.
- Halfer Engineering Company, assignee: *See—*
Priestedt, Ragnar, and Halfer.
- Halfer, Raymond C.: *See—*
Priestedt, Ragnar, and Halfer.
- Halford, Frank B., assignor to The De Havilland Aircraft Company, Limited, Edgware, England. Jet propulsion plant. 2,459,935, Jan. 25.
- Halford, Herbert C., Jonesboro, Ark. Traction device for wheels. 2,474,939, July 5.
- Halko, William, Vancouver, British Columbia, Canada. Pyrophoric lighter. 2,484,287, Oct. 11.
- Halko, William, Vancouver, British Columbia, Canada. Chin rest for violins. 2,486,646, Nov. 1.
- Hall, Albert C., Boston, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Servomechanism. 2,470,099, May 17.
- Hall, Arthur O., Wenatchee, Wash., assignor of fifty-one one-hundredths to M. N. Boskovich, Midvale, Utah. Mechanical mine shaft shovel. 2,461,978, Feb. 15.
- Hall, Bicknell, Boston, Mass., assignor to General Foods Corporation, New York, N. Y. Refrigerating apparatus. 2,484,944, Oct. 18.
- Hall, Billie D., Norman Park, Ga. Roll holder. 2,467,825, Apr. 19.
- Hall, Carl R., Chicago, Ill. Fishhook setting means. 2,491,731, Dec. 20.
- Hall, Catherine M.: *See—*
Boatner, Charlotte H., Hall, and Merrifield.
- Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Mounting construction. 2,491,447, Dec. 13.
- Hall, Charles S., New York, N. Y. Varying the buoyancy of lighter-than-air craft. 2,466,421, Apr. 5.
- Hall, Chester I., Vischers Ferry, N. Y., assignor to General Electric Company. Control device. 2,458,939, Jan. 11.
- Hall, Clarence E., Portland, Oreg. Valve clearance gauge. 2,471,106, May 24.
- Hall, Dianne R., Los Angeles, Calif. Nursing bottle jacket. 2,489,773, Nov. 29.
- Hall, Edward L., Los Angeles, Calif., assignor to North American Aviation, Inc. Sequence control mechanism. 2,460,693, Feb. 1.
- Hall, Edwin S., Farmington, Conn. Reciprocating mechanism. 2,464,228, Mar. 15.
- Hall, Edwin S., Farmington, Conn. Barrel engine mounting. 2,471,428, May 31.
- Hall, Elbridge W., San Diego, Calif. Joggle die. 2,479,161, Aug. 16.
- Hall, Elisha W., Scituate, Mass. Rotary abrading tool. 2,462,741, Feb. 22.
- Hall, Elisha W., Scituate, Mass. Abrading element. 2,484,994, Oct. 18.
- Hall, Elwin B., assignee: *See—*
Werts, Richard A.
- Hall, Eric V.: *See—*
Campbell, Thomas C., and Hall.
- Hall, Ernestine M., executrix: *See—*
Hall, Hubert N., and Woodward.
- Hall, Eugene A., Chilliwack, British Columbia, Canada. Power drill attachment for chain saws. 2,489,772, Nov. 29.
- Hall, Flemmon P., Geddes, and D. C. Newton, Syracuse, N. Y. Leak indicator for sealed receptacles. 2,479,743, Aug. 23.
- Hall, Frank T., Queens Village, N. Y. Ball game table. 2,468,194, Apr. 26.
- Hall, Fred B., assignor to Riley Stoker Corporation, Worcester, Mass. Grate clip for traveling grate stokers. 2,485,379, Oct. 18.
- Hall, George O., Murrysville, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Fruit and vegetable products and making same. 2,478,266, Aug. 9.
- Hall, Homer J., Cranford, N. J., and F. L. Jonach, New York, N. Y., assignors to Standard Oil Development Company. Reference junction for thermocouple leads. 2,475,238, July 5.
- Hall, Horace E.: *See—*
Boehm, Robert M., and Hall.
- Hall, Horace W., Newton, Mass. Treatment of ligno-cellulosic material and product resulting therefrom. 2,483,198, Sept. 27.
- Hall, Hubert N., deceased, late of Princeton, N. J., by E. M. Hall, executrix, and J. G. Woodward, Princeton, N. J., assignors to Radlo Corporation of America. Mounting for magnetostrictive driving units. 2,467,127, Apr. 12.
- Hall, James R., Hammon, Okla. Lever handle. 2,460,500, Feb. 1.
- Hall, James W., M. Hook, and A. W. Hunter, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Artificial fiber. 2,476,293, July 19.
- Hall, James W., Marcus Hook, and A. W. Hunter, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Spinning artificial filaments. 2,492,425, Dec. 27.
- Hall, Joseph E., San Diego, Calif. Violin shoulder safety pad. 2,478,530, Aug. 9.
- Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Spray drier apparatus. 2,469,553, May 10.
- Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Method of and apparatus for dehydrating liquid products. 2,481,418, Sept. 6.
- Hall, John A., assignee: *See—*
Adams, William C.
- Hall, John I., Platts Mill, Conn., assignor to Ex-Cell-O Corporation, Detroit, Mich. Temperature control system for pasteurizers. 2,465,532, Mar. 29.
- Hall, Keith W., Toledo, assignor to Defiance Machine Works, Inc., Defiance, Ohio. Molding press. 2,482,338, Sept. 20.
- Hall, Keith W., Toledo, Ohio, assignor, by mesne assignments, to The Baldwin Locomotive Works. Transfer molding press. 2,490,625, Dec. 6.
- Hall Laboratories, Inc., assignee: *See—*
Munter, Casimir J.
- Hall Laboratories, Incorporated, assignee: *See—*
Hall, George O.
Hall, Ralph E.
- Hall, Lawrence J., and M. R. Hall, Middletown, N. Y., assignors to Damosel, Inc. Hair curler. 2,484,563, Oct. 11.
- Hall, Lindsey S., Pawtucket, R. I., and R. E. Sollday, assignors to Wingfoot Corporation, Akron, Ohio. Cord processing apparatus. 2,464,502, Mar. 15.

- Hall, Lloyd A., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Manufacture of stable dry papain composition. 2,464,200, Mar. 15.
- Hall, Lloyd A., Chicago, Ill., assignor to The Griffith Laboratories, Inc. Phospholipoid carrier for antioxidant. 2,464,928, Mar. 22.
- Hall, Lloyd A., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Gelatin-base coating for food and the like. 2,477,742, Aug. 2.
- Hall, Lloyd A., and L. L. Gershbein, Chicago, Ill., assignors to The Griffith Laboratories, Inc. Antioxidant. 2,464,927, Mar. 22.
- Hall, Marcus A., Bethany, assignor, by mesne assignments, to Churchward & Company, Incorporated, West Haven, Conn. Boat hull. 2,461,819, Feb. 15.
- Hall, Marvin F., Joplin, Mo. Safety arrangement for X-ray apparatus. 2,492,281, Dec. 27.
- Hall, May R.: *See—*
Hall, Lawrence J., and M. R.
- Hall, Monroe D., Wilmington, Calif. Hydraulic system for vehicle jacks. 2,472,294, June 7.
- Hall, Nathaniel R.: *See—*
Hogaboom, George B., Jr., and Hall.
- Hall, Phyllis W., Scarsdale, N. Y. Cravat carrier and conditioner. 2,488,973, Nov. 22.
- Hall, Ralph E.: *See—*
Wilcox, Marion J., and Hall.
- Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Incorporated, Pittsburgh, Pa. Treatment of steam boiler water. 2,476,598, July 19.
- Hall, Ralph E., East Chicago, Ind., and M. J. Wilcox, Harvey, Ill., assignors to Sinclair Refining Company, New York, N. Y. Fluidized catalytic conversion of hydrocarbons. 2,471,034, May 24.
- Hall, Ralph E., East Chicago, Ind., and M. J. Wilcox, Harvey, Ill., assignors to Sinclair Refining Company, New York, N. Y. Stripping of spent catalyst in hydrocarbon conversion. 2,471,064, May 24.
- Hall, Robert, Lockport, assignor to American District Steam Company, North Tonawanda, N. Y. Fluid meter. 2,467,259, Apr. 12.
- Hall, Robert N., A. H. Shاربough, and L. Tonks, Schenectady, N. Y., assignors to General Electric Company. High-frequency electrical apparatus. 2,482,541, Sept. 20.
- Hall, Roger N., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Gastight articulated joint for hollow vessels. 2,465,373, Mar. 29.
- Hall, Roland H.: *See—*
Kaufmann, Charles, and Hall.
- Hall, Russell M.: *See—*
Shoemaker, Malcolm G., and Hall.
- Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Holst. 2,476,192, July 12.
- Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Grappler. 2,481,923, Sept. 13.
- Hall, Stanley R., Burbank, Calif. Domestic doughnut machine. 2,482,668, Sept. 20.
- Hall, Victor W.: *See—*
Marchant, Lawrence E., Hall and Creek.
- Hall, Walter S., Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Traveling nut limit stop. 2,460,222, Jan. 25.
- Hall, Warren S., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Cooling apparatus. 2,480,573, Aug. 30.
- Hall, Wayne C., Cheverly, Md. Apparatus for preventing radio interference. 2,466,024, Apr. 5.
- Hall, Wayne C., Cheverly, Md. Apparatus for preventing radio interference. 2,466,311, Apr. 5.
- Hall, William D., Elkins, W. Va. Heater. 2,486,156, Oct. 25.
- Hall, William M., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Communication system. 2,466,701, Apr. 12.
- Hall, William M., Lexington, Mass. Cathode-ray circuit. 2,472,209, June 7.
- Hall, William M., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Modulation system. 2,473,794, June 21.
- Hall, William M., Stockton, Calif. Window pulley gauge. 2,458,072, Jan. 4.
- Hall, William M., Lexington, and J. D. Le Van, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Switch tube device for waveguides. 2,491,971, Dec. 20.
- Hall, William P.: *See—*
Ford, Florence M., and Hall.
- Hall, William P., assignor to Joseph Bancroft & Sons, Co., Wilmington, Del. Securing ornamental effects in textiles. 2,488,397, Nov. 15.
- Hallamore, Lloyd G., Los Angeles, Calif., assignor to C. A. Miketta. Mailbox with signal. 2,467,475, Apr. 19.
- Hallander, Arthur L., University City, assignor of one-half to C. L. Martin, St. Louis, Mo. Leash for animals. 2,458,489, Jan. 4.
- Hallberg, August W., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Producing dies for extruding externally finned tubes. 2,461,640, Feb. 15.
- Hallberg, August W., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Mandrel for expanding internally-finned tubes. 2,467,668, Apr. 19.
- Hallberg, Elmer E., and J. C. Verstynen, assignors to Rockford Machine Tool Company, Rockford, Ill. Tracer mechanism for machine tools. 2,473,584, June 21.
- Halldin, Carl O., and T. E. D. Bilde, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Clothes washing apparatus employing oscillatable agitator. 2,491,081, Dec. 13.
- Hallead, Mervil, assignor to Superior Machine and Engineering Company, Detroit, Mich. Apparatus for dressing the grinding wheel of an internal grinder. 2,459,641, Jan. 18.
- Hallen, Carl E., assignor to J. B. Crofoot Co., Mount Prospect, Ill. Cushion head for stapling devices and the like. 2,464,929, Mar. 22.
- Haller, Albert, and J. Torrey, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Tire building core. 2,488,862, Nov. 22.
- Haller, Herbert L. J.: *See—*
Fleck, Elmer E., and Haller.
- Haller, John, Northville, Mich. Step-by-step feeding device. 2,467,740, Apr. 19.
- Haller, John E., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Production of nitrogen dioxide. 2,483,199, Sept. 27.
- Hallerberg, Theodore W., Chicago, Ill. Optical oil condition indicator. 2,487,238, Nov. 8.
- Hallerstrom, Harold C., assignor of one-tenth to F. P. Keiper, Evanston, Ill. Friction lock for threaded fastenings. 2,463,378, Mar. 1.
- Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Multiple shielded assembly unit. 2,462,489, Feb. 22.
- Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Shielded housing for ignition coils and filters. 2,462,490, Feb. 22.
- Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Ignition coil and filter shield assembly. 2,462,491, Feb. 22.
- Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Distributor shield. 2,465,447, Mar. 29.
- Hallett Manufacturing Company, assignee: *See—*
Hallett, Elton C.
- Hallowell, George, assignor to Blackstone & Company Limited, Stamford, England. Speed control gear of prime movers. 2,460,501, Feb. 1.
- Hallowell, Harold S., assignee: *See—*
Porter, Charles B. A., and Seymour.
- Halley, William C., Mechanicsburg, Ohio. Elevating caster device for furniture. 2,464,503, Mar. 15.
- Halliburton Oil Well Cementing Company, assignee: *See—*
Mason, John F.
- Halliday, William, Jefferson, S. Dak. Hunting garment. 2,485,442, Oct. 18.
- Hallie, Gerardus, Geleen, Netherlands, assignor to de Directie van de Staatsmijnen in Limburg, Handerland voor en namens de Staat der Nederlanden, Heerlen, Netherlands. Reduction of nitrobenzene to hydrazobenzene. 2,486,358, Oct. 25.
- Hallin, Karl E. E., assignor to Aktiebolaget C. E. Johanson, Eskilstuna, Sweden. Combination length bar. 2,469,502, May 10.
- Hallinan, William W., Racine, Wis. Filter. 2,459,318, Jan. 18.
- Hallinan, William W., Racine, Wis. Filter. 2,459,376, Jan. 18.
- Hallinan, William W., Racine, Wis. Variable-speed pulley. 2,459,377, Jan. 18.
- Hallinan, William W., Racine, Wis. Variable-speed pulley. 2,459,378, Jan. 18.
- Hallinan, William W., Racine, Wis. Unit heater and controlling device therefor. 2,463,031, Mar. 1.
- Hallinan, William W., Racine, Wis. Heating system. 2,479,069, Aug. 16.
- Halling, Paul, assignee: *See—*
Burritt, Burnell O.
- Hallisy, Raymond J., assignor to Eastman Mfg. Company, Manitowoc, Wis. Hose coupling. 2,485,049, Oct. 18.
- Hallman, Ludlow B., Jr., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Radio position determining system. 2,479,567, Aug. 23.
- Hallmark, Aubrey C., Naval Base, S. C. Automatic air gauge. 2,470,164, May 17.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Modulation system. 2,459,698, Jan. 18.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Synchronizing system. 2,459,699, Jan. 18.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Frequency divider circuit. 2,467,476, Apr. 19.
- Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Waveform compensating circuit for television film transmitters. 2,485,594, Oct. 25.
- Hallock, Eugene D., Snyder, N. Y. Razor blade testing device. 2,469,385, May 10.
- Hallock, Robert L., Larchmont, N. Y. Refrigeration. Re. 23,110, May 10.

- Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J. Fastening device. 2,477,178, July 26.
- Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J. Self-locking device. 2,487,129, Nov. 8.
- Hallock, Robert L., Larchmont, N. Y. Combination rug nozzle and floor brush. 2,488,625, Nov. 22.
- Hallowell, Alban T., Parlin, N. J. assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aryl trichlorothio acetates in elastomer treatment. 2,462,742, Feb. 22.
- Hallowell, Alban T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Xylyl trichlorothiolacetate. 2,472,897, June 14.
- Haloid Company, The, assignee: *See*—
Copley, Harold E.
Sabel, Edward R., and Galbrecht.
- Haloski, Frank: *See*—
Frie, Elmer W., and Haloski.
- Haloski, Walter J., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magazine type magnetic recording apparatus. 2,476,599, July 19.
- Halote, Benjamin, Woodhaven, N. Y. Clamp stand for stitching gloves. 2,491,972, Dec. 20.
- Halpern, Gregory, New York, assignor to Polychrome Corporation, Yonkers, N. Y. Stylus. 2,474,312, June 28.
- Halpern, Julius, Brookline, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electrical apparatus. 2,473,426, June 14.
- Halpert, Percy: *See*—
Esvall, Orland E., and Halpert.
- Halpert, Percy, Kew Gardens, C. A. Frische, and J. L. Bird, Lake Success, and O. E. Esvall, Huntington, N. Y., assignors to The Sperry Corporation. Rate circuits. 2,462,095, Feb. 22.
- Halphen, Fabio G., Jr., assignee: *See*—
Ingalls, Edgar J.
- Halstead, Gerald G., and R. B. Russ, Schenectady, N. Y., assignors to General Electric Company. Electrode support structure for electric discharge devices. 2,459,277, Jan. 18.
- Halstead, Laban R., assignor to Eugene Dietzgen Co., Chicago, Ill. Railroad ruling pen. 2,465,869, Mar. 29.
- Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper carrier operating mechanism. 2,471,389, May 24.
- Halstead, Paul R.: *See*—
Yount, Stanley G., and Halstead.
- Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Traffic signalling system. 2,459,106, Jan. 11.
- Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Radio and visual warning device. 2,475,578, July 5.
- Halter, Allan C.: *See*—
Volgovskoy, Boris, and Halter.
- Halter, Allan C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Speed responsive means. 2,470,928, May 24.
- Halverson, Andrew W.: *See*—
Hart, Edwin B., and Halverson.
- Halvorsen, Drew, Westfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Magnetic core and clamp. 2,485,599, Oct. 25.
- Halvorsen, Gordon G.: *See*—
Bollaert, Armand R., and Halvorsen.
- Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Printing arrangement for merchandising control systems. 2,482,271, Sept. 20.
- Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Signaling system. 2,487,130, Nov. 8.
- Halvorsen, Earl H., John Day, Oreg. Telescopic sight protector. 2,488,188, Nov. 15.
- Halvorsen, Henry M., Chicago, Ill. Support. 2,484,453, Oct. 11.
- Ham, George E.: *See*—
Mowry, David T., and Ham.
- Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of vinyl acetate, vinyl benzoate and an alkyl acrylate. 2,478,627, Aug. 9.
- Ham, Philip W., Schenectady, N. Y., assignor to General Electric Company. Compositions of matter from oil-modified alkyl resins. 2,491,811, Dec. 20.
- Ham, William H., Bridgeport, Conn. Spinning machine. 2,483,276, Sept. 27.
- Hamaker, Hugo C.: *See*—
Veenemans, Cornelis F., and Hamaker.
- Haman, Howard H., and W. E. Schmidt, assignors to The Warren Featherbone Co., Three Oaks, Mich. Waterproof fabric seam. 2,465,374, Mar. 29.
- Hambrick, Fielding A., Farmington, Mo. Ship protector. 2,475,239, July 5.
- Hambrick, Ida, Toledo, Ohio. Multisectioned folder. 2,468,973, May 3.
- Hamburg, Nathan, assignor to Joseph H. Meyer Brothers, Brooklyn, N. Y. Bead dipping apparatus. 2,488,535, Nov. 22.
- Hamby, Malcolm C., United States Army. Automatic pilot engaging means. 2,466,702, Apr. 12.
- Hamel, Donat H., Huntington Park, Calif. Watch repairing method. 2,483,765, Oct. 4.
- Hamel, Georges R., Paris, France. Multicylinder engine. 2,462,492, Feb. 22.
- Hamel, Lewis E., assignor to Lewis E. Hamel Co., Inc., Rochester, N. Y. Hinge connection for elastic sheets. 2,487,869, Nov. 15.
- Hamel, Lewis E., Co., Inc., assignee: *See*—
Hamel, Lewis E.
- Hamer, Alfred A., Alexandria, Va. Heating apparatus. 2,480,363, Aug. 30.
- Hamer, Frances M.: *See*—
Knott, Edward B., Hamer, and Rathbone.
- Hamer, Frances M., R. J. Rathbone, and B. S. Winton, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Polymethine dyes and intermediates. 2,484,503, Oct. 11.
- Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Seal for pipe-line fittings. 2,462,493, Feb. 22.
- Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Pipe fitting. 2,462,494, Feb. 22.
- Hamermesh, Morton: *See*—
Fubini, Eugene, and Hamermesh.
- Hamill, William W., Little Aston, England. Thermostatically-operated regulating or controlling apparatus. 2,473,097, June 14.
- Hamill, William W., Little Aston, and R. S. Crump, Birmingham, England. Attaching wheels to shafts. 2,472,421, June 7.
- Hamill, William W., Little Aston, and R. S. Crump, Birmingham, England. Connecting rod. 2,473,096, June 14.
- Hamilton, Alfred E., Pittsburgh, Pa. Grinding and polishing machine of the rotary-tool type. 2,481,588, Sept. 13.
- Hamilton, Alfred E., Pittsburgh, Pa. Apparatus for grinding. 2,483,277, Sept. 27.
- Hamilton, Alfred E., Pittsburgh, Pa. Grinding roll. 2,483,278, Sept. 27.
- Hamilton, Alfred E., Pittsburgh, Pa. Grinding apparatus. 2,483,279, Sept. 27.
- Hamilton, Arthur S., Jr., Brighton, N. Y. Monorail conveyor and chain therefor. 2,479,680, Aug. 23.
- Hamilton, Arthur S., Jr., Greece, N. Y. Detachable pipe coupling. 2,482,175, Sept. 20.
- Hamilton, Bertis F., assignor to Hamilton Manufacturing Corporation, Columbus, Ind. Metal furniture. 2,471,740, May 31.
- Hamilton, Burton C., Brookline, Mass. Photographic accessory. 2,482,479, Sept. 20.
- Hamilton, Charles W. F., Fairlie, New Zealand. Machine for earth-working, log-lifting, stock-piling, or the like. 2,483,006, Sept. 27.
- Hamilton, Clarence R., Roseville, Calif. Hatch cover operating device. 2,473,098, June 14.
- Hamilton, George G., Maplewood, N. J. Fabricated bearing or pillow block for shafts. 2,466,543, Apr. 5.
- Hamilton, Harry S., United States Air Forces. Litter loading device. 2,462,096, Feb. 22.
- Hamilton, Horace, assignee: *See*—
Hurley, Walter G.
- Hamilton, Jack I., Essex Fells, N. J., assignor to Curtiss-Wright Corporation. Pitch controlling system for propeller blades. 2,471,953, May 31.
- Hamilton, James O., Dundalk, and L. J. Rozankowski, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing adjustable resistances. 2,469,465, May 10.
- Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Paper cup having a pouring lip extending outwardly from sidewall. 2,459,073, Jan. 11.
- Hamilton, Lawrence E., Holly Hill, Fla. Binocular shutter mechanism. 2,461,379, Feb. 8.
- Hamilton, Lyle A., Pitman, and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of tri-(beta-aminoethyl)-amine and beta-diketones or hydroxy methylene ketones. 2,461,894, Feb. 15.
- Hamilton, Mahlon A., Valley Stream, N. Y. Implement for feeding electrical currents. 2,465,722, Mar. 29.
- Hamilton Manufacturing Company, assignee: *See*—
Froelich, George E.
Hamilton, Bertis F.
Merrett, Earle E.
- Hamilton, Matthew E., and P. W. Morrissey, assignors to J. I. Case Company, Racine, Wis. Combine having sidehill platform adjustments. 2,488,592, Nov. 22.
- Hamilton, Robert M., and E. Yanovsky, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Mixed allyl ethers of starch. 2,463,869, Mar. 8.
- Hamilton, Roy C., San Francisco, and E. S. Rothchild, San Mateo, assignors to Rodpak Manufacturing Co., San Francisco, Calif. Seal. 2,459,642, Jan. 18.
- Hamilton, Tolbert, Oakland, Calif. Trailer caster. 2,468,627, Apr. 26.
- Hamilton, Tolbert, Oakland, Calif. Centrifugal amalgamator. 2,472,475, June 7.
- Hamilton, Vivian E. Jr., Shreveport, La. Lawn edging implement. 2,485,877, Oct. 25.

- Hamilton Watch Company, assignee: *See*—
Carlstrom, Elis F.
Mentzer, Ralph B.
Vermot, Henri E.
Weaver, Harry D.
- Hamilton, William, Frimley Green, England. Formwork for molding concrete columns and the like. 2,475,890, July 12.
- Hamilton, William F., Altadena, assignor to F. M. Turnbull, Los Angeles, Calif. Surgical dressing. 2,481,419, Sept. 6.
- Hamilton, William F., Altadena, and M. F. George, Jr., and E. Simon, assignors to F. M. Turnbull, Los Angeles, Calif. Reaction products of p-aminobenzenesulfonamides and vasoconstrictor amines. 2,478,191, Aug. 9.
- Hamisch, Paul H.: *See*—
Sampson, Frederick W., and Hamisch.
- Hamister, Victor C., Lakewood, Ohio, assignor to National Carbon Company, Inc. Electrode connecting pin. 2,482,176, Sept. 20.
- Hamlin, Marston L., Lynbrook, N. Y. Master clock. 2,482,061, Sept. 13.
- Hamlin Metal Products Company, The, assignee: *See*—
Walklet, Mercer D.
- Hamm, Clarence L., Marblehead, Mass., assignor to General Electric Company. Bobbin spindle. 2,471,816, May 31.
- Hamm, Douglas W., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Steel piston ring. 2,484,288, Oct. 11.
- Hamm, Homer A., assignor to Eversharp, Inc., Chicago, Ill. Composition of matter. 2,486,744, Nov. 1.
- Hamman, Fred I., Davis, and Lahah Lint, Oakland, Calif. Rain chap. 2,483,136, Sept. 27.
- Hammann, Carl F., Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Actuating device. 2,477,599, Aug. 2.
- Hammann, Carl F., Boston, assignor to North American Research Corporation, Cambridge, Mass. Machine for applying plastic material. 2,485,595, Oct. 25.
- Hammann, Carl F., Boston, assignor to North American Research Corporation, Cambridge, Mass. Shoe jack. 2,485,596, Oct. 25.
- Hammarsjö, Erik A., assignor to Eifon & Co Ltd Aktiebolag, Stockholm, Sweden. Apparatus for use in attaching soles to the uppers of boots and shoes. 2,484,289, Oct. 11.
- Hammel, Clifford M., Winchester, assignor to Serdex, Inc., Boston, Mass. Chronometric electronic radiosonde system. 2,468,703, Apr. 26.
- Hammel-Dahl Company, assignee: *See*—
Dahl, Edward T.
- Hammell, Kemper M., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Automatic air shutoff and draft control for oil burners. 2,459,815, Jan. 25.
- Hammell, Kemper M., and E. J. Balluff, assignors to Eureka Williams Corporation, Detroit, Mich. Embedded heating element and making the same. 2,458,471, Jan. 4.
- Hammer, Bernard W.: *See*—
Horneman, Herman C., Hussong, and Quam, and Hammer.
- Hammer, Charles E., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Rotary switch. 2,468,974, May 3.
- Hammer, Irving P., Verona, and J. B. Rust, East Hanover, assignors of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Polymerization process in aqueous thiocyanate solutions. 2,486,943, Nov. 1.
- Hammer, Otto, Whittier, Calif. Oilwell casing scraper. 2,464,390, Mar. 15.
- Hammer, Samuel, New York, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Shelf support combination and cabinet. 2,489,708, Nov. 29.
- Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Enclosed safety switch. 2,467,307, Apr. 12.
- Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,480,410, Aug. 30.
- Hammerly, Herman J., and R. A. Salomone, assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric connector of the puller type. 2,479,234, Aug. 16.
- Hammers, Incorporated, assignee: *See*—
Hammers, William P.
- Hammers, William P., assignor to Hammers, Incorporated, Detroit, Mich. Speed nut tool. 2,470,891, May 24.
- Hammerstein, Arthur, Palatine, Ill. Dispenser with slitted resilient diaphragm. 2,473,707, June 21.
- Hammerstrom, Karl R., Dormont, Pa., assignor to United States Steel Corporation of Delaware. Double truck mine car body. 2,473,946, June 21.
- Hammerstrom, Karl R., Pittsburgh, Pa., assignor to United States Steel Corporation of Delaware. Railway car truck. 2,476,660, July 19.
- Hammes, Alfred D., Schenectady, N. Y., assignor to General Electric Company. Variable limit switch. 2,492,745, Dec. 27.
- Hammett, Leo: *See*—
Derry, Floyd H., and Hammett.
- Hammond, Alice S., assignee: *See*—
Hammond, Claude G.
- Hammond, Claude G., assignor to A. S. Hammond, Athens, Ga. Stabilized natural soil composition. 2,469,356, May 10.
- Hammond, Donald, assignee: *See*—
Patterson, Wallace M., and Hammond.
- Hammond, Edmund B., Jr., Floral Park, N. Y., assignor to The Sperry Corporation. Spring suspension for gyroscopes. 2,484,823, Oct. 18.
- Hammond, Homer S., Madison, Wis. Portable motor mounting. 2,470,554, May 17.
- Hammond Instrument Company, assignee: *See*—
Hammond, Laurens.
Hammond, Laurens, and Hanert.
Hanert, John M.
Plummer, Fred L.
- Hammond Iron Works, assignee: *See*—
Hanert, John M.
- Hammond, John H., Jr., assignee: *See*—
Trenor, Albert D.
- Hammond, John H., Jr., Gloucester, Mass. Apparatus for producing reentrant magnetic records. 2,475,742, July 12.
- Hammond, Joseph, Rockford, Ill. Chuck. 2,477,600, Aug. 2.
- Hammond, Laurens, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,480,131, Aug. 30.
- Hammond, Laurens, Chicago, and J. M. Hanert, Park Ridge, assignors to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,480,132, Aug. 30.
- Hammond Machinery Builders, assignee: *See*—
Perkins, Henry G.
- Hammond Machinery Builders, Inc., assignee: *See*—
Krueger, Edward C.
Sutton, Donald E.
- Hammond, Milton B., Edgeworth, and R. S. Komarnitsky, assignors to Standard Steel Spring Company, Coraopolis, Pa. Polishing apparatus. 2,480,238, Aug. 30.
- Hammond, Richard N.: *See*—
Harch, Raymond S., and Hammond.
- Hammond, Thomas F., West Haven, Conn. Wind gauge and weathervane. 2,491,176, Dec. 13.
- Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Cyclic process for producing perchlorates and chlorites of different metals. 2,489,571, Nov. 29.
- Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Production of perchlorates and chlorine dioxide. 2,489,572, Nov. 29.
- Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Producing chlorates and chlorites of different metals. 2,489,573, Nov. 29.
- Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Production of perchlorates and chlorine dioxide. 2,489,574, Nov. 29.
- Hampel, Clifford A., Harvey, assignor to Cardox Corporation, Chicago, Ill. Production of chlorates and chlorites of different metals. 2,489,575, Nov. 29.
- Hampshire, Robert A., West Caldwell, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Null measuring bridge. 2,474,245, June 28.
- Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Refining process for rosin. 2,492,145, Dec. 27.
- Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Refining polymerized rosin. 2,492,146, Dec. 27.
- Hampton, Charlotte, Nashville, Tenn. Sanitary pillow covering. 2,460,452, Feb. 1.
- Hampton, Durward B., Sebastopol, Calif. Trap. 2,459,160, Jan. 18.
- Hampton, Joe E., assignee: *See*—
Purvis, Thomas A.
- Hampton, Leon N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical element supporting means. 2,476,294, July 19.
- Hampton William H., Berkeley, and V. R. Smith, El Cerrito, assignors to California Research Corporation, San Francisco, Calif. Protecting cellulosic material. 2,479,235, Aug. 16.
- Hamren, Joseph O., Minneapolis, Minn. Oscillating vane rotary pump. 2,460,821, Feb. 8.
- Hamstrom, Walter P., Seattle, Wash. Leg support device. 2,473,947, June 21.
- Hana, Thomas C., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Arrangement for measuring duty cycle. 2,477,370, July 26.
- Hanafin, Bernard M., Kew Gardens, assignor to W. A. Baum Co., Inc., New York, N. Y. Sphygmomanometer cuff. 2,481,924, Sept. 13.
- Hanback, Frank G., Alleghany, N. Y. Wheeled toy. 2,492,040, Dec. 20.
- Hanby, Oscar H., Grandview, Wash. Can opener. 2,484,504, Oct. 11.
- Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Saving power. 2,460,883, Feb. 8.
- Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Timing circuit. 2,490,960, Dec. 13.

- Hancock, Chester F., Primos, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchange apparatus. 2,467,741, Apr. 19.
- Hancock, Fred H. C., assignee: *See*—Knowles, George F.
- Hancock, James C., Roanoke, Va. Foldable reel. 2,461,979, Feb. 15.
- Hancock, Muriel K., assignee: *See*—Knowles, George F.
- Hancock, Peter F.: *See*—Robiette, Alfred G., Evans, and Hancock.
- Hancock, Stewart F., assignee: *See*—Allen, Harold F.
- Hancock, William H., Los Angeles, Calif. Automatic multiple color printing plate and inking means. 2,467,128, Apr. 12.
- Hand, David B., Scarsdale, and J. G. Brereton, Larchmont, N. Y., and O. W. Kaufmann, Hartford, Conn., assignors to Sheffield Farms Company, Inc., New York, N. Y. Amino acid compositions and their preparation. 2,489,880, Nov. 29.
- Hand, James F., Hudson, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. N-thio amine vulcanization agents for butadiene copolymers. 2,490,518, Dec. 6.
- Hand, James W., Jr.: *See*—Wasson, Jones I., and Hand, Jr.
- Hand, Percy G. E., North Ferriby, and L. Proctor, Brough, England, assignors to Blackburn and General Aircraft Limited. Arrestor gear for aircraft. 2,479,927, Aug. 23.
- Hand, Stanley E., Waltham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Split-phase induction motor control. 2,489,637, Nov. 29.
- Handel, Oscar C., Kansas City, Kans. Door-cupboard and tray. 2,462,743, Feb. 22.
- Handel, Stanley T., Essex, Conn. Device for feminine hygiene. 2,484,290, Oct. 11.
- Handler, Charles, assignee: *See*—Green, Martin.
- Handley Brown Heater Company, assignee: *See*—Handley, Harold E.
- Handley, Harold E., assignor to Handley Brown Heater Company, Jackson, Mich. Water heater conversion unit. 2,459,816, Jan. 25.
- Handley, Harold E., Jackson, Mich. Water heater. 2,487,705, Nov. 8.
- Handley, Harold E., Jackson, Mich. Mount for gas burners. 2,490,127, Dec. 6.
- Handley, John, London, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Totalisator system. 2,479,681, Aug. 23.
- Handley, William C., Chicago, Ill. Spring hobbyhorse. 2,463,268, Mar. 1.
- Handloser, Edward J., Chesapeake, Ohio. Banjo head tightener. 2,469,643, May 10.
- Handschin, Max, Zurich, assignor to Ipsophon Patentgesellschaft A.-G., Glarus, Switzerland. Arrangement for switching on and initiating processes by means of telephone calls. 2,489,638, Nov. 29.
- Handwerk, Erwin C., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Basic lead sulfate. 2,488,398, Nov. 15.
- Handy, George A., assignor to Wingfoot Corporation, Akron, Ohio. Wheel and tire assembly. 2,488,864, Nov. 22.
- Handy & Harman, assignee: *See*—Lench, Robert H.
- Haneiko, John G., East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control system for direct-current motors. 2,488,536, N. v. 22.
- Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,468,062, Apr. 26.
- Hanert, John M., Wilmette, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,478,867, Aug. 9.
- Hanert, John W.: *See*—Hammond, Laurens, and Hanert.
- Hanes, Dale, assignor of one-half to R. Hanes, Renton, Wash. Toolholder. 2,468,195, Apr. 26.
- Hanes, Rossie, assignee: *See*—Hanes, Dale.
- Hanff, Bernard H., Jr., New York, N. Y. Tethered ball projector for bowling games. 2,490,802, Dec. 13.
- Hanff, Edward A., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa. Emergency stop mechanism. 2,483,828, Oct. 4.
- Hanford, Russell E.: *See*—Light, George G., and Hanford.
- Hanford, William E.: *See*—Sargent, Donald E., and Hanford.
- Hanford, William E., Easton, Pa., and J. R. Roland, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Tetrafluoroethylene copolymers. 2,468,664, Apr. 26.
- Hanford, William E., Easton, Pa., J. R. Roland, and W. E. Mochel, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers from ethylene and branched chain vinyl esters. 2,473,996, June 21.
- Hanford, William E., Short Hills, N. J., and R. M. Joyce, Jr., Holly Oak, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of polymerizable mono-olefinic hydrocarbons in the presence of saturated aliphatic esters of inorganic oxy acids of phosphorus, sulfur, and silicon. 2,478,390, Aug. 9.
- Hanisch, Arthur, assignee: *See*—Walliser, Robert E.
- Hank, Frederick B., Rutherford, N. J. Train warning signal light. 2,477,299, July 26.
- Hanke, Gustav, assignee: *See*—Larsen, Victor A.
- Hanke, Reynold E., Chicago, Ill. Canvas cutter and butt joiner. 2,483,092, Sept. 27.
- Hankins Container Company, The, assignee: *See*—Miessler, Paul W.
- Hankins, Cyrus, Washington, D. C. Railway car wall brace. 2,464,080, Mar. 8.
- Hanley, Edward J., Port Ewen, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Delay electric initiator. 2,475,281, July 5.
- Hanley, Edward J., Port Ewen, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Electric initiator device and ignition composition. 2,476,370, July 19.
- Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Teletypewriter permutation code signal combination counter. 2,481,112, Sept. 6.
- Hanley, Frank H., Detroit, Mich. Automobile rear-vision window control compartment. 2,492,282, Dec. 27.
- Hanley, John A.: *See*—Knudsen, Percy E., and Hanley.
- Hanley, John A., Noroton, Conn. Small electric motor. 2,476,600, July 19.
- Hanley, Stanley M., assignee: *See*—Bixby, William H.
- Hanlon & Goodman Co., assignee: *See*—Eisner, Robert S.
- Eisner, Robert S., and Schoenholz.
- Hanlon, Martin J., Cleveland, Ohio. Tractor-trailer drive coupling. 2,485,878, Oct. 25.
- Hanna, Clinton R.: *See*—Frish, Erling, Hanna, and Osbon.
- Hanna, Clinton R., and S. J. Mikina, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frictional servomotor. 2,476,861, July 19.
- Hanna, Clinton R., Pittsburgh, and L. B. Lynn, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gyro-controlled servomotor system. 2,480,574, Aug. 30.
- Hanna, Edward J., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for the heat processing of canned products. 2,472,970, June 14.
- Hanna Engineering Works, assignee: *See*—Hanna, John C.
- Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Pneumatic shock absorbing cylinder. 2,484,883, Oct. 18.
- Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Hydraulic transformer. 2,484,884, Oct. 18.
- Hanna, Merrill O., Dabrin, Victoria, Australia. Forging or upsetting of metal rods or bars using electric resistance heating. 2,473,245, June 14.
- Hanna, Raymond P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conductor device. 2,479,352, Aug. 16.
- Hanna, Raymond P., Pittsburgh, and L. F. Brahmer, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conductor support. 2,491,973, Dec. 20.
- Hanna, William T., Cincinnati, Ohio. Device for controlling the swing of trailer vehicles. 2,461,212, Feb. 8.
- Hannay, Clifford B., assignor to Clifford B. Hannay & Son, Inc., Westerly, N. Y. Hose reel. 2,490,353, Dec. 6.
- Hannay, Clifford B., & Son, Inc., assignee: *See*—Hannay, Clifford B.
- Hanneman, Robert G., assignor to Air-Maze Corporation, Cleveland, Ohio. Liquid filter. 2,472,012, May 31.
- Hanno, Tore V., Stora Essingen, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal bowl with reciprocating valve for separating sludge-containing liquids. 2,467,742, Apr. 19.
- Hannon, Cyril H., and A. L. Jenny, Pittsfield, Mass., assignors to General Electric Company. Switch contact. 2,469,878, May 10.
- Hannum, Clement E., Chicago, Ill. Camera with varisize focal plane aperture. 2,460,174, Jan. 25.
- Hannum, Marvin R., assignee: *See*—Williams, Chester.
- Hanopol, Louis, Jamaica Plain, assignor to A. L. A., and L. Deutschmann, and H. W. Gordon, doing business as Technical Apparatus Company, Roxbury, Mass. Testing socket. 2,458,993, Jan. 11.
- Hanovia Chemical and Mfg. Company, assignee: *See*—Bird, Lester F.
- Hanovia Chemical and Manufacturing Company, assignee: *See*—Anderson, William T., Jr.
- Bird, Lester F.
- Clark, Franklin.
- Hanrahan, Emery M., Kenosha, and W. A. Mertins, Racine, Wis. Tape printing machine. 2,482,542, Sept. 20.

- Hans, Edmond E., Detroit, Mich. Air freshening system. 2,476,295, July 19.
- Hans, Edmund E., Detroit, Mich. Carburetor. 2,480,853, Sept. 6.
- Hanse, Robert W.: *See—*
Ewer, Arthur C., and Hanse.
- Hansel, Carl W., Bedford, England. Optical projection apparatus for daylight projection and demonstration. 2,484,505, Oct. 11.
- Hansel, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Interference reducing radio pulse receiver. 2,467,308, Apr. 12.
- Hansel, Paul G., Red Bank, N. J. Direction finding system. 2,475,612, July 12.
- Hansel, Paul G., Red Bank, N. J. Radio direction finder. 2,476,977, July 26.
- Hansel, Paul G., Red Bank, N. J. Directional system. 2,481,509, Sept. 13.
- Hansel, Paul G., Red Bank, N. J. Radio direction finding method and apparatus. 2,484,824, Oct. 18.
- Hansel, Paul G., Red Bank, N. J. Navigation system. 2,490,050, Dec. 6.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Cathode-ray oscilloscope. 2,459,319, Jan. 18.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulated wave signaling. 2,465,448, Mar. 29.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse modulation signaling system. 2,470,698, May 17.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-speed telegraphy signal recorder. 2,474,049, June 21.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Apparatus for handling telegraph messages with a plastic tape. 2,476,862, July 19.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse system. 2,478,920, Aug. 16.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Device for reducing thickness of thin sheet material. 2,479,353, Aug. 16.
- Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Power convertor system. 2,483,766, Oct. 4.
- Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Calibrating peak current meter. 2,472,013, May 31.
- Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Pulse type multiplex communication system. 2,478,919, Aug. 16.
- Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Measuring of high-frequency power. 2,481,589, Sept. 13.
- Hansell, Erik B., East Hartford, Conn., assignor to General Electric Company. Piezoelectric crystal holder. 2,488,290, Nov. 15.
- Hanselman, Mabel J., San Diego, Calif. Combination grate holder and pan. 2,475,319, July 5.
- Hansen, Aase H., New York, N. Y. Brow engaging eyeglass. 2,478,921, Aug. 16.
- Hansen, Albert, Jr., Nahant, Mass., assignor to General Electric Company. Hall effect converter. 2,464,807, Mar. 22.
- Hansen, Carl E., Hicksville, N. Y., and J. W. Juvinal, La Grange Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling and sealing glass and metal parts. 2,480,364, Aug. 30.
- Hansen, Carlos, Resistencia, Chaco, Argentina. Apparatus for transmission of radiotelegraphic signals relating to sea or river levels at the site of installation. 2,466,099, Apr. 5.
- Hansen, Charles, Ventura, assignor to Shell Development Company, San Francisco, Calif. Testing casing heads. 2,478,628, Aug. 9.
- Hansen, Charles W.: *See—*
Krause, Norman R., and Hansen.
- Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Silo filler and grain blower. 2,488,626, Nov. 22.
- Hansen, Christine, Racine, Wis. Match book, vest pocket size. 2,461,380, Feb. 8.
- Hansen, Clarence K., Racine, Wis. Safety device for firearms. 2,478,098, Aug. 2.
- Hansen, Donald W., assignor to A. E. Staley Manufacturing Co., Decatur, Ill. Manufacture of corn products. 2,472,971, June 14.
- Hansen, Donald W., L. O. Gill, and J. H. Wrightsman, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Modification of starch. 2,464,081, Mar. 8.
- Hansen, Elmer F., Marblehead, Mass., assignor to General Electric Company. Electric contact device. 2,461,680, Feb. 15.
- Hansen, Francis F., Pittsburgh, Pa. Baking preparation and process. 2,463,870, Mar. 8.
- Hansen, Fred, assignee: *See—*
Hansen, Harry.
- Hansen, Fred G., Toledo, Ohio. Machine tool working head. 2,461,732, Feb. 15.
- Hansen, Georg M., Fiskaa, near Kristiansand, assignor to Elektrokemisk A/S, Oslo, Norway. Breaking up the charge in electric smelting furnaces. 2,473,681, June 21.
- Hansen, Hans E., New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive for moving stairways. 2,491,974, Dec. 20.
- Hansen, Harold, Fresno, Calif. Record sheet supporting device. 2,459,523, Jan. 18.
- Hansen, Harold R. and H. S., Menomonie, Wis. Hosiery support. 2,467,380, Apr. 19.
- Hansen, Harold, and L. Seefeldt, assignors to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Pressure indicator and control valve. 2,485,380, Oct. 18.
- Hansen, Harriet S.: *See—*
Hansen, Harold R. and H. S.
- Hansen, Harry, assignor of one-half to F. Hansen, Moss, Norway. Beating apparatus. 2,483,280, Sept. 27.
- Hansen, Ingwald B.: *See—*
Kleppen, Emil, and Hansen.
- Hansen, James W., and C. C. Cassil, Berkeley, assignors to California Spray-Chemical Corporation, Richmond, Calif. Cyclopropyl furyl propenone. 2,470,349, May 17.
- Hansen, Johannes, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Method and means for operating high voltage static current converters using ionic valves. 2,485,198, Oct. 18.
- Hansen, John N., Albert Lea, Minn., assignor to The Dow Chemical Company, Midland, Mich. Sulfonium methosulfates. 2,460,223, Jan. 25.
- Hansen, John R., assignor to Dultmeier Manufacturing Company, Manning, Iowa. Wagon tongue. 2,467,477, Apr. 19.
- Hansen, John T., Suring, Wis. Finger-tip safety ejector for guns. 2,468,196, Apr. 26.
- Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass frame construction. 2,490,868, Dec. 13.
- Hansen, Klaus L., Milwaukee, Wis. Rectifier and transformer unit. 2,460,006, Jan. 25.
- Hansen, Lloyd D.: *See—*
Anderson, Chester W., Hansen, and Overmyer.
- Hansen Manufacturing Company, assignee: *See—*
Hansen, William L., and Hush.
- Hush, James M.
- Hansen Manufacturing Company, Inc., assignee: *See—*
Bench, David E.
- Hansen, William L., and Hurst.
- Richardson, Lloyd D.
- Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Weight scale. 2,483,700, Oct. 4.
- Hansen, Merrill E., Silver Lake, and E. A. Yount, assignors to American Anode Inc., Akron, Ohio. Apparatus for maintaining the homogeneity of fluid materials. 2,488,773, Nov. 22.
- Hansen, Niels B., Phoenix, Ariz. Adapter for pliers. 2,474,940, July 5.
- Hansen, Odd A., Kenmore, assignor to The Linde Air Products Company, New York, N. Y. Apparatus for and method of dispensing liquefied gases. 2,479,070, Aug. 16.
- Hansen, Odd A., and W. J. Anderson, Kenmore, N. Y., assignors to The Linde Air Products Company. Portable container for liquefied gases. 2,467,428, Apr. 19.
- Hansen, Odd A., and G. H. Smith, Kenmore, N. Y., assignors to The Linde Air Products Company. Apparatus and method for filling gas storage cylinders. 2,469,434, May 10.
- Hansen, Philip E. G.: *See—*
Shaffer, Charles, Hansen, and Schimmoller.
- Hansen, William L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Electric motor. 2,465,224, Mar. 22.
- Hansen, William L., Princeton, Ind., and J. M. Hush, Dayton, Ohio, assignors to Hansen Manufacturing Company, Princeton, Ind. Synchronous motor. 2,483,539, Oct. 4.
- Hansen, William L., and I. N. Hurst, assignors to Hansen Manufacturing Company, Inc., Princeton, Ind. Speed control mechanism for electric motors. 2,487,543, Nov. 8.
- Hansen, William W.: *See—*
Ginzton, Edward L., Hansen, and Varian.
- Woodyard, John R., and Hansen.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Broad band antenna. 2,472,106, June 7.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Doppler radar system. 2,479,568, Aug. 23.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency tube structure. 2,480,133, Aug. 30.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Broad band antenna. 2,482,767, Sept. 27.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency bridge circuit. 2,484,028, Oct. 11.
- Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Frequency multiplier and stabilization cavity resonator apparatus. 2,487,800, Nov. 15.

- Hansen, William W., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Radiating electromagnetic wave guide and resonator. 2,489,288, Nov. 29.
- Hansen, William W., and R. H. Varian, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Radiating electromagnetic resonator. 2,460,286, Feb. 1.
- Hansen, William W., Garden City, and R. H. Varian, Wantagh, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Radiating electromagnetic resonator. 2,460,287, Feb. 1.
- Hansen, William W., and R. H. Varian, Garden City, N. Y., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Resonator apparatus. 2,460,288, Feb. 1.
- Hansen, William W., R. H. Varian, and S. F. Varian, Garden City, N. Y., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. High-frequency apparatus and method. 2,464,229, Mar. 15.
- Hansen, William W., Garden City, and R. H. Varian, Bellmore, N. Y., assignors to The Sperry Corporation. Object detecting and locating system. 2,468,751, May 3.
- Hansen, William W., and S. F. Varian, Garden City, and R. H. Varian, Wantagh, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Electronic oscillator-detector. 2,468,928, May 3.
- Hansen, William W., Garden City, and R. H. Varian, Wantagh, N. Y., assignors to The Sperry Corporation. High-frequency modulating system. 2,482,766, Sept. 27.
- Hansen, William W., and R. H. Varian, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency modulating system. 2,482,768, Sept. 27.
- Hansford, Rowland C.: See—
Glassbrook, Clarence I., and Hansford.
- Hansford, Rowland C., Woodbury, and P. D. Caesar, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of thiophene. 2,469,823, May 10.
- Hanshaw, Ernest: See—
Kellogg, Warren C., and Hanshaw.
- Hanshaw, Hugh H.: See—
Harris, George W., and Hanshaw.
- Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Partial reduction of polycyclic aromatic hydrocarbons. 2,473,997, June 21.
- Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkali metal dispersions and preparing the same. 2,487,333, Nov. 8.
- Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkali metal dispersions and preparing the same. 2,487,334, Nov. 8.
- Hanson, Adolph N., Coulee Dam, Wash. Spud wrench holder. 2,469,386, May 10.
- Hanson, Alden W., assignor to The Dow Chemical Company, Midland, Mich. Storage battery separator of polystyrene fiber. 2,482,062, Sept. 13.
- Hanson, Alden W., assignor to The Dow Chemical Company, Midland, Mich. Extrusion machine. 2,488,189, Nov. 15.
- Hanson, Austin M., N. E. Rodgers, and R. E. Meade, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Enhancing the yield of yeast in a whey medium. 2,465,870, Mar. 29.
- Hanson, Clarence O., Rock Island, Ill. Hydraulic action center gauge. 2,481,420, Sept. 6.
- Hanson, Donald R., assignee, as trustee: See—
Noble, Warren.
- Hanson, Earl C., Cleveland, Ohio, and D. E. Watts, De Witt, N. Y., assignors to General Electric Company. High-frequency corona arc heating apparatus. 2,465,093, Mar. 22.
- Hanson, Edward, Cleveland, assignor of one-tenth to G. B. Pitts, Cleveland Heights, Ohio. Packing lubricating system. 2,466,025, Apr. 5.
- Hanson, Edward S., Jr., Racine, Wis. Cam-actuated plier wrench with wedge adjustment. 2,461,272, Feb. 8.
- Hanson, Eric W., Celoron, N. Y. Fishing reel. 2,462,958, Mar. 1.
- Hanson, Estyle D., Baltimore, Md. Rotary turbine type fluid coupling. 2,471,212, May 24.
- Hanson, Estyle D., G. E. Henning, and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Twisting apparatus. 2,479,928, Aug. 23.
- Hanson, Frank E.: See—
Richa, John H., and Hanson.
- Hanson, Frederick C., Cordova, assignor to Deere & Company, Moline, Ill. Belt-tightening device. 2,459,379, Jan. 18.
- Hanson, Hans A.: See—
Cochrane, Wallace M., and Hanson.
- Hanson, Henry H., Tyler, Tex. Flat crease shape holder. 2,491,309, Dec. 13.
- Hanson, James, Hudson, Mass. Moving target. 2,479,354, Aug. 16.
- Hanson, John F., Amherst, assignor to Raytheon Manufacturing Company, Newton, Mass. Directly heated cathode. 2,477,601, Aug. 2.
- Hanson, Lars, assignor to Carrier Corporation, Syracuse, N. Y. Shaft seal arrangement. 2,479,236, Aug. 16.
- Hanson, Ludwig P.: See—
Sherman, Roy E., and Hanson.
- Hanson, Merle E., Chicago, Ill. Tray moving apparatus. 2,459,524, Jan. 18.
- Hanson, Norman D., Bloomfield, N. J., assignor to Bakelite Corporation. Urea- or melamine-formaldehyde resin plasticized with polyacrylonitrile. 2,463,032, Mar. 1.
- Hanson, Per R., Winchester, and H. W. Ulmer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device seal. 2,460,575, Feb. 1.
- Hanson, Raymond A., Palouse, Wash. Level sensitive switch. 2,477,927, Aug. 2.
- Hanson Scale Company, assignee: See—
Hansen, Marius H.
- Hanson-Van Winkle-Munning Company, assignee: See—
Friedman, Arthur H.
- Hanson, Veb, Storrs, Conn. Shaft bearing. 2,491,558, Dec. 20.
- Hanson, Walter J.: See—
Rouan, Francis J., and Hanson.
- Hanson, Wesley T., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Mixed grain multilayer photographic film and process. 2,490,751, Dec. 6.
- Hanson, William E., Gibsonia, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Recovery of by-product acids. 2,470,849, May 24.
- Hansord, Arthur T., Minneapolis, Minn. Pulling tool for valve guide keepers. 2,464,132, Mar. 8.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Vacuum pump lubrication. 2,463,871, Mar. 8.
- Hapman, Hannah J., assignee: See—
Hapman, Henry W.
- Hapman, Henry W., assignor, by mesne assignments, of sixty per cent to H. W. Hapman and forty per cent to H. J. Hapman, Detroit, Mich. Material loss-preventing device for bucket conveyors. 2,476,039, July 12.
- Hapman, Henry W., assignor, by mesne assignments, of sixty per cent to H. W. Hapman and forty per cent to H. J. Hapman, Detroit, Mich. Flight conveyor. 2,476,040, July 12.
- Happ, James V., Flushing, N. Y. Repairman's creeper. 2,487,706, Nov. 8.
- Happe, Reynold, Pittstown, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dynamoelectric machine with integral connector boxes. 2,458,904, Jan. 11.
- Happe, Reynold, Pittstown, and E. P. Turner, Fanwood, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Chuck adapter for portable electric tools. 2,465,309, Mar. 22.
- Happe, Reynold, Pittstown, and E. P. Turner, Fanwood, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Air blower lubrication. 2,476,041, July 12.
- Happel, William E., assignor to Landis Tool Company, Waynesboro, Pa. Control system. 2,488,401, Nov. 15.
- Happel, William E., assignor to Landis Tool Company, Waynesboro, Pa. Control system. 2,488,402, Nov. 15.
- Happel, William E., assignor to Landis Tool Company, Waynesboro, Pa. Control system. 2,488,403, Nov. 15.
- Happoldt, William B., Jr., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flame retardant compositions. 2,480,298, Aug. 30.
- Haracz, Edward F., Clifton, N. J., assignor to Wright Aeronautical Corporation. Optical projection system for projecting tool and cutter profiles. 2,482,480, Sept. 20.
- Haraden, George A.: See—
Gillon, John W., and Haraden.
- Harbaugh, Max L., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction tank with flaker. 2,460,083, Jan. 25.
- Harber, Laurence S., Peterborough, England. Delivering flour or other powdered material. 2,491,177, Dec. 13.
- Harbers, Henry C., San Gabriel, assignor to H. F. and C. E. Cook, a copartnership, operating under the name and style of Cook Bros., Los Angeles, Calif. Mechanism for transferring a body from a trailer chassis to a truck chassis and vice versa. 2,478,658, Aug. 9.
- Harbison, Lawrence E., Globe, Ariz. Padlock. 2,482,177, Sept. 20.
- Harbison, Orville S.: See—
Palne, George L., and Harbison.
- Harbison-Walker Refractories Company, assignee: See—
Pike, Robert D.
Rechow, William F.
Yeager, Harry H., and Schob.
Young, Clair I.
- Harbord, Horace R., Tacoma, Wash. Sheet shearing and flanging machine. 2,468,947, Apr. 12.
- Harborne, Eric G., and G. H. Craig, Fort Worth, Tex. Toolholder. 2,477,058, July 26.
- Harby, Harold D., Los Angeles, Calif. Jet engine, including a combustion chamber to which gaseous fuel is delivered under pressure. 2,483,045, Sept. 27.
- Harcum, Harry H.: See—
Whitson, Mercer L., and Harcum.

- Hard, Herbert G., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Device for preventing cinder eruptions from blast furnaces. 2,482,709, Sept. 20.
- Hård af Segerstad, Carl G., assignor to Sandvikens Jernverks, Aktiebolag, Sandviken, Sweden. Apparatus for measuring small dimensional changes. 2,478,391, Aug. 9.
- Harden, Walker: *See—*
Smith, Howard E., and Harden.
- Hardenberg, Jan J. C., and W. Six, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coil having a ferrite core. 2,483,900, Oct. 4.
- Harder, Arthur J., Chicago, Ill. Clamp for cement form panels. 2,461,733, Feb. 15.
- Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator system. 2,482,481, Sept. 20.
- Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,488,399, Nov. 15.
- Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Toroidal coil-terminal bushing coupling power line and telephone circuit. 2,488,400, Nov. 15.
- Harder, Edwin L., and C. E. Valentine, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,473,882, June 21.
- Harder, Edwin L., and H. M. Rustebakke, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,482,482, Sept. 20.
- Hardesty, George K. C., Seat Pleasant, Md. Pressureproof gland. 2,466,026, Apr. 5.
- Hardesty, Ralph F., West Medford, assignor to Davidson Rubber Company, Charlestown, Mass. Fountain syringe. 2,483,636, Oct. 4.
- Hardgrave, Everett J., San Angelo, Tex., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Timer for switching from signaling device to the subscriber's ringer after selectable predetermined time. 2,481,840, Sept. 13.
- Hardick, Floyd W., assignor to R. P. Berry, Jackson, Mich. Target release actuator for toy cash registers. 2,458,850, Jan. 11.
- Hardick, Frederik A., Enschede, Netherlands. Shuttle for narrow weave looms. 2,470,981, May 24.
- Hardie, Charles A., Gretna, and F. M. Pennebaker, New Orleans, La. Faced monolithic building wall. 2,465,871, Mar. 29.
- Hardie, James B., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Shading coil. 2,481,113, Sept. 6.
- Hardie, James B., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Multiple shading coil assembly for electromagnetic devices. 2,490,905, Dec. 13.
- Hardin, Hubert W., assignor to Ed Friedrich, Inc., San Antonio, Tex. Open-top display refrigerator. 2,463,614, Mar. 8.
- Hardin, T. A., assignee: *See—*
Adams, William C.
- Harding, Archibald B., Stoneham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of patent leather and simulated patent leather. 2,485,967, Oct. 25.
- Harding, George D., Pittsfield, Mass., assignor to General Electric Company. Voltage doubler. 2,492,746, Dec. 27.
- Harding, George W., assignor to Automatic Draft and Stove Co., Inc., Lynchburg, Va. Thermostatically controlled heating system for tobacco barns and the like. 2,468,665, Apr. 26.
- Harding, Glen F., Ogden, Utah. Instrument having photoelectric cell and recording means for making eye measurements. 2,482,669, Sept. 20.
- Harding, Harry J.: *See—*
Harding, John H., and H. J.
- Harding, Hiram R., Baltimore, assignor of fifty per cent to H. E. Karr, Baltimore County, Md., and twenty-five per cent to L. C. Harding, Hopewell, Va. Locked coupling. 2,469,111, May 3.
- Harding, John H., generally known as Harry J. Harding, Philadelphia, assignor to C. H. Masland & Sons, Carlisle, Pa. Process of weaving pile fabric. 2,477,248, July 26.
- Harding, John H., generally known as Harry J. Harding, Philadelphia, assignor to C. H. Masland & Sons, Carlisle, Pa. Loom for weaving patterned pile fabrics. 2,477,249, July 26.
- Harding, Kenneth G.: *See—*
Le Ferre, Walter J., and Harding.
- Harding, Logan C., assignee: *See—*
Harding, Hiram R.
- Harding, Robert, Jr.: *See—*
Walling, Lawrence J.
- Harding, William E., Cincinnati, Ohio. Circuit means for telephone repeaters. 2,463,379, Mar. 1.
- Harding, William R.: *See—*
Kimball, Albert W., and Harding.
Schaeichlin, Walter, and Harding.
- Hardinge Brothers, Inc., assignee: *See—*
Evans, Leigh R.
Strom, David W.
- Hardison, Julian B., assignor to D. M. Harman, Burlington, N. C. Attachment for hosiery machines. 2,474,246, June 28.
- Hardisty, Henry L., assignor to K. C. Hardisty, Portland, Oreg. Flag and hanger therefor for use on loaded vehicles. 2,463,615, Mar. 8.
- Hardisty, Kittie C., assignee: *See—*
Hardisty, Henry L.
- Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Methylol dithionaphthoates. 2,469,824, May 10.
- Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Addition products of carbon bisulfide and amino-methylene-naphthols. 2,484,621, Oct. 11.
- Hardman, Frederick J.: *See—*
Jorgensen, Clarence H., Taylor, and Hardman.
- Hardman, James A., assignor to Utah Scientific Research Foundation, Logan, Utah. Motion transforming mechanism. 2,480,854, Sept. 6.
- Hardman, James G., Los Angeles, Calif. Folding stroller. 2,476,727, July 19.
- Hardman, Kenneth V., Montclair, N. J. Vulcanized depolymerized rubber composition and making. 2,486,782, Nov. 1.
- Hardman, Peck & Company, assignee: *See—*
Sauerland, Joseph.
- Hardstick, William H., Richmond, Ind., assignor to International Harvester Company. Speed governor for centrifuges. 2,465,154, Mar. 22.
- Hardt Foundation, assignee: *See—*
Hardt, Leo L.
- Hardt, Leo L., Chicago, Ill., assignor to Hardt Foundation. Antacid composition. 2,472,476, June 7.
- Hardwick, Christopher L., Cleveland, Tenn. Clamping means. 2,459,879, Jan. 25.
- Hardwick, Christopher L., Cleveland, Tenn. Oven door. 2,466,847, Apr. 12.
- Hardwick, Christopher L., Cleveland, Tenn. Oven door. 2,489,962, Nov. 29.
- Hardwick, Hindle, Inc., assignee: *See—*
Hastings, Donald F.
- Hardwick-Hindle, Inc., assignee: *See—*
Hastings, Donald F., and Winkler.
- Hardwick, Lee, assignee: *See—*
Browne, Paul W.
- Hardy, Arthur C., Wellesley, Mass., and E. C. Dench, West Hartford, Conn., assignor to Interchemical Corporation, New York, N. Y. Computing apparatus. 2,459,106, Jan. 11.
- Hardy, Arthur C., Wellesley, Mass., and E. C. Dench, West Hartford, Conn., assignors to Interchemical Corporation, New York, N. Y. Multiplying apparatus. 2,461,895, Feb. 15.
- Hardy, Carroll N.: *See—*
Schnoor, Frederick D., and Hardy.
- Hardy, Edgar E.: *See—*
Slocombe, Robert J., and Hardy.
Slocombe, Robert J., Hardy, and Saunders.
- Hardy, Elizabeth M.: *See—*
Hardy, William B. and E. M.
- Hardy, Gordon W., Cleveland Heights, Ohio. Hydraulic pressure transmitter. 2,471,619, May 31.
- Hardy, Gordon W., Cleveland Heights, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Propeller for aircraft. 2,487,239, Nov. 8.
- Hardy, Gordon W., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Propeller mechanism and control. 2,491,375, Dec. 13.
- Hardy, James A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Vibration damper. 2,478,335, June 14.
- Hardy, John V. E.: *See—*
Gresham, William F., and Hardy.
- Hardy, Lloyd A., Cambridge, and H. L. Waterman, Moline, Ill., assignors to International Harvester Company. Detachably mounting crop treating attachments to tractors. 2,477,980, Aug. 2.
- Hardy, Paul C., Portland, Oreg. Hammer. 2,462,959, Mar. 1.
- Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic wave direction indicator. 2,468,063, Apr. 26.
- Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Radiogoniometer. 2,468,064, Apr. 26.
- Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Radioelectric finding and telemetering system. 2,490,051, Dec. 6.
- Hardy, René J., Paris, France, assignor to Societe Francaise Radio-Electrique. System indicating the direction of variation of an electric quantity, and applications. 2,488,909, Nov. 22.
- Hardy, Russell F., Dayton, Ohio. Camping trailer. 2,459,026, Jan. 11.
- Hardy, Russell G., U. S. Navy. Metal casting apparatus. 2,476,296, July 19.
- Hardy, Vaughn H.: *See—*
Sullivan, Raymond H., Hardy, and Porter.
- Hardy, Vernal R.: *See—*
Stewart, Francis S., and Hardy.

- Hardy, William B. and E. M., Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Printing with sulfuric esters of leuco vat dyes. 2,466,656, Apr. 5.
- Hardy, William B. and E. M., Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Printing with sulfuric esters of leuco vat dyestuffs. 2,474,785, June 28.
- Hare, Donald G. C., Roslyn, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Inverse modulation detector. 2,480,575, Aug. 30.
- Hare, Donald G. C., Westport, Conn., assignor to The Texas Company, New York, N. Y. Radiation detector. 2,486,944, Nov. 1.
- Hare, Richard C., Grafton, assignor to Whitin Machine Works, Whitinsville, Mass. Bobbin clutch. 2,487,544, Nov. 8.
- Hare, Terence G., assignor to Saginaw Products Corporation, Saginaw, Mich. Rear wheel and sprocket assembly. 2,479,162, Aug. 16.
- Hare, Weston A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wet-spinning acrylonitrile polymers. 2,467,553, Apr. 19.
- Haren, Urban C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polishing wheel. 2,465,225, Mar. 22.
- Harer, Delmar C., Liberty, Pa. Stud extractor and making the same. 2,480,648, Aug. 30.
- Hargraves, Albert, Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread. 2,459,762, Jan. 18.
- Hargrett, Wilson W., Wyandotte, W. Trail, Dearborn, C. A. Kureth, Flat Rock, and G. Van Fleet, assignors to Hargretts Small Parts Machining, Wyandotte, Mich. Fixture. 2,491,559, Dec. 20.
- Hargretts Small Parts Machining, assignee: *See*—Hargrett, Wilson W., Trail, Kureth, and Van Fleet.
- Harinck, Peter J., Ferndale, Mich. Well drilling means. 2,485,826, Oct. 25.
- Haringx, Johannes A., Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for guiding thin film bands. 2,475,743, July 12.
- Harker, Arthur E., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container. 2,483,412, Oct. 4.
- Harker, David L., Madison, Wis., assignor to the United States of America as represented by the Secretary of Agriculture. Lifting hook for heavy containers. 2,478,192, Aug. 9.
- Harker, Donald C.: *See*—Baker, Benjamin F., and Harker.
- Harker, Hilbert J., Detroit, Mich., assignor to Purity Bakeries Service Corporation. Extracting device for bakery products. 2,462,021, Feb. 15.
- Harker, Ralph J., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade vibration absorber. 2,462,961, Mar. 1.
- Harker, Ralph J., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Blade vibration absorber. 2,462,962, Mar. 1.
- Harker, William E., Idaho Falls, Idaho. Combination electrical pickup and bridge for guitars and other instruments. 2,486,647, Nov. 1.
- Harkiso Corporation, assignee: *See*—Lloyd, Claire.
- Harkness, Joseph C.: *See*—Quinn, Robert G., and Harkness.
- Harkness, Joseph R., Schenectady N. Y., and E. F. Wargin, Barstow, Calif., assignors to General Electric Company. Ignition means for combustion chambers. 2,465,092, Mar. 22.
- Harlan, John L., Houston, Tex., assignor by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Resolving petroleum emulsions. 2,488,593, Nov. 29.
- Harless, Reginald F., Ossining, N. Y. Refrigerating device for the manufacture of frozen comestibles. 2,458,940, Jan. 11.
- Harless, Ronald L., assignee: *See*—Campbell, James R.
- Harley, Bertron G., Penn Yan, N. Y. Lawn mower. 2,477,453, July 26.
- Harley, Bertron G., Penn Yan, N. Y. Silencer with flattened corrugated gas passage. 2,484,826, Oct. 18.
- Harley, Bertron G., Penn Yan, N. Y. Baffle type muffler with corrugated casing. 2,484,827, Oct. 18.
- Harley, Earle L., Brooklyn, N. Y. Rotatable mirror means for registering flat-bed color printing elements with their corresponding fixed registry elements. 2,492,798, Dec. 27.
- Harlin Brothers, assignee: *See*—Harlin, J. D.
- Harlin, J. D., assignor to Harlin Brothers, Indianapolis, Ind. String musical instrument with chord tuning mechanism. 2,458,263, Jan. 4.
- Harlow, Max B.: *See*—Hoffman, Francis A., and Harlow.
- Harlow, Orman M., Anaheim, Calif., assignor, by mesne assignments, to M. W. Engelman, trustee. Apparatus for washing plant products. 2,467,888, Apr. 19.
- Harlow, William R., U. S. Navy. Combat camera having handgrip operating means. 2,472,823, June 14.
- Harlow, Winton G., Upper Darby, Pa., assignor to General Electric Company. Combined switch stud and fuse clip. 2,458,511, Jan. 11.
- Harlow, Winton G., Upper Darby, Pa., assignor to General Electric Company. Electric switch. 2,487,545, Nov. 8.
- Harm, George O., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Level-wind mechanism for magnetic recorders. 2,490,053, Dec. 6.
- Harman, David M., assignee: *See*—Hardison, Julian B.
- Harman, Emil I., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Drawer operated phonograph. 2,475,744, July 12.
- Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Formaldehyde condensation products of mercaptans and making same. 2,470,555, May 17.
- Harman, William H., Corporation, assignee: *See*—Essl, Max.
- Harmon, Carlyle: *See*—Salvesen, Jorcen R., Harmon, and Browning.
- Harmon, Cletus L.: *See*—Tierney, William J., and Harmon.
- Harmon, Glenn B., assignee: *See*—McManaway, Edward C.
- Harmon, Jesse: *See*—Roland, John R., and Harmon.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing aqueous emulsions of polyethylene. 2,462,390, Feb. 22.
- Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of vinylpyridines. 2,491,472, Dec. 20.
- Harmon, Ralph M., assignor to Beech Aircraft Corporation, Wichita, Kans. Shock absorber. 2,470,616, May 17.
- Harmon, William S.: *See*—Bassford, Henry H., Jr., Harmon, and Mahoney.
- Harmon, William S., Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Dehydration of compounds by distillation with hydrophobic oil. 2,474,735, June 28.
- Harnett, A. De Vere, Racine, Wis. Circuit connector. 2,463,033, Mar. 1.
- Harnett, A. De Vere, Racine, Wis. Circuit connector. 2,463,034, Mar. 1.
- Harney, William S., Jr.: *See*—Amick, Erwin H., Jr., and Harney, Jr.
- Harnischfeger Corporation, assignee: *See*—Andersen, Nils P. E. Brekelbaum, Erwin C. Burdick, Will S., and Jacobs. Hettelsater, Henry C. Jacobs, Henry S. Jacobs, Henry S., and Cherones. Oesterlein, William J.
- Haroldson, Victor J., assignee: *See*—Bottoni, Robert J.
- Harp, Lee R., Piqua, Ohio. Cabinet and towel rack. 2,489,774, Nov. 29.
- Harp, William D., assignee: *See*—Garrius, Robert O.
- Harper, Charles S., Philadelphia, Pa. Stopping holes in hull bottoms below the water line. 2,476,601, July 19.
- Harper, Elmer E., Monrovia, Calif.: E. P. Harper, executrix of E. E. Harper, deceased. Control valve. 2,459,700, Jan. 18.
- Harper, Elmer E., deceased, by E. P. Harper, executrix, Monrovia, Calif. Mechanical instrument holder. 2,459,701, Jan. 18.
- Harper, Elmer E., deceased, Monrovia, Calif.: E. P. Harper, executrix. Automatic apparatus for feeding liquid or gaseous materials. 2,469,230, May 3.
- Harper, Esther P., executrix: *See*—Harper, Elmer E.
- Harper, Henry, Fairbanks, Tex. Wheel adapter. 2,489,376, Nov. 29.
- Harper, Howard W., Bridgeport, Conn. Electric demand controller. 2,469,645, May 10.
- Harper, James I., Media, assignor to Sun Oil Company, Philadelphia, Pa. Alkylation of isoparaffins. 2,480,240, Aug. 30.
- Harper, Joseph J., Lansdowne, Pa. Valve. 2,481,214, Sept. 6.
- Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Gas burner having removable cap structures. 2,486,278, Oct. 25.
- Harper, Walter D., Florence, S. C. Automatic pneumatic pumping system. 2,467,934, Apr. 19.
- Harper, Walter D., Florence, S. C. Heat exchange system. 2,467,935, Apr. 19.
- Harper-Wyman Company, assignee: *See*—Harper, Philip S.
- Harpham, Walter, Hartford, N. J., assignor to L. Nachman & Sons, Philadelphia, Pa. Sewing machine for appliques. 2,476,602, July 19.
- Harrah, Charles J., Denver, Colo. Oil burner. 2,466,100, Apr. 6.
- Harred, George H., East Greenwich, R. I., assignor, by mesne assignments, to Bostitch, Inc. Apparatus for stacking and conveying objects. 2,466,544, Apr. 5.
- Harrel, Chastain G.: *See*—Kimball, Mary H., Harrel, and Brown.

- Harrell, Garland L., Hurst, Ill. Bomb. 2,457,817, Jan. 4.
 Harrell, William B., Groton, Conn. Bouncing skate. 2,475,092, July 5.
 Harrer, Paul H.: See—
 Scranton, Charles J., and Harrer.
 Harries, John H. O., London, England. Electron tube. 2,468,440, Apr. 26.
 Harries, John H. O., London, England. Cavity resonator electron tube. 2,468,441, Apr. 26.
 Harrigan, C. Herbert, Ridgewood, N. Y. W. Wetzold, Rochelle Park, G. F. Norcross, West Caldwell, and J. C. Van Riper, Radburn, assignors to J. H. Hays, Morristown, N. J. Spinning machine. 2,490,803, Dec. 13.
 Harrigan, Cornelius H., Ridgewood, assignor to J. H. Hays, Morristown, N. J. Antimariage roller. 2,481,998, Sept. 13.
 Harriman, David: See—
 Clark, Thomas, and Harriman.
 Harriman, Louis A.: See—
 Josh, George, Harriman, and Hopkins.
 Harriman, William R., assignee: See—
 Elder, Esther R.
 Harrington, Bertie S.: See—
 Meyers, Carl G., and Harrington.
 Harrington, Esther A., assignee: See—
 Elder, Esther R.
 Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Combined power transmission system, landing gear retracting motor, and wheel prerotating and braking device for aircraft. 2,489,411, Nov. 29.
 Harrington, Ferris T., Detroit, and J. Robinson, Huntington Woods, assignors to Vickers Incorporated, Detroit, Mich. Volume control system for pumps. 2,472,477, June 7.
 Harrington, George A., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of chlorotone. 2,462,389, Feb. 22.
 Harrington, John A., Minneapolis, assignor to Continental Machines, Incorporated, Savage, Minn. Water-cooled grinding wheel. 2,470,350, May 17.
 Harrington, Joseph, Riverside, Ill. Stove with imperforate fire pot. 2,466,170, Apr. 5.
 Harrington & King Perforating Company, The, assignee: See—
 Jorgensen, Hans L.
 Harrington, Lester B., assignor to Autopulse Corporation, Ludington, Mich. Electromagnetic motor. 2,488,723, Nov. 22.
 Harrington, Paul J.: See—
 Jackson, Robert M., and Harrington.
 Harrington, Robert C., Jr., Kingsport, Tenn. Electronic compass relay (reflector type). 2,480,134, Aug. 30.
 Harrington, William E., Beaumont, Tex. Cutting tool. 2,467,030, Apr. 12.
 Harrington, William J., assignor to Lukens Steel Company, Coatesville, Pa. Hoisting and lifting device. 2,471,323, May 24.
 Harris, Albert C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Harmonic class c amplifier. 2,469,598, May 10.
 Harris, Alexander, Scobeyville, assignor to Ronson Art Works, Inc., Newark, N. J. Shipping container. 2,486,711, Nov. 1.
 Harris, Alexander B., Jackson Heights, N. Y. Cigarette case. 2,483,460, Oct. 4.
 Harris, Alexander G., Bloomfield, N. J. Advertising display device. 2,483,901, Oct. 4.
 Harris, Arch W.: See—
 Avallone, Samuel C., Harris, and Whiting.
 Harris, Arch W., Cleveland, Ohio, and A. H. Ward, Pittsburgh, Pa., assignors to The American Steel and Wire Company of New Jersey and Carnegie-Illinois Steel Corporation. Metal coating. 2,459,161, Jan. 18.
 Harris, Arthur, Brooklyn, N. Y. Three-dimensional puzzle. 2,473,369, June 14.
 Harris, Benjamin R., assignor to The Emulsol Corporation, Chicago, Ill. Preparing dried egg products. 2,476,412, July 19.
 Harris, Benjamin R., assignor to The Emulsol Corporation, Chicago, Ill. Method and apparatus for cooling hot hygroscopic solids. 2,478,889, Aug. 16.
 Harris, Carl, Chicago, Ill. Bedrail. 2,465,091, Mar. 22.
 Harris, Carl C., assignor to The Slencil Co., Orange, Mass. Eraser for pencils. 2,482,273, Sept. 20.
 Harris, Carl C., assignor to The Slencil Co., Orange, Mass. Pencil-carrying memorandum pad or book. 2,486,840, Nov. 1.
 Harris, Carl C., and L. T. Bassett, assignors to The Slencil Co., Orange, Mass. Apparatus for successively displaying the foremost article from an assemblage of articles. 2,486,841, Nov. 1.
 Harris, Charles R., Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of hydrogen peroxide by the partial oxidation of alcohols. 2,479,111, Aug. 16.
 Harris, Clara, assignee: See—
 Muhly, Theodore H.
 Harris, Clinton L., Rushsylvania, Ohio. Combination ash and cigarette receptacle. 2,487,131, Nov. 8.
 Harris, Dayton G.: See—
 Tinkham, Michael, and Harris.
 Harris, Edward P.: See—
 Sampson, Frederick W., and Harris.
 Harris, Edward R., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of War. Shock testing device. 2,476,297, July 19.
 Harris, Erastus E., Wilmington, Del. Guide for cutting torches. 2,475,891, July 12.
 Harris, Ernest W., Detroit, Mich. Electrical distribution jack. 2,474,356, June 28.
 Harris, Frank, Orlando, Fla. Figured spinning toy. 2,458,851, Jan. 11.
 Harris, Fred E., Haverhill, Mass., and A. S. Hegeman, Jr., Glen Ridge, D. H. Mitchell, Cranford, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Angle measuring mechanism. 2,473,682, June 21.
 Harris, Frederic R., New York, N. Y. Water level indicator for floating dry docks. 2,470,850, May 24.
 Harris, Frederic R., New York, N. Y. Floating dry dock. 2,471,065, May 24.
 Harris, Frederic R., New York, N. Y. Operating and controlling apparatus for dry dock side walls. 2,472,295, June 7.
 Harris, George W., Mercer County, assignor of one-half to R. Miller, Matherville, Ill. Safety hanger. 2,460,453, Feb. 1.
 Harris, George W., Ransomville, N. C., and H. H. Hanshaw, Norfolk, Va. Combination automobile jack and engine starting device. 2,458,590, Jan. 11.
 Harris, Harry, Schenectady, N. Y. Combination adjustable plug and planer gauge. 2,465,449, May 29.
 Harris, Henry E.: See—
 Deiss, Emil W., and Harris.
 Harris, Henry H., Champagne, Ill. Work support. 2,462,960, Mar. 1.
 Harris, Henry L., Richland, Wash. Spring wheel. 2,458,941, Jan. 11.
 Harris, Herbert H., Sacramento, Calif. Armrest. 2,474,050, June 21.
 Harris, John, assignor to Birlec Limited, Erdington, Birmingham, England. Air conditioning apparatus. 2,486,472, Nov. 1.
 Harris, John W.: See—
 Breadner, Robert L., Simms, and Harris.
 Harris, Julius H., Dallas, Tex. Expendable razor. 2,471,620, May 31.
 Harris, Kenneth W., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Strip elongation indicator. 2,485,285, Oct. 18.
 Harris, Leonard B., and V. R. Pascale, New York, N. Y. Finger-grip shoe tree. 2,472,074, June 7.
 Harris, Manly S., San Francisco, Calif. Cargo lashing. 2,490,434, Dec. 6.
 Harris Manufacturing Company, assignee: See—
 Inskeep, Oliver W.
 Harris, Margaret L., Hamilton, Mont. Adjustable house dress. 2,470,031, May 10.
 Harris, Milton: See—
 Frishman, Daniel, and Harris.
 Harris, Owen H., Milwaukee, Wis. Abrasive belt. 2,479,929, Aug. 23.
 Harris, Phyllis L., assignee: See—
 Weinke, August F.
 Harris Products Company, assignee: See—
 Bradley, Dan T.
 Harris, Raymond R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Curing of copolymers. 2,467,526, Apr. 19.
 Harris, Raymond R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Acceleration of the cure of copolymers. 2,467,527, Apr. 19.
 Harris Research Laboratories, assignee: See—
 Frishman, Daniel, and Harris.
 Harris, Richard R., Ojus, Fla. Electronic timing device. 2,478,482, Aug. 9.
 Harris, Robert A., Oak Park, and C. C. Patton, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Composite structure for forming a seal with glass. 2,482,178, Sept. 20.
 Harris, Robert C., Fort Wayne, Ind. Electric generator. 2,471,741, May 31.
 Harris, Robert L., assignor to The Standard Oil Company, Cleveland, Ohio. Treatment of crude oil. 2,473,522, June 21.
 Harris, Samuel J., Fort Wayne, Ind., assignor by mesne assignments, to Farnsworth Research Corporation. Voltage multiplier circuit. 2,467,744, Apr. 19.
 Harris, Samuel J., Fort Wayne, Ind., assignor to Farnsworth Research Corporation. Catoptric projection system for flying spot scanning. 2,490,052, Dec. 6.
 Harris-Seybold Company, assignee: See—
 Harrold, Charles W., and Pritchard.
 Spiller, William R., and West.
 Harris-Seybold-Potter Company, assignee: See—
 Wood, William H.
 Harris, Sidney R., and G. Ashman, New York, N. Y. Bracelet. 2,482,584, Sept. 20.
 Harris, Stanton A.: See—
 Mozingo, Ralph, Harris, Arth., and Folkers.
 Harris, Stanton A., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Synthesis of vitamin B₆. 2,483,137, Sept. 27.

- Harris, Stanton A., Westfield, and G. E. Arth, assignors to Merck & Co., Inc., Rahway, N. J. 2-(4'-carboxybutyl)-3:4-di (acylamido)-4:5 dihydrothiophene and its esters. 2,459,817, Jan. 25.
- Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate. 2,460,224, Jan. 25.
- Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate. 2,460,225, Jan. 25.
- Harris, Stanton A., Westfield, and G. E. Arth, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate. 2,460,226, Jan. 25.
- Harris, Stanton A., Westfield, and D. Heyl, assignors to Merck & Co., Inc., Rahway, N. J. Synthesis of biotin intermediates. 2,466,232, Apr. 5.
- Harris, Stanton A., Westfield, N. J., C. H. Hoffman, Madison, Wis., and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Lower alkyl esters of α -phenylacetamido- β -acyloxyacrylic acid and preparing the same. 2,476,443, July 19.
- Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Production of penicillin-G. 2,480,466, Aug. 30.
- Harris, Stanton A., Westfield, and A. N. Wilson, Colonia, assignors to Merck & Co., Inc., Rahway, N. J. Ethyl homolog of vitamin B₆. 2,480,649, Aug. 30.
- Harris, Stanton A., Westfield, K. Folkers, Plainfield, R. Mazingo, Elizabeth, and G. E. Arth, assignors to Merck & Co., Inc., Rahway, N. J. Hydrogenation of thiophene compounds. 2,487,050, Nov. 8.
- Harris, Stanton A., Westfield, G. E. Arth, and C. H. Hoffman, Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. 2-benzyl-4-hydroxymethylene-5(4) oxazolones and making same. 2,489,881, Nov. 29.
- Harris, Sylvia S.: *See*—
Maker, Gertrude H., and Harris.
- Harris, Thomas, East Cleveland, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Mounting means for ironer shoes. 2,478,532, Aug. 9.
- Harris, Thomas, East Cleveland, and E. C. Swilick, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Converting rotary to intermittent oscillating motion. 2,461,641, Feb. 15.
- Harris, Thomas, East Cleveland, and V. A. Skiba, assignors to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Cabinet type ironing machine. 2,478,531, Aug. 9.
- Harris & Tyler Limited, assignee: *See*—
Christie, Bernard A.
- Harris, Walter D.: *See*—
Kerr, Theodore W., Jr., and Harris.
- Harris, Walter D., Naugatuck, and H. D. Tate, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y. Insecticides. 2,485,095, Oct. 18.
- Harris, Walter K., Richmond, Va. Foldable cabinet. 2,486,745, Nov. 1.
- Harris, Walter R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current motor control system. 2,465,226, Mar. 22.
- Harris, Walter R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Core type reel drive. 2,467,743, Apr. 19.
- Harris, Walter R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system for core type reel drives. 2,484,825, Oct. 18.
- Harris, Walter R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Preset speed control system for drives. 2,488,404, Nov. 15.
- Harris, Walter R., Wilkinsburg, and C. F. Wagner, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,482,483, Sept. 20.
- Harris, Warren A., Sr., assignor to The Leavitt Machine Company, Orange, Mass. Valve cutting tool. 2,466,233, Apr. 5.
- Harris, Wilbur T., Southbury, assignor to The United States Time Corporation, Waterbury, Conn. Vibrator movement for electric bells. 2,463,380, Mar. 1.
- Harrison, Alma J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Pipe coupling tool. 2,472,530, June 7.
- Harrison, Arthur E., Rockville Centre, N. Y., assignor to The Sperry Corporation. High-frequency apparatus. 2,464,230, Mar. 15.
- Harrison, Arthur E., Rockville Centre, N. Y., assignor to The Sperry Corporation. Frequency multiplier apparatus. 2,466,704, Apr. 12.
- Harrison, Arthur E., Rockville Centre, N. Y., assignor to The Sperry Corporation. High-frequency apparatus. 2,482,769, Sept. 27.
- Harrison, Arthur E., Rockville Centre, and E. T. Jaynes, Garden City, N. Y., assignors to The Sperry Corporation. Electroexpansive device. 2,466,703, Apr. 12.
- Harrison, Bertram M., Wellesley Hills, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical impedance matching apparatus. 2,463,533, Mar. 8.
- Harrison, Bertram M., Wellesley Hills, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Clamping device for vacuum tube apparatus. 2,474,976, July 5.
- Harrison, Charles W., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test circuit for piezoelectric crystals. 2,463,616, Mar. 8.
- Harrison, Elmer P., assignor to Reconstruction Finance Corporation, Chicago, Ill. Steam heating system. 2,484,086, Oct. 11.
- Harrison, Elmer P., Chicago, Ill., and O. A. Hunt, Oklahoma City, Okla., assignors to Reconstruction Finance Corporation, Chicago, Ill. Heat exchange system. 2,490,266, Dec. 6.
- Harrison, Francis L., Seattle, Wash. Frozen confection and edible container therefor. 2,489,129, Nov. 22.
- Harrison, Harold H., Chicago, Ill. Combined garment. 2,466,806, Apr. 12.
- Harrison, Henry, assignor to Eastman Kodak Company, Rochester, N. Y. Fluid diaphragm. 2,481,660, Sept. 13.
- Harrison, Henry, West Newton, Mass., assignor to Eastman Kodak Company, Rochester, N. Y. Movable tooth film sprocket. 2,487,870, Nov. 15.
- Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay distributing circuit. 2,486,712, Nov. 1.
- Harrison, James M.: *See*—
Berg, Lloyd, and Harrison.
- Harrison, James W.: *See*—
Faragher, Warren F., and Harrison.
- Harrison, John F., assignor of one-fourth to C. F. Greiner, Springfield, Ohio. Work positioner. 2,469,644, May 10.
- Harrison, John P., Versailles, Ind. Fishing device. 2,466,101, Apr. 5.
- Harrison, John W., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,467,745, Apr. 19.
- Harrison, Meyer: *See*—
Korman, Samuel, and Harrison.
- Harrison, Stuart A., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of acrylonitrile. 2,471,742, May 31.
- Harrison, Stuart A., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Aqueous emulsion polymerization of acrylonitrile in the presence of an aromatic hydrocarbon. 2,471,743, May 31.
- Harrison, Thomas R., Wyncote, and W. P. Wills, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Antihunting electrical measuring and control apparatus. Re. 23,121, June 14.
- Harrison, Wilbur A., Santa Paula, assignor of one-half to L. A. and W. F. Rawson, Los Angeles, Calif. Staccato washer for centrifugals and the like. 2,478,392, Aug. 9.
- Harrison, William B., Jr., Richmond, Va. Dual action switch. 2,462,495, Feb. 22.
- Harrison, William H., Los Angeles, Calif. Continuous motion photographic apparatus. 2,482,179, Sept. 20.
- Harrison, William J. D., Coventry, assignor to The General Electric Company Limited, London, England. Electrical switching device. 2,471,568, May 31.
- Harrison, William T., Denver, Colo. Slip handling apparatus. 2,482,109, Sept. 20.
- Hariss, Lawrence H.: *See*—
Blake, Ivan C., Hariss, and Mullen.
- Harold, Charles W., University Heights, and H. A. Pritchard, Hiram, assignors to Harris-Seybold Company, Cleveland, Ohio. Phototypograph film advancing and flash control means. 2,475,497, July 5.
- Harrowe, Elliott, Hollis, N. Y. Inflated toy with sound producing means. 2,487,546, Nov. 8.
- Harry, Lloyd A.: *See*—
Warden, Alva F., and Harry.
- Harschel, Jonas, U. S. Army. Mechanical converter. 2,479,569, Aug. 23.
- Harsh, Harold C.: *See*—
Duerr, Herman H., Morrell, Jr., and Harsh.
- Harsh, Harold C., R. M. Haft, and F. J. Kaszuba, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic process for converting black and white or monochrome pictures into multicolor pictures. 2,458,905, Jan. 11.
- Harsh, Harold C., and J. E. Bates, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Sulfite antistain bath for multilayer color film. 2,475,134, July 5.
- Harsh, Harold C., and J. E. Bates, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Antistain agents for silver bleach solutions. 2,476,544, July 19.
- Harsh, Harold C., and J. E. Bates, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Antistain baths for sensitive color photographic material. 2,483,971, Oct. 4.
- Harshaw Chemical Company, assignee: *See*—
Halbedel, Harold S., and Heath.
- Harshaw Chemical Company, The, assignee: *See*—
Allender, Samuel S.
- Durrose, Arthur H., and Little, Halbedel, Harold S., and Heath, Heath, James C., Cardon and Halbedel, King, Burnham W., Jr., and Baumhardt, Kremers, Harry C., and Johnson, Willson, Karl S., and Ellis.
- Harshman, Richard E., Scotts Bluff, Nebr. Combination grass cutter and edge trimmer. 2,480,922, Sept. 6.

- Harshman, Virgil R., South Bend, Ind. Fishing float. 2,464,309, Mar. 15.
- Harrison, Howard E., Oak Lawn, Ill. Knife. 2,480,365, Aug. 30.
- Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Speed controlled centrifugal valve. 2,473,948, June 21.
- Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Milker pulsator timer. 2,480,239, Aug. 30.
- Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Governor. 2,484,995, Oct. 18.
- Harstick, William H., Oak Park, and O. E. Hintz, Jr., Chicago, Ill., assignors to International Harvester Company. Centrifugal separator with movably supported supply can therefor. 2,482,272, Sept. 20.
- Hart-Carter Company, assignee: *See*—
Bosma, Alfred S.
- Hart & Cooley Manufacturing Company, assignee: *See*—
De Roo, William C.
- Hart, David: *See*—
Hale, George C., and Hart.
- Hart, Edward, San Marino, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric motor. 2,460,418, Feb. 1.
- Hart, Edward L., Abington, assignor to Philco Corporation, Philadelphia, Pa. Air conditioner having condensate removal means. 2,485,733, Oct. 25.
- Hart, Edward L., and C. M. Moore, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Grille assembly. 2,467,309, Apr. 12.
- Hart, Edwin B., and A. W. Halverson, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Stabilizing carotene. 2,491,495, Dec. 20.
- Hart, Edwin J., Cedar Grove, N. J., assignor to United States Rubber Company, New York, N. Y. Preserving rubber. 2,476,661, July 19.
- Hart, Edwin J., Cedar Grove, and Max S. Matheson, Clifton, N. J., assignors to United States Rubber Company, New York, N. Y. Production of trichloroacetyl chloride. 2,472,946, June 14.
- Hart, Fred V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Leveling machine. 2,460,933, Feb. 8.
- Hart, Frederick & Co., Inc., assignee: *See*—
Nygaard, Herman.
Waggoner, Elwood M.
- Hart, Geo. B., Inc., assignee: *See*—
Hart, Richard C., and Bittel.
- Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Flexible electrode means for high-frequency heating. 2,474,977, July 5.
- Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriter ribbon and spool. 2,486,473, Nov. 1.
- Hart, James A., L. N. Hollis, and J. W. Randolph, Hammond, Ind., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extraction of elemental sulfur from oils. 2,460,227, Jan. 25.
- Hart, James H., Andover, Mass. Model for demonstrating atomic structure and theory. 2,477,179, July 26.
- Hart, James L., Bartlesville, Okla., assignor to American Smelting and Refining Company, New York, N. Y. Separating indium from contaminants. 2,477,799, Aug. 2.
- Hart, John M., Fort Worth, Tex. Sheet metal shears. 2,469,036, May 3.
- Hart, Joseph L., Jr., Chickasha, Okla. Air cleaning apparatus. 2,474,478, June 28.
- Hart, Richard C., Fairport, and J. A. Bittel, assignors to Geo. B. Hart, Inc., Rochester, N. Y. Watering machine. 2,475,388, July 5.
- Hart, Richard H., New Orleans, La. Parachute. 2,458,264, Jan. 4.
- Hart, Robert L., Smithfield, N. C. Soil pulverizer. 2,483,767, Oct. 4.
- Hart, Stephen V., Indianapolis, Ind., assignor to Radio Corporation of America. Relay control circuits. 2,484,342, Oct. 11.
- Hart, William C., New York, N. Y. Casting printing rollers. 2,464,082, Mar. 8.
- Hartanov, Andrew S.: *See*—
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.
- Harter Corporation, assignee: *See*—
Harter, Evan S.
- Harter, Elson M., Blue Ash, Ohio. Radiant heating system. 2,489,130, Nov. 22.
- Harter, Evan S., assignor to Harter Corporation, Sturgis, Mich. Swivel chair base. 2,470,397, May 17.
- Harter, Isaac, Akron, Ohio, C. L. Norton, Jr., New York, N. Y., and L. D. Christie, Jr., Elizabeth, N. J., assignors to the Babcock & Wilcox Company, Rockleigh, N. J. Mineral wool. 2,467,889, Apr. 19.
- Hartford-Empire Company, assignee: *See*—
Aksomitas, William E.
Avery, Charles R.
Berthold, Walter K.
Berthold, Walter K., and Light.
Brown, William A.
Cannon, Madison M., Jr., and Light.
Cannon, Madison M., Jr., and Peller.
- Hartford-Empire Company, assignee: *See*—Continued.
Fischer, Paul E.
Fischer, Paul E., and Ardell.
Green, Thomas D.
Honiss, William T.
Ingle, Henry W.
Koleda, Michael A.
Lorenz, Edward H.
MacConnell, Hugh C., Jr.
Mongan, Charles E., Jr.
Westin, Daniel B.
- Hartford National Bank and Trust Company, assignee: *See*—
Addink, Nicolaas W. H., Boucher, de Lange, and Kramer.
Addink, Nicolaas W. H., and Hekelaar.
Alexander, Johan W.
Alma, Gerrit H. P.
Bailey, Christopher E. G.
Bast, Gerardus H.
Bax, Hendrikus G. A.
Beard, Ernest G.
Berggren, Detlof E.
Bergmans, Jan, Kronouer, and Leeuwijn.
Bergmans, Jan, Lamberts, and Anderson.
Bienfait, Henri, and Veenemans.
Blok, Henri.
Blok, Henri, and Broos.
Blok, Lourens.
Boelens, Willem W., Hepp, van Slooten, and van Ingen Schenau.
Boelsums, Willem F.
Böhme, Walter K. A.
Boldingh, Willem H.
Boosman, Herman, B. R., and de la Sabloniere.
Boosman, Herman B. R., Douma, and Posthumus.
Braak, Dirk J.
Brouwer, Pieter H. J.
Bugel, Roelof D.
Bugel, Roelof Dirk, and de Lange.
Carpentier, Edmund E.
Combée, Bart.
Dammers, Bernhardus G.
De Boer, Floris.
De Boer, Kornelis, and Vermeulen.
De Bruin, Sake L.
De Fremery, Frank.
De Gier, Johannes.
De Gier, Johannes, and Smelt.
De Groot, Folkert A.
Dekker, Adrianus J.
De Lange, Cornelis.
de Lange, Cornelis, and Duinker.
de la Sabloniere, Christiaan J. D.
Derksen, Jan C.
De Weyer, Henricus J.
Diemer, Gesinus.
Dorgelo, Eduard G., and Lemmens.
Dorjee, Hendrik.
Dorsman, Dornells, and Dijksterhuis.
Duinker, Daniel M.
Du Pre, Frits K.
Eaglesfield, Charles C.
Fennema, Pieter H.
Fennema, Pieter H., and van den Hoogenhoff.
Groenenberg, Maarten J.
Gusdorf, Frederik H.
Gusdorf, Frederik H., and Horowitz.
Haantjes, Johan.
Haantjes, Johan, and Valetton.
Haantjes, Johan, and van Ingen Schenau.
Hagenburg, Theodorus.
Hardenberg, Jan J. C., and Six.
Haringx, Johannes A.
Hehenkamp, Theodorus.
Hepp, Gerard.
Holmes, Thomas.
Holst, Gilles and Vermeulen.
Jacobs, Anthieunis.
Janssen, Johannes C.
Jonker, Johan L. H.
Jonker, Johan L. H., and Diemer.
Jonker, Johan L. H., and Kleynen.
Kerhof, Frederik.
Klinkhamer, Hendrik A. W.
Knös, Gunnar E.
Kröger, Ferdinand A.
Labin, Edouard, Levialdi, and Ziegler.
La Riviere, Theodor W.
Ledeboer, Johan M.
Leeuwijn, Max, and Cardozo.
Lemmens, Hendricus J.
Lems, Hendrik.
Le Poole, Jan B.
Loosjes, Robert.
Loosjes, Robert, and Vink.
Mak, Gerrit.
Mol, Gerard C. J.
Mulder, Johannes G. W.
Nemet, Anthony, and Berindei.
Oosterkamp, Wijbe J., and Vingerhoets.
Padmos, Adriaan A., and Verwey.
Penning, Frans M., and Verburg.
Pinkney, Arthur J.

Hardford National Bank and Trust Company, assignee:
See—Continued.

- Posthumus, Klaas.
Posthumus, Klaas, and Gehrels.
Prakke, Frits, Keeman, and Rodenhuis.
Pressel, Otto, and Diepstraten.
Pye, Charles R.
Repko, Jan D.
Reynst, Maximilien F.
Richards, Claude L.
Roovers, Wilhelmus A.
Ruhwandl, Dominicus G. S.
Scheffer, Nicolaas.
Schenkel, Gerrit.
Schmidt, Gerrit.
Selinger, Herbert.
Shelton, Edward E.
Spoor, Theodorus A.
Stiger, Willen H.
Storm, Andre W.
Strutt, Maximilian J. O., and van der Ziel.
Strutt, Maximilian J. O., and van Hofweegen.
Taylor, Henry G.
Ter Berg, Jozef, and Wijnen.
V. Amelsvoort, Bernardus M.
Van Alphen, Pieter M.
Van den Berge, Jan H., and Starre.
Van der Heem, Jan.
Van der Willigen, Paul C.
Van der Willigen, Paul C., Boon, and Holierhoek.
Van der Windt, Jan.
Van Doorn, Herman C.
Van Dorsten, Andrianus C.
Van Geel, Willem C., and Esseling.
Van Geel, Willem C., and van Amstel.
Van Heeckeren, Willem J.
Van Heeckeren, Willem J., Meyer, and Rinia.
Van Ingen Schenau, Bernardus W.
Van Lammeren, Johannes A.
Van Liempt, Johannes A. M., Prakke, Landsbergen, and van Uden.
Van Looy, Franciscus C., and Schouwstra.
Van Meurs, Hubertus A.
Van Overbeek, Adrianus J. W. M.
Van Overbeek, Adrianus J. W. M., Alma, and Klopping.
Van Weel, Adelbert.
Van Weenen, Franciscus L.
Van Weenen, Franciscus L., and Stigter.
Van Zwet, Willem L. C.
Veenemans, Cornelis F., and Hamaker.
Veenemans, Cornelis F., and Loojes.
Veenemans, Cornelis F., and van Zanten.
Verborg, Cornelis, and Penning.
Vermeer, Gerard J. H.
Vermeulen, Roelof, and Six.
Verwey, Evert J. W., Haayman, and Bol.
Vingerhoets, Antonius W., and Nieuwdorp.
Visscher, Juan F.
Warmoltz, Nicolaas.
Watkinson, Eric, Strom, and Smith.
Went, Jan J.
Wijsman, Johannes.
Wolf, Menno.
Zaat, Josephus A. B.
- Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor follow-up system. 2,484,790, Oct. 11.
- Hartlage, Frank F., New Haven, Conn. Protector for the bottom edges of trousers. 2,488,594, Nov. 22.
- Hartley, Albert L., and A. H. Davis, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio. Flame hardening apparatus. 2,461,734, Feb. 15.
- Hartley, Arthur C., London, J. C. Brown, Billingham, G. S. Callendar, Horsham, H. R. Fehling, D. A. Fox, and F. Gill, London, W. T. Moore, Billingham, P. O. Rosin, London, and G. J. Williamson, Billingham, England, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Fog freeable runway for aircraft and plant associated therewith. 2,465,587, Mar. 29.
- Hartley, Emmett C.: See—
Parker, Arthur L., and Hartley.
Wolfram, John N., and Hartley.
- Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Swivel coupling. 2,459,643, Jan. 18.
- Hartley, Emmett C., and H. E. Hull, assignors to The Parker Appliance Company, Cleveland, Ohio. Tube beading and flaring machine. 2,466,422, Apr. 5.
- Hartley, Frederick Farnumville, Mass. Intake manifold. 2,464,504, Mar. 15.
- Hartley, George C., and W. J. Reynolds, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Telegraph system. 2,468,065, Apr. 26.
- Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency harmonic generator. 2,463,617, Mar. 8.
- Hartley, Ralph V. L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical position control apparatus. 2,488,291, Nov. 15.
- Hartley, Walter, Radcliffe, England. Rayon and like spinning machines. 2,458,374, Jan. 4.
- Hartley, Walter, Radcliffe, England. Traverse mechanism for rayon pot-spinning machines. 2,489,882, Nov. 29.
- Hartman, Don B., Memphis, Tenn., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Collapsible box. 2,465,588, Mar. 29.
- Hartman, Elmer C., assignor to Taylor Instrument Companies, Rochester, N. Y. Flow diversion valve. 2,484,622, Oct. 11.
- Hartman, Franklin H., Deer Park, and J. W. Kinney, Jr., Cincinnati, Ohio, said Kinney assignor to said Hartman. Step platform attachment for rung-type ladders. 2,486,783, Nov. 1.
- Hartman, Frederick F., New York, N. Y. Wheel. 2,489,179, Nov. 22.
- Hartman, Harold, New York, N. Y. Attachment for electric light globes. 2,491,376, Dec. 13.
- Hartman, Lyndon L., Dallas, Tex. Well flow device. 2,478,483, Aug. 9.
- Hartman, Melville E.: See—
Crary, Selden B., and Hartman.
- Hartman, Milton V.: See—
Anderson, Harry J., and Hartman.
- Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetron inductive tuner employing variably spaced parallel plate transmission line. 2,466,765, Apr. 12.
- Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,469,964, May 10.
- Hartmann, Max, and W. Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Mercury compounds and making same. 2,471,621, May 31.
- Hartmann, Max, and W. Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Mercury compounds and preparing same. 2,471,622, May 31.
- Hartmann, Max, and W. Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. [5-(5,7-dichloroquinolyl)-(8-oxy)-ethyl]-dimethyl-dodecylammonium bromide. 2,487,707, Nov. 8.
- Hartmann, Max, and J. Druey, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Derivatives of p-aminobenzenesulfonamides and making same. 2,462,963, Mar. 1.
- Hartmann, Max, and J. Druey, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrazine derivatives of pyridazine compounds. 2,484,029, Oct. 11.
- Hartmann, Max, Riehen, and H. Isler, Bottmingen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Imidazolines and making same. 2,461,156, Feb. 8.
- Hartmann, Max, Riehen, and E. Merz, Bottmingen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Ester of nicotinic acid. 2,485,152, Oct. 18.
- Hartmann, Miner L., Beverly Hills, and H. M. Barnett, Long Beach, Calif.; said Hartmann assignor to said Barnett. Carotene composition and preparing solutions of carotene. 2,477,928, Aug. 2.
- Hartmann, Rudolph B., San Mateo, Calif. Thumb-sucking preventer. 2,477,126, July 26.
- Hartnell, Merton R., Chicago, Ill. Soldering iron tip. 2,472,296, June 7.
- Hartog, Stephen D., Normandy Township, Mo. Combustion engine piston. 2,476,256, July 12.
- Hartough, Howard D.: See—
Coonrad, Harry L., and Hartough.
Kosak, Alvin L., and Hartough.
Feasley, Charles F., and Hartough.
Reiff, Orland M., and Hartough.
Reiff, Orland M., Hartough, and Andress, Jr.
Schick, John W., and Hartough.
- Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Oxidation of beta, beta-thenylhydroxylamine. 2,463,500, Mar. 8.
- Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkyl thieryl ketimine from acyl-thiophene and primary amine reaction. 2,492,632, Dec. 27.
- Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing halo-thiophenes. 2,492,633, Dec. 27.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,458,512, Jan. 11.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,458,513, Jan. 11.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furan. 2,460,822, Feb. 8.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furans. 2,460,823, Feb. 8.

- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furans. 2,460,824, Feb. 8.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furan. 2,460,825, Feb. 8.
- Hartough, Howard D., Pitman, N. J., A. I. Kosak, Columbus, Ohio, and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Treatment of aromatic hydrocarbons. 2,462,391, Feb. 22.
- Hartough, Howard D., Pitman, and P. K. Chung, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Haloalkylation of aromatic hydrocarbons. 2,469,334, May 3.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic acylation of phenyl alkyl ethers. 2,475,564, July 5.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of acyl thiophenes. 2,478,484, Aug. 9.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of dichlorothiophene. 2,484,706, Oct. 11.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,492,629, Dec. 27.
- Hartough, Howard D., Pitman, S. J. Lukasiewicz, Woodbury, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene with boron trifluoride catalyst. 2,492,630, Dec. 27.
- Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. 2-acetyl-4-methylthiophene. 2,492,631, Dec. 27.
- Hartough, Howard D., Pitman, and H. L. Coonradt, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparing halothiophenes. 2,492,634, Dec. 27.
- Hartridge, Leslie, Buckingham, England. Testing phase angle and injection periods of fuel injection pumps. 2,470,351, May 17.
- Hartley, Earl F., Los Angeles, Calif. Vehicle having collapsible and extensible rear section. 2,488,123, Nov. 15.
- Hartshorn, Louis L.: See—
Timm, Raymond L., and Hartshorn.
- Hartsock, Robert E., Rockford, and R. W. Henss, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis. Tractor implement and control. 2,482,751, Sept. 27.
- Hartung, Harry H., Cincinnati, Ohio. Appliance for massaging and exercising human feet. 2,468,327, Apr. 26.
- Hartung, Walter H., Baltimore, Md. Ethers of oximino acid chlorides. 2,470,083, May 17.
- Hartwell Aviation Supply Company, assignee: See—
Beck, Theodore H., and Glick.
- Hartwell, Clark, assignee: See—
Beck, Theodore H., and Glick.
- Hartwell, Eleanor M., assignee: See—
Beck, Theodore H., and Glick.
- Hartwell, Thurston: See—
White, Abraham, Hartwell, and Reynolds.
- Hartwig, Carl E., Teaneck, N. J., assignor to Swan-Finch Oil Corporation, New York, N. Y. Binder composition for sand cores. 2,465,094, Mar. 22.
- Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Half cycle detector for electronic controls. 2,491,975, Dec. 20.
- Harty, Andrew J., near Bradford, Ill. Apparatus for grinding cultivator disks. 2,481,215, Sept. 6.
- Harty, Edgar A.: See—
Cheeseman, Ralph T., and Harty.
- Hartzell, Herman L.: See—
Short, Brooks H., and Hartzell.
- Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Condenser. 2,466,766, Apr. 12.
- Hartzell Industries, Inc., assignee: See—
Biermann, David.
Hartzell, Robert N.
- Hartzell, Robert N., assignor to Hartzell Industries Inc., Piqua, Ohio. Propeller for aircraft. 2,485,827, Oct. 25.
- Hartzler, Boyd C., Sharonville, Ohio. Revolving attachment for dining tables. 2,470,165, May 17.
- Hartzler, Ralph D., East Lynne, Mo. Variable delivery, reversible flow vane pump for fluid transmissions. 2,477,371, July 26.
- Harvard College, The President and Fellows of, assignee: See—
Volkmann, John.
- Harvel Corporation, The, assignee: See—
Caplan, Solomon.
Caplan, Solomon, and Rosamilia.
Harvey, Mortimer T.
- Harvel Research Corporation, assignee: See—
Harvey, Mortimer T.
Harvey, Mortimer T., and Caplan.
Stierli, Robert F.
- Harvey, Arthur, Chicago, Ill. Photocopy machine. 2,492,476, Dec. 27.
- Harvey, Douglass C.: See—
Quigley, John L., and Harvey.
- Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Detachable shutter mount for cameras. 2,472,586, June 7.
- Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Blade and cover blind shutter with built-in flash synchronizer. 2,472,587, June 7.
- Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera having shutter control and film winding interlock. 2,478,394, Aug. 9.
- Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Self-erecting front camera. 2,481,661, Sept. 13.
- Harvey, Earle M., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Hand guard. 2,480,135, Aug. 30.
- Harvey, Etta E., Pitcairn, Pa. Pocket equipped brassière. 2,492,862, Dec. 27.
- Harvey, George W., Glenburn, assignor to Solar Aircraft Company, San Diego, Calif. Flexible pipe joint. 2,475,834, July 12.
- Harvey, Gladys S., Pasadena, Calif. Baby hammock. 2,467,890, Apr. 19.
- Harvey, Henry S., Palm Beach, Fla., assignor to Independent Lock Company, Fitchburg, Mass. Communicating door lock. 2,470,770, May 24.
- Harvey, Henry S., Palm Beach, Fla., assignor to Independent Lock Company, Fitchburg, Mass. Latch. 2,470,771, May 24.
- Harvey, Henry S., West Branch, Iowa. Power-operated portable general utility machine. 2,473,883, June 21.
- Harvey, Herbert: See—
Thompson, Robert H., and Harvey.
- Harvey, Herbert, assignor to L. M. Harvey, Los Angeles, Calif. Hydraulic operating mechanism for well pumps. 2,489,412, Nov. 29.
- Harvey, James R.: See—
Gannon, Irving J., and Harvey.
- Harvey, James W., Lakeville, Conn. Fisherman's barrel knot tier. 2,469,037, May 3.
- Harvey, James W., Lakeville, Conn. Making fish rods. 2,477,800, Aug. 2.
- Harvey, Leo M.: See—
Harvey, Herbert and L. M.
Thompson, Robert H., and Harvey.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Alloy ether of anacardic materials, bodied products thereof, and novel compositions and friction elements produced therewith. 2,460,255, Jan. 25.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Reaction products of an aldehyde with allyl ether of anacardic material. 2,460,256, Jan. 25.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Friction element comprising discrete particles of insoluble furfuraldehyde ketone resin. 2,461,508, Feb. 15.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Compositions of matter and methods and steps of making and using the same. 2,461,510, Feb. 15.
- Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Aldehyde(phenol-phenol ether reaction products) reaction products and producing them. 2,462,636, Feb. 22.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Ethyl cellulose gels. 2,485,597, Oct. 25.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Millable compositions. 2,485,598, Oct. 25.
- Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Compositions of matter comprising mixtures of a synthetic resin containing gel and a rubber. 2,490,626, Dec. 6.
- Harvey, Mortimer T., South Orange, N. J., and S. Caplan, New York, N. Y., assignors to Harvey Research Corporation. Making tertiary alkyl amides. 2,461,509, Feb. 15.
- Harvey, Norman L., Flushing, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa. Wave shielding arrangement. 2,487,547, Nov. 8.
- Harvey Radio Laboratories, Inc., assignee: See—
Cosman, Bernard J.
Quirk, Arthur L.
- Harvey, Raymond W., Kingston, N. Y. Safety device for fluid containers. 2,465,095, Mar. 22.
- Harvey, Richard, West Los Angeles, Calif. Vaporizing tank for sterilizers. 2,466,234, Apr. 5.
- Harvey, Robert L.: See—
Keizer, Eugene O., Johnson, Landon, and Harvey.
- Harvey, Robert L., Detroit, Mich. Speedboat hull. 2,474,667, June 28.
- Harvey, Roosevelt W. W., Somerville, Mass. Athletic apparatus. 2,470,815, May 24.
- Harvey, Roosevelt W. W., Somerville, Mass. Exercising device. 2,470,816, May 24.
- Harvey, Sidney M., Detroit, Mich. Welding electrode holder switch. 2,468,873, May 3.

- Harvey, Walter J., Toronto, Ontario, Canada. Reflecting and focusing apparatus with pivotally adjustable spaced apart reflecting members for heat and light rays. 2,471,954, May 31.
- Harvey-Whipple, Incorporated, assignee: *See*—Carter, George I.
- Harvey, Wilfred G., Leominster, Mass. Stripping and knockout mechanism for molding dies. 2,483,093, Sept. 27.
- Harvey, Wilfred G., Leominster, Mass. Stripping and knockout mechanism for molding dies. 2,483,094, Sept. 27.
- Harvill, Edward K., Orange, and R. M. Herbst, Short Hills, assignors to E. Bilhuber, Inc., Orange, N. J. Substituted alpha-halogen alkyl tetrazoles and obtaining the same. 2,470,084, May 17.
- Harvill, Edward K., Orange, and R. M. Herbst, Short Hills, assignors to E. Bilhuber, Inc., Orange, N. J. Substituted amino alkyl tetrazoles. 2,470,085, May 17.
- Harwood, Freddie H., Newport, Ark. Portable concrete mixer. 2,482,976, Sept. 27.
- Harwood, James E., Beulah, Mich., assignor to L. C. Antles, Wenatchee, Wash. Beehive exit device. 2,485,879, Oct. 25.
- Harwood, Kenneth J., Neenah, Wis., assignor to International Cellulotton Products Company. Method of making tampons. 2,464,310, Mar. 15.
- Harwood, Paul D., assignor to Dr. Hess & Clark, Inc., Ashland, Ohio. Coccidiostatic composition. 2,472,422, June 7.
- Harwood, Ray D., Elkhart, Ind. Salt and pepper shaker. 2,473,585, June 21.
- Hasbany, Woodrow A., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,478,868, Aug. 9.
- Hasbany, Woodrow A., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,478,869, Aug. 9.
- Hasbrouck, John S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Automatically variable speed scavenge pump drive. 2,487,439, Nov. 8.
- Hasche, Rudolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Regenerative furnace construction. 2,473,427, June 14.
- Hasche, Rudolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Multistage conversion of hydrocarbons. 2,475,093, July 5.
- Hasche, Rudolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Producing acetylene black. 2,475,282, July 5.
- Hasche, Rudolph L., Kingsport, Tenn., and J. H. Brant, Charlottesville, Va., assignors to Eastman Kodak Company, Rochester, N. Y. Concentration of aqueous formaldehyde solutions by azeotropic distillation under vacuum. 2,475,959, July 12.
- Haschke, Gerald W.: *See*—Chalfant, Theodore J., and Haschke.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Ratchet and pawl mechanism for hand brakes. 2,462,183, Feb. 22.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,477,743, Aug. 2.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,479,043, Aug. 16.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,481,012, Sept. 6.
- Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Mechanism for forcing sliding doors open and closed. 2,481,590, Sept. 13.
- Haserodt, Oscar P., Elyria, Ohio. Adjustable shoe attachment. 2,489,289, Nov. 29.
- Haskelite Manufacturing Corporation, assignee: *See*—Potchen, Joseph A.
- Haskell, Edward F., New York, N. Y. Cake of soap. 2,489,639, Nov. 29.
- Haskell, Nelson B.: *See*—Glassmire, William F., Smith, Haskell, and Danskin.
- Haskins, Lewis S., Worcester, Mass. Die for molded articles and making the same. 2,463,269, Mar. 1.
- Haskins, Robert, Jr., Rutherfordton, N. C., assignor to The Sperry Corporation. Asymmetric scorsby and operation. 2,470,773, May 24.
- Hasler, John F.: *See*—Quales, Lloyd L., and Hasler.
- Hasler, Robert H., Old Westbury, and H. P. Stevens, Oyster Bay, assignors to The Hasler Stevens Corporation, Mineola, N. Y. Rotary valve for internal-combustion engines. 2,459,936, Jan. 25.
- Hasler Stevens Corporation, The, assignee: *See*—Hasler, Robert H., and Stevens.
- Stevens, Harry P.
- Hass, Henry B., West Lafayette, Ind., and L. A. Gillette, Wyandotte, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind. Nitro group replacement process. 2,486,023, Oct. 25.
- Hass, Zygmunt, K.: *See*—Candeland, Harold, and Hass.
- Hass, Zygmunt K., Taplow, England. Thermionic valve circuits. 2,491,107, Dec. 13.
- Hassan, Hussein V., Bronx, N. Y. Beach and land cleaning machine. 2,488,774, Nov. 22.
- Hasselberg, William J., Forest Park, Ill. Fluid compressor. 2,463,174, Mar. 1.
- Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Bomb band assembly. 2,462,744, Feb. 22.
- Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Shockproof hydroschwitch. 2,479,616, Aug. 23.
- Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Heat-treating furnace. 2,492,220, Dec. 27.
- Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Pressure and heat-treating device. 2,481,216, Sept. 6.
- Hasselhorn, Walter C., and E. H. Ziebold, assignors to Cook Electric Company, Chicago, Ill. Spark responsive burner control. 2,474,941, July 5.
- Hassel, James R., South Dos Palos, Calif. Automatic water temperature control. 2,471,371, May 24.
- Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil. 2,464,035, Mar. 8.
- Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sheet gripping and pulling tool. 2,460,007, Jan. 25.
- Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for stretching elastic covers. 2,462,318, Feb. 22.
- Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stretching apparatus. 2,491,041, Dec. 13.
- Hasselwander, Claude F., Rochester, N. Y., assignor to Dollinger Corporation, Filter. 2,464,036, Mar. 8.
- Hassman, Fred A.: *See*—Vancil, Edgar D., and Hassman.
- Hassman, Fred A., and H. Ernst, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Hydraulic control system. 2,459,937, Jan. 25.
- Hassman, Fred A., and C. Herfurth, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Vertical spindle milling machine. 2,484,885, Oct. 18.
- Hassmer, Wilford L., Cleveland, and O. E. Schlachter, Toledo, assignors, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Gas burner. 2,475,240, July 5.
- Hastings, Allen E., Washington, D. C. Voltage regulator. 2,475,613, July 12.
- Hastings, Allen E., Washington, D. C. Frequency selective amplifier. 2,490,805, Dec. 13.
- Hastings, Charles E., Hampton, Va., and H. H. Ricker, Jr., Philadelphia, Pa. Electrical defectometer. 2,484,030, Oct. 11.
- Hastings, Charles E., Hampton, Va. Magnetic switch. 2,487,052, Nov. 8.
- Hastings, Donald F., Fair Lawn, assignor to Hardwick, Hindle, Inc., Newark, N. J. Electrical rheostat device. 2,473,247, June 14.
- Hastings, Donald F., Fair Lawn, and R. H. Winkler, Maplewood, assignors to Hardwick-Hindle, Inc., Newark, N. J. Adjustable resistor of the tubular type. 2,473,246, June 14.
- Hastings-Hodgkins, Horace W., Lincoln, England, assignor to Radio Corporation of America. Course and height indicator for aircraft. 2,459,074, Jan. 11.
- Hastings, James E., assignor to The L. S. Starrett Company, Athol, Mass. Machinist's gauge. 2,471,684, May 31.
- Hastings Manufacturing Company, assignee: *See*—Ackerman, Virgil D.
- Dutterer, Rex J. L.
- Flora, Rudolph F., Olsen, and Lonnee.
- Olsen, Ernest R., Flora, and Lonnee.
- Phillips, Harold P.
- Hastings, Roger W., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water cooler. 2,481,662, Sept. 13.
- Haswell, Henry L., Brevard, assignor, by mesne assignments, to Ecusta Paper Corporation, Pisgah Forest, N. C. Web tensioning and pressure mechanism. 2,460,694, Feb. 1.
- Haswell, Walter T., Jr., United States Navy. Indicating device. 2,470,774, May 24.
- Hasty, Charles M., and L. R. Baker, Austin, Tex. Rock or stone saw. 2,475,892, July 12.
- Hatch, Bernis W., Atlanta, N. Y. Endless belt grader. 2,474,051, June 21.
- Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Rack. 2,484,996, Oct. 18.
- Hatch, James M., Castine, Maine. Trapper's hip-length boot. 2,473,099, June 14.
- Hatch, Lewis F., Austin, Tex., D. E. Adelson, and B. O. Blackburn, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Stabilization of butadiene with salicylates. 2,478,045, Aug. 2.
- Hatch, Raymond S., and R. N. Hammond, assignors to Weyerhaeuser Timber Company, Longview, Wash. Growing aerobic organisms. 2,482,908, Sept. 27.
- Hatch, Robert L., assignor to Rodney Hunt Machine Company, Orange, Mass. Bench stand table lift. 2,471,955, May 31.
- Hatcher, David B.: *See*—Bunnell, Raymond H., and Hatcher.
- Hatcher, David B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Reduction of compounds silicon and halogen. 2,458,703, Jan. 11.

- Hatcher, Merrel E., assignor of ten per cent to A. Kulick, Richland, Wash. Tire pressure indicating device. 2,480,855, Sept. 6.
- Hatchette, Andrew H., Cleveland, Ohio. Pivoted floating article catching attachment for scrub pails. 2,479,163, Aug. 16.
- Hatchette, Andrew H., Cleveland, Ohio. Hook. 2,480,923, Sept. 6.
- Hatfield, Cleburne B., Cookeville, Tenn. Automatic fluid mixing apparatus. 2,484,945, Oct. 18.
- Hatfield, John E., Letchworth, England, assignor, by mesne assignments to Irving Air Chute Co. Inc., Buffalo, N. Y. Cutting and/or marking apparatus. 2,469,299, May 3.
- Hatfield, Samuel S., Dayton, Ohio. Automatic electronic timing device. 2,474,841, July 5.
- Hathaway, C. F. Co., assignee: See—
Logan, Ashley J.
- Hathaway, Clarence B., and R. F. Woll, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Quiet single-phase motor. 2,462,184, Feb. 22.
- Hathaway, Claude M., Denver, Colo. Recording apparatus. 2,461,322, Feb. 8.
- Hathaway, Claude M., Denver, Colo. Oscillograph. 2,469,265, May 3.
- Hathaway, Claude M., Denver, Colo. Electric pressure head. 2,474,146, June 21.
- Hathaway, Claude M., Denver, Colo. Air pressure switch. 2,477,801, Aug. 2.
- Hathaway, Claude M., Denver, Colo. Electromagnetic strain gauge. 2,484,164, Oct. 11.
- Hathaway, Claude M., Denver, Colo. Accelerometer. 2,484,165, Oct. 11.
- Hathaway, Edward R., assignor to Briggs Manufacturing Company, Detroit, Mich. Seat cushion. 2,485,443, Oct. 18.
- Hathaway, George G., Springfield, Mass. Swinging holder for card tables and the like. 2,486,279, Oct. 25.
- Hathaway, Jarrett L., Manhasset, and R. C. Kennedy, Orangeburg, N. Y., assignors to Radio Corporation of America. Transmitter tuning indicator. 2,468,197, Apr. 26.
- Hathaway, Lawrence, Oswestry, assignor to Coventry Climax Engines Limited, Coventry, England. Water-cooling system for internal-combustion engines and the like. 2,470,982, May 24.
- Hathaway, Madeleine P., executor: See—
Perkins, Hiram A.
- Hattan, Mark, Dayton, Ohio. Self-locking nut. 2,464,808, Mar. 22.
- Hattan, Mark, Dayton, Ohio. Signal type torque indicating wrench. 2,474,247, June 28.
- Hattan, Mark, Dayton, Ohio. Pressure inflated parachute load arresting device. 2,486,403, Nov. 1.
- Hattan, Mark, Pasadena, Calif. Automatic parachute release. 2,488,537, Nov. 22.
- Hatters Fur Exchange, Inc., assignee: See—
Mulqueen, Michael.
- Hatton, William: See—
Deakin, Gerald, Hatton, and Cabes.
- Hatton, William, Maplewood, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Party line telephone system. 2,490,054, Dec. 6.
- Haubert, Eugene F., Detroit, Mich. Automatic spark advancing and retarding means for distributors. 2,489,775, Nov. 29.
- Haubert, Leo, Tulsa, Okla. Gear rack load binder. 2,458,375, Jan. 4.
- Hauck, Albert L.: See—
Bennett, George, and Hauck.
- Hauck Manufacturing Company, assignee: See—
Elze, Walter C., and Turpin.
- Hauer, Victoria T., Dayton, Ohio. Clerical vest. 2,485,828, Oct. 25.
- Hauf, George F., River Forest, Ill. Construction of irrigation pipes and flexible pipe joints therefor. 2,484,087, Oct. 11.
- Haug, Anton J., Nashua, N. H. Pulp drainer. 2,483,200, Sept. 27.
- Haug, Eugene H., Glencoe, assignor to Modern Controls, Inc., Chicago, Ill. Control for vapor discharge tubes and electric arcs. 2,474,525, June 28.
- Haug, John S.: See—
Spahr, Floyd W., and Haug.
- Houghton Elevator Company, The, assignee: See—
Borden, Joseph H.
- Houghwout, Frances G., San Francisco, Calif. Hat stand. 2,480,731, Aug. 30.
- Haugland, Earl, Hampden, N. Dak. Electric circulatory water heater attachment for conventional internal-combustion engines. 2,470,485, May 17.
- Hummann, George, assignor to Ederer Engineering Company, Seattle, Wash. Strip handling device. 2,476,371, July 19.
- Hunz, Charles F., Kansas City, Mo. Apparatus for making lead oxide. 2,490,519, Dec. 6.
- Haupin, Warren E.: See—
Miller, Mike A., and Haupin.
- Hurdwell, Harland W., and Haupt.
- Hutman, Gerhard G., New York, N. Y. Combination bicycle and baby carriage. 2,482,585, Sept. 20.
- Haury, Vernon E., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Production of ureas. 2,477,872, Aug. 2.
- Haury, Vernon E., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Production of diamines. 2,486,648, Nov. 1.
- Hauschild, Frederick J., Oneonta, N. Y. Clamp mechanism for straightening sheet metal bodies. 2,463,966, Mar. 8.
- Hauser, Edward C., Bradford, Pa. Detachable wheel. 2,491,976, Dec. 20.
- Hauser, Hermann, Binningen, and M. Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited. Anthrimide carbazole dyestuffs. 2,459,424, Jan. 18.
- Hauser, Hermann, Binningen, and M. Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited. Anthrimide-carbazole dyestuffs. 2,473,949, June 21.
- Hauser, Herman, Binningen, and M. Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited. Anthrimide-carbazole dyestuffs. 2,473,950, June 21.
- Hauser, Max, Zurich, Switzerland. Manufacture of shaped metal-containing ceramic articles. 2,467,528, Apr. 19.
- Hauser, Paul M., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof, heat-sealable wrapping material and process. 2,462,185, Feb. 22.
- Hauser, Paul M., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solutions of vinylidene chloride-acrylonitrile copolymers containing an aromatic hydrocarbon as a gel retardant. 2,474,896, July 5.
- Hauser, Paul M., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition containing vinylidene chloride acrylonitrile copolymer and a halogenated hydrocarbon as a gel retardant. 2,474,897, July 5.
- Hausheer, Emil M., Schenectady, N. Y., assignor to General Electric Company. Commutator cone insulator and making the same. 2,473,248, June 14.
- Hausman, Herbert H., Lakewood, Ohio. Bowling ball thumb or finger gripping means. 2,460,385, Feb. 1.
- Hausmann, Frederick, assignor to William Walker and Sons Limited, Bolton, England. Apparatus for testing friction. 2,486,280, Oct. 25.
- Hausner, Robert R., Chicago, Ill. Adjustable panel for cabinet doors. 2,466,848, Apr. 12.
- Hauswald, John P., Baltimore, Md. Bread loaf fractionating apparatus. 2,484,222, Oct. 11.
- Hauswirth, Vernon O.: See—
Zink, William L., Aasland, and Hauswirth.
- Hautau, Charles F., Huntington Woods, assignor, by mesne assignments, to Appliance Development Company, Oak Park, Mich. Fluid pump. 2,462,392, Feb. 22.
- Haux, Elmer H., Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making synthetic brushes. 2,488,865, Nov. 22.
- Haveg Corporation, assignee: See—
Adams, William H., Jr., and Lebach.
- Lebach, Hans H.
- McWhorter Purnal L., Jr.
- Haven, Donald E., Minneapolis, Minn. Case for outboard motors. 2,475,135, July 5.
- Haven, Roger W., Winchester, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp support. 2,486,159, Oct. 25.
- Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Rivet and making joints therewith. 2,465,534, Mar. 29.
- Havens, Carl B.: See—
Irons, Carroll R., and Havens.
- Schaefer, Hugo L., and Havens.
- Havens, Glenn G., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Artificial limb. 2,464,391, Mar. 15.
- Haverstick, John S., Kingwood Township, Hunterdon County, assignor to De Laval Steam Turbine Company, Trenton, N. J. Hot-air turbine power plant. 2,464,861, Mar. 22.
- Havery, Joseph F., Stratford, Conn. Safety Christmas tree stand. 2,477,981, Aug. 2.
- Havey, George H., Jackson Heights, N. Y. Collar stretching implement. 2,467,669, Apr. 19.
- Havey, George H., Jackson Heights, N. Y. Indicating archery target. 2,487,871, Nov. 15.
- Havill, Clinton H.: See—
Burley, Robert M., and Havill.
- Havrenius, Hilding, Jonkoping, Sweden. Drain trap. 2,484,031, Oct. 11.
- Hawaiian Pineapple Company, Limited, assignee: See—
Abrey, John and Munro.
- Mehrlich, Ferdinand P.
- Schoening, Orlando A.
- Hawes, Albert H., assignor, by mesne assignments, to Kwikform Limited, Birmingham, England. Apparatus for molding building blocks. 2,469,599, May 10.
- Hawes, Albert H., Erdington, Birmingham, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England. Scaffolding. 2,472,423, June 7.
- Hawes, Albert H., Erdington, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England. Scaffolding clamp. 2,476,863, July 19.

- Hawes, George E., Bridgeport, Conn. Animated decorative device simulating a bird or the like. 2,484,343, Oct. 11.
- Hawes, Harold B., Fairfield, Conn. Ventilator. 2,465,533, Mar. 29.
- Hawes, Russell J., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Regenerating magnesium silicate adsorbents. 2,470,486, May 17.
- Hawes, Russell J., Cranford, W. F. Behrman, Westfield, and C. A. Campbell, Cranford, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Pour point depressant for oil compositions. 2,473,370, June 14.
- Hawie, Jacob S., assignor to The Hawie Manufacturing Company, Bridgeport, Conn. Suspender back coupling. 2,488,013, Nov. 15.
- Hawie Manufacturing Company, The, assignee: *See*—Hawie, Jacob S.
- Hawk, Elwin A., East Rochester, Ohio. Apparatus for forming articles of plastic material. 2,465,450, Mar. 29.
- Hawk, Elwin A., East Rochester, Ohio. Apparatus for measuring and controlling pug mill output. 2,484,506, Oct. 11.
- Hawk, Le Roy R., assignor to Golden State Company, Ltd., San Francisco, Calif. Method and apparatus for heating milk. 2,492,635, Dec. 27.
- Hawk, Ralph C., Bay County, and J. G. Mezoff, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Slot-gate foundry mold. 2,466,235, Apr. 5.
- Hawk, Ralph C., Bay County, and J. G. Mezoff, Bay City, Mich., assignors to The Dow Chemical Company. Slot-gate foundry mold. 2,480,650, Aug. 30.
- Hawker, Herman W.: *See*—White, James L., and Hawker.
- Hawkes, Fred, (N. V. Engineers) Limited, assignee: *See*—Franklin, John H.
- Hawkes, Lawrence H., Cannelton, W. Va. Mine trap door. 2,469,164, May 3.
- Hawkins, Charles R., Los Angeles, Calif. Pressing iron rack. 2,462,319, Feb. 22.
- Hawkins, Cyril G., Manchester, England, assignor, by mesne assignments, to General Electric Company. Control system. 2,467,381, Apr. 19.
- Hawkins, Everett W., Raleigh, N. C. Magnetic trouble light socket. 2,474,942, July 5.
- Hawkins, Frank S., Wembley, assignor to The General Electric Company, Limited, London, England. Arc lamp. 2,491,178, Dec. 13.
- Hawkins, George W., Forest Hills, N. Y., assignor, by mesne assignments, to F. J. Stevens, Chattanooga, Tenn. Combination heater, coffee table, and tray. 2,485,880, Oct. 25.
- Hawkins, Henry: *See*—Cohen Milton, and Hawkins.
- Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Method and apparatus for analyzing seismographic records. 2,463,534, Mar. 8.
- Hawkins, Karl G. R., Park Ridge, Ill. Torsion driven tool. 2,468,874, May 3.
- Hawkins, Paul E., Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Mounting for the driving and operating mechanisms of industrial trucks. 2,471,429, May 31.
- Hawkins, Rene S.: *See*—Root, Anna M., and Hawkins.
- Hawkins, Scott F., Los Angeles, and C. H. Roberts, assignors of one-fourth to J. D. Lay, Burbank, and one-fourth to C. K. Shaw, Roscoe, Calif. Airplane wheel accelerator and braking device. 2,480,651, Aug. 30.
- Hawkins, William H.: *See*—Alpern, Dwight K., Freyberg, and Hawkins.
- Hawkins, William H., Stamford, Conn., assignor to Freyberg Bros.-Strauss, Inc., New York, N. Y. Ribbon reel made of a single blank. 2,477,333, July 26.
- Hawkins, Willis M., Jr., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Main landing gear. 2,487,548, Nov. 8.
- Hawkinson, Alfred T., Niagara Falls, B. B. Gralow, Grand Island, and H. E. May, Niagara Falls, N. Y., assignors to E. I. duPont de Nemours & Company, Wilmington, Del. Vaporizing hydrogen peroxide. 2,491,732, Dec. 20.
- Hawkinson, Paul E., Company, assignee: *See*—Hawkinson, Paul E.
- Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Producing skid-resistant treads. 2,476,146, July 12.
- Hawley, Don M.: *See*—Caesar, George V., Bauer, and Hawley.
- Hawley, Frank M., and R. E. Cherry, Detroit, Mich., assignors to Morse Chain Company, Ithaca, N. Y. Chain drive assembly. 2,479,617, Aug. 23.
- Hawley, John B., Jr., and A. C. Born, assignors to The Northern Pump Company, Minneapolis, Minn. Pump jack. 2,488,124, Nov. 15.
- Hawley, Thomas G., Jr., B. J. Kummer, and J. W. Barnes, Jr., Chicago, Ill., assignors to The Diversey Corporation. Polishing composition. 2,483,701, Oct. 4.
- Haworth, John W.: *See*—Atherton, Frank R., Bergel, Cohen, Haworth, Openshaw, and Todd.
- Bergel, Franz, Cohen, Haworth, and Hughes.
- Bergel, Franz, Cohen, Haworth, Hughes, and Silk.
- Haworth, Joseph P., Westfield, and F. P. Baldwin, Linden, N. J., assignors to Standard Oil Development Company. Plasticizing of synthetic elastomers. 2,466,301, Apr. 5.
- Haworth, Walter N., and M. Stacey, Birmingham, England. Production of trifluoroacetic acid. 2,476,490, July 19.
- Haworth, Walter N., and M. Stacey, Birmingham, assignors to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Production of trifluoroacetic acid compounds. 2,480,467, Aug. 30.
- Hawthorne, Herman F.: *See*—Connelly, John R., and Hawthorne.
- Hawthorne, William R.: *See*—Prime, Arthur J., Whitehead, and Hawthorne.
- Hawthorne, William R., Washington, D. C., and J. R. Joyce, Wimbledon, London, assignors to Power Jets (Research & Development) Limited, London, England. Testing spraying devices. 2,483,637, Oct. 4.
- Hay, Dana P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread holding and cutting device for shoe sewing machines. 2,492,147, Dec. 27.
- Hay, Malcolm, Canajoharie, N. Y. Radio receiving set. 2,471,569, May 31.
- Haycock, Charles G., Shafter, assignor to Union Oil Company of California, Los Angeles, Calif. Treatment of soils for agricultural purposes. 2,468,329, Apr. 26.
- Hayden, David H., assignor to E. H. Mayer and D. H. Herald, Sarasota, Fla. Folding leg construction for tables, etc. 2,479,492, Aug. 16.
- Hayden, Jesse R., assignee: *See*—Muller, Reinhold J.
- Haydon, George R.: *See*—Smart, Joseph J., and Haydon.
- Haydon Manufacturing Company, Inc., assignee: *See*—Olie, Walter J.
- Haydon, William H., Arlington, Va. Sharpening device. 2,462,637, Feb. 22.
- Hayes, Albert E., Jr., West Hartford, Conn., assignor to Hazeltine Research, Inc., Chicago, Ill. Frequency-stabilized wave-signal apparatus. 2,461,642, Feb. 15.
- Hayes, C. Willard, assignee, as trustee: *See*—Noble, Warren.
- Hayes, Dale A., Springfield, Ill. Testing and operating table for fowls. 2,484,088, Oct. 11.
- Hayes, Edward J., and F. Winter, Chicago, Ill. Coin-holding device. 2,457,998, Jan. 4.
- Hayes, Frederick, Los Angeles, Calif. Therapeutic mattress. 2,470,398, May 17.
- Hayes, Harvey C., Washington, D. C. Acoustical sound locating device. 2,459,162, Jan. 18.
- Hayes, Harvey C., Washington, D. C. Indicator. 2,474,842, July 5.
- Hayes, Harvey C., and E. Klein, Washington, D. C. Acoustical apparatus. 2,472,107, June 7.
- Hayes, Kathleen, Montreal, Quebec, Canada. Brassière. 2,475,893, July 12.
- Hayes Manufacturing Corporation, assignee: *See*—Nelson, Augie L.
- Hayes, Millard F., assignor to The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y. Mechanism for vibrating diaphragms of pulp screens. 2,481,999, Sept. 13.
- Hayes, Ralph F.: *See*—Carswell, Thomas S., and Hayes.
- Hayes, Stanley I., assignor to Link Aviation, Inc., Binghamton, N. Y. Inclinator and compass indicating means for grounded aviation trainers. 2,485,286, Oct. 18.
- Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Metalworking apparatus. 2,481,421, Sept. 6.
- Hayes Track Appliance Company, assignee: *See*—Hayes, Stanley W.
- Hayes, Ralph F., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerized vinyl aromatic materials. 2,473,708, June 21.
- Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Wheel stop. Re. 23,180, Dec. 6.
- Hayford, Benjamin I.: *See*—Williams, Carroll M., and Hayford.
- Hayhurst, William L., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Toy wagon. 2,481,114, Sept. 6.
- Hayman, Charles M., Brooklyn, N. Y. Telegraph key. 2,469,027, Jan. 11.
- Hayman, Max and G., Battle Creek, Mich. Safety spindle. 2,463,767, Mar. 8.
- Hayne, Frank B., assignee: *See*—Schneidau, Gayle D.
- Hayner, Charles E., administrator: *See*—Brannon, Herbert E.
- Hayner, Thomas R., U. S. Army, and T. Loew, Baltimore, Md. Fluid projector. 2,479,570, Aug. 23.
- Haynes, Elizabeth E., Brighton, Mass. Drill grinder. 2,474,357, June 28.
- Haynes, Frances G., assignee: *See*—Gore, Albert J.
- Haynes, Harold E., Indianapolis, Ind., assignor to Radio Corporation of America. Reproduction of sound. 2,462,263, Feb. 22.

- Haynes, Harold E., Audubon, N. J., assignor to Radio Corporation of America. Motor speed control. 2,484,089, Oct. 11.
- Haynes, James D., Kilgore, Tex., and O. W. Lyons, Shreveport, La., assignors to The Dow Chemical Company, Midland, Mich. Spotting a fluid in a well. 2,481,422, Sept. 6.
- Haynes, James L., Glen Ellyn, Ill. Railroad freight car truck. 2,477,517, July 26.
- Haynes, Leslie C., Worcester, Mass. Implement attachment for tractors. 2,475,498, July 5.
- Haynes, Nathan M., New York, N. Y. Coil-winding machine. 2,462,393, Feb. 22.
- Haynes, Quinton, assignor of one-half to L. W. Rowlain, Atlanta, Ga. Fan attachment for sewing machines. 2,486,404, Nov. 1.
- Haynes Stellite Company, assignee: *See*—Duce, Ralph E.
- Haynor, Ethel N., assignee: *See*—Ritter, Saidee M.
- Hayot, Louis A., Paris, France. Flying machine, including features of a helicopter and an autogiro. 2,491,042, Dec. 13.
- Hays, Clyde C., Waco, Tex. Sewage treating process. 2,458,163, Jan. 4.
- Hays Corporation, The, assignee: *See*—Bailey, George B., and Ziegler, Burns, Frank D.
- Hays, John H., assignee: *See*—Harrigan, Cornelius H.
- Harrigan, C. Herbert, Wetzold, Norcross, and Van Riper.
- Hays Manufacturing Company, assignee: *See*—Miller, Wesley G.
- Hays, Robert F., Jr., Syosset, N. Y., assignor to The Sperry Corporation. Radio scanning apparatus. 2,472,824, June 14.
- Hays, Robert F., Jr., Syosset, N. Y., assignor to Specialties, Inc. Modulator circuit. 2,492,863, Dec. 27.
- Hays, Russell R., Lawrence, Kans. Wind rotor. 2,484,291, Oct. 11.
- Hays, Thomas W., Salt Lake City, Utah, assignor to The Union Switch and Signal Company, Swissvale, Pa. Gauge plate assembly. 2,465,802, Mar. 29.
- Hayter, Bruce: *See*—Breese, James L., and Hayter, Huston, Milton D., and Hayter.
- Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Horizontal burner pot and vaporizing cup. 2,467,209, Apr. 12.
- Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Semicylindrical pot-type burner. 2,475,024, July 5.
- Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Modulating control. 2,481,663, Sept. 13.
- Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Hydroxylating pot type burner. 2,483,902, Oct. 4.
- Hayter, Bruce, and M. D. Huston, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Combustion ring for pot type burners of the hydroxylating type. 2,470,699, May 17.
- Hayter, Bruce, and M. D. Huston, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Pilot stabilizer for pot type oil burners. 2,490,267, Dec. 6.
- Hayton, Earl E., Detroit, Mich. Temporary tie support. 2,465,589, Mar. 29.
- Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Electric switch. 2,472,588, June 7.
- Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Reverse current electromagnetic trip device. 2,484,664, Oct. 11.
- Hayward, John T., Tulsa, Okla., assignor to Hunt-Miller Co., Rochester, N. Y. Bilge pump. 2,476,545, July 19.
- Hayward, John T., Tulsa, Okla. Detecting gas in well drilling fluids. 2,489,180, Nov. 22.
- Hazard, Adelbert, Albuquerque, N. Mex. Grinding jig. 2,488,060, Nov. 15.
- Hazard, Barbara B., Wilmington, Ohio. Reciprocating agitator for screens. 2,490,520, Dec. 6.
- Hazel-Atlas Glass Company, assignee: *See*—Bauman, Joseph.
- Hazel, Ernest, Jr., St. Louis, Mo. Loose-leaf binder. 2,472,898, June 14.
- Hazeltine Research, Inc., assignee: *See*—Bels, Basil A.
- Bowman, David F.
- Brittain, Virgil M.
- Brunn, Robert B. J.
- Eriksen, Kenneth, and Concelman.
- Espley, Dennis C.
- Fedotoff, Nicholas V.
- Fischman, Martin.
- Gruen, Wolf J.
- Hana, Thomas C.
- Hayes, Albert E., Jr.
- Hergenrother, Rudolf C.
- Hirsch, Charles J.
- Hurst, William M.
- Larson, Gilbert C.
- Lewis, Harold M.
- Hazeltine Research, Inc., assignee: *See*—Continued.
- Loughlin, Bernard D.
- McIlwain, Knox.
- Okrent, Jasper J.
- Sturm, Rudolf E.
- Thomas, Graham I.
- Tyson, Benjamin F.
- Wheeler, Harold A.
- Hazeltine, Stacey B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,458,591, Jan. 11.
- Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Splitting machine. 2,460,934, Feb. 8.
- Hazen, Lysle L., assignor to Enterprise Machine Parts Corp., Detroit, Mich. Sheave. 2,491,464, Dec. 20.
- Hazleton, Lloyd W., Falls Church, Va., assignor to Bio-Research, Inc., Washington, D. C. Pharmaceutical preparations. 2,482,752, Sept. 27.
- Hazzard, Harry I., Los Angeles, Calif., assignor to Salsbury Corporation. Handle bar structure for motor vehicles. 2,492,283, Dec. 27.
- Head, James D.: *See*—Elderfield, Robert C., and Head.
- Head, James F., Washington, D. C. Pipe lighter. 2,472,825, June 14.
- Head, Sol, New York, N. Y. Bow tie and making same. 2,458,265, Jan. 4.
- Headley, Francis B., Pittsfield, Mass., assignor to General Electric Company. Impulse generator. 2,482,000, Sept. 13.
- Headley, Lewis M.: *See*—Forssmark, Boo H., and Headley.
- Heagle, A. R., assignee: *See*—Maves, Emil W.
- Heald, Raymond E., Plainfield, Ind. Combustion system for turbine engines. 2,472,014, May 31.
- Healy, Donald V.: *See*—Mejean, Jacques G., and Healy.
- Healy, Francis P.: *See*—Scott, James Y., Healy, and Allen.
- Healy, Francis P., assignor to Van Norman Company, Springfield, Mass. Work supporting cradle for grinding machines. 2,484,708, Oct. 11.
- Healy, John J., Jr., Brookline, M. H. Taylor, Stoneham, and F. A. Abbiati, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Pickling of stainless steels. 2,474,526, June 28.
- Healy, Joseph F., Jr., Westport, assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Connector clamp. 2,487,801, Nov. 15.
- Healy, Thomas F., assignor to Saf-Mont, Inc., Washington, D. C. Safety mounting for spectacles. 2,458,592, Jan. 11.
- Healy, Thomas F., assignor to Saf-Mont, Inc., Washington, D. C. Safety mounting for lenses. 2,458,593, Jan. 11.
- Healy, Thomas F., assignor to Saf-Mont, Inc., Washington, D. C. Safety mounting for lenses. 2,458,594, Jan. 11.
- Heany Industrial Ceramic Corporation, assignee: *See*—Langrod, Kasimir.
- Heap, Robert: *See*—McCombie, Hamilton, Saunders, Chapman, and Heap.
- Heard, Edward C., Los Angeles, assignor to Heard & Sandwall Manufacturing Corporation, Huntington Park, Calif. Scissors sharpener. 2,468,442, Apr. 26.
- Heard, Reginald, Milwaukee, Wis. Food grating and shredding device. 2,482,180, Sept. 20.
- Heard & Sandwall Manufacturing Corporation, assignee: *See*—Heard, Edward C.
- Hearn, Fred A., Jr., assignor of forty-five per cent to D. G. Grant and ten per cent to M. R. Waller, Richmond, Mo. Block stripping and height control means. 2,464,641, Mar. 15.
- Hearn, Hilton W., Houston, Tex. Lawn edger. 2,472,972, June 14.
- Hearn, Richard B., Hollis, N. Y., and C. B. Sutliff, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Universal telegraph repeater. 2,466,891, Apr. 12.
- Hearn, Richard B., Hollis, N. Y., and C. B. Sutliff, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antikickoff device for telegraph repeaters. 2,467,310, Apr. 12.
- Hearn, Richard B., Hollis, and J. A. Kreeck, New Rochelle, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,476,864, July 19.
- Hearne, George W.: *See*—Tess, Roy W., Hearne, and Yale.
- Hearne, George W., El Cerrito, D. S. La France, Richmond, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Noncatalytic halogenation of certain alkylated acrylonitriles. 2,466,641, Apr. 5.
- Hearne, George W., El Cerrito, and H. L. Yale, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of polyalkylene glycols. 2,486,024, Oct. 25.
- Hearne, George W., El Cerrito, and M. L. Adams, Modesto, assignors to Shell Development Company, San Francisco, Calif. Catalytic oxidation of hydrocarbons. 2,486,842, Nov. 1.

- Hearron, John E., Tule Lake, Calif. Tool carrier for tractors. 2,492,573, Dec. 27.
- Hearst, Jack W., Palatine, Ill., assignor to Automatic Burner Corporation. Self-leveling device. 2,475,499, July 5.
- Hearst, John R., Rosemead, Calif., assignor of 45/100 to C. E. Crosby and one-tenth to R. J. Garofalo. Motion-picture projector of the continuously moving film type. 2,487,335, Nov. 8.
- Heaston, John W., Huntington Beach, Calif. Crankpin replacement bearing construction. 2,461,273, Feb. 8.
- Heathbath Corporation, assignee: *See*—
Cini, Daniel J.
Dufault, Homer D.
Newell, Isaac L.
- Heater Corporation, The, assignee: *See*—
Conley, Arthur W.
- Heath, Alton B., Tipton, Ind. Apparatus for trenching. 2,484,709, Oct. 11.
- Heath, Charles W., near Seattle, Wash. Nut dish. 2,473,026, June 14.
- Heath, Isabelle, assignee: *See*—
Wakefield, Edwin C.
- Heath, James C.: *See*—
Halbedel, Harold S., and Heath.
- Heath, James C., and S. Z. Cardon, Cleveland, and H. S. Halbedel, Euclid, assignors to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of 3-chlorocoumarin. 2,466,657, Apr. 5.
- Heath, Robert C., W. R. Howe, and W. E. King, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making contacts. 2,473,371, June 14.
- Heath, Robert L., and E. C. Huxley, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Regraining aluminum plates. 2,476,413, July 19.
- Heath, Royden L., and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Beta-nitroalkane sulfonic acids. 2,465,803, Mar. 29.
- Heath, Thomas D., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Process of reducing ferric oxide to ferrous ferric oxide. 2,477,454, July 26.
- Heath, William C., Milwaukee, Wis. Jet pump. 2,486,649, Nov. 1.
- Heath, William C., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Making propeller tips. 2,465,872, Mar. 29.
- Heather, Harold B.: *See*—
Heggs, William H., and Heather.
- Heaton-Armstrong, Louis J., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electronic amplifier. 2,468,066, Apr. 26.
- Heaton-Armstrong, Louis J., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Direction finder. 2,489,290, Nov. 29.
- Heaton, Charles A., assignee: *See*—
Hilbert, George J.
- Heaton, James L., assignor of one-half to W. J. Heaton, Sr., Pittsburg, Kans. Closet bowl mounting base. 2,488,816, Nov. 22.
- Heaton, Walter H., Franklin, and H. H. Straw, Boston, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H. Shoemaking characterized by the employment of a special stiffener. 2,480,078, Aug. 23.
- Heaton, Warren J., Sr., assignee: *See*—
Heaton, James L.
- Heatley, James W., Pittsburg, Pa. Method of and apparatus for seeding gardens. 2,465,227, Mar. 22.
- Heavener, Howard B., Williamsville, N. Y. Safety hitch for trailers and the like. 2,464,392, Mar. 15.
- Hebebrand, George H., Berkeley City, Mo. Driving mechanism for producing gyratory movements. 2,479,682, Aug. 23.
- Hebel, Carl G., Weehawken, N. J., and R. H. Wallace, Central Nyack, N. Y., assignors to Sperry Products, Inc., Hoboken, N. J. Liquid control gear. 2,473,282, June 14.
- Heberlein, Georg: *See*—
Heberlein, Georges and Georg, Weiss, Odinga, and Risch.
- Heberlein, Georg, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Apparatus and process for crimping. 2,463,620, Mar. 8.
- Heberlein, Georges, Georg Heberlein, E. Weiss, T. Odinga, and K. Risch, Wattwil, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Producing fibrous material and the product. 2,463,618, Mar. 8.
- Heberlein Patent Corporation, assignee: *See*—
Heberlein, Georg.
Heberlein, Georges and Georg, Weiss, Odinga, and Risch.
Kunze, August.
Weiss, Ernst B.
- Hebert, John W., assignor to Valley Welding & Boiler Co., Bay City, Mich. Refuse incinerator. 2,488,405, Nov. 15.
- Hebo, Halfdan, New York, N. Y. Filter. 2,460,084, Jan. 25.
- Hechenbleikner, Ingenuin, Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of organic phosphates. 2,482,063, Sept. 13.
- Hechenbleikner, Ingenuin, Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. Condensation of acrylonitrile and dicyandiamide and product thereof. 2,489,181, Nov. 22.
- Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Triphenylmethyl butyl ether as an insecticide. 2,459,525, Jan. 18.
- Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. 1-naphthylmethyl tetradecyl ether as an insecticide. 2,459,526, Jan. 18.
- Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of chlorotriazinyl nitriles. 2,476,546, July 19.
- Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of chlorotriazinyl nitriles. 2,476,547, July 19.
- Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of triazinyl nitriles. 2,476,548, July 19.
- Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,463,535, Mar. 8.
- Hecht, George, Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code modulation receiver employing cathode-ray tube demodulators. 2,489,883, Nov. 29.
- Heckel, George M.: *See*—
Pasini, Harold C., and Heckel.
- Heckner, Raymond F., Sr., Youngstown, Ohio. Alarm clock. 2,460,634, Feb. 1.
- Heckendorn, Alphonse: *See*—
Felix, Friedrich, and Heckendorn.
Felix, Friedrich, Heckendorn, and Widmer.
- Hecker, Lawrence G., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Amphibious vehicle. 2,466,236, Apr. 5.
- Heckert, Raymond L., Hagerstown, Md. Filing device. 2,483,046, Sept. 27.
- Heckett, Eric H., assignee: *See*—
Fitterer, George R.
- Heckman, William, Longmire, Wash., assignor to the United States of America as represented by the Secretary of the Interior. Conversion unit for fire finders. 2,469,387, May 10.
- Hedding, Linnie K.: *See*—
Gilson, Robert M., and Hedding.
- Hedding, Linnie K., Wilksburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical rectifier construction. 2,490,435, Dec. 6.
- Hedenburg, Oscar F., Pittsburgh, Pa., assignor to H. W. Moburg, trustee, Toledo, Ohio. Derivatives of safrol and isosafrol. 2,485,600, Oct. 25.
- Hedfield, Reynold T., Madison, Wis. Multiple-capacity spool. 2,484,090, Oct. 11.
- Hedger, Lloyd F., Atlanta, Ga. Inside car tray holder. 2,474,943, July 5.
- Hedges, Harry O., Philadelphia, Pa., assignor to Hedges Motor Company, Seattle, Wash. Internal-combustion engine. 2,460,257, Jan. 25.
- Hedges, Lee M.: *See*—
Slack, Robert E., and Hedges.
- Hedges Motor Company, assignee: *See*—
Hedges, Harry O.
- Hedman, Evert B., assignor to Aktiebolaget Superior, Stockholm, Sweden. Cutter shaft with inclinable cutter-blade. 2,462,022, Feb. 15.
- Hedley, Norman: *See*—
Herkenhoff, Earl C., and Hedley.
- Hedrick, Albert E., assignee: *See*—
Matson, Nathan R., and Milewski.
- Hedrick, Clyde: *See*—
Ernst, Walter, and Hedrick.
- Hedrick, Gale H., assignor to Maremont Automotive Products, Inc., Chicago, Ill. Muffler. 2,457,890, Jan. 4.
- Hedström, Sven E., and A. Söderholm, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Saturable reactor regulator. 2,465,451, Mar. 29.
- Hedstrom-Union Company, assignee: *See*—
Boudreau, Alban M.
Conti, John A.
- Hedström, Sven-Eric, Ludvika, and U. Lamm, Kopparberg, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Rectifier with a voltage regulating reactor saturable by direct current. 2,470,556, May 17.
- Hedstrom-Union Company, assignee: *See*—
Boudreau, Alban M.
- Heeley, Roland: *See*—
Cole, Frank E., Goodhue, and Heeley.
- Heer, Fritz, Zurich, assignor to Promag A. G., Konolfingen, Konolfingen, Switzerland. Moistening device for envelope flaps. 2,487,440, Nov. 8.
- Heer, Jules: *See*—
Miescher, Karl, Heer, and Billeter.
- Heerdink, Robert C.: *See*—
Broady, Thomas F., Heerdink, and Marcheski.

- Heerema, Jacob, Grand Rapids, assignor to The Dow Chemical Company, Midland, Mich. Copolymerizing vinylidene chloride and vinyl chloride. 2,482,771, Sept. 27.
- Heeren, Luitjen H., Westmount, Quebec, Canada. Window. 2,482,772, Sept. 27.
- Hefelfinger, Elmer C., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Cylinder carriage. 2,463,967, Mar. 8.
- Heffernan, Robert C.: *See*—
Greenwood, Ernest J., and Heffernan.
- Heffernan, Robert C., Great Neck, N. Y. Garment hanger. 2,473,201, June 14.
- Hegbar, Howard R., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,475,960, July 12.
- Hegbar, Howard R., Princeton, N. J., assignor to Radio Corporation of America. Pulse modulator. 2,481,925, Sept. 13.
- Hegbar, Howard R., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device of the cavity resonator type. 2,489,131, Nov. 22.
- Hegeman, Andrew S., Jr.: *See*—
Harris, Fred E., Hegeman, Mitchell, and Snook.
- Hegeman, Franklin P., Union, N. J., assignor to General Motors Corporation, Detroit, Mich. Honing machine. 2,479,112, Aug. 16.
- Hegemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing β -lactones. 2,469,110, May 3.
- Heger, Kenneth J., assignee: *See*—
Heger, Linus H.
- Heger, Linus H., Hopkins, assignor to K. J. Heger, Oxboro, Minn. Dip device for minnows and the like. 2,480,924, Sept. 6.
- Heggen, Anfin S., Madison, Wis. Automobile trailer. 2,462,964, Mar. 1.
- Heggie, James, Clydebank, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine for stitching leather cases. 2,489,489, Nov. 29.
- Heggs, William H., and H. G. Heather, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for assembling and molding shoe bottom parts. 2,472,210, June 7.
- Hehenkamp, Theodorus, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Electric arc welding. 2,475,835, July 12.
- Hehenkamp, Theodorus, and K. de Jong, Eindhoven, Netherlands, assignors to General Electric Company. Control switch for electric discharge. 2,491,858, Dec. 20.
- Hehr, Clarence L.: *See*—
Wolf, Frederick L., and Hehr.
- Heiberger, Charles A., Nitro, W. Va., assignor to United States Rubber Company, New York, N. Y. Treating interpolymers of styrene, allylic fumarate, and allylic alcohol. 2,461,735, Feb. 15.
- Heldebrecht, Abraham Q., Burrton, Kans. Dead-end back tie. 2,459,644, Jan. 18.
- Heidenblut, George R., Des Plaines, assignor to Admiral Corporation, Chicago, Ill. Refrigerator. 2,484,997, Oct. 18.
- Heider, Rudolph L., and C. J. Stehman, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Making ethylene oxide. 2,458,266, Jan. 4.
- Heidmann, Leon, Jeumont, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Controller and circuit breaker for electric motors. 2,481,743, Sept. 13.
- Heifner, Wilbert G., Denver, Colo. Folding seat. 2,484,454, Oct. 11.
- Heikkinen, Charles, assignee: *See*—
Heikkinen, John.
- Heikkinen, John, assignor of thirty per cent to C. Heikkinen, Mohawk, Mich. Steering trailer hitch. 2,479,113, Aug. 16.
- Heiks, Ray E., Columbus, Ohio, assignor, by mesne assignments, to Phelps-Dodge Corporation, Anaconda Copper Mining Company, and Kennecott Copper Corporation, New York, N. Y. Antifouling composition. 2,476,372, July 19.
- Hell Co., The, assignee: *See*—
French, Henry C.
Reitz, Donald S.
- Heil, Vernon E.: *See*—
Hensel, Franz R., Wiggs, and Heil.
- Heilbron, Ian M., and E. R. H. Jones, London, England. Manufacture of 2,5 dimethylfuran and acetonylacetone. 2,470,070, May 10.
- Heilbronn, John C., Arcata, Calif. Portable golf club rack. 2,487,441, Nov. 8.
- Heilbronner, Frank S., assignor to Transparent Package Company, Chicago, Ill. Package for shirred pliable material. 2,489,490, Nov. 29.
- Heilig, Charles E., Jr., Llanerch Hills, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Light transmitting member for indicating leakage in cabinet closures. 2,465,648, Mar. 29.
- Heilgmann, Randall G.: *See*—
Hersberger, Arthur B., and Heilgmann.
- Heilman, William B., Alcoa, Tenn., and H. M. Short, Bridgeville, assignors to Aluminum Company of America, Pittsburgh, Pa. Treatment of aluminous dross. 2,481,591, Sept. 13.
- Heim Company, The, assignee: *See*—
Heim, Lewis R.
- Heim, Gustav A. M., deceased, Velp, Netherlands, by C. H. H. Heim-Hoedemakers, executrix, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Production of variable denier rayon. 2,468,666, Apr. 26.
- Heim, Gustav A. M., deceased, late of Velp, Netherlands, by C. H. H. Heim-Hoedemakers, executrix, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Recovery of gases. 2,488,665, Nov. 22.
- Heim, Howard J., assignor to Purdue Research Foundation, West Lafayette, Ind. Cathode-ray beam deflecting circuits. 2,464,393, Mar. 15.
- Heim, Lewis R., assignor to The Heim Company, Fairfield, Conn. Freeing mechanical joints. 2,476,728, July 19.
- Heim, Lewis R., assignor to The Heim Company, Fairfield, Conn. Bearing. 2,488,775, Nov. 22.
- Heim, Richard H., Cleveland, Ohio. Dashboard display apparatus comprising a rotary disk operated by a vacuum motor. 2,490,869, Dec. 13.
- Heim, William, Jr., Chicago, Ill. Safety trip mechanism for punch presses and the like. 2,492,284, Dec. 27.
- Heiman, Louis P., near Minneapolis, Minn. Pencil sharpener. 2,482,183, Sept. 20.
- Heiman, Sidney J., St. Louis, Mo. Downward forced flow air heater for rooms. 2,457,818, Jan. 4.
- Heiman, Sidney J., St. Louis, Mo. Dispensing mechanism. 2,462,394, Feb. 22.
- Heiman, Sidney J., St. Louis, Mo. Concentric shell hot-air heater. 2,462,395, Feb. 22.
- Heiman, Sidney J., St. Louis, Mo. Portable blower heater. 2,466,237, Apr. 6.
- Heimann, Heinrich, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Retaining ring assembly. 2,487,802, Nov. 15.
- Heimann, Heinrich, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Spring retaining ring. 2,487,803, Nov. 15.
- Heimann, Heinrich, assignor to Waldes Koh-I-Noor, Inc., New York, N. Y. Retaining ring. 2,491,310, Dec. 13.
- Heimann, Heinrich, New York, and R. Feitl, Brooklyn, assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Tool for handling open-ended spring retaining rings. 2,483,383, Sept. 27.
- Heimbach, Newton, and W. Kelly, Jr., Binghamton, N. Y., assignors to General Aniline & Film Corporation. Stabilizers for photographic silver-halide emulsions. 2,475,136, July 5.
- Heimbach, Newton, and W. Kelly, Jr., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. 2-[vinyl-dicarboxylic acid ester]-3-amino-1,2,4-triazoles and preparing the same. 2,476,549, July 19.
- Heim-Hoedemakers, Clementine H. H., executrix: *See*—
Heim, Gustav A. M.
- Hein, Carl C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,462,186, Feb. 22.
- Hein, Carl C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid treatment of contact surfaces for copper oxide rectifiers. 2,465,228, Mar. 22.
- Hein, Carl C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact means. 2,473,884, June 21.
- Hein, Clarence A., Denver, Colo. Sanding and finishing tool. 2,472,899, June 14.
- Hein, Robert O., Lincolnwood, Ill. Vibration testing machine. 2,466,807, Apr. 12.
- Hein, Willard C., and L. W. Winchester, Chicago, Ill., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Valve. 2,465,018, Mar. 22.
- Heine, Ferdinand H., assignor to Koehring Company, Milwaukee, Wis. Door operating mechanism for mixers. 2,470,100, May 17.
- Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Removable panel for test vessels. 2,464,809, Mar. 22.
- Heineman, Charles W.: *See*—
Thomas, Edgar B., and Heineman.
- Heineman, Arnold H., Chicago, Ill., assignor to Vacuum Process Corporation. Stratosphere chamber. 2,482,753, Sept. 27.
- Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Window for pressure chambers. 2,482,770, Sept. 27.
- Heinemann, Edward H.: *See*—
Devlin, Leo J., and Heinemann.
- Heinn Company, The, assignee: *See*—
Stevens, Clifford B.
- Heinrich, August H., Euclid, assignor to Auto Diesel Piston Ring Company, Cleveland, Ohio. Piston rod packing. 2,468,752, May 3.
- Heinrich, Helmut G., Dayton, Ohio. Nonoscillating parachute. 2,462,864, Mar. 1.

- Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of synthetic lubricating oil. 2,463,872, Mar. 8.
- Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Separation of pentene-1 from its mixtures with other C_5 olefins. 2,463,873, Mar. 8.
- Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Synthetic lubrication oil production. 2,469,725, May 10.
- Heinrich, Walter A., Richmond Heights, Mo. Clothes supporting device. 2,487,652, Nov. 8.
- Heintz Manufacturing Company, assignee: *See—*
D'Ardenne, Walter H.
Green, Samuel G., D'Ardenne, Meinel, and Devore.
Lambert, Albert L., and Franco-Ferreira.
Lambert, Francis M.
- Heintz Manufacturing Company, assignee: *See—*
Green, Samuel G., d'Ardenne, Meinel, and Devore.
- Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Generator mounting flange. 2,460,502, Feb. 1.
- Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Carburetor float mechanism. 2,461,274, Feb. 8.
- Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Transparent disk clock. 2,466,312, Apr. 5.
- Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Engine valve drive shaft. 2,487,872, Nov. 15.
- Heintz, William C., Chicago, Ill. Alarm device. 2,468,598, Apr. 26.
- Heintze, Carl P., Amityville, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter drive with resilient transmission element. 2,487,653, Nov. 8.
- Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Decorative centerpiece. 2,465,684, Mar. 29.
- Heintzelman, James A., Clifton, assignor of one-half to A. Malick, Bloomfield, N. J. Apparatus for fluid treating and for guiding parallel traveling textile strands. 2,492,574, Dec. 27.
- Heinz Manufacturing Company, Inc., assignee: *See—*
Gipson, Charles O.
- Heinz, Walter H.: *See—*
Schiermeier, Knapel F., and Heinz.
- Heinz, Winfield B.: *See—*
Melas, William, and Heinz.
- Heinz, Winfield B., Bound Brook, and A. E. Kittredge, Audubon, N. J., and J. G. Williams, Philadelphia, Pa.; said Williams assignor, by mesne assignments, to Turbo Engineering Corporation, and said Heinz and Kittredge assignors, by mesne assignments, to Penn Industrial Instrument Corporation. Control system. 2,462,097, Feb. 22.
- Heinze Electric Company, assignee: *See—*
Watson, Thomas E.
- Heinzelman, Harold H.: *See—*
Dowie, James, and Heinzelman.
- Heise, George W.: *See—*
Winslow, Nathaniel M., and Heise.
- Heise, Herman E., West Milford, assignor to Bendix Aviation Corporation, Teterboro, N. J. Transmission lubricant retainer. 2,492,041, Dec. 20.
- Heisig, Garth J.: *See—*
Fyler, George W.
- Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic resonator of the magnetron type. 2,474,898, July 5.
- Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio position indicator. 2,478,759, Aug. 9.
- Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thickness measurement. 2,484,623, Oct. 11.
- Heisman, Robert, Los Angeles, Calif. Mechanical movement. 2,470,246, May 17.
- Helsner, Donald A., assignor to The Lorain County Radio Corporation, Lorain, Ohio. Remote-control system. 2,474,527, June 28.
- Heltchue, Regis D., Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,463,035, Mar. 1.
- Helzer, Edward J., West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Yarn impregnating machine. 2,476,298, July 19.
- Hejduk, Arthur A., assignor to The Meriam Instrument Company, Cleveland, Ohio. Multiple well manometer. 2,483,384, Sept. 27.
- Hekelaar, Maarten: *See—*
Addink, Nicolaas W. H., and Hekelaar.
- Helber, Carl A., Maple Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Phase adapter. 2,480,576, Aug. 30.
- Helbush, Herman H., assignee: *See—*
Wallace, Frank C.
- Held, Fred J., Jr., and R. P. Blaine, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Plastic composition comprising vinyl resin and dicarbonate ester. 2,468,975, May 3.
- Held, Joseph E., assignor to American Cystoscope Makers, Inc., New York, N. Y. Multiple lens hand type ophthalmoscope. 2,469,388, May 10.
- Held, Joseph E., assignor to American Cystoscope Makers, Inc., New York, N. Y. Examining instrument. 2,479,237, Aug. 16.
- Held, Morris, assignee: *See—*
Thomas, George W.
- Heldenbrand, Laurance E., Oklahoma City, Okla. Vertically adjustable cattle truck. 2,466,102, Apr. 5.
- Helfenbein, Richard C.: *See—*
Zabel, William C. P., and Helfenbein.
- Helfman, Hyman, Middletown, and D. Wulfson, Dayton, Ohio. Syringe holder. 2,491,978, Dec. 20.
- Helfrecht, Fred A., assignor to National Motor Bearing Co., Inc., Redwood City, Calif. Fluid seal. 2,467,210, Apr. 12.
- Helfrick, Harry E.: *See—*
Condit, William B., Helfrick, and Poole.
- Heli-Coil Corporation, assignee: *See—*
Forster, John O., and Lang.
- Helicopters, Inc., assignee: *See—*
Jensen, Martin.
- Helligmann, Randall G.: *See—*
Hersberger, Arthur B., and Heiligmann.
- Helin, Eero E., Franklin Square, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test prod. 2,485,881, Oct. 25.
- Heliott, Maurice J., Troyes, France. Machine for treating nylon stockings. 2,492,285, Dec. 27.
- Heliote, George C., Oakland, Calif. Soap holder. 2,475,500, July 5.
- Helixon, Mathilda A., Winthrop Harbor, Ill. Nursing bottle holder. 2,462,187, Feb. 22.
- Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Roll tension device. 2,458,852, Jan. 11.
- Hellbach, Rudolph, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Self-advancing winding reel. 2,469,767, May 10.
- Heller, Bedrich: *See—*
Krassilnikian, Sarkis, and Heller.
- Heller, Douglas M., Wembley, assignor to The General Electric Company Limited, London, England. Radio wave altimeter. 2,465,723, Mar. 29.
- Heller, Herman S., assignee: *See—*
Ross, Donald E., and Stofer.
- Heller, Herman S., West Los Angeles, Calif. Magazine type magnetic recorder with multiple lane tape and traversing transducer. 2,468,198, Apr. 26.
- Heller, Israel E., assignor to Michaels Stern & Company, Incorporated, Rochester, N. Y. Marking layers of material. 2,489,640, Nov. 29.
- Heller, Joseph I., assignor to Panoramic Radio Corporation, New York, N. Y. Panoramic receiver with pulse narrowing systems. 2,472,531, June 7.
- Heller, Miriam, Brooklyn, N. Y. Fastening device for bracelets and wristbands. 2,491,977, Dec. 20.
- Heller, Oswald, assignor to Bamag, Limited, London, England. Concurrent flow drier with rotor, stationary casing, and terminal separation means for drying materials and drying fluid. 2,460,008, Jan. 25.
- Heller, Paul R.: *See—*
Baudry, Rene A., and Heller.
- Heller, Richard D., Tujunga, Calif. Wire straightener. 2,462,396, Feb. 22.
- Heller, William E., Yeadon, Pa. Protection of furnaces from slag. 2,460,347, Feb. 1.
- Helling, Raymond P., St. Louis, Mo., assignor to Curtiss-Wright Corporation. Latch mechanism. 2,465,452, Mar. 29.
- Hellings, Michael, Hudson, N. H. Boat builder's clamp. 2,464,642, Mar. 15.
- Helliwell, Ernest G., assignee: *See—*
Ransom, Jack.
- Hellman, Jacob J., Atlanta, Ga. Button card. 2,472,532, June 7.
- Hellman, Karl H., New York, N. Y., and H. N. Schmidt, Philadelphia, Pa. Indicator. 2,469,389, May 10.
- Hellmann, Jay T., Chicago, Ill. Safety razor. 2,464,083, Mar. 8.
- Hellstrom, Carl R.: *See—*
Norman, Joseph W., and Hellstrom.
- Helm, George, Philadelphia, Pa. Proofing cabinet and pan rack. 2,464,573, Mar. 15.
- Helmco, Inc., assignee: *See—*
Gunther, Frederick F.
- Helmer, Esther H.: *See—*
Helmer, Grover H.
- Helmer, Grover H.: *See—*
Hoffman, Harry W., and Helmer.
- Helmer, Grover H., deceased, St. Louis Park, Minn., by E. H. Helmer, special administratrix, St. Louis Park, assignor to Munsingwear, Inc., Minneapolis, Minn. Automatic accessory for sewing machines. 2,483,138, Sept. 27.
- Helmers, Carl J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic oil cracking with air. 2,476,729, July 19.

- Helmold, J. F., & Bro., Inc., assignee: See—**
Messersmith, George G.
- Helms, George L., assignee: See—**
Helms, Jacqueline B.
- Helms, Jacqueline B., assignor of one-half to G. L. Helms, Pacific Palisades, Calif. Cosmetic compact and applicator. 2,488,910, Nov. 22.**
- Helms, Lester L., Wingate, N. C. Child's swing. 2,464,446, Mar. 15.**
- Helms, William, Pendleton, Ind. Coating composition and making. 2,480,020, Aug. 23.**
- Helmuth, Richard E.: See—**
Ransburg, Harold P., and Helmuth.
- Helsing, Knud J., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control mechanism. 2,474,843, July 5.**
- Helstrom, Julmer, Cook, Minn. Winch power unit. 2,463,968, Mar. 8.**
- Helt, Sherman R., Mansfield, Ohio. Stovepipe and chimney coupling. 2,464,084, Mar. 8.**
- Helterline, Leo L., Jr., Danvers, assignor to Sylvania Electric Products, Inc., Salem, Mass. Resistance apparatus for converting mechanical movement into electrical pulses. 2,472,770, June 7.**
- Heitzel, Francis O., Chicago, Ill. Expansion pocket for dowel bars. 2,476,243, July 12.**
- Heltzer, Harry: See—**
Davis, Edward P., and Heltzer.
- Helwig, Wilbur R., Baltimore, Md. Circle cutting blow-pipe machine. 2,469,112, May 3.**
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Spring testing scales. 2,458,704, Jan. 11.**
- Hembree, Raymond O., Madison, Ala. Metal awning. 2,465,724, Mar. 29.**
- Hemker, Arthur H., Schenectady, N. Y., assignor to General Electric Company. Livestock watering device. 2,479,355, Aug. 16.**
- Hemker, Herman W., Euclid, and D. L. Eppink, assignors to The Parker Appliance Company, Cleveland, Ohio. Coating magnesium and magnesium alloys. 2,458,073, Jan. 4.**
- Hemmeter, George T., Berkeley, Calif. Dynamic balancer. 2,461,643, Feb. 15.**
- Hemming, Charles B., New Rochelle, assignor to United States Plywood Corporation, New York, N. Y. Apparatus for making plywood tubing. 2,477,180, July 26.**
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for contacting gaseous fluids with solids. 2,459,425, Jan. 18.**
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Producing gasoline. 2,464,505, Mar. 15.**
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Recovery of hydrocarbon oil. 2,471,107, May 24.**
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Two-stage gaseous reduction of iron ore. 2,481,217, Sept. 6.**
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Preparing catalyst particles having nuclei of previously calcined fines. 2,481,841, Sept. 13.**
- Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Contacting gaseous fluid with solid particles. 2,487,132, Nov. 8.**
- Hemmingway, Joseph J., Paxton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread guard for pneumatic thread removers. 2,490,436, Dec. 6.**
- Hemp, Joseph L., Macomb, Ill. Insulated container. 2,481,664, Sept. 13.**
- Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Forming synthetic elastomeric butadiene copolymers. 2,467,382, Apr. 19.**
- Hemphill, Arthur D., Minneapolis, Minn. Outdoor exposed louver. 2,466,948, Apr. 12.**
- Hemphill Company, assignee: See—**
Fregeolle, Oscar.
- Hemphill, Eugene.**
- Hemphill, Ralph, assignee: See—**
Delmonte, John.
- Hencinski, Frank: See—**
Freeman, Howard G., and Hencinski.
- Hencke, William S., and C. H. Sand, Willoughby, Ohio. Field defining attachment for cameras. 2,466,171, Apr. 5.**
- Hender, George H., San Leandro, Calif. Open-top refrigerated display case. 2,463,104, Mar. 1.**
- Henderson, Alam S., assignee: See—**
Henderson, Elden O.
- Henderson, Albert, assignor, by mesne assignments, to The Cementstone Corporation, Pittsburgh, Pa. Precast concrete corrugated connection. Re. 23,074, Jan. 11.**
- Henderson, Arthur B., assignor to H. J. Turney, Vancouver, British Columbia, Canada. Hoisting hook. 2,462,965, Mar. 1.**
- Henderson, E. O., and Sons, assignee: See—**
Henderson, Elden O.
- Henderson, Elden O., Springfield, Mo., assignor to A. S. Henderson, Oklahoma City, Okla. Refrigerating apparatus. 2,476,491, July 19.**
- Henderson, Elden O., assignor to E. O. Henderson and Sons, Oklahoma City, Okla. Refrigerated case. 2,492,695, Dec. 27.**
- Henderson, Elting, Whittier, Calif. Pipe-joint test plug. 2,481,013, Sept. 6.**
- Henderson, George M.: See—**
Biggs, Norris W., and Henderson.
- Henderson, Ira W., Detroit, Mich., and H. T. Nilsen, Mathews, Va., assignors to Raymond Concrete Pile Company, New York, N. Y. Lifting slip-joint. 2,467,826, Apr. 19.**
- Henderson, Kenneth L., Rochester, N. Y., assignor to Stromberg-Carlson Company. Tuning mechanism. 2,482,181, Sept. 20.**
- Henderson, Lloyd F., Reading, assignor to Lever Brothers Company, Cambridge, Mass. Soap product containing guanidine stearate. 2,459,818, Jan. 25.**
- Henderson, Lloyd F., Reading, and L. H. Libby, Boston, assignors to Lever Brothers Company, Cambridge, Mass. Bleaching oils and fats. 2,468,753, May 3.**
- Henderson, Lloyd F., Reading, and L. H. Libby, Boston, assignors to Lever Brothers Company, Cambridge, Mass. Bleaching fats and oils. 2,483,413, Oct. 4.**
- Henderson, Lloyd F., Reading, and L. H. Libby, Boston, assignors to Lever Brothers Company, Cambridge, Mass. Bleaching fats and oils and making soap therefrom. 2,483,414, Oct. 4.**
- Henderson, Nelson H., Syracuse, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Clothes washer. Re. 23,070, Jan. 4.**
- Henderson, Prentice M., and L. H. Gatter, St. Louis, Mo. Window frame and double sash unit. 2,471,685, May 31.**
- Henderson, Robert D., Cincinnati, Ohio. Self-adjusting and locking wheel supporting device. 2,481,926, Sept. 13.**
- Henderson, Robert M., North Plainfield, and J. C. Ten Eyck, Flemington, assignors, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Charging hopper for truck mixes. 2,489,885, Nov. 29.**
- Henderson, Roe P., assignor to The Springfield Leather Products Co., Springfield, Ohio. Billfold with gusset pocket. 2,473,056, June 14.**
- Henderson, Roy A., West Collingswood, N. J., assignor to Radio Corporation of America. Modulation. 2,463,275, Mar. 1.**
- Henderson, Scott W., assignor to V. P. Williams, doing business as C. I. Togstad Company, Kokomo, Ind. Leg and sleeve stretcher. 2,461,381, Feb. 8.**
- Henderson, Stanford, assignor to Gomco Surgical Manufacturing Corp., Buffalo, N. Y. Heating chamber for thermotic pumps or the like. 2,465,685, Mar. 29.**
- Henderson, Stanford A., assignor to Gomco Surgical Manufacturing Corp., Buffalo, N. Y. Tidal irrigator and cystometer. 2,486,405, Nov. 1.**
- Henderson, Thomas J., Bayport, N. Y. Releasable shackle. 2,459,223, Jan. 18.**
- Hendley, Cornelia S., executrix: See—**
Hendley, Flavius J.
- Hendley, Flavius J., deceased, Chattanooga, Tenn., by Cornelia S. Hendley, executrix, Columbia, Tenn. Wire tongs for holding or displacing energized conductors of transmission lines or the like. 2,478,579, Aug. 9.**
- Hendren, Robert R., assignor to McFeely Brick Company, Latrobe, Pa. Refractory and producing the same. 2,465,375, Mar. 29.**
- Hendrich, Henry A.: See—**
Johnson, Reynold B., and Hendrich.
- Hendrick, Joseph V., Klamath Falls, Ore. Painter's masking shield. 2,482,977, Sept. 27.**
- Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,462,397, Feb. 22.**
- Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,467,620, Apr. 19.**
- Hendricks, Henry S., assignee: See—**
Herzig, Leonard A., and Coan.
- Hendricks, Homer D., Seattle, Wash. Portable golf tee support. 2,461,601, Feb. 15.**
- Hendricks, Homer D., Seattle, Wash. Flexible golf tee. 2,470,817, May 24.**
- Hendricks, John R., assignee: See—**
Seiders, Le Roy E.
- Hendricks, Will S., assignor of one-half to P. Castillow, Wichita Falls, Tex. Support and guide for drill stems. 2,470,983, May 24.**
- Hendricks, William L., Los Angeles, Calif. Magnetically operated stirrer for mixing liquids. 2,459,224, Jan. 18.**
- Hendricks, William L., Los Angeles, Calif. Antiglare rearview mirror attachment. 2,471,524, May 31.**
- Hendrickson, Benjamin W., Brooklyn, N. Y. Hair curler. 2,492,636, Dec. 27.**
- Hendrickson, Benjamin W., Brooklyn, N. Y. Hair curler. 2,492,637, Dec. 27.**
- Hendrickson, Ellis C., assignor to Kurt F. J. Kirsten, Seattle, Wash. Multiplex bevel gearing. 2,475,283, July 5.**
- Hendrickson, Luther G.: See—**
Dahlgren, Dwight J. A., Hendrickson, and Griffith.

- Hendrickson, Luther G., Flin Flon, Manitoba, assignor to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Filter apparatus for purifying fluids. 2,480,732, Aug. 30.
- Hendrix, John F., Munday, Tex. Hoe stand. 2,474,579, June 28.
- Hendrix, Hurshel V.: *See*—
Chapman, Charles C., and Hendrix.
- Hendrixson, Charles E., Jr., Nitro, W. Va., and C. W. Cox, United States Army, assignors to American Viscose Corporation, Wilmington, Del. Machine for mounting seals on bale straps. 2,489,377, Nov. 29.
- Hendry, Adoniram J., Chicago, Ill. Golf practice range. 2,490,961, Dec. 13.
- Hendry, David: *See*—
Kasper, Theodore C., and Hendry.
- Hendry, James A.: *See*—
Fishburn, Arthur G., Hendry, and Francis.
- Hendry, Norman, Ealing, London, and J. A. Laird, Coventry, assignors to Rotax Limited, London, England. Electric spark gap. 2,491,979, Dec. 20.
- Hendy, Joshua, Iron Works, assignee: *See*—
Talamini, Elio J.
- Hengemel, John B., Fort Thomas, Ky. Storm door with utility opening. 2,488,724, Nov. 22.
- Hengstler, John, Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Holder for use in reclaiming broken cutting tools. 2,464,574, Mar. 15.
- Henke, Wesley G., assignee: *See*—
Schmidtke, Edward H.
- Henkel, Andrew B., Rochester, N. Y. Slip-on jacket for molds. 2,472,015, May 31.
- Henkel, Ferdinand J., Royal Oak, assignor to Lamina Dies and Tools, Inc., Berkley, Mich. Machine tool. 2,469,920, May 10.
- Henkes, Peter M., and F. Steinbrecker, assignors to George Gorton Machine Company, Racine, Wis. Mounting for tracers. 2,490,128, Dec. 6.
- Henley, Charles V., Stone Mountain, Ga. Cotton picker. 2,489,963, Nov. 29.
- Henley, Robert H., assignee: *See*—
Pennington, Neal A.
- Henly, Albert G., and V. W. J. Prince, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Hydraulically-actuated apparatus. 2,492,477, Dec. 27.
- Henn, Richard W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer antioxidants. 2,458,376, Jan. 4.
- Henn, Richard W., and J. I. Crabtree, assignors to Eastman Kodak Company, Rochester, N. Y. Fine-grain developers. 2,466,423, Apr. 5.
- Henn, Richard W., and J. I. Crabtree, assignors to Eastman Kodak Company, Rochester, N. Y. Water spot prevention in photographic film. 2,490,760, Dec. 6.
- Henne, Julius A., Rochester, assignor to Webster Industries, Inc., Webster, N. Y. Fastening means for camera covers. 2,474,397, June 28.
- Henne, Julius A., Rochester, assignor to Webster Industries, Inc., Webster, N. Y. Film winding mechanism for cameras. 2,481,665, Sept. 13.
- Hennes, Christopher M., Stevens Point, Wis. Garment holder. 2,479,356, Aug. 16.
- Hennessey, Russell J., assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton molding apparatus. 2,490,299, Dec. 6.
- Hennessey, James J., Montclair, N. J. Journal lubricator structure. 2,487,133, Nov. 8.
- Hennessey, John J., Fairhaven, Mass. Compounding and treating dough for baked products. 2,478,099, Aug. 2.
- Hennessey, Mark M., assignor to Durant Manufacturing Co., Milwaukee, Wis. Sensitive switch actuator. 2,460,695, Feb. 1.
- Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Evaporative condenser arrangement. 2,483,540, Oct. 4.
- Hennigar, Theodore R., Chester Basin, and H. B. MacKay, Mahone Bay, Nova Scotia, Canada. Permutation system of series circuit control. 2,490,906, Dec. 13.
- Henniker, Reginald C., Ponders End, England. Variable inductor. 2,463,108, Mar. 1.
- Henning, George E.: *See*—
Hanson, Estyle D., Henning, and Nelson.
- Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing nonmetallic plastic material. 2,471,324, May 24.
- Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Twisting machine. 2,475,427, July 5.
- Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Extruding and processing apparatus. 2,486,474, Nov. 1.
- Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for plasticizing and straining plastic material. 2,488,595, Nov. 22.
- Henning, George E., and C. E. Lewis, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic stop motion for knitting machines and the like. 2,459,426, Jan. 18.
- Henning, Leslie G., Cleveland, and F. L. Sessions, Lakewood, Ohio; said Henning assignor to said Sessions. Making cord. 2,466,808, Apr. 12.
- Henning, Leslie G., Cleveland, and F. L. Sessions, Lakewood, Ohio, said Henning assignor to said Sessions. Textile cord and process of making it. 2,485,153, Oct. 18.
- Henning, William W., Riverside, Ill., assignor to International Harvester Company. Hydraulic control system for steering-by-driving mechanism. 2,468,628, Apr. 26.
- Henninger, Andrew F., and G. D., and R. W. Reitherman, Chicago, Ill.; said Reitherman assignor of one-sixth of the whole to said A. F. Henninger and one-sixth of the whole to said G. D. Henninger. Electron discharge device. 2,457,891, Jan. 4.
- Henninger, Cecelia L., St. Louis, Mo. Protective garment. 2,482,182, Sept. 20.
- Henninger, George D., assignee: *See*—
Henninger, Andrew F., Henninger, and Reitherman.
- Hennings, William E., Springfield, Mass. Light fuel injector. 2,458,377, Jan. 4.
- Henningsen, Emanuel J., Grand Rapids, Mich. Boat trailer combination. 2,460,935, Feb. 8.
- Henzo, Edward, Fayetteville, Ark. Sewerage disposal machine. 2,489,454, Nov. 29.
- Henrard, Fernand J. J., assignor to Ecremeuses Melotte, Société Anonyme, Remicourt, Belgium. Metallic churns and butter kneaders having no kneading rollers. 2,481,842, Sept. 13.
- Henrard, Fernand J. J., assignor to Ecremeuses Melotte, Société Anonyme, Remicourt, Belgium. Cone disk type centrifugal separator bowl. 2,483,342, Sept. 27.
- Henricks, John A.: *See*—
Orozco, Gilbert H., and Henricks.
- Henricksen, Kenneth and W. P., Petaluma, Calif. Emergency brake control mechanism for motor vehicles. 2,465,804, Mar. 29.
- Henricksen, Kenneth and W. P., Petaluma, Calif. Oil pan mounting for motor vehicles. 2,475,836, July 12.
- Henricksen, Walter P.: *See*—
Henricksen, Kenneth and W. P.
- Henriet, Pierre M. E.: *See*—
Cahen, Francois M., Chevallier, and Henriet.
- Henrikson, Karl E., Indianapolis, Ind. Radial clearance gauge. 2,468,875, May 3.
- Henry, Albert R., Salina, assignor to Henry Manufacturing Company, Inc., Topeka, Kans. Blade mounting for grading machines. 2,460,348, Feb. 1.
- Henry, Arthur, St. Paul, Minn. Swing. 2,487,708, Nov. 8.
- Henry, Beniah L., New York, N. Y. Key for key operated machines. 2,484,886, Oct. 18.
- Henry, Curtis R., Youngstown, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Arc cutting of metal and electrode therefor. 2,486,281, Oct. 25.
- Henry, Earle G., Wilmette, Ill., assignor to Buckley Music System, Inc. Phonograph record changer. 2,476,865, July 19.
- Henry, Earle G., Wilmette, Ill., assignor to Buckley Music System, Inc. Multiple plunger selector system. 2,489,576, Nov. 29.
- Henry, Earle G., Wilmette, Ill., assignor to Buckley Music System, Inc. Coin-controlled system. 2,489,577, Nov. 29.
- Henry, Ferdinand G., Jersey City, and G. W. Stark, Bergenfield, N. J. Method and apparatus for ophthalmic measurements. 2,491,312, Dec. 13.
- Henry, Guy J., Arlington Heights, Ill. Spring floated valve head. 2,470,700, May 17.
- Henry, James E., and L. W. Crouch, Dayton, Ohio. Photogrammetric caliper. 2,474,248, June 28.
- Henry, James M., Needham, Mass., assignor to American Telephone and Telegraph Company. Radio beacon system. 2,472,158, June 7.
- Henry, James W., Gooding, Idaho. Rotating cylinder type of bean cleaning machines. 2,458,267, Jan. 4.
- Henry Manufacturing Company, Inc., assignee: *See*—
Henry, Albert R.
- Henry, Maynard E., Sr., and W. P. Carbaugh, Chambersburg, Pa. Mothproof container. 2,462,966, Mar. 1.
- Henry, Millard M.: *See*—
Dickey, John W., and Henry.
- Dickey, John W., Henry, and Riggen.
- Henry, Shala W., Westwood, assignor to Boston Envelope Co., Dedham, Mass. Registering device for envelope blanks. 2,474,944, July 5.
- Henry, William K., Richmond Beach, Wash. Clothesline mounting means. 2,464,575, Mar. 15.
- Henschen, Edgar, and S. W. Dennis, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closing apparatus. 2,473,523, June 21.
- Henschke, Ulrich K., and H. A. Mauch, Dayton, Ohio. Leg prosthesis. 2,480,856, Sept. 6.
- Henschke, Ulrich K., and H. A. Mauch, Dayton, Ohio. Leg prosthesis. 2,489,291, Nov. 29.
- Henschke, Ulrich K., and H. A. Mauch, Dayton, Ohio. Turntable foot for leg prostheses. 2,490,806, Dec. 13.
- Hense, Otto P.: *See*—
Chubb, Melvin F., and Hense.
- Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Spark plug. 2,470,033, May 10.

- Hensel, Franz R., J. W. Wiggs, and V. E. Heil, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact formed of a ruthenium composition. 2,470,034, May 10.
- Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical contacting element. 2,490,214, Dec. 6.
- Hensel, Walter C., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Detachable clip suspended wall. 2,480,241, Aug. 30.
- Henshaw, William M., London, Ontario, Canada. Fishing rod handle. 2,484,223, Oct. 11.
- Hensley, Claude H., Dallas, Tex., assignor to Gaylord Container Corporation, St. Louis, Mo. Folded-blank box tray. 2,459,645, Jan. 18.
- Hensley, William H.: *See*—
Johnston, Franklin, and Hensley.
- Henson, Robert T., and G. L. Wheelock, Akron, Ohio, and L. H. Riggs, Maywood, Ill., assignors to The B. F. Goodrich Company, New York, N. Y. Associating plastic materials and compounding ingredients. 2,485,287, Oct. 18.
- Henss, Richard W.: *See*—
Hartscock, Robert E., and Henss.
- Henstridge, Alec G., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Heat exchanger. 2,479,071, Aug. 16.
- Henney, Louis G.: *See*—
Greenstein, Jesse L., and Henney.
- Henze, Henry R., Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich. 5-alkoxy-alkyl, 5-cyclohexyl hydantoins. 2,460,747, Feb. 1.
- Henzel, George L.: *See*—
Kauffel, Adolf W., and Henzel.
- Hepburn, William M., Ottawa Hills, and H. B. Barber, assignors to Surface Combustion Corporation, Toledo, Ohio. Combustion apparatus for use with turbines. 2,488,911, Nov. 22.
- Hepner, Franklin R.: *See*—
Lucas, Howard J., and Hepner.
- Hepp, Gerard: *See*—
Boelens, Willem W., Hepp, van Slooten, and van Ingen Schenau.
- Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stabilized frequency modulator. 2,470,892, May 24.
- Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for modulating an electric signal. 2,470,893, May 24.
- Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for phase modulation of electric oscillations. 2,486,843, Nov. 1.
- Hepp, Gerard, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stabilizing circuit for frequency-modulated oscillators. 2,491,921, Dec. 20.
- Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for stabilizing a frequency modulated oscillator. 2,491,922, Dec. 20.
- Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization process. 2,461,545, Feb. 15.
- Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,463,768, Mar. 8.
- Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of aluminum halide from aluminum halide-hydrocarbon complex. 2,464,682, Mar. 15.
- Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of benzene and homologues thereof. 2,483,492, Oct. 4.
- Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,488,190, Nov. 15.
- Hepp, Harold J., and H. R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Purification of hydrocarbons. 2,458,777, Jan. 11.
- Hepp, Harold J., and H. R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of metal halides. 2,485,050, Oct. 18.
- Hepp, Harold J., and H. R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company. System for adding solids to liquids under pressure. 2,486,650, Nov. 1.
- Hepp, Peter P., Aberdeen, Md. Clip retaining tool. 2,470,309, May 17.
- Heppenstall Company, assignee: *See*—
Schogren, Carl E.
- Herald, Dorothy H., assignee: *See*—
Hayden, David H.
- Herard, Archibald J., Jr.: *See*—
Bergstrom, Carl P., and Herard, Jr.
- Herbelin, F. J., assignee: *See*—
Taylor, Sam Y.
- Herber, Leonard, Minneapolis, Minn. Butter dispensing machine. 2,473,057, June 14.
- Herbert, Elmer H., assignor to Oliver United Filters Incorporated, Oakland, Calif. Valve for overflow system. 2,459,527, Jan. 18.
- Herbert, Frederick, New Orleans, La. Master starter cable. 2,479,834, Aug. 23.
- Herbert, Sidney J.: *See*—
Thorpe, James W., Bussell, and Herbert.
- Herbert, William B., Ridgewood, N. J. Jig nut. 2,464,133, Mar. 8.
- Herbig, Henry F.: *See*—
Deakin, Gerald, and Herbig.
- Herbold, Emil, and H. D. Larson, Chicago, Ill. Cycle lock. 2,464,683, Mar. 15.
- Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Instrument for landing aircraft. 2,489,218, Nov. 22.
- Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Apparatus, including an altimeter for aiding the landing of aircraft. 2,489,219, Nov. 22.
- Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Light-sensitive altitude and direction indicator. 2,489,220, Nov. 22.
- Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Craft locating apparatus. 2,489,221, Nov. 22.
- Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Electric means for indicating the altitude and position of a craft when landing on a runway. 2,489,222, Nov. 22.
- Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Anticollision apparatus. 2,489,221, Nov. 22.
- Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Automatic navigating instrument for craft guidance. 2,492,148, Dec. 27.
- Herbolsheimer, Glenn, Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating metallic sodium from high molecular weight polymers made by polymerization of vinyl compounds. 2,458,378, Jan. 4.
- Herbolsheimer, Glenn, Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparing an addition product of 1,3 butadiene and furfural. 2,483,903, Oct. 4.
- Herbolsheimer, Roger C., Garrett, Ind. Furniture. 2,474,668, June 28.
- Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,472,826, June 14.
- Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,472,827, June 14.
- Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,472,828, June 14.
- Herbst, Harry T., Roselle, N. J., assignor to The Linde Air Products Company. Fluid cooled gas blanketed arc-welding torch. 2,468,805, May 3.
- Herbst, Harry T., Roselle, N. J., assignor to The Linde Air Products Company. Water-cooled gas blanketed arc-welding torch. 2,468,807, May 3.
- Herbst, Philip J.: *See*—
Wolff, Irving, and Herbst.
- Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Traffic control system. 2,490,263, Dec. 6.
- Herbst, Robert L., assignee: *See*—
Dorschner, Leland E.
- Herbst, Robert M.: *See*—
Harvill, Edward K., and Herbst.
- Herbst, Walter A., Union, N. J., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,467,803, Apr. 19.
- Herbster, Harry R., Cleveland, Ohio. Work rest for centerless grinders. 2,464,246, Mar. 15.
- Herchenrider, Henry R., Mount Lebanon, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Contact roll for abrasive belts. 2,477,602, Aug. 2.
- Herchenroeder, Louis W.: *See*—
King, George E., and Herchenroeder.
- Hercik, Lad L., Lakewood, Ohio. Method of and apparatus for rectifying distortion in metal bodies. 2,486,844, Nov. 1.
- Hercules Powder Company, assignee: *See*—
Amberg, Lyle O.
Baker, Arthur W.
Benoit, George J., Jr.
Bishop, William T., Lorand, and Reese.
Borglin, Joseph N., and Cox.
Breslow, David S.
Bried, Edward A.
Buntin, George A.
Darling, Robert B.
Dodson, Alfred M.
Dreshfield, Arthur C.
Eberl, James J.
Eberl, James J., and Trelfa.
Ender, Clarence D.
Erkko, Eero O., and Trelfa.
Finlayson, Alexander S.
Fox, Herman, and Kneisley.
George, Richard S.
Glaeser, Alfred L.
Grampp, Harold J.
Hanley, Edward J.
Johnson, Harold E.
Johnson, Harold E., and Spurlin.
Jones, William D.
Kneisley, Joseph W.

Hercules Powder Company, assignee: *See*—Continued.

Long, John H., and Sheffield.
 Lorand, Eugene J.
 Lorand, Eugene J., and Reese.
 Morris, Bert M.
 Morton, John B.
 Myers, William H.
 Nachod, Julius E., Rideout, and Shapleigh.
 Oswald, Frank G.
 Pratt, Yolanda T.
 Putnam, Stearns T.
 Riley, John E.
 Rosher, Ronald.
 Rummelsburg, Alfred L.
 Schertz, Glenwood L.
 Shively, James F., Sr.
 Zebree, David T.

Hercules Steel Products Corporation, assignee: *See*—
 Biszantz, Fred and R.

Herdle, Lloyd E.: *See*—

Richter, George A., and Herdle.

Herdle, Lloyd E., and E. L. Perkins, assignors to Eastman Kodak Company, Rochester, N. Y. Continuously esterifying cellulose. 2,484,455, Oct. 11.

Herdman, George H., Takoma Park, D. C. Collapsible ironing board. 2,491,311, Dec. 13.

Hérens, André, Paris, France. Cellulose saccharification. 2,474,669, June 28.

Heresite & Chemical Company, assignee: *See*—
 Hempel, Charles H.

Herfurth, Charles: *See*—

Hassman, Fred A., and Herfurth.

Hergenrother, Rudolf C., Beechhurst, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ionic vacuum pump. 2,460,175, Jan. 25.

Hergner, Wenzel J., McKeesport, Pa. Safety brake or rough lock. 2,483,048, Sept. 27.

Heritage, Clark C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Surface fluxing coated liner. 2,474,398, June 28.

Héritier, Henri, Geneva, Switzerland. Clamp for rods and tubular members. 2,460,176, Jan. 25.

Herkenhoff, Earl C.: *See*—

Booth, Robert B., and Herkenhoff.

Herkenhoff, Earl C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of iron ores. 2,466,987, Apr. 12.

Herkenhoff, Earl C., and N. Hedley, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Recovery of precious metal values by cyanidation. 2,479,930, Aug. 23.

Herman, Clairmont J.: *See*—

Sharrow, Robert F., and Herman.

Herman, Harold M., Chicago, Ill. Telegraphic code teacher. 2,473,749, June 21.

Herman, Leo H., St. Louis, Mo. Bobber for fishlines. 2,484,946, Oct. 18.

Herman, Neil B., New York, N. Y. Machine tool. 2,466,768, Apr. 12.

Herman Pneumatic Machine Company, assignee: *See*—

Renkenberger, Tirzah A.

Herman, Ralph E., Norbeck, S. Dak. Lock for hay rakes. 2,488,061, Nov. 15.

Herman, Raymond J.: *See*—

Frischmann, Joseph A., and Herman.

Hermanni, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Powder dispensing container. 2,480,733, Aug. 30.

Hermanni, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Tablet box. 2,491,264, Dec. 13.

Hermanni, Louis, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Tablet box. 2,492,864, Dec. 27.

Hermann, Ben F., New York, N. Y. Combination switch and rheostat. 2,492,286, Dec. 27.

Hermann, Clarence C., Grosse Pointe Park, Mich., assignor to C. B. Schneible. Separating apparatus. 2,469,197, May 3.

Hermann, Heinrich, Valley Stream, assignor to Bendix Aviation Corporation, Brooklyn, N. Y. Pressure responsive mechanism. 2,475,894, July 12.

Hermanson, Donald A., Plainfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Selective sorption process. 2,487,804, Nov. 15.

Hermanson, Donald A., Plainfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Selective sorption process. 2,487,805, Nov. 15.

Hermanson, Donald A., Plainfield, and J. L. Biles, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Deasphalting process. 2,487,806, Nov. 15.

Hermanson, Kenneth H., Minneapolis, Minn. Dual fire-place heater. 2,484,292, Oct. 11.

Hermanson, Robert W.: *See*—

Morton, William, and Hermanson.

Hermanson, William A., Boston, Mass. Sanitary pad. 2,468,876, May 3.

Hermanson, William A., Brookline, Mass. Soap powder packet. 2,470,851, May 24.

Hermanson, William A., Brookline, Mass. Heat sealed bag. 2,475,241, July 5.

Hermetikkindustriens Laboratorium, assignee: *See*—
 Mathiesen, Erling.

Hernqvist, Anders G. W.: *See*—

Frisk, N. P. W., and Hernqvist.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,489,132, Nov. 22.

Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,462,496, Feb. 22.

Herold, James L., St. Louis, W. J. Nekola, Normandy, and F. W. Wehmiller, Ladue, assignors to Barry, Wehmiller Machinery Company, St. Louis, Mo. Apparatus for varying the temperatures of traveling containers. 2,466,769, Apr. 12.

Herold, Robert E., assignor to The Weatherhead Company, Cleveland, Ohio. Fitting. 2,460,635, Feb. 1.

Herold, Walter F., Easton, assignor to The Bassick Company, Bridgeport, Conn. Wheel mounting. 2,487,134, Nov. 8.

Herr, Benjamin F., Jr., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Resolution of tar bases. 2,489,884, Nov. 29.

Herr, Donald L., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Switching system. 2,483,281, Sept. 27.

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler. 2,461,470, Feb. 8.

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler. 2,461,546, Feb. 15.

Herr Manufacturing Company, Inc., assignee: *See*—

Atwood, Hyatt B., and Fillingier.

Herr, Harvey E.

Herr, Russell E., Mount Ephraim, and L. E. Anderson, Collingswood, N. J., assignors to Radio Corporation of America. Cooled electrical apparatus. 2,492,747, Dec. 27.

Herren, Bernard A., assignee: *See*—

Haffey, Bernard P.

Herrera, Juan H., Habana, Cuba. Water heater for infusions. 2,464,862, Mar. 22.

Herreshoff, Alexander G., Grosse Pointe, and W. Lamb, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Inverted V-type engine. 2,468,976, May 3.

Herrick, Edward P.: *See*—

Allison, Kenneth C., and Herrick.

Herrick, Guy S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of crystal violet. 2,461,896, Feb. 15.

Herrick, Malcolm P., Rochester, N. Y., assignor to Stromberg-Carlson Company. Loop antenna circuit. 2,483,047, Sept. 27.

Herrick, Ralph R., Pittsburgh, Pa. Fuel mileage calculator. 2,489,030, Nov. 22.

Herrick, Roswell H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voice operated control circuit. 2,468,553, Apr. 26.

Herrick, Roswell H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Antisignaling gain controlled repeater. 2,472,211, June 7.

Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic bypass for repeaters. 2,478,395, Aug. 9.

Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Ringing system for voice current repeaters. 2,491,263, Dec. 13.

Herrick, Roswell H., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Radio direction finder. 2,462,188, Feb. 22.

Herrick, Roswell H., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voice operated control circuit for two-way signal transmission systems. 2,468,552, Apr. 26.

Herring-Hall-Marvin Safe Company, assignee: *See*—

Adams, William E.

Herrington, Harold E., Wichita, Kans. Interest factor calculator. 2,486,945, Nov. 1.

Herrington, Harold W.: *See*—

Garvin, John S., and Herrington.

Herrington, Lovie E., Hamden, Conn., assignor, by mesne assignments, to Electric Heat Devices, Inc., Pittsburgh, Pa. Heater. 2,469,466, May 10.

Herriott, Irving, Chicago, assignor of one-half to D. M. Davis, Oak Park, Ill. Keyholder. 2,473,428, June 14.

Herrmann, Carl V., and L. A. Myers, assignors to E. I. du Pont de Nemours and Company, Wilmington, Del. Process and apparatus for the production of oleum. 2,466,767, Apr. 12.

Herrmann, Edgar H.: *See*—

Williams, Francis J., and Herrmann.

Herrmann, John G., Baldwin, assignor to Conveyor & Machinery Manufacturers, Inc., New York, N. Y. Gathering machine. 2,470,557, May 17.

Herrnfeld, Frank P., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Amplifier for underwater listening apparatus. 2,487,135, Nov. 8.

Herrod, Lucius B.: *See*—

Nave, Delmer J., Jr., and Herrod.

Herron, Wingo, Charlotte, N. C. Lug strap support for textile looms. 2,467,260, Apr. 12.

- Hersam, George R.: *See*—
Holst, William H., and Hersam.
- Hersberger, Arthur B., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of alpha alkyl styrenes. 2,472,589, June 7.
- Hersberger, Arthur B., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of olefinic hydrocarbons with Friedel-Crafts catalysts. 2,474,671, June 28.
- Hersberger, Arthur B., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of aluminum sulfonate. 2,491,043, Dec. 13.
- Hersberger, Arthur B., Drexel Hill, and R. G. Heiligmann, Yeadon, assignors to The Atlantic Refining Company, Philadelphia, Pa. Production of propylene polymers. 2,474,670.
- Hersberger, Arthur B., Drexel Hill, and R. G. Heiligmann, Yeadon, assignors to The Atlantic Refining Company, Philadelphia, Pa. Low-temperature Friedel-Crafts polymerization of alpha alkyl styrenes in carbon disulfide solution. 2,479,618, Aug. 23.
- Hersberger, Arthur B., Drexel Hill, and F. J. Gozlow, assignors to The Atlantic Refining Co., Philadelphia, Pa. Mineral aggregate bonding compositions. 2,482,586, Sept. 20.
- Herschede, Walter J., Cincinnati, W. F. Herschede, Forestville, and W. N. Woodruff, Cincinnati, Ohio, assignors to International Vehicular Parking, Ltd. Parking meter and coin slot therefor. 2,481,423, Sept. 6.
- Herschede, William F.: *See*—
Herschede, Walter J. and W. F., and Woodruff.
- Herschensohn, Arthur M., Scarsdale, N. Y. Hair net. 2,475,320, July 5.
- Herschowitz, Samuel, Bowie, Md. Necktie holder or rack. 2,476,091, July 12.
- Hersey, Donald S., East Hartford, and A. E. Brown, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Automatic temperature control apparatus. 2,460,748, Feb. 1.
- Hersey, Henry J., Jr., Seattle, Wash., assignor to American Ventilating Hose Co., New York, N. Y. Hose. 2,475,389, July 5.
- Hersey, Israel L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,489,641, Nov. 29.
- Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic relay mechanism. 2,484,224, Oct. 11.
- Hersh, Harry G., Milwaukee, Wis. Heater. 2,476,492, July 19.
- Hersh, Joseph M.: *See*—
Lincoln, Bert H., and Hersh.
- Hersh, Joseph M., assignor to Continental Oil Company, Ponca City, Okla. Preparing pentamethylene silicone polymers. 2,464,231, Mar. 15.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Distance measuring device. 2,461,213, Feb. 8.
- Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Radio pulse echo system using Doppler effect. 2,467,670, Apr. 19.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Measuring microwave power. 2,471,744, May 31.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave-acoustic wave translator. 2,483,768, Oct. 4.
- Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave acoustic gas analysis method and system. 2,483,829, Oct. 4.
- Hershey, Harold W., Brighton, N. Y. Slip jacket. 2,477,483, July 26.
- Hershey Machine & Foundry Company, assignee: *See*—
Fisher, John F.
- Hershinger, Lincoln W., Oreland, assignor to Philco Corporation, Philadelphia, Pa. Relaxation oscillator. 2,476,090, July 12.
- Hershman, Bernard, Pittsburgh, Pa. Antiskid cross strip. 2,473,249, June 14.
- Herskind, Carl C., Niskayuna, N. Y., assignor to General Electric Company. Pool-type electric discharge device. 2,461,275, Feb. 8.
- Herskind, Carl C., and M. J. Mulhern, Schenectady, N. Y., assignors to General Electric Company. Electric valve excitation and control circuit. 2,484,565, Oct. 11.
- Herskind, Carl C., Niskayuna, and R. W. Kuenning, Schenectady, N. Y., assignors to General Electric Company. Electrical valve excitation circuit. 2,465,097, Mar. 22.
- Herst, Edward, San Francisco, Calif. Reading lamp. 2,488,666, Nov. 22.
- Hertel, Kenneth L., assignor to University of Tennessee Research Corporation, Knoxville, Tenn. Controlling fluid flow through restricted conduits. 2,484,507, Oct. 11.
- Hertel, Roland F., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,460,749, Feb. 1.
- Hertel, Roland F., Nutley, N. J., assignor to General Electric Company. Dynamoelectric machine. 2,460,750, Feb. 1.
- Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Continuous centrifugal machine. 2,462,098, Feb. 22.
- Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal control system. 2,466,988, Apr. 12.
- Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Clutch and brake control mechanism for centrifugal machines. 2,466,989, Apr. 12.
- Hertrich, Joseph, Hamilton, and R. Huser, Mount Healthy, assignors to The Western States Machine Company, Hamilton, Ohio. Safety system for centrifugal dischargers. 2,463,874, Mar. 8.
- Herts, Jack H. B., assignor to John Widdicombs Company, Grand Rapids, Mich. Bed fastener, brace, and caster support. 2,458,595, Jan. 11.
- Hertz, Lonie M., Farmington, Mo. Magnetic hammer. 2,482,909, Sept. 27.
- Hertzell, Emanuel A., and R. H. Anderson, Dover, assignors to The Robinson Clay Product Company, Akron, Ohio. Refractory material. 2,480,577, Aug. 30.
- Hertzling, George A.: *See*—
Green, Walter H., McBride, and Hertzling.
- Hervert, George L.: *See*—
Bloch, Herman S., and Hervert.
- Hervert, George L., Berwyn, and M. J. Murray, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Separation of cyclic olefins from straight chain olefins. 2,463,036, Mar. 1.
- Herwick, John S.: *See*—
Mosshart, Donald J., and Herwick.
- Herwig, Robert S., North Arlington, assignor to Bendix Aviation Corporation, Teterboro, N. J. Brush. 2,462,055, Feb. 22.
- Herz, Alfred, Chicago, Ill. Variable impedance device. 2,471,817, May 31.
- Herzberger, Maximilian J., assignor to Eastman Kodak Company, Rochester, N. Y. Four component highly corrected wide angular field objective with small petzval sum. 2,466,424, Apr. 5.
- Herzberger, Maximilian J., and H. O. Hoadley, assignors to Eastman Kodak Company, Rochester, N. Y. Apochromatic telescope objective having three air spaced components. 2,487,873, Nov. 15.
- Herzig, Henry A., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Incorporating light sealing material in film cartridge during molding. 2,484,225, Oct. 11.
- Herzig, Leonard A., and M. Coan, Jackson Heights, assignors of forty-seven and one-half percent to L. A. Herzig and M. Coan, as trustees and five per cent to H. S. Hendricks, Mamaroneck, N. Y. Method and apparatus for splicing films. 2,468,629, Apr. 26.
- Herziger, William J., Cedarburg, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric motor control system and apparatus. 2,478,693, Aug. 9.
- Herzlinger, Joseph L., Oaklyn, N. J., assignor to Radio Corporation of America. Nutating mechanism. 2,464,394, Mar. 15.
- Hermmark, Maurice H., Washington, D. C. Foot exerciser pad. 2,465,725, Mar. 29.
- Herzog, Carl, assignee: *See*—
De Gelleke, Gerrit.
- Herzog, Carl, Belleville, N. J. Electric gaseous discharge lamp. 2,477,372, July 26.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Radio activity well logging method. 2,458,596, Jan. 11.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Method and apparatus for determining the inclination of substrata. 2,464,930, Mar. 22.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Radiological well logging. 2,475,137, July 5.
- Herzog, Gerhard, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for radioactivity well logging. 2,481,014, Sept. 6.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Method and apparatus for logging bore holes. 2,483,139, Sept. 27.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Measurement of wall thickness. 2,486,845, Nov. 1.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Measurement of penetrative radiation. 2,486,946, Nov. 1.
- Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Radiation detecting device. 2,489,133, Nov. 22.
- Herzog, Gerhard, and A. H. Lord, Jr., Houston, Tex., assignors to The Texas Company, New York, N. Y. Voltage control and stabilizing circuits. 2,477,802, Aug. 2.
- Herzog, Hubert J., Mishawaka, Ind. Detachable handle connection. 2,463,621, Mar. 8.
- Heslop, Robert N., F. Irving, and A. Livingston, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Vat dyestuffs. 2,470,032, May 10.
- Heslop, Robert N., F. Irving, and A. Livingston, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 3':4'-phthaloylacridones. 2,481,744, Sept. 13.
- Hess, Ben, Bronx, N. Y. Hook for garment hangers. 2,476,730, July 19.

- Hess, Cecil W.: *See*—
Sharp, Bayard, and Hess.
- Hess, Dr., & Clark, Inc., assignee: *See*—
Harwood, Paul D.
- Hess, Ethel M., Brook, Ind. Toilet brush container. 2,464,085, Mar. 8.
- Hess, Frederic O., Germantown, Pa., assignor to Sels Corporation of America. Airplane heater with altitude controlled combustion air feed. 2,460,983, Feb. 8.
- Hess, Frederic O., assignor to Sels Corporation of America, Philadelphia, Pa. Method of and apparatus for heat-treating. 2,460,085, Jan. 25.
- Hess, Frederic O., assignor to Sels Corporation of America, Philadelphia, Pa. Heat-treating. 2,460,086, Jan. 25.
- Hess, Frederic O., assignor to Sels Corporation of America, Philadelphia, Pa. Heat-treating apparatus. 2,467,746, Apr. 19.
- Hess, Frederic O., Philadelphia, Pa., assignor to Sels Corporation of America. Incandescent gas burner for furnace walls. 2,474,313, June 28.
- Hess, Frederic O., Philadelphia, L. F. Miller, Hathboro, and K. L. Dietrich, Jr., assignors to Sels Corporation of America, Philadelphia, Pa. Unit type airplane heater. 2,473,372, June 14.
- Hess, Henry L., Lansdowne Park, Pa. Anchor. 2,487,549, Nov. 8.
- Hess, Jack, Houston, Tex. Bale tie buckle. 2,462,264, Feb. 22.
- Hess, Joseph J., and E. E. Thatcher, assignors to E. C. Atkins and Company, Indianapolis, Ind. Dispensing package. 2,490,732, Dec. 6.
- Hess, Larry M., assignee: *See*—
Johnson, Chester W.
- Hess, Mattie P., Maywood, and A. E. Siehrs, assignors, by mesne assignments, to Krim-Ko Corporation, Chicago, Ill. Irish moss extract and its production. 2,462,398, Feb. 22.
- Hess, Mattie P., Maywood, and A. E. Siehrs, assignors to Krim-Ko Corporation, Chicago, Ill. Sulfur dioxide treatment of Irish moss residue. 2,462,863, Mar. 1.
- Hess, Myra J., executrix: *See*—
Janisch, Maximillian P.
- Hess, Relza J., assignor to American Steel Foundries, Chicago, Ill. Connecting rod and plunger connection. 2,461,056, Feb. 8.
- Hess, Robert W., Williamsville, and G. P. Martin, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Rotor blade for rotating wing aircraft. 2,467,031, Apr. 12.
- Hess, Walter F., Chicago, Ill. Wedge-lock brake beam. 2,480,857, Sept. 6.
- Hess, Walter F., Chicago, Ill. Brake beam. 2,481,064, Sept. 6.
- Hess, Willis C., assignor to Trico Products Corporation, Buffalo, N. Y. Valve for windshield cleaners. 2,462,189, Feb. 22.
- Hess, Willis C., Kenmore, assignor of one-third to L. C. Krazinski, New York, N. Y. Clothesline holder. 2,459,380, Jan. 18.
- Hesse, Herman C., Irondequoit, assignor to Mixing Equipment Co., Inc., Rochester, N. Y. Driving unit. 2,489,642, Nov. 29.
- Hessel, Isadore A., St. Louis, Mo. Child's panty. 2,466,545, Apr. 5.
- Hesselbart, Robert C., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of water-soluble thermosetting resins. 2,473,145, June 14.
- Hesseltine, Jesse G., Sedgwick, Colo. Adjustable sash spring. 2,481,592, Sept. 13.
- Hessert, Raymond M., Audubon, N. J. Document photographing machine. 2,492,127, Dec. 20.
- Hessler, Henry P.: *See*—
Berger, Richard E., and Hessler.
- Hessler, Reinhardt C., Pontiac, Mich. Fender skirt. 2,460,349, Feb. 1.
- Hesson, Charles M., Hanover, Pa., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Labeler. 2,471,066, May 24.
- Hester, Dwight H., Chicago, Ill. Photographic print drying and mounting apparatus. 2,477,603, Aug. 2.
- Hester, Frank A.: *See*—
Smith, John W., and Hester.
- Hester, Russell P., Chelsea, Okla. Building block. 2,459,028, Jan. 11.
- Hester, William F.: *See*—
Craig, W. E., and Hester.
Meltzner, Erich F., and Hester.
- Hetchler, John D.: *See*—
Vanderbilt, Byron M., and Hetchler.
- Hetherington, Charles R., Bronxville, N. Y., assignor to California Research Corporation, San Francisco, Calif. Manufacture of soap-thickened compositions and apparatus therefor. 2,461,276, Feb. 8.
- Hetherington, Charles R., Bronxville, N. Y., and E. E. Edwards, Walnut Creek, assignors to California Research Corporation, San Francisco, Calif. Fluid mixing device. 2,477,929, Aug. 2.
- Hetherington, Harry C., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Corrosion inhibiting process. 2,462,638, Feb. 22.
- Hetherington, Robert, & Son, Inc., assignee: *See*—
Schellman, Joseph H.
- Hetman, Theodore, Los Angeles, Calif. Cam actuated switch. 2,486,846, Nov. 1.
- Hettelsater, Henry C., Whitefish Bay, assignor to Haruuschfege Corporation, Milwaukee, Wis. Mounting for soil treating units. 2,482,910, Sept. 27.
- Hettinger, Francis K., and W. Jones, Tucson, Ariz. Lighter. 2,490,300, Dec. 6.
- Hetzel, Stanford J.: *See*—
Kennedy, Robert M., and Hetzel.
- Hetzel, Stanford J., Cheltenham, and R. M. Kennedy, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Conversion of ethylene. 2,461,820, Feb. 15.
- Hetzel, Stanford J., Cheltenham, and R. M. Kennedy, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Polymerization of ethylene. 2,470,166, May 17.
- Hetzler, Owen W., C. A. Sloan, and L. W. Jones, Kansas City, Mo. Electrical meter testing device. 2,486,651, Nov. 1.
- Heuer, Lawrence H., Detroit, Mich., assignor to Falls Spring & Wire Company, and Great Lakes Spring Corporation, Chicago, Ill. Spring cushion assembly. 2,464,037, Mar. 8.
- Heurtier, Antoine, Saint-Etienne, France. Intermittent claw type film driving device. 2,481,115, Sept. 6.
- Heurtier, Antoine, Saint-Etienne, France. Photographic sound reproducing head. 2,492,696, Dec. 27.
- Heuver, Herbert M., Dayton, Ohio. Multiple valve. 2,492,149, Dec. 27.
- Heveatex Corporation, assignee: *See*—
Ernstner, Nicholas.
- Hevener, Tyrils M., Los Angeles, Calif. Collapsible hod. 2,458,942, Jan. 11.
- Hewes, Ralph W.: *See*—
Field, Oscar S., Wight, and Hewes.
- Hewitt, Oliver H., Jr., Plainfield, N. J. Portable child's seat with footrest. 2,489,087, Nov. 22.
- Hewitt, Alfred G., La Grange Park, and S. F. Clement, assignors to The Visking Corporation, Chicago, Ill. Flame sealing apparatus. 2,459,235, Jan. 18.
- Hewitt, Ellis E., Edgewood, and A. G. Larson, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,482,274, Sept. 20.
- Hewitt, Elmer S., Wilmette, assignor to Electric-Aire Engineering Corporation, Chicago, Ill. Electric drier. 2,479,571, Aug. 23.
- Hewitt, George W.: *See*—
Penney, Gaylord W., and Hewitt.
- Hewitt, Ivan N., Medicine Lodge, Kans. Valve stem pushing implement. 2,480,366, Aug. 30.
- Hewitt, Ivan N., Medicine Lodge, Kans. Lever operated tire loosening device. 2,489,088, Nov. 22.
- Hewitt, John E.: *See*—
Abrahamse, Henry L., and Hewitt.
- Hewitt, John W., Jr., Neenah, Wis. Pad forming machine. 2,478,485, Aug. 9.
- Hewitt, John W., Jr., Neenah, Wis. Die edge grinding apparatus. 2,482,001, Sept. 13.
- Hewlett, Clarence W., Marblehead, Mass., assignor to General Electric Company. Selenium rectifier and fabrication. 2,476,042, July 12.
- Heyart, Charles P., Lincoln Park, and E. R. Ross, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Electric controller. 2,492,933, Dec. 27.
- Heyden Chemical Corporation, assignee: *See*—
Barth, Robert H., and Snow.
Sokol, Herman.
Sweet, Roger S.
Uhl, Herbert B., and Cooper.
Woodruff, Howard C.
- Heydle, Friedrich, Youngstown, Ohio. Lighter. 2,469,768, May 10.
- Heyer, Don, assignor to International Powermatic Corporation, Los Angeles, Calif. Variable ratio transmission. 2,478,870, Aug. 9.
- Heyerdahl-Larsen, Reidar, and E. Backe-Hansen, Oslo, Norway. Fixing railway rails. 2,490,962, Dec. 13.
- Heyl, Dorothea: *See*—
Harris, Staton A., and Heyl.
- Heyl, Dorothea, assignor to Merck & Co., Inc., Rahway, N. J. The process of preparing the lactone of 2 methyl 3 hydroxy 4 carboxy 5 hydroxy-methyl pyridine. 2,469,554, May 10.
- Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 2,462,497, Feb. 22.
- Heyman, Albert A., assignor to J. Shapiro, Baltimore, Md. Ice-cream cone. 2,487,136, Nov. 8.
- Heyman, Gustave: *See*—
Hayman, Max and H.
- Heyman Manufacturing Company, assignee: *See*—
Klumpp, Ferdinand, Jr.
- Heyman, Moses D., Woodmere, N. Y. Mica base heating sheet. 2,472,533, June 7.
- Heyman, Moses D., assignor, by mesne assignments, to Integrated Mica Corporation, Woodmere, N. Y. Method and apparatus for fabricating mica. 2,490,129, Dec. 6.
- Heyman, Nicholas C., New York, N. Y. Multilipstick holder. 2,476,866, July 19.
- Heymann, Herman, Brooklyn, N. Y. Indicator card for bingo or lotto games. 2,470,310, May 17.
- Heyn, Arthur W., Byron, Minn. Power mower. 2,490,870, Dec. 13.

- Heyne, Clarence A.: *See*—
Jackson, Albert S., and Heyne.
- Heyneman, William J., Portsmouth, Va. Tire. 2,469,300, May 3.
- Heywood, Basil J., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Mono-azo dyestuffs. 2,473,885, June 21.
- Heywood, Basil J., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Mono-azo dyestuffs. 2,474,736, June 28.
- Heywood, Basil J., Blackley, Manchester, England, assignor to Imperial Chemical Industries, Limited. Mono-azo dyestuffs. 2,474,737, June 28.
- Heywood, Harold L.: *See*—
Armitage, Joseph B., and Heywood.
- Heywood, Mark M., Twickenham, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacture of rubber products. 2,459,763, Jan. 18.
- Heywood-Wakefield Company, assignee: *See*—
Bell, Alfred B.
Bell, Alfred B., and Staveley.
Larsen, Lewis, and Klar.
Patton, John W.
Smith, George C.
Wickman, Helmer W., and Racine.
- Hiatt, Gordon D., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing regenerated cellulose. 2,473,473, June 14.
- Hiatt, Gordon D., assignor to Eastman Kodak Company, Rochester, N. Y. Heat strippable coating composition and metal article coated therewith. 2,490,752, Dec. 6.
- Hiatt, William G., Bartlesville, Okla., and C. R. Wagner, Utica, Ohio, assignors to Phillips Petroleum Company. Recovery of aromatic hydrocarbons. 2,464,311, Mar. 15.
- Hibbard, Donald L., and John N. M. Howells, United States Navy. Lead estimation training reflex gun sight. 2,473,524, June 21.
- Hibbard, Frank H., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse testing equipment. 2,457,892, Jan. 4.
- Hibbard, Lloyd J., Pittsburgh, J. B. Gibbs, and R. L. Brown, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tap-changing transformer system. 2,467,747, Apr. 19.
- Hibberd, Robert G., Rugby, England, assignor to General Electric Company. Oscillatory circuit. 2,492,748, Dec. 27.
- Hibbard, Robert L., deceased, Bellevue; by S. C. Hibbard, Ross Township, Allegheny County, and R. L. Hibbard, Jr., and H. M. Junkin, Bellevue, executors, assignors of one-half to W. K. Stamets, Mars, Pa. Pipe cutoff machine. 2,459,075, Jan. 11.
- Hibbard, Robert L., Jr., executor: *See*—
Hibbard, Robert L.
- Hibbard, Robert R., Lorain, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Removal of mercaptans from petroleum distillates with an aqueous alkaline reagent containing lignin and the regeneration of the spent alkaline reagent. 2,464,576, Mar. 15.
- Hibbard, Stewart C., executors: *See*—
Hibbard, Robert L.
- Hibbard, Thomas L., Birmingham, and M. Jovanovich, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Plastic panel with mounting means. 2,482,339, Sept. 20.
- Hibbs, Frank J., assignor to Associated Refrigerating Engineers, Los Angeles, Calif. Refrigerating coil. 2,465,873, Mar. 29.
- Hibner, De Los E., and F. C. Arey, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Seal around a cleaning element entering a combustion chamber. 2,477,334, July 26.
- Hibshman, Henry J., Plainfield, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis process. 2,463,875, Mar. 8.
- Hickerson, Seth E.: *See*—
Schmitt, James R., and Hickerson.
- Hickey, Henry J., Quincy, Mass. Counter bin construction. 2,483,769, Oct. 4.
- Hickey, John H., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Production of contact materials. 2,484,828, Oct. 18.
- Hickey, Marvin M., South Bend, Ind. Stepladder tray or shelf. 2,473,951, June 21.
- Hickler, Walter R., Winthrop, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Composite products and making the same. 2,478,267, Aug. 9.
- Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Spring suspension for tandem axles. 2,479,572, Aug. 23.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Thermal igniter. 2,459,163, Jan. 18.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Rocket projectile. 2,460,289, Feb. 1.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Rocket projectile. 2,462,099, Feb. 22.
- Hickman, Clarence N., Jackson Heights, N. Y., and A. J. Dempster, Chicago, Ill., assignors to the United States of America as represented by the Secretary of the Navy. Smokeless powder tester. 2,464,179, Mar. 8.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America, as represented by the Secretary of War. Spacer trap for rockets. 2,471,745, May 31.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Thrust gauge for projectiles. 2,472,108, June 7.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Multiple cartridge launcher. 2,485,601, Oct. 25.
- Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Obturator trap for rocket propellants. 2,487,053, Nov. 8.
- Hickman Industries, Inc., assignee: *See*—
Hickman, Albert F.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum pump. 2,465,590, Mar. 29.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum dehydration. 2,471,325, May 24.
- Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Turbine drive mechanism for high-vacuum stills. 2,488,191, Nov. 15.
- Hickman, Kenneth C. D., and L. Weiser, assignors to Distillation Products, Inc., Rochester, N. Y. Vitamin E preparation. 2,486,540, Nov. 1.
- Hickok Manufacturing Company, Inc., assignee: *See*—
Vaisey, Harold C., and Deming.
- Hickok, Willard H., assignor to The Girdler Corporation, Louisville, Ky. Controlling high-frequency heating of dielectric material. 2,459,225, Jan. 18.
- Hickok, Willard H., assignor to The Girdler Corporation, Louisville, Ky. Surface finishing of plastic sheets. 2,485,238, Oct. 18.
- Hicks, Harold A., and C. C. Jackson, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Wheel suspension for motor vehicles. 2,483,974, Oct. 4.
- Hicks, James C.: *See*—
Austin, Leslie W., Hicks, and Rick.
- Hicks, Marvin L., Vallejo, Calif., assignor of one-half to R. N. Ward, Greenville, S. C. Portable lift. 2,463,381, Mar. 1.
- Hicks, Raymond M.: *See*—
Duncan, Robert C., and Hicks.
- Hicks, William L.: *See*—
Kesler, Carl C., and Hicks.
- Hickson, Louis A., Philadelphia, Pa. Fishing rig. 2,492,638, Dec. 27.
- Hid-Lok Corporation, assignee: *See*—
Lutz, Jean V., and Keyser.
- Hiebert, Alvin L.: *See*—
Kelsey, Alwyn L., Hiebert, Tasker, and Osborne.
- Hiebert, Harold L., Spokane, Wash. Molding reinforced concrete storage structures. 2,477,930, Aug. 2.
- Hiebert, John, Brownvale, Alberta, Canada. Garment hanger. 2,461,686, Feb. 15.
- Hiehle, Michael E., Syracuse, N. Y., assignor to General Electric Company. Voltage regulating system. 2,474,580, June 28.
- Hiehle, Michael E., Syracuse, N. Y., assignor to General Electric Company. Wide band multiplier. 2,478,629, Aug. 9.
- Hielen, Henry: *See*—
Parks, John R., and Hielen.
- Hieronymus, Thomas G., Kansas City, Mo. Detection of emanations from materials and measurement of the volumes thereof. 2,482,773, Sept. 27.
- Hiertz, Arthur J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Pipe connection. 2,462,040, Feb. 15.
- Hiester, George A., Reading, Pa. Spot curtain game for bowling alleys. 2,466,103, Apr. 5.
- Higbee, Glenn A., Detroit, Mich. Telephone number listing attachment. 2,471,430, May 31.
- Higgins, Eric B., Tewin Wood, England, assignor to Tewin Industries, Inc., New York, N. Y. Treatment of aqueous liquids. 2,471,213, May 24.
- Higgins, Eric B., Wellwyn, England, assignor to Tewin Industries, Inc., New York, N. Y. Proofing proteinaceous fibers against biological attack. 2,483,008, Sept. 27.
- Higgins, Gilbert H., Mountain Lakes, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing and binding books. 2,463,769, Mar. 8.
- Higgins, Harold T., Boston, Mass. Safety control device for motor vehicles. 2,459,938, Jan. 25.
- Higgins Industries, Inc., assignee: *See*—
Clemens, Edwin S.
- Higgins, James W.: *See*—
Piskur, Michael M., and Higgins.
- Higgins, John T.: *See*—
Johnson, Arthur B., and Higgins.
- Higgins, Louis W.: *See*—
Robertson, William, and Higgins.
- Higginson, Benjamin, New Bedford, Mass. Picker check for looms. 2,490,301, Dec. 6.
- Higgett, Harry V., assignor to Cable & Wireless Limited, London, England. Telegraph system with code conversion and error detection. 2,473,202, June 14.

- Higgs, Melvin, Long Beach, Calif. Food slicer. 2,478,046, Aug. 2.
- Higgs, Morton C.: *See*—
Burns, Frank B., Larrison, and Higgs.
- High, John M., Jr., Riverdale on the Hudson, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electrical relay with contact multiplying movement. 2,491,265, Dec. 13.
- High Speed Machines, assignee: *See*—
Ballamy, Leslie M.
- High Standard Manufacturing Corporation, The, assignee: *See*—
Humeston, Frederick L.
Wilson, George A.
- Higham, Edward H., Hale, England, assignor to General Electric Company. Cathode-ray oscillographic apparatus. 2,483,140, Sept. 27.
- Higham, William W., Marion, Ohio, assignor to Newport Steel Corporation. Refrigerating apparatus. 2,483,007, Sept. 27.
- Highberg, Axel L., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Two-speed dual rotation propeller drive. 2,466,949, Apr. 12.
- Highfield, Frank W.: *See*—
Weaving, John H., and Highfield.
- Highfield, William H., Washington, D. C., and W. D. Johnson, Fayette City, Pa. Refocusing and viewing desk. 2,479,008, Aug. 16.
- Highsaw, Benjamin C.: *See*—
Hilton, Ray G., and Highsaw.
- Highsmith, Noah H., assignee: *See*—
Mitton, Robert E.
- Highway Safety Appliances, Incorporated, assignee: *See*—
Doud, Fred L., and Hunt.
- Highway Trailer Company, assignee: *See*—
Stephen, James.
- Higley, Frank R.: *See*—
Cerny, Joseph A., and Higley.
- Higley, Frank R., Cleveland Heights, Ohio, assignor to Bryant Heater Company. Gas burner. 2,465,155, Mar. 22.
- Higley, Frank R., Cleveland Heights, assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Thermally responsive unit. 2,487,968, Nov. 15.
- Higley, Frank R., Cleveland Heights, assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Ball valve safety pilot burner. 2,487,969, Nov. 15.
- Higley, Walter C., Hillsdale, Mich. Accessory drawer. 2,492,697, Dec. 27.
- Higman, Anna H., administratrix: *See*—
Higman, Jerome M.
- Higman, Jerome M., Rosemead, Calif.; A. H. Higman, administratrix of said J. M. Higman, deceased. Sheet metal heating stove. 2,488,014, Nov. 15.
- Higonnet, René, Saint-Cloud, France. Photographic type composing machine having stroboscopic character scanning system. 2,486,406, Nov. 1.
- Hiljmans, Ernst, assignor to N. V. Nederlandsche Instrumentenfabriek "Waldorp," The Hague, Netherlands. Turret drill head. 2,491,859, Dec. 20.
- Hikell, Suph: *See*—
Giddings, Marion W., and Hikell.
- Hilbert, George J., assignor of one-half to C. A. Heaton, Utica, N. Y. Variable volume suitcase. 2,475,961, July 12.
- Hilbert, Rudolph, Salt Lake City, Utah. Gauge tool for timing Diesel engines. 2,471,746, May 31.
- Hilborn-Hamburger, Inc., assignee: *See*—
Hilborn, Jerome M.
- Hilborn, Jerome M., Bronxville, assignor to Hilborn-Hamburger, Inc., New York, N. Y. Service ribbon bar. 2,464,395, Mar. 15.
- Hilburn, Joseph C., Cedartown, Ga. Variable gun choke. 2,466,104, Apr. 5.
- Hildebrand, Gösta E. H.: *See*—
Ekman, Wilhelm, and Hildebrand.
- Hilderbrand, Harry A.: *See*—
Weber, Henry.
- Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. Apparatus for seismic prospecting. 2,483,770, Oct. 4.
- Hildebrandt, Henry, assignee: *See*—
Buckels, Chris C.
Couden, Earl R.
Dahlstrom, Eric T. J., and Caplan.
- Hildebrecht, Charles V., Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety control system for fuel burners. 2,491,108, Dec. 13.
- Hildreth, Jack R., Campton, N. H. Detachable handle for containers. 2,487,240, Nov. 8.
- Hiler, Carl A., Muskegon Heights and W. E. Nelson, Watervliet, Mich. Fluid drive unit. 2,491,560, Dec. 20.
- Hilger & Watts Limited, assignee: *See*—
Godfrey, Charles J.
Godfrey, Charles J., and Towns.
- Hilger, William P., St. Cloud, Minn. Floor sanding edger. 2,483,904, Oct. 4.
- Hilger, William P., St. Cloud, Minn. Surface finishing device. 2,480,947, Nov. 1.
- Hilkemeier, Louis G., assignor to Chain Belt Company Milwaukee, Wis. Concrete mixer. 2,467,588, Apr. 19.
- Hilkemeier, Louis G., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Chute support for concrete mixers. 2,488,292, Nov. 15.
- Hilkemeier, Louis G., West Allis, and E. G. Hahn, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Mounting for spiral blading within frustoconical mixing chambers. 2,490,215, Dec. 6.
- Hill, Albert E., Tulsa, Okla. Check and closer for inner and outer closures. 2,479,835, Aug. 23.
- Hill, Bernard E., Jacksonville, Fla. Power transmission mechanism. 2,482,110, Sept. 20.
- Hill, Boyd N., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of sulfur containing hydrocarbons. 2,471,108, May 24.
- Hill, C. V., & Company, Inc., assignee: *See*—
Burtis, Winfield R.
- Hill, Charles A., and H. A. Stevenson, assignors to Boots Pure Drug Company Limited, Nottingham, England. Manufacture of therapeutic substances. 2,480,367, Aug. 30.
- Hill, Charles S., Hubert, N. C. Tobacco sled. 2,483,582, Oct. 4.
- Hill, David G., Jr., New Orleans, La. Cooking timing machine. 2,467,587, Apr. 19.
- Hill, Donald C., Los Angeles, and W. A. McGlashen, Huntington Park, Calif. Gravimeter. 2,458,164, Jan. 4.
- Hill, Douglas G. B., assignee: *See*—
Blackinton, James G.
- Hill, Earl G., Pulaski, Va., assignor to Textile Appliance Corporation, New York, N. Y. Mandrel. 2,474,672, June 28.
- Hill, Earl G., Pulaski, Va., assignor, by mesne assignments, to Textile Appliance Corporation, New York, N. Y. Winding machine. 2,475,895, July 12.
- Hill, Earl G., Pulaski, Va., assignor to Textile Appliance Corporation, New York, N. Y. Mandrel support. 2,489,134, Nov. 22.
- Hill, Erland V.: *See*—
Kirby, William B., and Hill.
- Hill, Erwin F.: *See*—
Lemley, John, Hill, and Mueller.
- Hill, Francis A., 2nd.: *See*—
Hill, Myron F., F. A. Hill, 2nd, and Chapin.
- Hill, Frank B., and E. T. Hitchin, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Textile operation. 2,477,744, Aug. 2.
- Hill, George B.: *See*—
West, James R., Hill, and McClellan.
- Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Baling press. 2,458,994, Jan. 11.
- Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Baling press. 2,464,684, Mar. 15.
- Hill, George B., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Dispensing mechanism for balers or the like. 2,477,059, July 26.
- Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Baling press. 2,484,890, Oct. 18.
- Hill, Glenn, assignor to I. A. Brock, Los Angeles, Calif. Bed-rail extension. 2,459,880, Jan. 25.
- Hill, Harry, assignor of one-half to The British Power Boat Company, Limited, Hampshire, England. Building unit joint construction. 2,458,074, Jan. 4.
- Hill, Henry C.: *See*—
Francisco, William H., Jr., Steiner, and Hill.
- Hill, Henry C., Montclair, and W. H. Francisco, Bloomfield, N. J., assignors to Wright Aeronautical Corporation. Pipe connection. 2,460,984, Feb. 8.
- Hill, Hubert M., and E. B. Towne, assignors to Eastman Kodak Company, Rochester, N. Y. 2-trifluoromethyl-1,3-butadiene. 2,490,753, Dec. 6.
- Hill, Irving and J. D., assignors to The Lawrence Paper Company, Lawrence, Kans. Container. 2,459,939, Jan. 25.
- Hill, Jack M.: *See*—
Linda, John W., and Hill.
- Hill, James E., and T. M. Ambler, San Antonio, Tex. Wave heater. 2,474,147, June 21.
- Hill, Jesse, New York, N. Y. Window locking means. 2,467,032, Apr. 12.
- Hill, John W., Mansfield, Ohio, assignor, by mesne assignments, to Empire Steel Company. Producing black oxide coated steel sheets. 2,481,424, Sept. 6.
- Hill, Julia D.: *See*—
Snow, Howard, and Hill.
- Hill, Julian W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organodistannonic acids. 2,484,508, Oct. 11.
- Hill, Justin D.: *See*—
Hill, Irving and J. D.
- Hill Laboratory, Myron F. Hill, Proprietor, assignee: *See*—
Hill, Myron F., F. A. Hill, 2nd, and Chapin.
- Hill, Laurence B., assignor to L. C. Smith & Corona Type-writers, Inc., Syracuse, N. Y. Power-operated printing machine. 2,478,630, Aug. 9.
- Hill, Lawrence R.: *See*—
Foster, Newton C., Hill, Runk, and Schulman.

- Hill, Lawrence R., E. Bindschadler, and J. A. Campbell, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making electrical insulations. 2,479,357, Aug. 16.
- Hill, Mark L.: *See*—
Smith, Herschel G., and Hill.
Smith, Herschel G., Cantrell, and Hill.
- Hill, Myron F., and F. A. Hill, 2nd, Westport, and J. L. Chapin, Jr., Wilton, assignors to Hill Laboratory, Myron F. Hill, Proprietor, Westport, Conn. Variable displacement pump and motor. 2,484,789, Oct. 11.
- Hill, Napoleon E., and O. J. Röss, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Gas burner and mixing tube construction. 2,468,331, Apr. 26.
- Hill, Ralph H., Flint, Mich. Rotary disk plow. 2,490,688, Dec. 6.
- Hill, Robert P.: *See*—
Weesner, Carl W., Connor, and Hill.
Hill, Rolo D., Los Angeles, Calif. Replaceable filter element. 2,468,328, Apr. 26.
- Hill-Rom Company, Inc., assignee: *See*—
Hillenbrand, William A., and Burst.
- Hill, Ronald A.: *See*—
Wynn, Arthur A., and Hill.
- Hill-Shaw Company, assignee: *See*—
Ruhnke, Edward J., and Perlman.
- Hill, Thomas G.: *See*—
Van Zeln, William D., Hill, and Welden.
- Hill, William H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparation of guanidine nitrate. 2,468,067, Apr. 26.
- Hill, William H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparing substituted ammonium thiocyanates. 2,483,415, Oct. 4.
- Hillberg, Bror, assignor, by mesne assignments, to Superior Concrete Accessories, Inc., Chicago, Ill. Combined bar support and spacer. 2,486,527, Nov. 1.
- Hille, Guenther H., Lake, assignor to Ladish Co., Cudahy, Wis. Induction heater for use with pipe bending apparatus. 2,461,323, Feb. 8.
- Hillenbrand, William A., Franklin County, and F. J. Burst, assignors to Hill-Rom Company, Inc., Batesville, Ind. Floor lamp. 2,491,448, Dec. 13.
- Hiller, Robert W., Emsworth, and W. L. Davidson, Bellevue, assignors to Dravo Corporation, Pittsburgh, Pa. Tape applying iron. 2,484,566, Oct. 11.
- Hiller, Stanley, and S. Hiller, Jr., Berkeley, Calif. Die casting machine. 2,484,344, Oct. 11.
- Hiller, Stanley, Jr.: *See*—
Hiller, Stanley, and S. Hiller, Jr.
- Hiller, Stanley, Jr., Berkeley, assignor, by mesne assignments, to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,745, Sept. 13.
- Hiller, Stanley, Jr., Berkeley, assignor to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,746, Sept. 13.
- Hiller, Stanley, Jr., Berkeley, assignor to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,747, Sept. 13.
- Hiller, Stanley, Jr., Menlo Park, assignor to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,748, Sept. 13.
- Hiller, Stanley, Jr., Menlo Park, assignor to United Helicopters, Inc., Palo Alto, Calif. Reaction jet torque compensation for helicopters. 2,481,749, Sept. 13.
- Hiller, Stanley, Jr., Menlo Park, assignor to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,491,733, Dec. 20.
- Hiller, Stanley, Jr., Menlo Park, and J. Stuart, III, assignors to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,750, Sept. 13.
- Hillery, Arthur M., Leominster, Mass. Combined comb and nail file. 2,469,769, May 10.
- Hillhouse, Earl C., Tulsa, Okla. Toy. 2,461,644, Feb. 15.
- Hilliard, James W., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Determining columbium in iron and steel. 2,482,850, Sept. 27.
- Hilliard, Robert C., assignor to Sylvania Electric Products Inc., Salem, Mass. Pulser tube. 2,464,762, Mar. 15.
- Hilliard, Robert C., assignor to Sylvania Electric Products, Inc., Salem, Mass. Rectifier tube and circuit. 2,486,025, Oct. 25.
- Hillier, George H.: *See*—
Main-Smith, John D., Dodd, Sim, Lyon, Hillier, and Earwicker.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Reducing specimen contamination in electron optical instruments. 2,467,225, Apr. 12.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Gas analyzer. 2,468,261, Apr. 26.
- Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Correction device for electron lenses. 2,469,165, May 3.
- Hillier, James, Cranbury, and S. G. Ellis, Princeton, N. J., assignors to Radio Corporation of America. Focusing electron microscopes, etc. 2,464,396, Mar. 15.
- Hilliker, Frank T., St. Louis, Mo., assignor of fifty per cent to R. M. Carson, Red Oak, Iowa, and fifty per cent to E. Hohl, Kansas City, Mo., as trustee for G. C. Hohl. Preinspiring soiled dishes and simultaneously recovering tableware from table scraps. 2,485,968, Oct. 25.
- Hillman, Charles A., Maplewood, and J. D. Long, and A. K. Scott, Westfield, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohol-hydrocarbon mixtures. 2,480,652, Aug. 30.
- Hillman, Conway D., East Orange, assignor to Keuffel & Esser Company, Hoboken, N. J. Telescope with achromatic eyelens. 2,489,578, Nov. 29.
- Hillmer, Herman H., Omaha, Nebr., assignor to Better Packages Incorporated. Roll holder for tape dispensers. 2,466,950, Apr. 12.
- Hillquist, Karl J., Seattle, Wash. Feed mechanism for stone cutting machines. 2,460,386, Feb. 1.
- Hillringhouse, Carl H., Bergenfield, N. J. Oil burner. 2,489,031, Nov. 22.
- Hills, Elmer G., assignor to Belmont Radio Corporation, Chicago, Ill. Cathode-temperature control system. 2,463,876, Mar. 8.
- Hills, Frank M., Roehampton, London, England. Radio receiver. 2,492,698, Dec. 27.
- Hills, John M., Midland, Tex. Examination box. 2,486,026, Oct. 25.
- Hills, Joseph E., assignor to Kraft Foods Company, Chicago, Ill. Packaging. 2,461,981, Feb. 15.
- Hills-McCanna Company, assignee: *See*—
Anderson, Harry J., and Hartman.
- Hills, Robert C., and M. F. Dufour, Nicaro, Cuba, assignors to Nicaro Nickel Company, New York, N. Y. Reduction of ores containing nickel. 2,473,795, June 21.
- Hills, William B., Colonie, N. Y., assignor to General Electric Company. High-speed sequence control. 2,492,749, Dec. 27.
- Hillyer, John C.: *See*—
Schulze, Walter A., and Hillyer.
- Hillyer, John C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of vinyl halides. 2,480,021, Aug. 23.
- Hillyer, John C., Bartlesville, Okla., assignor to Phillips Petroleum Company. DDT in petroleum solvent stabilized with lanolin and dimerized eighteen carbon atom fatty acids. 2,490,437, Dec. 6.
- Hillyer, John C., and J. F. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Reaction of an acetylene with HF to produce vinyl fluoride and/or difluoroethane and homologues thereof. 2,471,525, May 31.
- Hillyer, John C., Bartlesville, Okla., and D. A. Nicewander, Borger, Tex., assignors to Phillips Petroleum Company. Inhibiting polymerization and corrosiveness of furfural by mercaptobenzothiazole. 2,473,750, June 21.
- Hillyer, John C., Bartlesville, Okla., and D. A. Nicewander, Rock Island, Tex., assignors to Phillips Petroleum Company. Cuprous salt inhibitors for furfural copolymerization. 2,475,094, July 5.
- Hillyer, John C., Bartlesville, Okla., and C. H. Ice, Richland, Wash., assignors to Phillips Petroleum Company. Halogenation process. 2,483,049, Sept. 27.
- Hiltner, Walter F., Pasadena, Calif. Celestial navigation instrument. 2,471,686, May 31.
- Hilton, Albert, assignor to Sport Products, Inc., Cincinnati, Ohio. Baseball baseman's mitt. 2,485,882, Oct. 25.
- Hilton, John L., Chelmsford, England, assignor to Normahoffmann Bearings Corporation, Stamford, Conn. Axle box. 2,470,071, May 10.
- Hilton, Lewis D., Houston, Tex. Thread seal and buffer gasket for pipe couplings. 2,487,241, Nov. 8.
- Hilton, Louis M., Stanmore, and H. E. Chaplin, Kenton, assignors to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Control surface for aircraft, including full span flaps and spoilers. 2,479,619, Aug. 23.
- Hilton, Ray G., Austin, and B. C. Highsaw, Beaumont, Tex. Pin-gear knuckle. 2,482,415, Sept. 20.
- Hilton, Roy, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Time base circuit for cathode-ray tubes. 2,476,978, July 26.
- Hiltz, Paul A., Somerville, assignor to Serdex, Inc., Boston, Mass. Hygrometric device. 2,466,658, Apr. 5.
- Himel, Chester M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of thiolesters. 2,458,075, Jan. 4.
- Himmel Brothers Company, The, assignee: *See*—
Himmel, Fred and I.
- Himmel, Fred and I., New Haven, assignors to The Himmel Brothers Company, Hamden, Conn. Supplementary forming means for strip-metal forming machines. 2,458,906, Jan. 11.
- Himmel, Isidore: *See*—
Himmel, Fred and I.
- Himmel, Leon, Bronx, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Center fed antenna. 2,462,865, Mar. 1.
- Himmel, Leon, Bronx, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electrical testing system. 2,492,150, Dec. 27.
- Himmel, Loran B., West Des Moines, Iowa, assignor, by mesne assignments, to R. M. Carrell. High-frequency dielectric heating apparatus. 2,474,420, June 28.
- Himmel, Loran B., and R. V. Bush, Des Moines, Iowa, assignors, by mesne assignments, to R. M. Carrell. High-frequency dielectric heating apparatus. 2,489,135, Nov. 22.

- Himmel, Martin M., assignor to Edison Products Corp., New York, N. Y. Partition device for cooking pots. 2,459,940, Jan. 25.
- Himmelfarbe, Elizabeth P., assignee: *See*—Nemnich, Gustav.
- Himmer, Frank, assignor to Philco Corporation, Philadelphia, Pa. Motor-driven tuning control for radio receivers. 2,490,591, Dec. 6.
- Himoff, Morris G., and S. L. Casella, assignors to Morey Machinery Co., Inc., New York, N. Y. Cross slides and control mechanism therefor. 2,462,498, Feb. 22.
- Hinchliff, Arthur O., Surrey, assignor to Watliff Company Limited, London, England. Electric commutator. 2,477,455, July 26.
- Hinchliff, Ralph, assignor to Burson Knitting Company, Rockford, Ill. Composite textile article. 2,484,293, Oct. 11.
- Hinchman, Alva K., Bryn Mawr, Pa. Nozzle and tip for burning and welding torches. 2,474,673, June 28.
- Hinchman, Alva K., Bryn Mawr, Pa. Solenoid bipolar magnetic air valve engine. 2,486,948, Nov. 1.
- Hinchman, William H. D., Detroit, Mich. Conduit spacer. 2,462,399, Feb. 22.
- Hinchon, Thomas J., Quincy, Mass. Conduit for electric power lines. 2,483,050, Sept. 27.
- Hincke, William B., Kingsport, Tenn., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Activation of cellulose for acylation. 2,478,396, Aug. 9.
- Hincke, William B., Kingsport, Tenn., and G. A. Richter, assignors to Eastman Kodak Company, Rochester, N. Y. Activation of cellulose for acylation. 2,490,754, Dec. 6.
- Hinckley-Myers Division of Kent-Moore Organization Inc., assignee: *See*—Graham, George M.
- Hinez, Hipolit M., Miami, Fla. Apparatus for precooling refrigerator cars, consisting of a heat-exchange unit temporarily inserted into the car and vertically movable therein. 2,477,250, July 26.
- Hindall, Alva L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Curing storage battery plates. 2,451,218, Sept. 6.
- Hinden, Hellmut: *See*—Hinden, Werner and H.
- Hinden, Werner and H., Rio de Janeiro, Brazil. Centrifugally operable clutch. 2,471,747, May 31.
- Hindermann, Peter: *See*—Krebs, Adolf, and Hindermann.
- Hindermann, Peter, assignor to J. R. Geigy A. G., Basel, Switzerland. Metallizable monoazo dipyrazolones. 2,472,109, June 7.
- Hindle, Thomas, Blackburn, England. Pneumatic shuttle operating mechanism. 2,488,192, Nov. 15.
- Hindle, Walter H.: *See*—Croft, Cyril M., and Hindle.
- Hindley, Nathan C., and J. A. Low, Herts, England, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Ethers and manufacture of same. 2,480,326, Aug. 30.
- Hinds, John M., assignor to Northeast Electric & Engineering, Seattle, Wash. Forced circulation electrically heated space heater. 2,458,268, Jan. 4.
- Hinds, Sherwood, Columbia City, assignor to The Wayne Pump Company, Fort Wayne, Ind. Varying mechanism. 2,472,478, June 7.
- Hinds, William E., Hillsboro, Ore. Penicillin product. 2,487,336, Nov. 8.
- Hinds, William L., assignee: *See*—Briggs, Arthur J.
- Hineline, Harris D., Mount Vernon, N. Y., and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricant. 2,478,694, Aug. 9.
- Hines, Claude M., Verona, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Circuit integrity signaling means. 2,464,978, Mar. 22.
- Hines, Claude M., Verona, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electronic wheel slip detector. 2,468,199, Apr. 26.
- Hines, Claude M., Verona, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Relay control system. 2,473,683, June 21.
- Hines, Eve E., Westport, Conn. Plural cosmetic case. 2,491,980, Dec. 20.
- Hines, William F., Dumont, N. J., and J. J. Hollwig, Brooklyn, N. Y. Terminal sealing cap for refrigerators. 2,476,603, July 19.
- Hines, William J., San Francisco, Calif. Cork remover. 2,458,778, Jan. 11.
- Hingley, Cecil D., assignee: *See*—Clark, John R.
- Hingley, Ernest A., assignee: *See*—Clark, John R.
- Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Discharge wave generator. 2,468,754, May 3.
- Hings, Donald L., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical musical instrument. 2,492,919, Dec. 27.
- Hink, Floyd, Haigler, Nebr. Wheel remover. 2,489,413, Nov. 29.
- Hinkel, Lester H.: *See*—Palmer, John S., and Hinkel.
- Hinkley, Ray A.: *See*—Baker, Clyde A., and Hinkley.
- Hinman, Charlton, Washington, D. C. Alternate projection collating device. 2,460,350, Feb. 1.
- Hinman, Harry L., Indianapolis, Ind. Bottle carrier. 2,473,429, June 14.
- Hinneken, Maurice G., Paterson, N. J. Tenter clip. 2,472,375, June 7.
- Hinrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Valve. 2,483,581, Oct. 4.
- Hinrichs, Lansing M.: *See*—Boedecker, Woodrow S., and Hinrichs.
- Hinteman, Harry M., Jersey City, N. J., assignor of fifty per cent to Hiram Ricker and Sons, Poland Spring, Maine, twenty-four per cent to H. E. Jones, Cambridge, Mass., one per cent to F. T. Cotter, and one per cent to G. E. Cotter, New York, N. Y. Cocoa manufacture. 2,476,092, July 12.
- Hinton, Henry, Fleming, Ky. Toy airplane. 2,478,695, Aug. 9.
- Hinton, James C., Bailrigg, Lancaster, England. Drill chuck and key therefor. 2,467,827, Apr. 19.
- Hintz, Harvey P.: *See*—Schubert, Alvin E., and Hintz.
- Hintz, Otto E., Jr.: *See*—Harstick, William H., and Hintz, Jr.
- Hintz, Otto E., Jr., Chicago, Ill., assignor to International Harvester Company. Speed controlled centrifugal valve. 2,477,982, Aug. 2.
- Hintz, Otto E., Jr., Chicago, Ill., assignor to International Harvester Company. Speed controlled centrifugal valve. 2,477,983, Aug. 2.
- Hinz, Henry E., Maywood, Ill. Television tube support. 2,484,345, Oct. 11.
- Hipple, John A., Jr., Verona, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vacuum trap. 2,465,229, Mar. 22.
- Hipple, John A., Jr., Verona, and D. J. Grove, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Amplifier for small direct currents. 2,462,190, Feb. 22.
- Hipwell, Harry H.: *See*—Hipwell, Harry T., and Hipwell.
- Hipwell, Harry T., and H. T. Hipwell, Pittsburgh, Pa. Flash lamp. 2,459,702, Jan. 18.
- Hirschak, John, assignee: *See*—Abeling, Raymond O.
- Hirsch, Abraham A., New Orleans, La. Regenerable desiccator. 2,469,435, May 10.
- Hirsch, Abraham A., New Orleans, La. Bacteriological test bottle. 2,476,093, July 12.
- Hirsch, Alfred, Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Continuous grignard method. 2,464,685, Mar. 15.
- Hirsch, Charles J., Douglaston, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Frequency divider. 2,462,265, Feb. 22.
- Hirsch, George B., Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Stitch-adjusting mechanism for sewing machines. 2,491,449, Dec. 13.
- Hirsch, Joel H., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for conducting chemical reactions. 2,488,406, Nov. 15.
- Hirsch, Joel H., Oakmont, Pa., and K. E. Cody, Elizabeth, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Catalytic conversion. 2,464,810, Mar. 22.
- Hirsch, Joseph M., New York, N. Y. Peg puzzle pieces and playboard. 2,463,270, Mar. 1.
- Hirsch, Stephen G., assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Fishing reel. 2,486,027, Oct. 25.
- Hirschey, Malcolm: *See*—Shapiro, Arthur, and Hirschey.
- Hirschfeld, Charles, Strasbourg, France. Sheet metal assembly and making it. 2,464,506, Mar. 15.
- Hirschhorn, William D., Livingston, Calif. Vine splitting unit for bean cutters. 2,462,967, Mar. 1.
- Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Purification of naphthenic hydrocarbons. 2,464,931, Mar. 22.
- Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Separating hydrocarbons by adsorption. 2,472,250, June 7.
- Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Purification of naphthene hydrocarbons. 2,480,242, Aug. 30.
- Hirschman, Arthur, Miami Beach, Fla. Skate. 2,461,057, Feb. 8.
- Hirschmugl, Robert A., McHenry, Ill. Bearing assembly. 2,476,193, July 12.
- Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Pipe joint. 2,470,818, May 24.
- Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Machine for applying coating to large vertical cylindrical objects. 2,476,299, July 19.
- Hirshfield, Stella J., New York, N. Y. Outdoor reflecting lamp. 2,484,091, Oct. 11.
- Hirst, Archie J., assignor to Metalastik Limited, Leicester, England. Resilient coupling for shafts. 2,491,734, Dec. 20.

- Hirst, Charles D., Cupertino, and G. L. Woodington, said G. L. Woodington assignor, by decree of distribution, to V. J. Woodington North Sacramento, Calif. Proportioning valve. 2,480,925, Sept. 6.
- Hirst, Lester L.: *See*—
Storch, Henry H., and Hirst.
- Hirt, Gerald E.: *See*—
Fawcett, Cecil C., Markus, and Hirt.
- Hirvonen, Henry H., assignee: *See*—
Parker, Verlois R.
- Hiscock, Earle F., Arlington, Va. Life float. 2,464,086, Mar. 8.
- Hise, Herbert, Chicago, and J. B. Cousineau, Forest Park, Ill. Stringed musical instrument. 2,467,086, Apr. 12.
- Hisey, Donald A., assignor to Young Radiator Company, Racine, Wis. Tube and header-plate assembly for heat-exchange units. 2,488,627, Nov. 22.
- Hislop, John A., assignor to Vard, Inc., Pasadena, Calif. Strut construction for drafting machines. 2,481,666, Sept. 13.
- Histand, Harry H., Doylestown, Pa. Rain water conductor bracket. 2,478,100, Aug. 2.
- Hitchcock, Christopher R., North Vancouver, British Columbia, Canada. Bottle capper. 2,488,912, Nov. 22.
- Hitchcock, Forest B.: *See*—
Preston, Neil D., and Hitchcock.
- Hitchcock, Forest B., assignor to General Railway Signal Company, Rochester, N. Y. Selective radio communication system for a plurality of stations. 2,469,555, May 10.
- Hitchcock, John H., assignor to Morgan Construction Company, Worcester, Mass. Machine for manufacturing spherical gears. 2,473,709, June 21.
- Hitchcock, Judge D., U. S. Army, Atlanta, Ga. Synchronizing device. 2,478,922, Aug. 16.
- Hitchcock, Stanley I., assignor to Tropical Plantations Limited, London, England. Magnetic work holder. 2,471,067, May 24.
- Hitchin, Edgar T.: *See*—
Hill, Frank B., and Hitchin.
- Hitt, Arnold D., Jr., Eupora, Miss. Step-by-step mechanism. 2,463,536, Mar. 8.
- Hittson, Harker H., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Company. Vibratory motor. 2,467,748, Apr. 19.
- Hitzelhammer, Mathew, Highland Park, Mich., assignor to Domestic Industries, Inc., Chicago, Ill. Locking mechanism for jigs and the like. 2,458,705, Jan. 11.
- Hivac Limited, assignee: *See*—
Rangabe, Alexander R.
- Hjelmblad, Karl W. J., Alsten, Sweden. Grinding machine. 2,469,770, May 10.
- Hjort, Carl I. F., Djursholm, and O. V. E. Jansa, Nockeby, Sweden. Mixing a plastic mass in a liquid. 2,460,884, Feb. 8.
- Hlavaty, Rudolf F., assignee: *See*—
Truhlar, John, and Pantisios.
- Hlavin, William S.: *See*—
Sigmund, Frank J., and Hlavin.
- Hlinsky, Emil J., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool lubricating system. 2,457,893, Jan. 4.
- Hlobil, Josef S. J., Portland, Oreg. Universal cargo aircraft. 2,472,947, June 14.
- Hoadley, Claude R., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Expandable spinner. 2,480,243, Aug. 30.
- Hoadley, Harvey O.: *See*—
Herzberger, Maximilian J., and Hoadley.
- Hoag, John H., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Stop device for knitting machines. 2,483,541, Oct. 4.
- Hoage, Clyde C., St. Paul, Minn. Needleless fish lure. 2,459,819, Jan. 25.
- Hoaglin, Floyd R., assignor to Motor Wheel Corporation, Lansing, Mich. Draft regulator. 2,476,662, July 19.
- Hoak, Richard D., Mount Lebanon Township, Allegheny County, assignor to Mellon Institute of Industrial Research, Pittsburgh, Pa. Recovering manganese values from manganese ores. 2,462,499, Feb. 22.
- Hoar, Roger S., assignee: *See*—
Pennington, Neal A.
- Hoar, Roger S., G. W. Mork, and J. A. Thierry, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Guide for differential cylinder-piston assemblies. 2,463,537, Mar. 8.
- Hoard, Bert V.: *See*—
Carlin, Herbert J., and Hoard.
- Hoard, Bert V., Richmond Highlands, Wash. Reinforcement for cots. 2,464,863, Mar. 22.
- Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Direct-current measuring instrument. 2,484,567, Oct. 11.
- Hoback, Waller H., and W. J. Cauwenberg, Piney River, and W. R. Whately, Lynchburg, Va., assignors to American Cyanamid Company, New York, N. Y. Finishing of pigments. 2,479,836, Aug. 23.
- Hobart Brothers Company, The, assignee: *See*—
Hobart, Edward A.
- Hobart, Edward A., and Flora.
- Hobart, Edward A., assignor to The Hobart Brothers Company, Troy, Ohio. Combined welder and power plant. 2,476,373, July 19.
- Hobart, Edward A., assignor to The Hobart Brothers Company, Troy, Ohio. Variable output welding transformer. 2,490,354, Dec. 6.
- Hobart, Edward A., and R. T. Flora, assignors to The Hobart Brothers Company, Troy, Ohio. Alternating current vertical welder. 2,490,871, Dec. 13.
- Hobart Manufacturing Company, The, assignee: *See*—
Meeker, David A.
- Meeker, David A., and Brookhart.
- Hobbie, Donald H., assignee: *See*—
Rathgeber, Arthur F.
- Hobbs, Edward W., Rickmansworth, England. Actuating mechanism for artificial hands. 2,464,577, Mar. 15.
- Hobbs, George L., Glendale, Calif. Pedal extension and footrest attachment for pianos. 2,468,977, May 3.
- Hobbs, James C., Coral Gables, Fla. Pipe coupling. Re. 23,137, July 26.
- Hobbs, James C., Painesville, Ohio. Liquid and gas separating apparatus. 2,463,352, Mar. 1.
- Hobbs, James C., Painesville, Ohio, and J. C. Hobbs, II, Oil City, Pa. Expansion flange. 2,470,167, May 17.
- Hobbs, James C., Painesville, Ohio. Pipe hinge. 2,480,858, Sept. 6.
- Hobbs, James C., Painesville, Ohio. Pipe strainer. 2,489,292, Nov. 29.
- Hobbs, James C., II: *See*—
Hobbs, James C. and J. C., II.
- Hobbs, Lindsey M.: *See*—
Weaver, Welcome I., and Hobbs.
- Hobbs, Walter V., Columbus, Ohio, assignor to Ranco Incorporated. Pressure measuring apparatus. 2,466,809, Apr. 12.
- Hobbs, William J., Morrisville, Pa., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope splice and making the same. 2,476,731, July 19.
- Hobby, Harold E., assignor to Simplex Time Recorder Co., Gardner, Mass. Tape time recorder with differentiated records. 2,460,576, Feb. 1.
- Hobby, Harold E., assignor to Simplex Time Recorder Co., Gardner, Mass. Program control unit. 2,475,501, July 5.
- Hobday, Gordon I.: *See*—
Short, Wallace F., and Hobday.
- Short, Wallace F., Hobday, and Oxley.
- Hoben, Harold H.: *See*—
Kempf, Norman W., and Hoben.
- Hobourn, Percival L., Leamington Spa, and W. H. Joy, Coventry, England. Braiding machine. 2,458,379, Jan. 4.
- Hobrough, Gilbert L., Lucknow, assignor to Danforth Radio Company Limited, Toronto, Ontario, Canada. Phonograph turntable drive. 2,467,261, Apr. 12.
- Hobson, Charles F.: *See*—
Preisman, Louis, and Hobson.
- Hobson, H. M., assignee: *See*—
Greenland, Leonard S.
- Hobson, H. M., Limited, assignee: *See*—
Ramsay, Duncan.
- Hobson, Leslie J.: *See*—
Gilbert, Lethicullier, and Hobson.
- Hochgesang, Frank P., Woodbury, and C. H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for geophysical prospecting. 2,470,743, May 17.
- Hochreiter, Edward: *See*—
McGary, Frank E., Hochreiter, Schlecht, and Shannon.
- Hochwalt, Carroll A.: *See*—
Thomas, Charles A., and Hochwalt.
- Hockberger, William G., Baton Rouge, La., assignor to Standard Oil Development Company. Desulfurization of tri-isobutylene. 2,469,726, May 10.
- Hockens, Grant E., East Aurora, assignor to The Wittemann Company, Inc., Buffalo, N. Y. Apparatus for low temperature gas compression. 2,486,598, Nov. 1.
- Hocker, Francis B., Macomb, Ill. assignor to Globe American Corporation, Kokomo, Ind. Method and apparatus for testing thermo-expandable devices. 2,463,106, Mar. 1.
- Hockery, John C., assignee, trustee: *See*—
Scott, Robert J.
- Hocutt, Rudolph H.: *See*—
Snow, Howard, and Hocutt.
- Hocutt, Rudolph H., Charlotte, N. C., assignor to Southern Friction Materials Company. Step tread. 2,484,947, Oct. 18.
- Hodapp, Jerome J.: *See*—
Eck, Myron Y., and Hodapp.
- Hoddinott, William M., assignor to Van Norman Company, Springfield, Mass. Control for variable displacement pumps. 2,470,617, May 17.
- Hodel, Oscar A.: *See*—
Hodel, Ronald K., and O. A.
- Hodel, Ronald K., and O. A., Rockford, Ill. Cash register indicating mechanism. 2,490,807, Dec. 13.
- Hodell, Frederick G., Gates Mills, assignor, by mesne assignments, to The National Screw and Manufacturing Company, Cleveland, Ohio. Buckle for emergency tire chains. 2,486,561, Nov. 1.
- Hodes, John H., Jr., and J. L. Fizzell, Kansas City, Mo. Apparatus for applying mold weights. 2,476,374, July 19.
- Hodgdon, Frank B., Naperville, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lead borosilicate enamel. 2,481,473, Sept. 6.

- Hodge, William F., Lyndhurst, Ohio, assignor to General Electric Company. Starting and operating circuit for electric discharge devices. 2,462,320, Feb. 22.
- Hodges, Clarence R., assignor of fifty per cent to H. H., J. L., and K. R. Hodges, doing business as Hodges Mfg. Co., Julesburg, Colo. Apparatus for sharpening implement disks. 2,487,709, Nov. 8.
- Hodges, Harry R., New York, N. Y. Curtain and shade hanger. 2,463,271, Mar. 1.
- Hodges, Henry H., assignee: *See*—Hodges, Clarence R.
- Hodges, James L.: *See*—Hodges, Clarence R.
- Hodges, Kenneth R., assignee: *See*—Hodges, Clarence R.
- Hodges, Louis E., Winston-Salem, N. C. Adjustable curing rim for tire recapping. 2,480,578, Aug. 30.
- Hodges Mfg. Co.: *See*—Hodges, Clarence R.
- Hodges, Paul C.: *See*—Morgan, Russell H., and Hodges.
- Hodges, Walter P., Knoxville, Tenn. Guide cutter and stub holder. 2,459,646, Jan. 18.
- Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder for fluorescent lamps. 2,459,647, Jan. 18.
- Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Glow starting relay for fluorescent lamps. 2,464,748, Mar. 15.
- Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric circuit interrupter. 2,465,230, Mar. 22.
- Hodgkins, Raymond L., Yeadon, and F. H. Hunter, Broomall, Pa., assignors to General Electric Company. Switchboard. 2,467,828, Apr. 19.
- Hodgkinson, William E., Ridgefield Park, assignor to Sier-Bath Gear & Pump Co., Inc., North Bergen, N. J. Thrust balanced screw pump. 2,463,460, Mar. 1.
- Hodgkinson, William R., assignee: *See*—Fincke, Leo I.
- Hodgson, Hyland L., Scarsdale, N. Y. Razor blade sharpener. 2,483,009, Sept. 27.
- Hodgson, Kenneth G., and F. Fairley, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Multichannel carrier communication system. 2,474,249, June 28.
- Hodgson, Richard and Sons, Limited, assignee: *See*—Cheshire, Arthur.
- Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Distribution transformer for banking service. 2,476,147, July 12.
- Hodnette, John K., and A. D. Forbes, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Winding coils. 2,462,191, Feb. 22.
- Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Pressure releaser milker. 2,458,779, Jan. 11.
- Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Hot-water heater. 2,467,749, Apr. 19.
- Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Lifting device. 2,480,244, Aug. 30.
- Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Milker releaser. 2,488,725, Nov. 22.
- Hodson, George F., Altus, Okla., assignor to Wilson & Co. Inc. Apparatus for coating eggs for breaking. 2,482,774, Sept. 27.
- Hoe, Edward L., Poughkeepsie, N. Y. Axially engaging positive clutch. 2,481,593, Sept. 13.
- Hoe, R., & Coe, Inc., assignee: *See*—Dickey, Lewis H.
Higgins, Gilbert H.
Huck, William F.
Stobb, Anton, and Albrecht.
Turrall, George.
Turrall, George, and Skinner.
Zuckerman, Adolph M.
- Hoebeke, Henry J.: *See*—Polglase, Thomas R., and Hoebeke.
- Hoerber, Barbara O. W., executrix: *See*—Hoerber, Harold.
- Hoerber, Harold, deceased, South Dartmouth; B. O. W. Hoerber and W. T. Read, executrix, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Shuttle deflector. 2,477,745, Aug. 2.
- Hoefer, Henry, assignee: *See*—Myer, Jack.
- Hoefer, William F., Jr., Altadena, Calif. Filter. 2,480,653, Aug. 30.
- Hoefling, Jack J., San Francisco, Calif. Mouth reflector with light. 2,492,427, Dec. 27.
- Hoefling, John, assignee: *See*—Russell, Joseph.
- Hoehn, Robert N., Troy, Ohio, and H. E. Rohan, Miami, Fla. Air-sea personnel rescue pickup system. 2,468,538, Nov. 22.
- Hock, Theodor J. J., Geleen, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Toluene nitration process. 2,475,095, July 5.
- Hoeker, Bert: *See*—Anderson, Robert I., and Hoeker.
- Hoeldtke, Martin, St. Petersburg, Fla. Awning bracket. 2,473,058, June 14.
- Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Drill spindle driving mechanism. 2,475,665, July 12.
- Hoeman, Erwin C., Columbus, Ohio. Preparing alumina from clays and other silicates of aluminum. 2,476,979, July 26.
- Hoenes, Samuel E. W., East Hempstead, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Workholder for mounting between jaws of a vise to support or clamp a workpiece. 2,482,002, Sept. 13.
- Hoenie, Norman J.: *See*—Landis, George G., and Hoenie.
- Hoenselaar, Harry J., St. Albans, N. Y. Apparatus for slicing ham on the bone. 2,470,078, May 10.
- Hoenshell, Millard W., Kansas City, Mo. Gas burner construction. 2,461,420, Feb. 8.
- Hoepfner, Conrad H.: *See*—Rosen, Milton W., and Hoepfner.
- Hoepfner, Conrad H., Washington, D. C. Signal generation system. 2,457,819, Jan. 4.
- Hoepfner, Conrad H., Washington, D. C. Detector system. 2,466,705, Apr. 12.
- Hoepfner, Henry L., Park Ridge, Ill. Multiphase power transformer. 2,488,628, Nov. 22.
- Hoerr, Charles W., assignor to Armour and Company, Chicago, Ill. Fatty acid amine salt composition. 2,468,755, May 3.
- Hoerth, Albert J., Des Plaines, Ill. Printing form aligning apparatus. 2,470,437, May 17.
- Hoewischer, Frederick W.: *See*—Woodberry, John H., and Hoewischer.
- Hofberg, Alf H., Medford, N. J., assignor to Radio Corporation of America. Producing rounded terminals of fusible metal. 2,485,444, Oct. 18.
- Hofberg, Alf H., Medford, N. J., assignor to Radio Corporation of America. Photoelectric liquid level indicator. 2,490,627, Dec. 6.
- Hoff, Clayton M., Wilmington, Del., assignor, by mesne assignments, to National Steel Corporation. Metal strip electroplating apparatus. 2,490,055, Dec. 6.
- Hoff, James L.: *See*—Tama, Manuel and M., and Hoff.
Tama, Mario, and Hoff.
- Hoff, Jean M., Evanston, Ill. Illuminating depressible keys. 2,476,257, July 12.
- Hoff, John G., assignor to The Tappan Stove Company, Mansfield, Ohio. Handle mounting. 2,472,479, June 7.
- Hoff, Harry J., Richmond, Ind. Machine for forming lawn mower handles and the like. 2,485,096, Oct. 18.
- Hoffacker, Theodore, Jr., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Aircraft wheel brake. 2,491,812, Dec. 20.
- Hoffar, Henry S., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Joint for impact tools. 2,465,726, Mar. 29.
- Hoffar, Henry S., near Sidney, British Columbia, Canada, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Piston coupling mechanism. 2,473,430, June 14.
- Hoffer, J. M., assignee: *See*—Lauver, Samuel S.
- Hoffer, James F., Detroit, assignor to Superdrain Corporation, Dearborn, Mich. Compensator control for pumps. 2,462,500, Feb. 22.
- Hoffer, Max, assignor to Hoffman-La Roche Inc., Nutley, N. J. Aqueous solutions of riboflavin. 2,463,461, Mar. 1.
- Hoffert, Roy G., Racine, Wis., assignor to Acme Steel Company, Chicago, Ill. Wire feed mechanism. 2,478,397, Aug. 9.
- Hoffman, Albert N., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Work supporting or feeding device. 2,476,094, July 12.
- Hoffman, Allan C.: *See*—Booth, Harry T., Hoffman, and Olcott.
- Hoffman, Carl H.: *See*—Harris, Stanton A., Hoffman, and Folkers.
- Hoffman, Carroll G., Independence, and J. M. Kiefer, Jr., East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Heat-treatment for high carbon high chromium steel. 2,486,282, Oct. 25.
- Hoffman, Carroll G., Independence, and J. M. Kiefer, Jr., East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Heat-treatment for high carbon high chromium steel. 2,486,283, Oct. 25.
- Hoffman, Charles: *See*—Russ, Walter R., Hoffman, Schweitzer, and Dalby.
- Hoffman, Charles W., Lakewood, N. J. Ground clamp holding tool. 2,476,980, July 26.
- Hoffman, Clarence W., and T. A. St. Clair, Bartlesville, Okla., assignors to Phillips Petroleum Company. Valve connector. 2,463,175, Mar. 1.
- Hoffman, Francis A., Glendale, and M. B. Harlow, Pasadena, Calif., assignors to Rheem Manufacturing Company, New York, N. Y. Rotor blade. 2,460,351, Feb. 1.
- Hoffman, George L., Miami, Fla. Combination paint stirrer and brush holder. 2,492,042, Dec. 20.

- Hoffman, Harry W., Onoka, and G. H. Helmer, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Pressure testing apparatus and control circuits therefor. 2,472,973, June 14.
- Hoffman, Harry W., Onoka, and G. H. Helmer, St. Louis Park, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Chronographic apparatus and method. 2,482,184, Sept. 20.
- Hoffman, Herbert N., Wakefield, Mass., assignor to General Electric Company. Dual ratio gearing. 2,473,250, June 14.
- Hoffman, Joseph Q., Detroit, Mich. Treadle scooter. 2,466,105, Apr. 5.
- Hoffman-La Roche Inc., assignee: *See—*
 Adler, Erich.
 Adler, Erich, and Hägglund.
 Aeschlimann, John A., and Stempel.
 Atherton, Frank R., Bergel, Cohen, Haworth, Openshaw, and Todd.
 Bergel, Franz, Cohen, Haworth, and Hughes.
 Bergel, Franz, Cohen, Haworth, Hughes, and Silk.
 Duschinsky, Robert.
 Farkas, Walter G., and Flexser.
 Flexser, Leo A., and Schnyder.
 Fox, Herman H., and Wenner.
 Furter, Max F., and Lauter.
 Goldberg, Moses W., and Sternbach.
 Goldberg, Moses W., and Teitel.
 Hindley, Nathan C., and Low.
 Hoffer, Max.
 Huck, John L., Jr.
 Isler, Otto, and Businger.
 Isler, Otto, Guex, and Treadwell.
 Masset, Edouard.
 Plati, John T., and Wenner.
 Schlappfer, Reinhard.
 Schneider, Otto.
 Schneider, Otto, Bourquin, and Grüssner.
 Solmssen, Ulrich V., and Lee.
 Spiegelberg, Hans.
 Spiegelberg, Hans, and Rey-Bellet.
 Steiger, Norbert.
 Steiger, Norbert, and Keller.
 Warnat, Kurt.
 Weinmer, Wilhelm.
 Wenner, Wilhelm.
 Wuest, Heinz M.
- Hoffman, Louis, and H. A. Chaplin, Brooklyn, N. Y., assignors to L. Hoffman and H. A. Chaplin. Toy construction unit. 2,487,654, Nov. 8.
- Hoffman, Manfred T., Newburyport, Mass. Apparatus for cleaning textile fibers. 2,463,272, Mar. 1.
- Hoffman, Manfred T., Newburyport, Mass. Method and apparatus for dry cleaning. 2,479,358, Aug. 16.
- Hoffman, Marian I., and L. M. Meidinger, Bay City, Mich. Combined paint brushholder and wiper. 2,466,850, Apr. 12.
- Hoffman, Max, Roxbury, Mass. Buckle. 2,460,228, Jan. 25.
- Hoffman, Max, Miami, Fla. Awning type window. 2,486,407, Nov. 1.
- Hoffman Radio Corporation, assignee: *See—*
 Cutler, Stanley, and Wiener.
- Hoffman, Raymond A., Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of nickel. 2,469,727, May 10.
- Hoffman, Robert, San Francisco, Calif. Cable clamp. 2,485,445, Oct. 18.
- Hoffman, Robert H., assignee: *See—*
 Talbot, Lloyd.
- Hoffman, Robert L., Tuckahoe, N. Y. Dispensing container with rotatable closure. 2,480,096, Aug. 23.
- Hoffman, Rose, Hartford, Conn. Hem binding gauge. 2,487,926, Nov. 15.
- Hoffman, Ross B., East Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio detection system. 2,490,808, Dec. 13.
- Hoffmann, Karl, and H. Schellenberg, Basel, and K. Miescher, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. 2-(n-piperidino-methyl)-indanes, their salts and preparation thereof. 2,479,744, Aug. 23.
- Hoffmann, Karl, and H. Schellenberg, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Basic esters of trisubstituted acetic acids. 2,490,964, Dec. 13.
- Hoffmann, Roger W.: *See—*
 Olson, Carl T., and Hoffmann.
- Hoffmeyer, Franklin W., River Falls, Wis. Heavy-duty tractor clevis. 2,464,864, Mar. 22.
- Hoffstetter, George O., Jerseyville, Ill. Conveyer drive attachment. 2,488,407, Nov. 15.
- Hoffström, Bo N., Malmö, assignor to A.-B. Aerotransport, Stockholm, Sweden. Viscosity regulator. 2,489,136, Nov. 22.
- Hofgaard, Rolf, Nordstrandshogda, near Oslo, Norway. Relay. 2,490,963, Dec. 13.
- Hofmann, Richard M., New Hyde Park, N. Y. Gearing. 2,491,313, Dec. 13.
- Hofmeier, Carl F.: *See—*
 Nitz, Charles G., and Hofmeier.
- Hogaboom, George B., New Britain, Conn. Rotary barrel. 2,480,022, Aug. 23.
- Hogaboom, George B., Jr., Kenilworth, N. J., and N. R. Hall, Brooklyn, N. Y. Anode. 2,462,968, Mar. 1.
- Hogan, Clarence E., and E. E. Stansfield, assignors to American Bosch Corporation, Springfield, Mass. Impulse coupling. 2,476,043, July 12.
- Hogan, Edward F., Andover, assignor to The Bolta Company, Lawrence, Mass. Garment hanger. 2,492,287, Dec. 27.
- Hoge, Edward C., Cincinnati, Ohio. Preformed slab structures. 2,466,106, Apr. 5.
- Hoge, George F., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Valve. 2,469,921, May 10.
- Hogg, William J.: *See—*
 Drissner, Alfred E., and Hogg.
- Hoglan, Forest A., Toledo, Ohio, assignor to International Minerals and Chemical Corporation. Production of glutamic acid and salts thereof. 2,463,877, Mar. 8.
- Hoglan, Forest A., San Jose, Calif., assignor to International Minerals and Chemical Corporation. Recovering glutamic acid. 2,487,807, Nov. 15.
- Hogrefe, Olen W., Omaha, Nebr. Support for clothesline reels. 2,463,176, Mar. 1.
- Hogrefe, William E., Chicago, Ill. Manually operated rowboat. 2,469,646, May 10.
- Hohl, Ethel, trustee, assignee: *See—*
 Hilliker, Frank T.
- Hohl, George C.: *See—*
 Hilliker, Frank T.
- Hohl, George C., assignee: *See—*
 Carson, Russell M.
- Hohl, John, R. K. Belnap, Jr., and H. A. Barnby, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Article conveying mechanism. 2,461,277, Feb. 8.
- Hohl, Paul E., Cleveland Heights, Ohio. Plastic violin bow. 2,487,442, Nov. 8.
- Hohler, Robert L., Dayton, Ohio. Safety link. 2,462,041, Feb. 15.
- Hohler, Walter F., assignor, by mesne assignments, to Newhome Corporation, Rochester, N. Y. Animal trap. 2,465,686, Mar. 29.
- Hohman, John A., Baltimore, Md. Comminuting apparatus for meats, vegetables, fruits, and the like. 2,476,867, July 19.
- Hohmann, Albert F.: *See—*
 Cooper, Benjamin, and Hohmann.
- Hohmann, Richard K., Jamaica, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill. Sewing machine. 2,480,734, Aug. 30.
- Hohwart, Ernest F.: *See—*
 Hohwart, George and E. F.
- Hohwart, George, Detroit, and J. Simmons, Washington, assignors to N. A. Woodworth Company, Detroit, Mich. Grinding fixture. 2,457,895, Jan. 4.
- Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,460,577, Feb. 1.
- Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,462,501, Feb. 22.
- Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,464,507, Mar. 15.
- Hohwart, George and Ernest F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,491,611, Dec. 20.
- Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,492,640, Dec. 27.
- Hoberg, Arnold J., assignor to Lion Oil Company, El Dorado, Ark. Heavy-duty industrial grease. 2,488,293, Nov. 15.
- Holer, Walter, and R. N. Clifton, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine. 2,458,597, Jan. 11.
- Holer, Walter A., Cincinnati, E. J. Rivoira, Silverton, and L. E. Mehloope, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Crankshaft grinder. 2,484,887, Oct. 18.
- Höing, Joannes H. A.: *See—*
 Kooijman, Eduard C., and Höing.
- Hoinville, Frederick D., Rose Bay, near Sydney, New South Wales, Australia. Variable pitch and reversible pitch propeller. 2,480,468, Aug. 30.
- Hokanson, Evert C., Grand Rapids, Mich., assignor to Whiting Corporation, Harvey, Ill. Engine work stand. 2,463,383, Mar. 1.
- Hoke, Harry A.: *See—*
 Steins, Carleton K., and Hoke.
- Hokett, William G., Phoenix, Ariz. Liquid applicator brush. 2,486,847, Nov. 1.
- Holaday, Horace A., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y.: dedicatory to the people of the United States. Standardization of therapeutic curare preparations. 2,461,278, Feb. 8.
- Holben, Frank, Middletown, R. I. Ejector type socket wrench. 2,470,399, May 17.
- Holbro, Theodor, Basel, W. Kern, Sissach, and P. Sutter, Basel, Switzerland, assignors to Ciba Limited. Anthraquinone vat dyestuffs. 2,459,941, Jan. 25.
- Holbrook, George B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing tetraethyl lead. 2,464,397, Mar. 15.

- Holbrook, John K., assignor to Holbrook Microfilming Service Inc., New York, N. Y. Photographic copyholder. 2,464,686, Mar. 15.
- Holbrook, John K., assignor to Holbrook Microfilming Service Inc., New York, N. Y. Film cutter. 2,465,453, Mar. 29.
- Holbrook Microfilming Service Inc., assignee: *See*—
Holbrook, John K.
- Holbrook Raw Hide Co., assignee: *See*—
Fuller, Clarence M.
- Holbrook, Rex R., Whitmore Lake, assignor to King-Seeley Corporation, Ann Arbor, Mich. Hydraulic speed governor. 2,468,667, Apr. 26.
- Holbrook, Robert O., U. S. Navy. Rim-removing tool for pneumatic tires. 2,488,539, Nov. 22.
- Holbrook, Wallace E., Houston, Tex. Ventilating shield for ventilating windows on automobiles. 2,486,408, Nov. 1.
- Holcomb, Arthur L., Tarzana, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Averaging device. 2,468,200, Apr. 26.
- Holcomb, Harry E.: *See*—
Modigliani, Piero, and Holcomb.
- Holcomb, James E.: *See*—
Stewart, Harold C., and Holcomb.
- Holcomb, Normand P., Warehouse Point, Conn., assignor to the United States of America as represented by the Secretary of War. Cartridge extractor testing machine. 2,460,290, Feb. 1.
- Holcomb, Walter F.: *See*—
Brooker, Leslie G. S., Holcomb, and Banks.
Burckhalter, Joseph H., Jones, Rawlins, Tendick, and Holcomb.
Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.
- Holcombe, Samuel M., Tulsa, Okla. Combination paraffin scraper and sucker rod guide. 2,466,239, Apr. 5.
- Holden, Alan N., New Vernon, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal growing apparatus. 2,484,829, Oct. 18.
- Holden, Artemas F., New Haven, Conn. Salt bath furnace. 2,464,508, Mar. 15.
- Holden, Artemas F., New Haven, Conn. Salt bath for treating stainless steel products. 2,474,674, June 28.
- Holden, Artemas F., New Haven, Conn. Heat-treating metal parts with a bright finish. 2,477,561, Aug. 2.
- Holden, Crofton C., assignor to Tilton & Cook Co., Leominster, Mass. Pin or clasp. 2,463,692, Mar. 8.
- Holden, John A., Cassville, Mo. Electric iron having revolving disks in pressing surface. 2,476,663, July 19.
- Holden, Lawrence T., Boston, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Shelf for electrical apparatus. 2,461,157, Feb. 8.
- Holden, Lawrence T., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical apparatus. 2,470,618, May 17.
- Holden, Orloff W., assignor to Knickerbocker Rubber Company, Chicago, Ill. Massage brush. 2,480,023, Aug. 23.
- Holden, Orloff W., assignor to Knickerbocker Rubber Company, doing business as Knickerbocker Rubber Company, Not Inc., Chicago, Ill. Massage brush and handle. 2,480,097, Aug. 23.
- Holden, Robert W., assignor to Laminating Specialties, Inc., Burbank, Calif. Plastic coating. 2,459,279, Jan. 18.
- Holden, Warwick C.: *See*—
Naylor, Joshua C., and Holden.
- Holden, William H. T.: *See*—
Dehn, Joseph W., and Holden.
- Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,481,667, Sept. 13.
- Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating circuit. 2,484,226, Oct. 11.
- Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Air position indicator. 2,485,883, Oct. 25.
- Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telemetric system. 2,486,784, Nov. 1.
- Holden, Winnie B., Columbia, S. C. Quick-change internal structure for handbags. 2,464,312, Mar. 15.
- Holdenline Company, assignee: *See*—
Tarr, Joseph.
- Holder, Clinton H.: *See*—
Wetty, Albert B., Jr., and Holder.
- Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Two-stage process for the synthesis of hydrocarbons. 2,483,771, Oct. 4.
- Holderness, Clarence H., Gallon, Ohio. Motor base for attachment to bicycle frames. 2,468,367, Apr. 26.
- Holding, Edl, Inc., assignee: *See*—
Spierer, Theodore.
- Hold-Rite Co., assignee: *See*—
Bergen, Edward.
- Hole, Harvey K., Dayton, Ohio. Flying kite and control. 2,472,075, June 7.
- Holes, Wilbur W., St. Cloud, Minn. Multiple compartment box. 2,483,583, Oct. 4.
- Holet, Charles W., Dickerson Run, assignor to O. F. Arthur, Connelville, Pa. Pallet for supporting and transporting articles. 2,463,622, Mar. 8.
- Holfelder, August A., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Removing embedded material. 2,490,302, Dec. 6.
- Holier, John R., Shreveport, La. Control fitting for liquefied petroleum gas tanks. 2,478,760, Aug. 9.
- Holiday, Robert L.: *See*—
Cole, Sanford S., Holiday, and Breitenstein.
- Holierhoek, Johannes: *See*—
Van der Willigen, Paul C., Boon, and Holierhoek.
- Holke, Eugene E., assignor to J. R. Kearney Corporation, St. Louis, Mo. Joining electrical conductors and the like. 2,490,809, Dec. 13.
- Holl, James W. F., Los Angeles, Calif. Variable delivery rotary pump. Re. 23,086, Feb. 22.
- Holl, James W. F., Los Angeles, Calif. Torque equalizing braking apparatus. 2,471,956, May 31.
- Holl, James W. F., Los Angeles, Calif. Beveled interengaging impellers supercharger or blower. 2,475,096, July 5.
- Hollabaugh, Max G., Jackson Heights, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Demodulator system for time modulated pulses. 2,462,100, Feb. 22.
- Hollaender Manufacturing Company, The, assignee: *See*—
Hollaender, Peter K.
- Hollaender, Peter K., assignor to The Hollaender Manufacturing Company, Cincinnati, Ohio. Mounting for bathroom fixtures. 2,479,837, Aug. 23.
- Holland, Andrew G., Camden, Ark. Vanity bench attachment. 2,463,177, Mar. 1.
- Holland, Carl M., Chicago, Ill. Timed reading device having a moving script sheet and angularly adjustable index. 2,487,242, Nov. 8.
- Holland, Edwin W., Collins, N. Y. Fishhook extractor. 2,492,799, Dec. 27.
- Holland, Elijah A., Brooks Field, Tex. Cigarette and pipe lighter. 2,482,416, Sept. 20.
- Holland Furnace Company, assignee: *See*—
Weyenberg, Henry, and Tice.
Wilson, Robert.
- Holland, George S.: *See*—
Goines, John L., A. C., and C. S., and Howard, and Holland.
- Holland, James C., Los Angeles, Calif. Truck frame extension. 2,491,044, Dec. 13.
- Holland, John D., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Circuit arrangements for use with widely-separated frequency bands. 2,474,978, July 5.
- Holland, William E., and A. J. Stanley, New Brunswick, and J. A. Chesnut, Highland Park, N. J., assignors to Industrial Tape Corporation. Machine for impregnating webs. 2,477,604, Aug. 2.
- Hollander, Charles S., assignor to Röhm & Haas Company, Philadelphia, Pa. Preparation of thioether sulfonates. 2,480,859, Sept. 6.
- Hollander, Emil E., Kearny, assignor to Star Electric Motor Company, Bloomfield, N. J. Electromagnetic brake. 2,467,891, Apr. 19.
- Hollander, Leo B., Sullivan, Mo. Slip lasted platform shoe. 2,469,647, May 10.
- Holleman, James E., assignee: *See*—
Holleman, William G., Jr.
- Holleman, William G., Jr., McAlester, assignor of one-half to J. E. Holleman, El Reno, Okla. Hydraulic hoist. 2,487,808, Nov. 15.
- Hollen, Manuel, Dayton, Ohio. Pin curl finger comb. 2,467,975, Apr. 19.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Steerable tail wheel. 2,473,645, June 21.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Expander tube for brakes. 2,473,646, June 21.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Hydraulically operated brake valve. 2,474,738, June 28.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Removable flange construction. 2,478,580, Aug. 9.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Electrohydraulic brake. 2,482,732, Sept. 20.
- Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake valve. 2,484,888, Oct. 18.
- Hollerith, Charles, Jackson, Mich. Drain means for dishwashers and the like. 2,492,288, Dec. 27.
- Hollerson, William K., and W. L. Buckley, Victoria, Tex. Wire line guide. 2,478,486, Aug. 9.
- Holley, Earl, assignee: *See*—
Gardner, Dale.
Grant, Harold R.
Holley, George M., Jr.
Orr, A. William, Jr.
Orr, Andrew W., Jr.
Schorn, Carl F., and Ensinger.
Stresen-Router, John H.
Udalen, Stanley M.

- Holley, George M., assignee: *See*—
Gardner, Dale.
Grant, Harold R.
Holley, George M., Jr.
Orr, A. William, Jr.
Orr, Andrew W., Jr.
Schorn, Carl F.
Schorn, Carl F., and Ensinger.
Stresen-Reuter, John H.
Udale, Stanley M.
- Holley, George M., Jr., Grosse Pointe, Mich., assignor to G. M. and E. Holley. Aircraft carburetor. 2,465,535, Mar. 29.
- Hollick, John G.: *See*—
Knowlton, Cutler D., and Hollick.
- Hollick, John G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Removing dust from leather. 2,482,775, Sept. 27.
- Holliday, David K., Mount Pleasant, Ohio. Toy. 2,466,107, Apr. 5.
- Holliday, James H., Los Angeles, Calif. Cable clamp. 2,462,969, Mar. 1.
- Hollihan, John P., Jr., Garden City, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacturing synthetic sutures and the like. 2,461,602, Feb. 15.
- Hollihan, John P., Jr., Garden City, and S. A. Moss, Jr., Ridley Park, Pa., assignors to American Viscose Corporation, Wilmington, Del. Controlling the aging of xanthates. 2,492,428, Dec. 27.
- Hollingsworth, Clinton A.: *See*—
Mauet, Ernest J., and Hollingsworth.
- Hollingsworth, Douglas T.: *See*—
Brazier, Leslie G., and Hollingsworth.
- Hollingsworth, Fred, assignor to Doctors Truss Company, Grand Rapids, Mich. Truss. 2,459,381, Jan. 18.
- Hollingsworth, George H., Long Beach, Calif., and E. V. Burton, Seymour Johnson Field, N. C., and R. A. Trafficante, Meriden, Conn. Transition trainer. 2,481,510, Sept. 13.
- Hollingsworth, Guilford L., and N. A. Schuster, Schenectady, N. Y., assignors to General Electric Company. Ultra high frequency coupling system. 2,476,732, July 19.
- Hollingsworth, Leon W., Los Angeles, assignor to Western Gear Works, Lynwood, Calif. Marine reduction reverse gear. 2,488,540, Nov. 22.
- Hollingsworth, Lowell M., Cambridge, and L. D. Smullin, Arlington, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio protective device. 2,461,158, Feb. 8.
- Hollingsworth, Maurice H., San Antonio, Tex. Shock absorbing spring structure. 2,467,478, Apr. 19.
- Hollingsworth, "R" Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Wave length control of wave energy. 2,480,820, Aug. 30.
- Hollins, Jesse R., New York, N. Y. Lighting circuit condition indicator. 2,486,599, Nov. 1.
- Hollis, Arthur L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composition of matter comprising carbon black and alkyl thiazyl disulfides. 2,468,978, May 3.
- Hollis, Frank, Jr.: *See*—
Kaufman, Charles W., Burgess, and Hollis.
- Hollis, Frank E., Irwin, assignor to Elliott Company, Jeannette, Pa. Rotary brush holder. 2,465,231, Mar. 22.
- Hollis, Fred E., Pittsburgh, Pa. Lifting device for beds. 2,490,130, Dec. 6.
- Hollis, Gilbert, assignor to S. G. Young, London, England. Snap-action electric switch. 2,460,087, Jan. 25.
- Hollis, Louis N.: *See*—
Hart, James A., Hollis, and Randolph.
- Hollis, Robert F., assignor to Alton Box Board Company, Alton, Ill. Adjustable anvil. 2,470,487, May 17.
- Hollis, Thomas, Jr., Port Washington, N. Y. Cutting tool. 2,464,865, Mar. 22.
- Hollis, Thomas R.: *See*—
Cooklin, Leonard, and Hollis.
- Hollmann, George E., Ann Arbor, Mich., and L. Hollmann, Fort Wayne, Ind. Hydraulic variable-speed motion transmission. 2,488,408, Nov. 15.
- Hollmann, Louis: *See*—
Hollmann, George E., and L.
- Holloman, George C.: *See*—
Crane, Carl J., Holloman, Muller, and Stout.
- Holloway, Charles M., Chicago, Ill. Self-sealing electric light socket for refrigerator panels. 2,460,636, Feb. 1.
- Holloway, Dennis G.: *See*—
Wright, George F., and Chute.
- Holloway, T. Blain, assignee: *See*—
Robinson, William C., and Livingston.
- Hollowell, Eugene A., Takoma Park, Md. Plant pot assembly. 2,492,152, Dec. 27.
- Hollowell, Dorothy M., Wichita Falls, Tex. Educational toy. 2,476,194, July 12.
- Hollstein, Oswald C., Secaucus, N. J., assignor to F-R Machine Works, Long Island City, N. Y. X-ray equipment. 2,474,421, June 28.
- Hollstein, Oswald C., Secaucus, N. J., assignor to F-R Machine Works. X-ray equipment. 2,474,422, June 28.
- Hollub, Arthur, Chicago, Ill. Demountable sealed stove pipe joint. 2,459,382, Jan. 18.
- Hollwig, Joseph J.: *See*—
Hines, William F., and Hollwig.
- Holly, Arthur F., Forsyth, Mont. Cinch with spreader. 2,483,316, Sept. 27.
- Holly, Harry H., assignor, by mesne assignments, to Holly Molding Devices, Inc., Chicago, Ill. Feeding apparatus having rotatable cylinder with vanes arranged for free engagement connection with auxiliary drum. 2,491,179, Dec. 13.
- Holly Molding Devices, Inc., assignee: *See*—
Holly, Harry H.
- Hollywood Comic Flash, Inc., assignee: *See*—
Stein, Matt and Begun.
- Hollywood-Maxwell Company, assignee: *See*—
Schaumer, Theo.
- Holm, Axel M., Moline, Ill. Die structure. 2,484,032, Oct. 11.
- Holm, Carl B., Englewood, N. J., assignor, by mesne assignments, to International Braid Corp., Fall River, Mass. Display and dispensing cabinet. 2,463,037, Mar. 1.
- Holm, Curt F., Angby, and B. K. Engel, Nockeby, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Dewaxing oils. 2,461,115, Feb. 8.
- Holm, Herbert K., Chicago, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,458,165, Jan. 4.
- Holm, Melvin M.: *See*—
Brooke, Lloyd F., Holm, and Elliott.
- Holm, Melvin M., San Francisco, L. F. Brooke, Berkeley Highland Terrace, and B. E. Berlenbach, assignors to California Research Corporation, San Francisco, Calif. Treatment of sulfur-containing hydrocarbon mixtures. 2,479,238, Aug. 16.
- Holm, Thor O., and R. R. Fike, Cleveland, Ohio, assignors to Thompson Products, Inc. Selector cock. 2,492,151, Dec. 27.
- Holman, Emmette R., Pasadena, assignor to Turco Products, Inc., Los Angeles, Calif. Composition and cleaning aluminum preparatory to spot welding. 2,477,181, July 26.
- Holman, William H., III, Flushing, N. Y. Scanning sextant. 2,487,337, Nov. 8.
- Holmberg, Carl V.: *See*—
Blumlein, Alan D., Connell, and Holloway.
- Schlatter, Carl, and Holmberg.
- Holmberg, Theodore A., Stamford, Conn. Heating system. 2,486,160, Oct. 25.
- Holme, Thomas T., Springfield, Mass. Reticle illuminating source for firearm sighting devices. 2,488,541, Nov. 22.
- Holmen, Reynold E., Ann Arbor, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous interpolymers. 2,472,661, June 7.
- Holmes, August, Cranford, N. J., assignor to Standard Oil Development Company. Increasing adhesivity of asphalt to mineral aggregate consisting of mollusk shells. 2,469,728, May 10.
- Holmes, August, Cranford, N. J., assignor to Standard Oil Development Company. Stabilizing soil. 2,491,045, Dec. 13.
- Holmes, Donald H., assignor to Norton Company, Worcester, Mass. Hydraulic table reciprocating mechanism. 2,471,688, May 31.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle drive for narrow ware looms. 2,478,581, Aug. 9.
- Holmes, Eric L.: *See*—
Prescott, William G., Akeroyd, and Holmes.
- Holmes, Ernest, Company, assignee: *See*—
Holmes, Ernest W. and E. W., Jr.
- Holmes, Ernest W. and E. W., Jr., Chattanooga, Tenn.; S. B. Strang, administrator of said E. W. Holmes, deceased, assignors to Ernest Holmes Company. Wrecker and similar hoisting apparatus. 2,479,009, Aug. 16.
- Holmes, Ernest W., Jr.: *See*—
Holmes, Ernest W. and E. W., Jr.
- Holmes, Gifford L., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Dynamic damper counterbalance. 2,471,687, May 31.
- Holmes, Gray W., Miller, Mo. Sickle bar safety release. 2,466,589, Apr. 5.
- Holmes, Gray W., Miller, Mo. Grass cutter and hedge trimmer. 2,483,772, Oct. 4.
- Holmes, Henry H., assignor to Wildt and Company Limited, Leicester, England. Knitted fabric. 2,468,668, Apr. 26.
- Holmes, Henry S., Arlington, Mass., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Electric welding. 2,481,219, Sept. 6.
- Holmes, Herbert G.: *See*—
Carrigan, Tracy, Holmes, and Shoemaker.
- Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery and Chemical Corporation. Wheel mirror mount. 2,475,502, July 5.
- Holmes, John E., Auburndale, assignor to C. W. Carlson, Atlantic, Mass. Rack. 2,462,321, Feb. 22.
- Holmes, John W., Jr., Huntington, N. Y. Combination motor vehicle jack and wheel. 2,486,409, Nov. 1.

- Holmes, Louis D., Blue Island, assignor to Whiting Corporation, Harvey, Ill. Car washing apparatus with pneumatic brush actuating means and gravity operated brush retracting means. 2,480,735, Aug. 30.
- Holmes, Luther A., New Hartford, N. Y. Boat trailer. 2,489,414, Nov. 29.
- Holmes, Paul J., assignor to R. R. Stoddart, Los Angeles, Calif. High-frequency receiving system having inductively coupled butterfly type circuits. 2,485,884, Oct. 25.
- Holmes, Ralph S., Princeton, N. J., assignor to Radio Corporation of America. Radio pulse-echo locator system to distinguish between moving and stationary objects. 2,491,450, Dec. 13.
- Holmes, Stanley B., Santa Monica, Calif. Beer tap. 2,466,892, Apr. 12.
- Holmes, Thomas: *See—*
Klasens, Hendrik A., and Holmes.
- Holmes, Thomas, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Electrical resistor. 2,470,352, May 17.
- Holmes, Tracy S., assignor to Airquipment Company, Burbank, Calif. Nose gear tow bar. 2,468,669, Apr. 26.
- Holmes, Willis G., assignor to FiResearch Corporation, Pembroke, Mass. Fire detecting cable. 2,489,293, Nov. 29.
- Holmes, Willis G., Hanover, Mass., assignor to The Protectowire Co. of Maine, Augusta, Maine. Fire alarm system. 2,492,043, Dec. 20.
- Holmested, Francis K., assignor to N. A. Holmested, Charleston, W. Va. Switch throw for railways. 2,467,750, Apr. 19.
- Holmested, Nellie A., assignee: *See—*
Holmested, Francis K.
- Holmgren, Edgar G., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Portable teller's cage. 2,475,428, July 5.
- Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for trimming shoe parts. 2,458,598, Jan. 11.
- Holmgren, Eric A., deceased, by G. A. Holmgren, administratrix, and H. B. Patten, deceased, by M. E. Patten, administratrix, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for working shoe uppers over lasts. 2,478,193, Aug. 9.
- Holmgren, Eric A., deceased, Beverly, by G. A. Holmgren, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping prewelt shoe uppers. 2,480,926, Sept. 6.
- Holmgren, Gertrude A., administratrix: *See—*
Holmgren, Eric A.
- Holmgren, Eric A., and Patten.
- Holmqvist, Seth A., Appelpiven, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Precision resistor. 2,463,384, Mar. 1.
- Holms, Walter, assignor to Dexter Folder Company, Pearl River, N. Y. Folding machine. 2,461,214, Feb. 8.
- Holmsten, Neil O., New Rochelle, N. Y. Window latch guard. 2,482,340, Sept. 20.
- Holmsten, Neil O., New Rochelle, N. Y. Slide bolt lock. 2,482,341, Sept. 20.
- Holmström, Georg H. S., Goteborg, Sweden. Foldable baby carriage and the like. 2,468,495, Apr. 26.
- Holody, Kazmier L.: *See—*
Pirl, Carl W., and Holody.
- Holohan, Bartholomew: *See—*
Pinkham, Clarence A., and Holohan.
- Holohan, Bartholomew A., New York, assignor to Nelpin Manufacturing Company, Long Island City, N. Y. Center. 2,463,385, Mar. 1.
- Holophane Company, Inc., assignee: *See—*
Franck, Kurt.
Kranck, Kurt, and Wince.
McPhail, Robert G.
Rolph, Thomas W.
Tuck, Davis H.
Wince, Vearl S.
- Holroyd, Howard B., Ames, Iowa. Shooting sling for rifles. 2,463,107, Mar. 1.
- Holschuh, Carl G., Wood-Ridge, N. J., and D. Fram, Brooklyn, N. Y., assignors to The Sperry Corporation. Sighting station for remote aircraft turret control. 2,476,300, July 19.
- Holsclaw, Neil, Chicago, assignor of one-half to F. E. Sudlow, Rock Island, Ill. Tonsorial device. 2,486,028, Oct. 25.
- Holst, Gilles, and R. Vermeulen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for and method of electrooptically scanning and reproducing recorded oscillations. 2,485,829, Oct. 25.
- Holst, Knute A., Astoria, Long Island, assignor to Pitometer Log Corporation, New York, N. Y. Shaft seal. 2,469,114, May 3.
- Holst, Knute A., Astoria, assignor to Pitometer Log Corporation, New York, N. Y. Electric motor follow-up apparatus. 2,486,029, Oct. 25.
- Holst, Paul F. G.: *See—*
Reid, John D., and Holst.
- Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Centering means for cathode-ray deflecting circuits. 2,487,550, Nov. 8.
- Holst, Torsten G., assignor to Mo Och Domsjö Aktiebolag, Ornskoldsvik, Sweden. Producing chlorine dioxide. Re. 23,111, May 10.
- Holst, William H., U. S. Navy, and G. R. Hersam, Takoma Park, Md. Webbable, strippable coating composition. 2,459,164, Jan. 18.
- Holstein, John H., assignor to Goodman Manufacturing Company, Chicago, Ill. Automatic tensioning means for belt conveyers. 2,463,273, Mar. 1.
- Holstein, John H., Chicago, Ill. Two-speed drive. 2,480,136, Aug. 30.
- Holstein, John H., Chicago, Ill. Apparatus for linking sausage. 2,482,911, Sept. 27.
- Holt, Arthur D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Deck construction for direct contact conditioning (cooling or drying) apparatus. 2,465,454, Mar. 29.
- Holt, Donald C., Oradell, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Aligning clamp for welding. 2,469,965, May 10.
- Holt, Edward M., Texarkana, Ark. Foldable drying rack. 2,483,051, Sept. 27.
- Holt, Harry C., Cranston, R. I. Exploding ship toy. 2,472,297, June 7.
- Holt, Josephine L., Oakland, Calif. Corset attachment. 2,472,974, June 14.
- Holt, Philetus H., II, Summit, and N. Menshik, Cranford, N. J., assignors to Standard Oil Development Company. Extraction of aromatics with aluminum halide-aromatic complexes. 2,481,843, Sept. 13.
- Holt, Ray G., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Unloading valve. 2,479,359, Aug. 16.
- Holt, Ray G., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Reciprocating vane pump. 2,485,491, Oct. 18.
- Holt, Sherman H., Tulsa, Okla. Pump plunger. 2,465,874, Mar. 29.
- Holt, William E. and W. R., Oakland, Calif. Drive unit for floor treating machines. 2,468,929, May 3.
- Holt, William R.: *See—*
Holt, William E., and W. R.
- Holter, Norman J.: *See—*
Varney, Justin A., and F. M., and Holter.
- Holthouse, Harry B., Jr.: *See—*
Holthouse, Harry B., Sr., and Holthouse, Jr.
- Holthouse, Harry B., Sr., and H. B. Jr., Chicago, Ill. Automatic fluid pressure control system. 2,475,503, July 5.
- Holton, Edward C., Los Angeles, Calif. Ammunition belt link guide mechanism for automatic guns. 2,466,893, Apr. 12.
- Holtzhauser, William A., Ferguson, Mo. Trimming device. 2,486,786, Nov. 1.
- Holtz, Gustav, San Francisco, Calif. Valve. 2,477,127, July 26.
- Holtz, Louis M., Chicago, Ill. Play pen. 2,464,866, Mar. 22.
- Holtzclaw, John B., Roselle, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Frost removing composition. 2,462,970, Mar. 1.
- Holtzer-Cabot, Inc., assignee: *See—*
Saretzky, Simon.
- Holtzman, Abraham M., New York, N. Y. Resilient unit for bed springs, chairs, and the like. 2,485,199, Oct. 18.
- Holuba, Stanley J., North Bergen, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Detergent products and their preparation. 2,480,579, Aug. 30.
- Homan, Frank G., Sioux Falls, S. Dak. Door hinge. 2,492,478, Dec. 27.
- Homan, Paul, Napoleon, Ohio. Outboard motor mounting. 2,472,704, June 7.
- Homan, Walter, assignor to The National Cash Register Company, Dayton, Ohio. Homing mechanism for cash registers and accounting machines. 2,475,666, July 12.
- Homann, Clifford, Humboldt Township, Coles County, Ill. Insulator support. 2,485,288, Oct. 18.
- Homelaya, Inc., assignee: *See—*
Rosenberg, Jacob E.
- Homeyer, August H.: *See—*
Wallingford, Vernon H., and Homeyer.
- Homeyer, Henry N., Jr., Elmhurst, Ill., assignor to The Kendall Company, Boston, Mass. Composite pressure-sensitive adhesive sheet material. 2,458,166, Jan. 4.
- Homiller, Richard P., Philadelphia, and E. L. Griffin, Jr., Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Production of apple essence. 2,479,745, Aug. 23.
- Homkes, Bartell J.: *See—*
Van Vliet, Paul D., and Homkes.
- Hommel, Charles L., assignor to Bower Roller Bearing Company, Detroit, Mich. Article feeding apparatus. 2,490,872, Dec. 13.
- Homrighous, John H., Oak Park, Ill. Time division carrier multiplex telephone system. 2,472,705, June 7.
- Honerkamp, Friedrich, and F. J. Kurth, assignors to Anemostat Corporation of America, New York, N. Y. Air flow control means. 2,466,851, Apr. 12.

- Honerkamp, Friedrich, and F. J. Kurth, assignors to Anemostat Corporation of America, New York, N. Y. Air flow control means. 2,470,488, May 17.
- Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass. 2,470,558, May 17.
- Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
Pearce, Harold.
- Hood, George F., and Winkler.
- Hood, Arthur, West Long Branch, N. J., and M. Sobel, New York, N. Y., and E. A. Terhune, Red Bank, N. J. Slip ring. 2,473,526, June 21.
- Hood, Charles B., Jr., W. Jones, and H. L. Johnston, Columbus, Ohio, assignors to The United States of America as represented by the United States Atomic Energy Commission. Device for measuring thermal conductivity. 2,475,138, July 5.
- Hood, E. Elliott, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Back pedaling brake for velocipedes. 2,489,964, Nov. 29.
- Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Molded glass article. 2,466,849, Apr. 12.
- Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Apparatus for molding glass. 2,472,660, June 7.
- Hoee, Hunter E., assignor to Victor Adding Machine Co., Chicago, Ill. Key lever spacer and guide for stenographic machines. 2,469,390, May 10.
- Hoof, Robert G., Glendale, Calif., assignor to Bendix Aviation Corporation. Current distributor. 2,466,238, Apr. 5.
- Hoogendam, Adriaan M. I., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Rotating atomizing cup burner and igniting and burning fuel therein. 2,483,974, Oct. 4.
- Hoogsteen, Harold M.: *See*—
Young, Arthur E., and Hoogsteen.
- Hook, David: *See*—
Mettrick, Arthur, and Hook.
- Hook, Donald E.: *See*—
Barry, Arthur J., Hook, and De Pree.
De Pree, Lee and Barry and Hook.
- Hook, Flavis E., and R. O. Riggs, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Coil shaping apparatus. 2,474,528, June 28.
- Hook, Harry H., Los Angeles, Calif. Apparatus for taking radiographs. 2,459,528, Jan. 18.
- Hooker Electrochemical Company, assignee: *See*—
Rucker, John T.
Sconce, James S., and Johnson.
Sconce, James S., Rosenberg, and Johnson.
Spence, Harry R., and Hooker.
- Hooker, George W., Sarnia, Ontario, Canada, and N. R. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Water-soluble cellulose ether plasticized with a cyclomethylene sulfone. 2,471,272, May 24.
- Hooker, Horace W.: *See*—
Spence, Harry R., and Hooker.
- Hooker, Howard W., assignor to Philco Corporation, Philadelphia, Pa. Latch mechanism. 2,469,113, May 3.
- Hooker, Ralph J., Hamilton, Ohio, assignor to United Aircraft Corporation, East Hartford, Conn. Pressure actuated fuel injection system for free-piston engines. 2,481,927, Sept. 13.
- Hookway, Harry T., Croydon, and E. M. Evans, Tonbridge, Kent, assignors to British Resin Products Limited, London, England. Cyanoethyl-substituted 1,3,5-trimethylene trisulphonates. 2,468,015, Apr. 19.
- Hooley, Walter: *See*—
McDonald, James, and Hooley.
- Hoop, John G., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Atmosphere production. 2,473,525, June 21.
- Hoop, John G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for production of heat-treating atmospheres. 2,473,527, June 21.
- Hooper, Clifford F. T., Toronto, Ontario, Canada, assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Electric water heater. 2,491,266, Dec. 13.
- Hooper, Frederick E., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cement-applying roll. 2,465,376, Mar. 29.
- Hooper, Harry, New York, N. Y., assignor to Air Reduction Company, Incorporated. Carbide feed mechanism for batteries of acetylene generators. 2,457,894, Jan. 4.
- Hooper, Harry, New York, N. Y., assignor to Air Reduction Company, Incorporated. Combined line and check valve. 2,464,400, Mar. 15.
- Hooper, Harry, New York, N. Y., assignor to Air Reduction Company, Incorporated. Carbide feed mechanism for acetylene generators. 2,480,292, Aug. 30.
- Hooper, Helen M., executrix: *See*—
Hooper, William D.
- Hooper, James M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire casing and repairing same. 2,483,010, Sept. 27.
- Hooper, John E., Burbank, Calif. Coffee filter. 2,461,736, Feb. 15.
- Hooper, William D., Chicago, Ill., H. M. Hooper, executrix of said William D. Hooper, deceased. Weight controlled container filling device. 2,489,776, Nov. 29.
- Hooper, William J., Elmhurst, Ill., assignor to Goss Printing Press Company. Static eliminator for printing presses. 2,483,542, Oct. 4.
- Hoopes, Penrose K., Philadelphia, Pa., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Collapsible tube. 2,485,885, Oct. 25.
- Hoosac Mills Corporation, assignee: *See*—
Hoerber, Harold.
- Hooser, Hartman D., Big Springs, Tex., and W. Vomacka, U. S. Navy. Hole cutting device. 2,460,826, Feb. 8.
- Hoosier Cardinal Corporation, assignee: *See*—
Bauer, Charles A., and Barnes.
- Hooven, Frederick J., Dayton, Ohio. Timing system for ignition and the like. 2,489,780, Nov. 29.
- Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Treatment of crude petroleum. 2,467,429, Apr. 19.
- Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Process of treating petroleum oils with a copper soap and of producing the copper soap. 2,471,153, May 24.
- Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of cuprous naphthenate in the treatment of petroleum oil. 2,472,253, June 7.
- Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of cuprous naphthenate. 2,472,424, June 7.
- Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating solids from liquid suspensions. 2,472,976, June 14.
- Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Treatment of crude petroleum oil. 2,473,431, June 14.
- Hoover Company, The, assignee: *See*—
Coons, Curtis C.
Daiger, George P.
Moody, Dwight L.
Segesman, Louis E.
Smellie, Donald G.
Snyder, Eugene L.
Troxler, Charles G.
White, Adam W.
White, Adam W., and Gilson.
White, Harry B.
- Hoover, Daniel S., Mansfield, Ohio. High lift side-delivery loader. 2,468,201, Apr. 26.
- Hoover, Dillon B., Edgewood, and G. L. Godwin, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual circuit generator. 2,467,751, Apr. 19.
- Hoover, Edward M., Anderson, Ind. Power tool. 2,463,387, Mar. 1.
- Hoover, Fred W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of dihydrodicyclopentadienyl methacrylate with esters of methacrylic acid. 2,462,400, Feb. 22.
- Hoover, George R., and N. Cox, Middletown, Ohio, assignors to Armo Steel Corporation. Producing coatings on metal. 2,487,137, Nov. 8.
- Hoover, George W., and E. E. Easton, U. S. Navy. Combined attitude and directional instrument for aircraft. 2,487,809, Nov. 15.
- Hoover, Howard L., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Unwoven filamentary web and producing same. 2,473,528, June 21.
- Hoover, Lucian T., Seminole, Okla., assignor to Phillips Petroleum Company. Mechanical starter for large internal-combustion engines. 2,463,178, Mar. 1.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Dive flap actuator and system. 2,466,426, Apr. 5.
- Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Starter-generator gearing. 2,466,427, Apr. 5.
- Hoover, Walter S., Montreal, Quebec, Canada. Oppositely rotating propellers. 2,470,560, May 17.
- Hopax Industries, Inc., assignee: *See*—
Tucker, John W.
- Hope, Eric S., Elizabeth, N. J., assignor, by mesne assignments, to Conveyor & Machinery Manufacturers, Inc., New York, N. Y. Gathering machine distributor. 2,471,214, May 24.
- Hope, Ernest, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Casing for shoe machines. 2,486,528, Nov. 1.
- Hope, Lawrence F.: *See*—
Zmuda, Andrew W., and Hope.
- Hope-Walton, Lionel W.: *See*—
Caldwell, Percy G., and Hope-Walton.
- Hope, William H., Jr., Lewiston, N. Y., assignor to Moore Business Forms, Inc. Strip trimmer for writing machines. 2,477,128, July 26.
- Hopeman, Albert A., Jr., and J. A. Bohnsack, Waynesboro, Va., assignors to Hopeman Bros., Inc., New York, N. Y. Folding berth. 2,492,362, Dec. 27.
- Hopeman Bros., Inc., assignee: *See*—
Hopeman, Albert A., Jr., and Bohnsack.

- Hope's Windows, Inc., assignee: *See*—
Lescaze, William.
- Hopfeld, Fred P., Elmwood Park, assignor to Grand Specialties Company, Chicago, Ill. Welder's clamp. 2,461,687, Feb. 15.
- Hopgood, Roy C., Glen Ridge, N. J. Remote-control adapter. 2,484,092, Oct. 11.
- Hopkins, Charles W.: *See*—
Alquist, Francis N., and Hopkins.
- Hopkins, Cyril J.: *See*—
Smith, Arthur R., Lee, and Hopkins.
- Hopkins, Ben, Indianapolis, and R. A. Woods, Morgantown, Ind. Arc lamp control. 2,489,137, Nov. 22.
- Hopkins, Ervin W.: *See*—
Coleman, Harold M., and Steffen, and Hopkins.
- Hopkins, Ervin W., Hinsdale, assignor to Armour and Company, Chicago, Ill. Preparation of dried protein products. 2,465,875, Mar. 29.
- Hopkins, Gerald K., Essex County, Mass. Hairpin opener. 2,480,581, Aug. 30.
- Hopkins, James W., Burbank, and E. L. Brinker, Roscoe, Calif. Adjustable coat hanger. 2,477,873, Aug. 2.
- Hopkins, Jerold W., assignor of sixty-five per cent to R. C. Cheney, La Crosse, Wis., and twenty-five per cent to W. C. Cheney, Lake City, Minn. Fish pole bracket for automobiles. 2,461,897, Feb. 15.
- Hopkins, John R., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Making metallic bellows. 2,478,398, Aug. 9.
- Hopkins, John W., Sr.: *See*—
Stolove, Martin, and Hopkins.
- Hopkins, Nevil M., deceased; R. B. Hopkins, executrix, assignor to R. B. Hopkins, New York, N. Y. Rifle rocket missile. 2,470,489, May 17.
- Hopkins, Nevil M., R. B. Hopkins, executrix of said N. M. Hopkins, deceased, assignor to R. B. Hopkins, New York, N. Y. Aerial torpedo. 2,480,927, Sept. 6.
- Hopkins, Raymonde B., assignee, executrix: *See*—
Hopkins, Nevil M.
- Hopkins, Robert C., Alliance, Ohio. Cylinder and concave mill with toothed cooperating surfaces. 2,484,509, Oct. 11.
- Hopkins, Robert L., Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Thermal treatment of sheets of magnesium metal. 2,464,578, Mar. 15.
- Hopkins, Robert L., Norfolk, Va. Fish lure. 2,480,580, Aug. 30.
- Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Film-handling apparatus and film reader projector. 2,481,668, Sept. 13.
- Hopkins, Theodore H., North Scituate, R. I. Tool for assembling carbine bolts. 2,474,844, July 5.
- Hopkinson Laboratories, Inc., assignee: *See*—
Robins, Samuel D.
- Hopkinson, Oliver W., Jr., Brackenridge, Pa. Antistick electromagnet with armatures. 2,491,895, Dec. 20.
- Hopkirk, Kenneth R., Rugby, England, assignor to General Electric Company. Turbogenerator cooling system. 2,491,314, Dec. 13.
- Hopley, Horace E.: *See*—
Beale, Charles E., and Hopley.
- Hopp, Harold C.: *See*—
Fisher, Franklin M., and Hopp.
- Hoppe, Boris, Kew Gardens, N. Y. Serving combination. 2,458,907, Jan. 11.
- Hoppe, Edgar B., assignor to St. Regis Paper Company, New York, N. Y. Multiply pasted end bag with sealed inner ply. 2,460,885, Feb. 8.
- Hoppe, Edgar B., assignor to St. Regis Paper Company, Multiply pasted end bag. 2,460,886, Feb. 8.
- Hoppe, Leo, Chicago, Ill. Making printing chases. 2,492,289, Dec. 27.
- Hopper, Dwight L.: *See*—
Rose, Herbert A., and Hopper.
- Hopper, Edward E., assignor to The Pittsburgh & West Virginia Railway Company, Pittsburgh, Pa. Photographic developing machine having an extensible light-sealing hood and automatic film feed. 2,463,386, Mar. 1.
- Hopper, William H., and V. R. Drake, Burbank, Calif., assignors to Washmobile Corporation. Vehicle washer. 2,465,562, Mar. 29.
- Hopping, Charles O., Long Beach, Calif. Puncture sealing Composition. 2,469,039, May 3.
- Hoppmann, William H., Valley Stream, N. Y. Peak accelerometer. 2,472,829, June 14.
- Hoppmann II, William H., and E. C. Taylor, Valley Stream, N. Y. Apparatus for electrically measuring strain applied in testing strength of materials. 2,475,614, July 12.
- Hopwood, John A., Westfield, assignor to Monitor Process Corporation, Jersey City, N. J. Device for attaching slide valves to liquid delivery tubes. 2,476,604, July 19.
- Hopwood, John A., Westfield, N. J. Double seal milk can. 2,484,624, Oct. 11.
- Hora, Anna, Cleveland, Ohio. Dental flask. 2,491,046, Dec. 13.
- Horback, William: *See*—
Caprio, Amerigo F., and Horback.
- Horclois, Raymond J., Malakoff, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Alpha-minopyridine antihistimic compounds. 2,489,777, Nov. 29.
- Hordes, Irving, Yonkers, N. Y. Apparatus for casting dental restorations. 2,474,105, June 21.
- Horgen, Helge B., Lyon, France, assignor of nine-tenths to R. P. Pescara, Lisbon, Portugal, and one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland. Free piston machine provided with pneumatic starting means. 2,462,745, Feb. 22.
- Horix Manufacturing Company, assignee: *See*—
Eggers, Alfred G.
- Horlacher, Herman: *See*—
Wilder, Warren, and Horlacher.
- Horlaescher, Herman: *See*—
Dall, Albert H., and Horlaescher.
- Horman, Alfred E., New York, N. Y. Locator and lock screw. 2,476,195, July 12.
- Hormel, Geo. A., & Company, assignee: *See*—
Hormel, Jay C.
- Hormel, Jay C., assignor to Geo. A. Hormel & Company, Austin, Minn. Producing lardlike product. 2,467,529, Apr. 19.
- Horn, Charles W., Portland, Oreg. Door operated mailbox signal. 2,480,469, Aug. 30.
- Horn, Clarence A., West Orange, assignor to H. L. Crowley, South Orange, N. J. Molded core. 2,475,321, July 5.
- Horn, Ernest H.: *See*—
Manger, Henry M., and Horn.
- Horn, George B., Fairfield, and H. E. Youngs, Norwalk, assignors to The Wheeler Insulated Wire Company, Inc., Bridgeport, Conn. Fluorescent lamp switch. 2,487,970, Nov. 15.
- Horn & Hardart Company of New York, assignee: *See*—
Baker, Raymond, Sr.
- Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,470,559, May 17.
- Horn, Jacques E., New York, N. Y. Detachable seat cushion. 2,470,929, May 24.
- Horn, Jacques E., New York, N. Y. Detachable seat cushion. 2,475,962, July 12.
- Horn, Knud: *See*—
Andersen, Axel B., and Horn.
- Hornbarger, Earl H., Edgewood, and W. Schaeichlin, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage control for ship propulsion. 2,482,484, Sept. 20.
- Hornberg, Charles V.: *See*—
Simpson, Thomas P., and Hornberg.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Paper machine clutch drive. 2,467,829, Apr. 19.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Fluid pressure operated device for use with clutches. 2,467,830, Apr. 19.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Doctor blade mounting. 2,470,400, May 17.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Paper machine wire stringing device. 2,473,100, June 14.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Wire guide. 2,488,294, Nov. 15.
- Hornbostel, Lloyd, and E. D. Beachler, assignors to Beloit Iron Works, Beloit, Wis. Shaft winder. 2,467,554, Apr. 19.
- Hornbostel, Lloyd, and E. D. Beachler, assignors to Beloit Iron Works, Beloit, Wis. Roll unloading apparatus. 2,467,555, Apr. 19.
- Horne, Burchard E., assignor to Watts Regulator Company, Lawrence, Mass. Control valve. 2,461,982, Feb. 15.
- Horne, Gilder S., Charlotte, N. C. Tobacco curing apparatus. 2,472,534, June 7.
- Horne, William A.: *See*—
Montgomery, Charles W., and Horne.
- Horne, William A., J., Haywards Heath, and E. J. Munday, Liphook, England. Permutation switch for the ignition system of motor vehicles. 2,491,561, Dec. 20.
- Horne, William R., Los Angeles, Calif. Animal trap. 2,471,748, May 31.
- Hornel, James C.: *See*—
Whitworth, Edward, and Hornel.
- Horneman, Herman C., Danville, R. V. Hussong, Urbana, S. N. Quam, Danville, Ill., and B. W. Hammer, Oakland, Calif., assignors to Sugar Creek Creamery Company, Danville, and Cherry-Burrell Corporation, Chicago, Ill. Butter manufacturing process. 2,466,894, Apr. 12.
- Horneman, Herman C., Danville, R. V. Hussong, Urbana, S. N. Quam, Danville, Ill., and B. W. Hammer, Oakland, Calif., assignors to Sugar Creek Creamery Company, Danville, and Cherry-Burrell Corporation, Chicago, Ill. Butter manufacturing means and method. 2,466,895, Apr. 12.
- Horneman, Herman C., Danville, R. V. Hussong, Urbana, S. N. Quam, Danville, Ill., and B. W. Hammer, Sarasota, Fla., assignors to Sugar Creek Creamery Company, Danville, and Cherry-Burrell Corporation, Chicago, Ill. Dairy process. 2,466,896, Apr. 12.
- Horney, Amos G.: *See*—
McFadden, George H., Lyman, and Horney.
- Horney, Amos G., and G. H. McFadden, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Compounding sponge rubber stock. 2,466,027, Apr. 5.
- Hornfeck, Anthony J.: *See*—
Dickey, Paul S., and Hornfeck.

- Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Method of and apparatus for magnetically determining gas content. 2,467,211, Apr. 12.
- Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Antihunt electrical measuring and controlling system. 2,482,064, Sept. 13.
- Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Antihunt electric motor control system. 2,482,065, Sept. 13.
- Hornflowa, Messrs., Limited, assignee: *See*—
Neiger, Richard, and Nachazel.
- Hornibrook, Walter J., McMasterville, Quebec, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Polymeric 4-vinylcyclohexene dioxide compositions. 2,470,168, May 17.
- Horning, Herman, New York, N. Y. Cigarette lighter. 2,476,148, July 12.
- Horning, Herman, New York, N. Y. Flint holder for cigarette lighters. 2,476,149, July 12.
- Horning, James W., Bloomsburg, Pa. Quick release device for parachute harnesses. 2,469,391, May 10.
- Horning, James W., Bloomsburg, Pa. Parachute canopy release device. 2,481,116, Sept. 6.
- Horning, Raymond H., and I. L. Wilcox, assignors to Oswego Falls Corporation, Fulton, N. Y. Container construction. 2,470,984, May 24.
- Hornor, Aurelius P., Montclair, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combination dictating and interoffice-communicating system. 2,485,381, Oct. 18.
- Horschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device for prime movers. 2,489,778, Nov. 29.
- Hornstein, Samuel, Chicago, Ill. Automatic print washer. 2,469,825, May 10.
- Hornston, Richard J., Tujunga, and H. F. Bryane, La Crescenta, Calif. Coupling device for flexible conduits. 2,475,322, July 5.
- Hornung, Clarence P., Hempstead, N. Y. Combined package and magazine for holding blades and/or other thin articles. 2,465,876, Mar. 29.
- Horowitz, Alexandre: *See*—
Gusdorf, Frederik H., and Horowitz.
- Horowitz, Robert M.: *See*—
Morris, Rupert C., and Horowitz.
- Horr, Daniel G., Spokane, Wash. Axially expansible rotary cutter. 2,473,952, June 21.
- Horrell, Lloyd L., Poquonock Bridge, Conn. Rotatable magnet device. 2,463,538, Mar. 8.
- Horse, Robert E., Harrington Park, N. J., assignor to The Givaudan Corporation. Mildewproofing composition containing copper naphthenate and bis-(5-chloro-2-hydroxy-phenyl) methane. 2,468,068, Apr. 26.
- Horsley, Caperton B., Stamford, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Electrical discharge device having cavity resonators. 2,458,167, Jan. 4.
- Horsley, Caperton B., Stamford, assignor to Machlett Laboratories, Inc., Springdale, Conn. Electrical discharge device. 2,482,275, Sept. 20.
- Horst, Roy A., Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Regenerator chamber for mercury cathode electrolytic cell. 2,467,892, Apr. 19.
- Horst, Tallmon E., assignor to United Air Lines, Inc., Chicago, Ill. Article handling and weighing apparatus. 2,490,131, Dec. 6.
- Horstman, Clifford C.: *See*—
Ford, James G., Horstman, and Bramble.
Nagel, Fritz J., and Horstman.
- Horth, Homer H., Cleveland, Ohio. Turf treating machine. 2,464,038, Mar. 8.
- Horth, Jack C.: *See*—
Sperry, Ralph W. E., and Horth.
- Horthy, William A., Chicago, Ill., assignor to International Harvester Company. Oil filter. 2,491,180, Dec. 13.
- Horton, Erwin C., Hamburg, and E. V. Schaal, East Aurora, assignors to Trico Products Corporation, Buffalo, N. Y. Motor shaft. 2,462,192, Feb. 22.
- Horton, Frank J., Decker, assignor to No Sag Spring Company, Detroit, Mich. Wire bending machine. Re. 23,169, Nov. 22.
- Horton, Frank R.: *See*—
Little, John S., Horton, and Armstrong.
- Horton, George T., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Elevated tank. 2,462,101, Feb. 22.
- Horton, John F., Jr., Springfield, and R. S. Lee, Jenkintown, assignors to Colonial Motors, Inc., Philadelphia, Pa. Demonstration kit. 2,489,779, Nov. 29.
- Horton, Joseph R., Knoxville, Tenn. Control unit for turbopower transmission apparatus. 2,491,109, Dec. 13.
- Horton Manufacturing Company, assignee: *See*—
Bradley, William H.
Lagerblade, Herbert C., and Root.
McCrary, Lawrence F., and Barton.
- Horton, Ronald J., London, England. Hair pad, hairband, or like article. 2,474,148, June 21.
- Horton-Wellings, Joseph, Market Drayton, England. Apparatus for repairing tire beads. 2,479,493, Aug. 16.
- Horton, William M., Camden, N. J. Calibrator for lead-computing sights. 2,476,981, July 26.
- Horton, William M.: *See*—
Girz, Adolph, and Horton.
- Horton, William P., Newburyport, Mass. Fish bait. 2,468,877, May 3.
- Horton, Winthrop S.: *See*—
Haigh, Paul V., and Horton.
- Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Closure for laundry machine tubs. 2,458,380, Jan. 4.
- Horvath, Oliver, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Machine tool. 2,487,243, Nov. 8.
- Horvitch, Gerard M., Johannesburg, Transvaal, Union of South Africa. Indicating sound pitch or voice inflection. 2,487,244, Nov. 8.
- Horvitz, Leo, assignor to E. E. Rosaire, Houston, Tex. Exploration by soil analysis. 2,470,401, May 17.
- Horwitz, Adolf I., assignor to Olafirn Limited, London, England. Assembly device for spelling blocks. 2,462,502, Feb. 22.
- Horwitz, Alfred S.: *See*—
Cahill, Lysle D., Buhl, and Horwitz.
- Horwitz, Harold H., assignor, by mesne assignments, to Cleancraft Corporation, Chicago, Ill. Replaceable cleaning unit and handle therefor. 2,464,509, Mar. 15.
- Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Fault signaling impulse repeater. 2,490,810, Dec. 13.
- Horwitz, Solomon, Belmont, Mass. Pallet. 2,486,284, Oct. 25.
- Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Lining for vessels, etc. 2,482,618, Sept. 20.
- Hosford, Norman F., Towaco, assignor to Bendix Aviation Corporation, Teterboro, N. J. Cabin altitude and oxygen use indicator. 2,473,586, June 21.
- Hosking, George T., Jamaica Plain, Boston, Mass. Combination lock. 2,477,182, July 26.
- Hospital Furniture, Inc., assignee: *See*—
McLean, Colin C., and Davis.
- Hosterman, Harry L., Jr.: *See*—
Mayne, Robert, and Hosterman.
- Hotchkiss, Harold F.: *See*—
Billman, Richard M., and Hotchkiss.
- Hotchkiss, Thomas, Sr., St. Louis, Mo. Trailer coupling. 2,471,689, May 31.
- Hotine, William, Great Neck, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. High-frequency oscillator. 2,462,866, Mar. 1.
- Hotpoint Inc., assignee: *See*—
Berg, Leo F.
Illian, Douglas F.
Oakley, Sterling A., and Staudt.
Vogel, Oliver G.
Vogel, Oliver G., and Ziffrin.
- Hotstream Heater Company, The, assignee: *See*—
Morrow, Clarence H.
Short, George A.
- Hotze, Albert, St. Louis, Mo., assignor to Henry Hotze & Sons Company. Golf bag carrying handle. 2,477,251, July 26.
- Hotze, Henry, & Sons Company, assignee: *See*—
Hotze, Albert.
- Houchins, Henry R., assignor to The Carborundum Company, Niagara Falls, N. Y. Ceramic bonded abrasive articles. 2,475,565, July 5.
- Houck, Hooper J.: *See*—
Brown, Bernard A., and Houck.
- Houck, Jonathan W., assignee: *See*—
Houck, Lloyd L.
- Houck, Lloyd L., assignor of one-half to J. W. Houck, Greencastle, Ind. Dispensing container with collapsible liner. 2,490,303, Dec. 6.
- Houck, Robert C.: *See*—
Dean, David, and Houck.
- Houdaille-Hershey Corporation, assignee: *See*—
Browne, William H., and Pavlish.
Dall, Edward D.
Jandus, Herbert S.
Johnson, Bernard C.
McLaughlan, John.
Pinner, Walter L.
Sandberg, Ray A.
Sebok, Joseph B., and Sebok.
Zelinski, William H.
- Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalyst pellet. 2,478,194, Aug. 9.
- Houdry Process Corporation, assignee: *See*—
Bates, John R.
Bland, Rophie E.
Blue, Richard W.
Faragher, Warren F., and Harrison.
Fontana, Frank J.
Houdry, Eugene J.
Milliken, Thomas H., Jr.
Milliken, Thomas H., Jr., and Mills.
Mills, George A.
Mills, George A., and Cornelius.
Newton, Roger H.
Noll, Henry D.

- Houdry Process Corporation, assignee: *See*—Continued.
 Shabaker, Hubert A.
 Shabaker, Hubert A., and Milliken, Jr.
 Shabaker, Hubert A., Mills, and Denison.
 Strader, Leroy F.
- Hough, Earl B., Detroit, Mich., assignor to Eureka Williams Corporation. Conversion arrangement for vacuum cleaners. 2,487,443, Nov. 8.
- Hough, Essie, Chicago, Ill. Comb. 2,464,447, Mar. 15.
- Hough, Frank C. Co., The, assignee: *See*—
 Beyerstedt, Ralph L.
- Houghland, Glen S., Huntington, assignor to The M. W. Kellogg Company, New York, N. Y. Fractionating apparatus. 2,476,095, July 12.
- Houghtaling, Amer L., Portland, Oreg. Artificial island. 2,488,542, Nov. 22.
- Houghtaling, Guy R., Rochester, N. Y. Machine for making circular form tools. 2,472,975, June 14.
- Houghtaling, Lester R., Yonkers, assignor to Wheel-dex Manufacturing Co., Inc., New York, N. Y. Brake mechanism for rotary files. 2,484,033, Oct. 11.
- Houghton, Augustus S., Riverdale, N. J., and F. R. Lowdermilk, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of xylidine. 2,489,886, Nov. 29.
- Houghton, Carl R., assignor to Roots-Connorsville Blower Corporation, Connorsville, Ind. Rotary pump. 2,489,887, Nov. 29.
- Houghton, E. F., & Co., assignee: *See*—
 Barber, Sidney J., and Eaton.
- Houghton, E. F., and Company, assignee: *See*—
 Figgdor, Hans G.
- Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Attenuator. 2,491,662, Dec. 20.
- Houghton Elevator Company, The, assignee: *See*—
 Borden, Joseph H.
- Houghton, Howard D.: *See*—
 Webster, Robert A., and Houghton.
- Houghton, John B., Sanger, Calif. Hoisting device. 2,472,251, June 7.
- Houghton, Joseph Y., Chevy Chase, Md. Method and apparatus for determining the three-dimensional direction of approach of an electromagnetic wave front. 2,459,165, Jan. 18.
- Houghton, Le Roy: *See*—
 Pozun, John L., and Houghton.
- Houghton, Leslie W.: *See*—
 Chatterjea, Prafulla K., and Houghton.
 Chatterjea, Prafulla K., Houghton, and Scully.
- Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. System for producing amplitude-modulated pulses. 2,480,137, Aug. 30.
- Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Synchronizing pulse gating system. 2,480,582, Aug. 30.
- Houk, Alva L., assignor to Röhm & Haas Company, Philadelphia, Pa. Halophenyl acetals. 2,463,541, Mar. 8.
- Houk, Ernest J., Los Angeles, and L. A. Strottner, Inglewood, Calif. Boat seat forming hand truck for handling outboard motors. 2,484,227, Oct. 11.
- Houlton, Harold G., assignor to The Girdler Corporation, Louisville, Ky. Grease manufacture. 2,483,282, Sept. 27.
- Houpt, Alfred G., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Recovery of rosin acids. 2,463,274, Mar. 1.
- Houpt, Donald T., Seattle, Wash., assignor to Boeing Airplane Company. Cabinet having combined shelf and slidable doors. 2,475,284, July 5.
- House, Bryan E.: *See*—
 Goepfrich, Rudolph A., and House.
- House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Internally expanding brake. 2,487,756, Nov. 8.
- House, Bryan E., assignor to Rendix Aviation Corporation, South Bend, Ind. Internally expanding brake. 2,492,934, Dec. 27.
- House, Bryan E., and R. A. Goepfrich, assignors to Bendix Aviation Corporation, South Bend, Ind. Pressure fluid brake motor. 2,466,425, Apr. 5.
- House, Kenneth R.: *See*—
 Olpin, Henry C., and House.
 Olpin, Henry C., House, and Wright.
- House, Samuel G., assignor of one-half to V. D. Payne, Jr., Abilene, Tex. Automatic control for refrigerators. 2,469,648, May 10.
- Housel, William S.: *See*—
 Byrne, John E., and Housel.
- Houseman, George A., Bellflower, Calif., assignor to Kool-Vent Metal Awning Company of Louisiana. Ventilator head. 2,478,761, Aug. 9.
- Houseman, Isaac D., Cleveland, Ohio. Safety attachment. 2,458,943, Jan. 11.
- Houseman, Edgar M., New York, N. Y. Clamp. 2,468,823, May 3.
- Houston, Charles E., San Marino, Calif. Harvester for packing lettuce, cabbage, celery and the like. 2,473,587, June 21.
- Houston, Charles O., Washington County, Pa. Ladder extension. 2,458,076, Jan. 4.
- Houston Corporation, The, assignee: *See*—
 Houston, Herbert W.
- Houston, Herbert W., Sherman Oaks, assignor to The Houston Corporation, Los Angeles, Calif. Camera dolly. 2,461,058, Feb. 8.
- Houston Oil Field Material Company, assignee: *See*—
 Robertson, Edward H.
- Houtcooper, Neil, Bigelow, Minn. Culvert cleaner having rotary excavating conveyers. 2,491,562, Dec. 20.
- Houting, Richard E., Albany, N. Y. Refrigerator and air conditioner. 2,475,615, July 12.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solutions of vinylidene chloride polymers in amide solvents. 2,460,578, Feb. 1.
- Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solutions of vinylidene chloride polymers in a solvent containing a sulfoxyl group. 2,460,579, Feb. 1.
- Houwink, Roelof, Wassenaar, assignor to Rubber-Stitching, Delft (South-Holland), Netherlands. Flexible bag for transporting cargo on water. 2,492,699, Dec. 27.
- Hovanian, Mardig, New York, N. Y. Valve and strainer unit. 2,464,579, Mar. 15.
- Hovannessian, Karnig, Cairo, Egypt. Spring clothes peg. 2,485,602, Oct. 25.
- Hoven, Alfred C.: *See*—
 Orton, Merritt K., and Hoven.
- Hovey, C. Earl, assignee: *See*—
 Bloomfield, Samuel.
 Bloomfield, Samuel, and Wallach.
 Knapp, Joseph H.
- Howard, Arthur M., and J. L. Jones, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Conjointly polymerized unsaturated substances. 2,462,042, Feb. 15.
- Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Gas turbine power plant. 2,479,573, Aug. 23.
- Howard, Arthur C.: *See*—
 Griffith, Edward N., and Howard.
- Howard, Arthur C., Leeds, England. Hand starting mechanism for internal-combustion engines. 2,479,114, Aug. 16.
- Howard, Arthur C., Upminster, England. Adjustable tractor steering assembly. 2,479,931, Aug. 23.
- Howard, Arthur G., Flint, Mich. Fumigating system. 2,473,684, June 21.
- Howard, Charles W., Long Beach, Calif. Wheel type target member. 2,468,979, May 3.
- Howard, Charles W., Franklin, Ohio. Pipe joint. 2,472,425, June 7.
- Howard, Edgar R.: *See*—
 Blanton, Albert, and O. H. and E. R. Howard.
- Howard, Edison J.: *See*—
 Boeck, Gunther A., and Howard.
- Howard Foundry Company, assignee: *See*—
 Siegert, Walter.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Polymerizing hydrocarbons. 2,479,360, Aug. 16.
- Howard, Frank L.: *See*—
 Woodward, Charles F., Howard, Kell, and Weil.
- Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner bag attachment. 2,471,431, May 31.
- Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Gate structure for disintegrators. 2,482,776, Sept. 27.
- Howard, George H., Long Beach, Calif. Static wheel balancing apparatus. 2,462,266, Feb. 22.
- Howard, Giles P. E., and A. Ivanoff, Luton, England. Centrifugal pump. 2,461,821, Feb. 15.
- Howard, Harry A.: *See*—
 Kelly, Howard E., and Howard.
- Howard, Hartley W.: *See*—
 Block, Richard J., and Howard.
- Howard, Kenneth L.: *See*—
 Denton, John J., and Howard.
- Howard, Kenneth L., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-chloropyrimidines. 2,477,409, July 26.
- Howard, Louis B., W. D. Ramage, Berkeley, and C. L. Rasmussen, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Preserving foods. 2,477,605, Aug. 2.
- Howard, Oscar H.: *See*—
 Blanton, Albert, and O. H. and E. R. Howard.
- Howard, Roy R.: *See*—
 Goines, John L., A. C., and C. S., and Howard, and Holland.
- Howard, Ruth, New York, N. Y. Garter purse. 2,481,594, Sept. 13.
- Howard, Stanley R.: *See*—
 Marshall, Donald E., Howard, and Clark.
- Howard, Stanley R., North Quincy, Mass., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Power-driven mechanism and portable demountable supporting standard therefor. 2,474,250, June 28.
- Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Cuff link for french type cuffs. 2,459,703, Jan. 18.
- Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Display device. 2,465,968, Mar. 29.
- Howard, William H., Barnsdall, Okla. Mixing slab for porcelain fillings. 2,492,479, Dec. 27.

- Howards & Sons Limited, assignee: *See*—
Goldberg, Alan A., Kelly, and Turner.
Huggett, Walter E., and Duffin.
Luck, Ritchie H., and Adcock.
- Howarth, William D., Milford, Conn. Window frame. 2,465,591, Mar. 29.
- Howatt, Glenn N., Metuchen, N. J. Continuous process for forming high dielectric ceramic plates. 2,486,410, Nov. 1.
- Howe, Albert E., Richmond Hill, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,482,777, Sept. 27.
- Howe, Alfred H., New York, N. Y. Piano keyboard and soft pedal action. 2,482,619, Sept. 20.
- Howe, Andrew F., assignor, by mesne assignments, to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Differential gearing for centrifugal machines. 2,458,706, Jan. 11.
- Howe, Andrew F., assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Dewatering and coking slurry coal. 2,474,251, June 28.
- Howe, Andrew F., assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Briquetting machine. 2,483,638, Oct. 4.
- Howe, Arnold C.: *See*—
Pothier, Arthur C., and Howe.
- Howe, Eugene E., Linden, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Amino acid solution and preparing the same. 2,457,820, Jan. 4.
- Howe, Eugene E., Bound Brook, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Recovery of arginine, histidine, and lysine from protein hydrolysates. 2,480,654, Aug. 30.
- Howe & Fant, Inc., assignee: *See*—
Claus, Walter B.
Giannini, Gabriel M.
- Howe Folding Furniture, Inc., assignee: *See*—
Schaus, Victor P.
- Howe, George R., Medaryville, Ind. Scraper guide. 2,472,076, June 7.
- Howe, Graydon B., Los Angeles, Calif. Musical gift box. 2,487,138, Nov. 8.
- Howe Machinery Company, Inc., assignee: *See*—
Agresti, Vincent A., Bogdanffy, Mitchell and Uhlig.
Uhlig, Henry C.
- Howe, Patrick H., Jamaica, N. Y. Shoeing gauge. 2,464,687, Mar. 15.
- Howe, Ralph F., Baton Rouge, La., assignor to Standard Oil Development Company. Diolefin distillation. 2,473,203, June 14.
- Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Apparatus for measuring liquid level or specific gravity. 2,460,503, Feb. 1.
- Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Wrapped wire strain gauge. 2,467,752, Apr. 19.
- Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Interchangeable electrical condition responsive unit. 2,483,300, Sept. 27.
- Howe, Willis R.: *See*—
Heath, Robert C., Howe, and King.
- Howell, Albert S., Culver, Ind., assignor to Bell & Howell Company, Chicago, Ill. Intermittent strip feed mechanism. 2,469,503, May 10.
- Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Magnetic transducer having an irregular nonmagnetic gap. 2,469,266, May 3.
- Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Magnetic recorder method and means. 2,484,568, Oct. 11.
- Howell, John D., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Bolt head and extractor for firearms. 2,473,373, June 14.
- Howell, Joseph C., Fort Lee, N. J. Wristband. 2,468,262, Apr. 26.
- Howell, Lloyd: *See*—
Turner, Ralph, and Howell.
- Howell, Lynn G., Silver Spring, Md., assignor to Standard Oil Development Company. Well logging. 2,474,581, June 28.
- Howell, McKinley, assignee: *See*—
Coffee, Richard W.
- Howell, Robert V.: *See*—
Echols, Thomas B., and Howell.
- Howell, Roy C., Lakewood, Ohio. Brake mechanism for truck cranes. 2,464,039, Mar. 8.
- Howell, Roy C., Cleveland, Ohio. Motor truck crane. 2,475,963, July 12.
- Howells, John N. M.: *See*—
Hibbard, Donald L., and Howells.
- Howells, Paul W.: *See*—
Summerhayes, Harry R., Jr., and Howells.
- Hower, James H., Northfield, assignor to Hower-White Co. Inc., Atlantic City, N. J. Locking mechanism for chair seats. 2,479,361, Aug. 16.
- Hower-White Co. Inc., assignee: *See*—
Hower, James H.
- Howes, Gordon T., Belmont, assignor to Eittle-McCullough, Inc., San Bruno, Calif. Stem structure for electron tubes. 2,491,735, Dec. 20.
- Howes, Irving C., assignor to Davis & Furber Machine Company, North Andover, Mass. Spooler. 2,485,382, Oct. 18.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Shock-damping verge plate. 2,474,627, June 28.
- Howk, Benjamin W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of furfural. 2,487,054, Nov. 8.
- Howland, Louis H.: *See*—
Tewksbury, Lyndon B., Jr., and Howland.
- Howland, Louis H., Watertown, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,458,780, Jan. 11.
- Howland, Louis H., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Preserving synthetic rubber. 2,460,177, Jan. 25.
- Howland, Louis H., Watertown, and B. A. Hunter, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Preservation of synthetic rubber with aromatic arsenites. 2,466,810, Apr. 12.
- Howland, Louis H., Watertown, Conn., and L. B. Tewksbury, Jr., Potsdam, assignors to United States Rubber Company, New York, N. Y. Rubber tackified with acylated phenolaldehyde resin. 2,485,097, Oct. 18.
- Howland, Paul L., Wichita, Kans. Auxiliary throttle valve control. 2,471,690, May 31.
- Howie, Ernest O., Chicago, Ill. Furnace. 2,471,749, May 31.
- Howlett, Edward J., North Finchley, London, assignor to H. N. R., and M. Gledhill, Halifax, England (trading as Thomas's). Pressure head for laundry and other machines. 2,483,461, Oct. 4.
- Howlett, John W., and A. J. Woolcott, assignors of one-third to Wellworth Piston Rings Limited, Lymington, England. Means for lapping taper sided split rings. 2,474,358, June 28.
- Howry-Berg Steel & Iron Works, assignee: *See*—
Galbreath, Robert H.
Walters, Vernon F.
- Howse, Cyril G., Farmoor, Botley, England. Mechanical milking apparatus. 2,470,169, May 17.
- Hoy, Thomas J., Newark, N. J. Valve adjustment apparatus. 2,490,811, Dec. 13.
- Hoyler, Cyril N.: *See*—
Brown, George H., and Hoyler.
- Hoyler, Cyril N., Princeton, and R. A. Bierwirth, Kingston, N. J., assignors to Radio Corporation of America. Rotary conveyer. 2,470,311, May 17.
- Hoyt, Gerald A.: *See*—
Alexanderson, Ernst F. W., Edwards, and Hoyt.
- Hoyt, Leo E., Climax, Mich. Mower attachment for tractors. 2,485,383, Oct. 18.
- Hoyt, William C., Sr., Aberdeen, Wash. Leaf separator for berry picking machines. 2,471,326, May 24.
- Hrabal, Eduard, assignor of thirty-five per cent to R. Dominguez, Washington, D. C. Automatic load release mechanism for parachutes. 2,489,709, Nov. 29.
- Hrabarchuk, Joe, St. Boniface, Manitoba, Canada. Can-opening machine. 2,463,276, Mar. 1.
- Hradecky, Josef, Bregenz, Vorarlberg, assignor to H. Ginter and H. Manzoni, Vienna, Austria. Extraction of sugar from sugar-containing liquids. 2,488,974, Nov. 22.
- Hrdina, Rudolf, Tyniste, Czechoslovakia. Variable-speed sand roll take-up for looms. 2,465,649, Mar. 29.
- Hrdina, Rudolf, Tyniste nad Orlici, Bohemia, Czechoslovakia. Under pick motion for looms. 2,481,425, Sept. 6.
- Hrebek, Robert F., University Heights, assignor to The Columbia Rubber Mold Company, Cleveland, Ohio. Apparatus for continuously vulcanizing strip material. 2,476,868, July 19.
- Hsu, Eugene T., New York, N. Y., assignor to General Electric Company. High-frequency dielectric heating apparatus. 2,473,251, June 14.
- Hubbard, Albert B., Caldwell, N. J., assignor to General Electric Company. Thermostatic modulating system. 2,480,098, Aug. 23.
- Hubbard, Arthur R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for turning the platform covers of platform shoes. 2,470,170, May 17.
- Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Fuse guard for cutouts. 2,461,898, Feb. 15.
- Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Electrical connector. 2,471,957, May 31.
- Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Earth anchor. 2,490,355, Dec. 6.
- Hubbard, Eva L., administratrix: *See*—
Hubbard, Vernon L.
- Hubbard, Howard N., and E. F. Ketterer, Lorain, Ohio, assignor to National Tube Company. Device for sampling molten metal in a ladle or the like. 2,485,492, Oct. 18.
- Hubbard, Merle R., Cedar Rapids, Iowa, assignor to Collins Radio Company. High-frequency resonator. 2,462,639, Feb. 22.
- Hubbard, Richard T., Spokane, Wash. Level. 2,487,245, Nov. 8.
- Hubbard Spool Company, assignee: *See*—
Powell, Edward W.
- Hubbard, Vernon L., Denver, Colo., E. T. Hubbard, administratrix de bonis non of said V. L. Hubbard, deceased. Strip film developing tank. 2,465,977, Mar. 29.

- Hubbell, Adrian O., Long Beach, Calif. Apparatus for handling fluids. 2,471,623, May 31.
- Hubbell, Charles C., Meadville, Pa., assignor to The Yoder Company, Cleveland, Ohio. Evaporator. 2,481,511, Sept. 13.
- Hubbell, Charles C., assignor to The Yoder Company, Cleveland, Ohio. Evaporator structure. 2,481,512, Sept. 13.
- Hubbell, Clarence Z., Endicott, N. Y. Loose-leaf binder. 2,469,922, May 10.
- Hubbell, Harvey, Long Hill, Conn. Lead connector. 2,462,867, Mar. 1.
- Hubbell, Harvey, Incorporated, assignee: *See*—
Healy, Joseph F., Jr.
Jankura, Steven J.
- Hubbert, Leslie S., and H. J. Miller, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Molding apparatus. 2,482,342, Sept. 20.
- Huber, Albert F., and O. F. Magnus, Chicago, Ill., assignors to American Brake Shoe Company, New York, N. Y. Rail lubricator. 2,486,600, Nov. 1.
- Huber, Clarence A., Chicago, Ill. Electrical outlet safety device. 2,477,803, Aug. 2.
- Huber, Ferris C.: *See*—
Potter, Russell L., and Huber.
- Huber, Francis C., Riverton, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of pyridine carboxylic acid. 2,487,874, Nov. 15.
- Huber, George H.: *See*—
Cox, Leslie R., and Huber.
- Huber, Howard E. and M. W., Watertown, N. Y., assignors to The New York Air Brake Company. Relief valve for hydraulic systems. 2,473,953, June 21.
- Huber, J. M., Corporation, assignee: *See*—
Lister, Roscoe C.
Punshon, Thomas, Jr., and Williams.
- Huber, Louis C., assignee: *See*—
Richeson, Sanford E., and Allegro.
- Huber, Matthew W.: *See*—
Huber, Howard E. and M. W.
- Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic circuit. 2,461,279, Feb. 8.
- Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic circuit with dual pressure control. 2,462,971, Mar. 1.
- Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Cylinder construction for parallel cylinder pumps. 2,464,448, Mar. 15.
- Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Piston sealing structure. 2,468,980, May 3.
- Huber, Paul, Hillside, and A. T. Williams, Westfield, assignors to Weston Electrical Instrument Corporation, Newark, N. J. Internal pivot electrical measuring instrument. 2,463,770, Mar. 8.
- Huber, Robert, Paris, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite Energie S. A., Geneva, Switzerland. Free piston engine control. 2,473,204, June 14.
- Huber, Walter, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Method and device for fixing and sealing tubes in a partition wall by use of fluid pressure. 2,460,580, Feb. 1.
- Huber, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Apparatus for making sustained load rupture tests. 2,467,129, Apr. 12.
- Huber, Walter, assignor to Sulzer Freres, Société Anonyme, Winterthur, Switzerland. Gas heater regulation. 2,477,804, Aug. 2.
- Huber, Walter, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Tube nest manufacture. 2,489,888, Nov. 29.
- Huber, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Scaffold structure for use in tube nest manufacture. 2,489,889, Nov. 29.
- Huber, Wolfgang, Hillbrow, Castleton on Hudson, and W. R. Boehme, Albany, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Vitamin compositions. 2,460,009, Jan. 25.
- Huber, Wolfgang, Kings County, N. Y., and W. R. Boehme, Prince Georges County, Md., assignors to Winthrop-Stearns Inc., New York, N. Y. Thiamine 2-ethylhexyl sulfate. 2,468,930, May 3.
- HuBERT, Fred, Jr., Essex County, and V. A. Kildare, Bergen County, N. J., assignors to Congoleum-Nairn Inc. Floor covering and composition material therefor. 2,482,185, Sept. 20.
- Hubley, Claude F., Utica, N. Y. French horn. 2,484,408, Oct. 11.
- Hubley Manufacturing Company, The, assignee: *See*—
Brubaker, Jacob E.
- Hubmann, Paul, Zug, Switzerland. Turret-type domestic kitchen machine. 2,483,905, Oct. 4.
- Hubscher, Eric W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor ventilation. 2,488,409, Nov. 15.
- Huchberger, Alfred P.: *See*—
Griffith, Ivor, and Huchberger.
- Huck, Alfred J., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Safety guard for heaters. 2,467,479, Apr. 19.
- Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Electronic temperature control for warming blankets and the like. 2,490,965, Dec. 13.
- Huck, John L., Jr., assignor to Hoffman-La Roche Inc., Nutley, N. J. Hydroxy amides of dihydroxy benzoic acid. 2,463,462, Mar. 1.
- Huck, Louis C., Grosse Pointe, assignor, by mesne assignments, to Huck Manufacturing Company, Detroit, Mich. Riveting. 2,466,811, Apr. 12.
- Huck Manufacturing Company, assignee: *See*—
Huck, Louis C.
- Huck, Wallace M., Oldwick, N. J. Flower holder. 2,486,848, Nov. 1.
- Huck, William E., Forest Hills, assignor to R. Hoe & Co., Inc., Bronx, N. Y. Routing machine. 2,482,620, Sept. 20.
- Huck, William F., Forest Hills, N. Y. Railway track lubricating device. 2,489,182, Nov. 22.
- Hucks, Robert T.: *See*—
Brown, Arthur R., Hucks, and Johnson.
- Hucks, Robert T., South River, and R. R. Denslow, Nutley, N. J., assignors to E. I. du Pont de Nemours and Company, Wilmington, Del. A stable coating composition and making it. 2,466,770, Apr. 12.
- Hudak, Frank J., assignor to The Torrington Manufacturing Company, Torrington, Conn. Water-cooled slab mold. 2,477,060, July 26.
- Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Blower for hay choppers. 2,465,156, Mar. 22.
- Huddleston, John M., Jr., Shreveport, La. Portable electric lamp controller. 2,477,746, Aug. 2.
- Hudkins, Clyde, Moundsville, W. Va. Square. 2,470,035, May 10.
- Hudnut, Richard, assignee: *See*—
MacGregor, May.
- Hudson, Edwin B., Middletown, Ohio, assignor to Armco Steel Corporation. Car wheel construction for resisting the transmission of vibrations. 2,468,931, May 3.
- Hudson, Edwin B., Middletown, Ohio, assignor to Armco Steel Corporation. Resilient car wheel. 2,477,874, Aug. 2.
- Hudson Engineering Corporation, assignee: *See*—
Gudenrath, George L.
- Hudson, Henry B., assignor of one-half to Byron H. King, Jr., Orlando, Fla. Tire vulcanizer. 2,464,232, Mar. 15.
- Hudson, Ida L., executrix, assignee: *See*—
Best, Urban B., and Hudson.
- Hudson, Lawrence A., Vadersburg, Ind. Rain shield. 2,478,268, Aug. 9.
- Hudson, Murdock R., Kansas City, Kans. Row marking device for tractors. 2,483,011, Sept. 27.
- Hudson, Russell O., Hollywood, Calif. Electric cord splice. 2,475,184, July 5.
- Hudson, Sharon J., Monroe County, Mich., assignor to Sharon Manufacturing Company, Toledo, Ohio. Portable grill. 2,467,480, Apr. 19.
- Hudson, Virgil L.: *See*—
Best, Urban B., and Hudson.
- Hudson, William T., Houston, Tex., assignor to Chicago Bridge & Iron Company. Gas storage container. 2,477,606, Aug. 2.
- Hudson, William W., assignor to Deere & Company, Moline, Ill. Electrically welding plowshares. 2,467,311, Apr. 12.
- Hudson Bay Mining and Smelting Co., Limited, assignee: *See*—
Dahlgren, Dwight J. A., Hendrickson, and Griffith.
Grith, Dinsmore L., and Rankin.
Hendrickson, Luther G.
Lowe, Sherwin P., Long, Kent, and Downes.
- Hudspeth, Emmett L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Locating beacons. 2,472,212, June 7.
- Huebner, Francis C., assignee: *See*—
Lewis, Charles P., and Cureton.
- Huebner, William C., New York, N. Y. Reproducing camera. 2,458,269, Jan. 4.
- Huebner, William C., New York, N. Y. Printing apparatus. 2,460,504, Feb. 1.
- Huebner, William C., New York, N. Y. Dampening or moistening roller. 2,464,040, Mar. 8.
- Huebner, William C., New York, N. Y. Porous printing cylinder. 2,468,400, Apr. 26.
- Huebner, William C., New York, N. Y. Predetermined registering device for printing elements. 2,481,928, Sept. 13.
- Huebner, William C., New York, N. Y. Process and apparatus for electronographic printing. 2,483,462, Oct. 4.
- Huebner, William C., New York, N. Y. Right-angle image reverser for cameras. 2,486,849, Nov. 1.
- Huebner, William C., New York, N. Y. Method and means for registering prints from printing elements. 2,492,528, Dec. 27.
- Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Lighting fixture. 2,478,825, Aug. 9.
- Huelster, Otto J.: *See*—
Fenton, Paul E., and Huelster.

- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Staple setting die. 2,457,896, Jan. 4.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Plastic button. 2,461,324, Feb. 8.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Threaded insert. 2,466,546, Apr. 6.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Separable fastener. 2,468,630, Apr. 26.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Reduction drive mechanism. 2,472,771, June 7.
- Huelster, Otto J., assignor to Scoville Manufacturing Company, Waterbury, Conn. Fastener. 2,486,411, Nov. 1.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener. 2,486,412, Nov. 1.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Belt buckle with slidable grip element. 2,486,652, Nov. 1.
- Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Envelope snap fastener. 2,489,032, Nov. 22.
- Huenergardt, Clarence H., administrator, assignee: *See*—Huenergardt, William H.
- Huenergardt, Lydia, assignee: *See*—Huenergardt, William H.
- Huenergardt, William H., deceased; C. H. Huenergardt, administrator, assignor of one-half to L. Huenergardt, Chicago, Ill., one-fourth to C. H. Huenergardt, St. Paul, Minn., and one-fourth to C. Reeker, Madison, Nebr. Automatic heat control apparatus. 2,492,865, Dec. 27.
- Huetten, Clarence: *See*—Aust, Robert J., and Huetten.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Short vibrator. 2,478,101, Aug. 2.
- Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,484,093, Oct. 11.
- Huff, Chester J., Winfield, Kans. Utility knife. 2,467,481, Apr. 19.
- Huff, Everett B., San Francisco, Calif. Fluorescent lamp. 2,477,456, July 26.
- Huff, Glenn L., San Diego, Calif. Rug stretcher. 2,482,186, Sept. 20.
- Huff, Harry A., Jr., Jersey City, N. J., assignor to Air Reduction Company, Incorporated. Cutting and welding machine. 2,472,948, June 14.
- Huff, Harry A., Jr., Jersey City, and R. M. Rooke, Long Branch, N. J., assignors to Air Reduction Company, Incorporated. Adjustable duplex tip holder. 2,483,730, Oct. 4.
- Huff, Harold I., Los Angeles, Calif. Water-cooling attachment for projection arc lamps. 2,478,533, Aug. 9.
- Huff, Henry S., Princeton Junction, N. J., assignor to Radio Corporation of America. Variable inductance signal translating device. 2,475,185, July 5.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for the conversion of fluid reactants. 2,463,623, Mar. 8.
- Huff, Lyman C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Method and retort for the distillation of solid hydrocarbonaceous materials. 2,463,693, Mar. 8.
- Huff, Lyman C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Reactor for close temperature control. 2,475,025, July 5.
- Huff, Roy L., Eatontown, N. J., assignor to United States of America as represented by the Secretary of War. Microphone holder. 2,467,383, Apr. 19.
- Huff, Van E., Miami, Fla. Louver construction and pivot clip therefor. 2,490,438, Dec. 6.
- Hufferd, George H.: *See*—Balogh, Roy O., and Hufferd.
- Hufferd, George H., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Flexible hose coupling. 2,479,683, Aug. 23.
- Hufferd, George H., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Brake hose end. 2,489,890, Nov. 29.
- Hufferd, George H., Shaker Heights, and J. N. Paquin, Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Piston seal. 2,466,428, Apr. 6.
- Huffman, Charles E., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Control for color television. 2,490,812, Dec. 13.
- Huffman, Clarence S.: *See*—Huffman, L. E. and C. S.
- Huffman, Hannibal P., Seattle, Wash. Plasterer's angle plane. 2,490,304, Dec. 6.
- Huffman, Hal C.: *See*—Nahin, Paul G., and Huffman.
- Huffman, Hal P., Rockford, and R. B. Snively, Winnebago, Ill. Emergency tire chain. 2,461,737, Feb. 15.
- Huffman, James O., Los Angeles, Calif. Troweling machine. 2,468,981, May 3.
- Huffman, Lester E. and C. S., Rolla, Mo. All-purpose clamp on box hanger. 2,464,314, Mar. 15.
- Hufnagel, Andrew, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay control circuits. 2,465,805, Mar. 29.
- Hufnagel, Andrew, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Reducing code distortion in coded signaling systems. 2,479,684, Aug. 23.
- Huge, Henry M.: *See*—Pohmi, George H., and Huge.
- Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Oscillation generator. 2,460,637, Feb. 1.
- Huge, Henry M., Lorain, Ohio, assignor to Lorain Products Corporation. Telephone ringing current generator. 2,461,547, Feb. 15.
- Huge, Henry M., Lorain, Ohio, assignor to Lorain Products Corporation. Frequency reducer. 2,462,322, Feb. 22.
- Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Magnetic frequency multiplier. 2,463,539, Mar. 8.
- Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Frequency reducer. 2,463,540, Mar. 8.
- Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Frequency reducer. 2,468,878, May 3.
- Hugg, Ralph W., Cle Elum, Wash. Telescope mount for guns. 2,464,134, Mar. 8.
- Huggett, Walter E., and G. F. Duffin, Gidea Park, assignors to Howards & Sons, Limited, Ilford, England. Manufacture of thymol. 2,468,670, Apr. 26.
- Huggill, Henry P. W., and R. G. A. New, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Making 1:4-dicyanobutene. 2,488,913, Nov. 22.
- Huggins, Maurice L.: *See*—Sun, Kuan-Han, and Huggins.
- Hughes, Albert T., Mold, North Wales. Device for measuring the pressure exerted on cutting tools. 2,477,457, July 26.
- Hughes, Arthur H., assignor to Messrs. Arthur Guinness Son and Company Limited, Dublin, Eire. Preservation of beer. 2,472,252, June 7.
- Hughes, Burton S., assignor to Zarembo Company, Buffalo, N. Y. Vortical current separator. 2,473,488, June 14.
- Hughes By-Product Coke Oven, assignee: *See*—Hughes, Charles H.
- Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y. Broad coke oven with tar preheater. 2,486,413, Nov. 1.
- Hughes, Charles O., Baltimore, Md. Straightening bowling alleys. 2,483,976, Oct. 4.
- Hughes, Clifford J.: *See*—Schneider, Gerhard G., and Hughes.
- Hughes, Denis H., assignor to Pye Limited, Cambridge, England. Radio communication system. 2,488,193, Nov. 15.
- Hughes, Dewey C., Murphy, N. C., assignor of two-thirds to H. Yeager, Stockton, Calif. Egg beater. 2,482,587, Sept. 20.
- Hughes, Edward G.: *See*—Bergel, Franz, Cohen, Haworth, and Hughes. Bergel, Franz, Cohen, Haworth, Hughes, and Silk.
- Hughes, Edward M.: *See*—Dougherty, Patrick F., Barton, and Hughes.
- Hughes, Edwin J., Jr.: *See*—Salzberg, Louis, and Hughes, Jr.
- Hughes, Ethel L., Houston, Tex. Diaper. 2,476,869, July 19.
- Hughes, Everett C.: *See*—Burk, Robert E., and Hughes.
- Hughes, Everett C., Cleveland Heights, J. D. Bartleson, Cleveland, M. L. Sunday, Cleveland Heights, and M. M. Fink, Parma, assignors to The Standard Oil Company, Cleveland, Ohio. Apparatus for testing lubricating oils. 2,464,233, Mar. 15.
- Hughes, Everett C., Cleveland Heights, and S. M. Darling, assignors to The Standard Oil Company, Cleveland, Ohio. Cracking hydrocarbons in the presence of fluoroborate catalyst. 2,466,706, Apr. 12.
- Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Continuous process for making aryl amines. 2,490,813, Dec. 13.
- Hughes, Harold P., Canton, Ohio. Trailer hitch. 2,486,161, Oct. 25.
- Hughes, Henry & Son Limited, assignee: *See*—Sproule, Donald O.
- Hughes, Johnstone E., Ansonia, Conn. Lever type jar cap remover. 2,483,830, Oct. 4.
- Hughes, Lafayette M., assignee: *See*—Herbold, Robert J.
- Hughes, Landrum L., Erick, Okla. Thief line for butane tanks. 2,460,454, Feb. 1.
- Hughes, Leighton E., U. S. Navy. Main feed pump recirculating line erosion control device. 2,459,166, Jan. 18.
- Hughes, Lester W., Newport, R. I. Sliding window sash holder. 2,478,582, Aug. 9.
- Hughes, Ralph L., Los Angeles, Calif. Time controlled switch mechanism. 2,458,853, Jan. 11.
- Hughes, Thomas M., Drummond, Mont. Shelf to hold working tools for lubrication hoists. 2,481,595, Sept. 13.

- Hughes Tool Company, assignee: *See*—
Bagge, Walter.
Lewis, William L., and Pahl.
Pearson, Charles B., and Sandstrom.
Suthann, Robert A.
Young, John, Jr.
- Hughes, Walter J., assignor to Inflico Incorporated, Chicago, Ill. Feeder for pulverant material with a vertically reciprocable belt conveyor. 2,490,439, Dec. 6.
- Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic print straightener. 2,458,381, Jan. 4.
- Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Developing rack. 2,475,964, July 12.
- Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Multipiece cutting tip. 2,468,824, May 3.
- Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for feeding powdered material. 2,470,819, May 24.
- Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for cutting metal. 2,491,563, Dec. 20.
- Hugin, Adolph C., Arlington, Mass. Dynamoelectric machine. 2,487,551, Nov. 8.
- Huhn, John, Jr., Detroit, Mich. Clothes rack. 2,472,480, June 7.
- Hukill, Harry E., Los Angeles, Calif. Basic arch foundation. 2,486,653, Nov. 1.
- Hukill, Henry D.: *See*—
Wilson, Albert E., and Hukill.
- Hula, Robert: *See*—
Mark, Clayton, Jr., Hula, and Alwart.
- Hulbert, Charles C., Cabin Creek, W. Va., assignor to The Pure Oil Company, Chicago, Ill. Thermostatically controlled bath. 2,480,470, Aug. 30.
- Hulbert, Clinton H., Long Beach, Calif. Electrodynamic machine. 2,475,837, July 12.
- Hulbert, Edward A., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich. Lubrication means for dual propeller shaft assemblies. 2,457,999, Jan. 4.
- Hulburt, George D., and R. E. Conaway, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Pipe-bending machine. 2,467,671, Apr. 19.
- Huling, Harry R., assignee: *See*—
Meckley, Raymond H.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Apparatus for magnetic field investigation. 2,468,554, Apr. 26.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Cesium electric discharge device. 2,489,891, Nov. 29.
- Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Conducting aldol condensation reactions. 2,468,710, Apr. 26.
- Hull, David C., Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of acyl halides. 2,475,966, July 12.
- Hull, David C., Oak Ridge, and J. F. Quarles, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing a copper catalyst. 2,475,965, July 12.
- Hull, David C., and A. H. Agett, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Producing enol acetates. 2,481,669, Sept. 13.
- Hull, David C., and A. H. Agett, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Acetylation of compounds containing a
—CO—(CH₂)_x—CO—
group. 2,482,066, Sept. 13.
- Hull, David C., and J. R. Snodgrass, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of insecticidal polyphosphate esters. 2,492,153, Dec. 27.
- Hull, Derlson B., Winnetka, assignor to D. B. Hull, doing business as Otarian, Chicago, Ill. Supporting clip. 2,480,024, Aug. 23.
- Hull, Ernest, Davenport, Iowa. Collet adapter. 2,478,195, Aug. 9.
- Hull, Frederick C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brazing alloy. 2,473,886, June 21.
- Hull, Harper H., Birmingham, Ala. Electric steering control. 2,470,820, May 24.
- Hull, Henry E.: *See*—
Hartley, Emmett C., and Hull.
- Hull, Henry E., assignor to The Parker Appliance Company, Cleveland, Ohio. Tube flaring machine. 2,464,510, Mar. 15.
- Hull, Henry E., assignor to The Parker Appliance Company, Cleveland, Ohio. Hydraulic control for fuel selector valves. 2,481,426, Sept. 6.
- Hull, Henry E., and P. L. Takacs, assignors to The Parker Appliance Company, Cleveland, Ohio. Machine for beading tubes by radial expansion followed by axial pressure. 2,458,854, Jan. 11.
- Hull, Henry E., and T. H. Rots, assignors to The Parker Appliance Company, Cleveland, Ohio. Fluid pressure apparatus for successively clamping and deforming tube ends. 2,478,102, Aug. 2.
- Hull, Henry II., assignee: *See*—
Peebles, Aldrich M.
- Hull, Maurice E.: *See*—
Almy, Emory F., and Hull.
- Hull, Raymond J., and R. W. Hursh, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire and attachable vane therefor. 2,457,897, Jan. 4.
- Hull, Roy: *See*—
Basford, Frederick R., Curd, Rose, Openshaw, Hull, and Todd.
- Hullinger, John H., San Francisco, Calif. Universal joint. 2,474,529, June 28.
- Hulman, Julius: *See*—
Beaman, Bernard, Hulman, and Stein.
- Hulme, Philip M., Stamford, Conn., assignor to Air Reduction Company, Incorporated. Seal for controlled atmosphere muffle furnaces. 2,480,293, Aug. 30.
- Hulquist, Edward M., Dallas, Tex. Bricklayer's line trig. 2,492,044, Dec. 20.
- Hulsberg, William E., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Catalyst regenerator and recovery apparatus. 2,462,193, Feb. 22.
- Hulse, Newton M.: *See*—
Donaldson, Jefferson R., and Hulse.
- Hulst, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Pulse transmission system. 2,472,706, June 7.
- Hulst, George D., Jr., Upper Montclair, N. J., assignor to Radio Corporation of America. Cathode-ray deflection circuit. 2,463,969, Mar. 8.
- Hulstede, George B., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Antenna system. 2,472,213, June 7.
- Hulstedt, Otis L., Woodhull, Ill. Handy stoker scoop. 2,473,647, June 21.
- Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package. 2,491,663, Dec. 20.
- Hultquist, Martin E.: *See*—
Northey, Elmore H., and Hultquist.
- Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Process of preparing 1,1,3,3-tetraalkoxypropanes. 2,459,076, Jan. 11.
- Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Pteridine compounds and preparing same. 2,466,897, Apr. 12.
- Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of heterocyclic compounds. 2,473,796, June 21.
- Hultquist, Martin E., and D. R. Seeger, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing pterins. 2,472,481, June 7.
- Hultquist, Martin E., Bound Brook, and F. F. Dreisbach, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing substituted pterins. 2,472,482, June 7.
- Humason, Granville A., Houston, Tex. Gas controller for well pumps. 2,458,270, Jan. 4.
- Humason, Granville A., Houston, Tex. Valve assembly. 2,466,313, Apr. 5.
- Humason, Granville A., Houston, assignor of one-half to E. E. Townes, Harris County, Tex. Wellhead. 2,475,429, July 5.
- Humbert, Alfred L.: *See*—
Goldsmith, Henry A., and Humbert.
- Humboldt, Arthur E., Milwaukee, Wis. Flexible tool for the application of emergency tire chains. 2,460,010, Jan. 25.
- Humburger, Ernst L.: *See*—
Robinson, Ralph S., and Humburger.
- Hume, Horace D., Mendota, Ill. Mounting device for draper rollers. 2,480,294, Aug. 30.
- Hume, Kenneth B., Kew, Melbourne, Victoria, Australia. Apparatus for cutting curved plates used in spherical tanks. 2,474,149, June 21.
- Humensky, John J., Cleveland, Ohio. Portable barbecue equipment. 2,477,183, July 26.
- Humeston, Frederick L., Orange, assignor of one-half to The High Standard Manufacturing Corporation, Hamden, Conn., and one-half to Sears, Roebuck and Co., Chicago, Ill. Slide-action firearm. 2,476,196, July 12.
- Humig, Paul F., Honolulu, Territory of Hawaii. Spring suspension system and unit for vehicles. 2,476,664, July 19.
- Humlegard, Karl G., Washington, D. C. Plumb line holder. 2,475,745, July 12.
- Hummel and Downing Company, assignee: *See*—
Edtmiller, Anthony G.
- Hummel, Frederick E., Chicago, Ill. Auxiliary handle. 2,457,898, Jan. 4.
- Hummel, Frederick E., Chicago, Ill. Automatic timing device. 2,477,805, Aug. 2.
- Hummel, Louis A., assignor to The United States Time Corporation, Waterbury, Conn. Mechanical movement. 2,467,936, Apr. 19.
- Hummel, Robert S., Washington, D. C. Collapsible book-rest. 2,490,356, Dec. 6.
- Hummer, Ralph G., assignor to Defiance Machine Works, Inc., Defiance, Ohio. Cutter tool vibration control. 2,458,995, Jan. 11.
- Humpage, Harold A., Hartford, Conn., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Circuit breaker. 2,459,427, Jan. 18.

- Humphlett, Wilma D., Agawam, assignor to Malone Knitting Company, Springfield, Mass. Children's undergarment. 2,484,710, Oct. 11.
- Humphner, Ferdinand W., River Forest, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Remoistening adhesive composition. 2,468,443, Apr. 26.
- Humphrey, Albert F., Somerville, Mass. Sand spreading apparatus. 2,487,552, Nov. 8.
- Humphrey, Carl, assignee: *See*—Daellenbach, Raymond E.
- Humphrey, George N., Arlington, Mass. Shoulder rest for musical instruments. 2,483,052, Sept. 27.
- Humphrey, Harvey J., Cleveland, Ohio. Permeable break-water. 2,474,786, June 28.
- Humphrey, James B., assignee: *See*—Crot, André.
- Humphrey, Neva H., Olathe, Colo. Saddle blanket for horses. 2,461,899, Feb. 15.
- Humphrey, Paul E., San Diego, Calif., assignor to the United States of America as represented by the Secretary of War. Limit stop mechanism for power-operated gun mounts. 2,483,385, Sept. 27.
- Humphreys & Glasgow Limited, assignee: *See*—MacGregor, Frank A.
- Humphreys, Velma L., Portland, Oreg. Protective device for casters. 2,471,958, May 31.
- Humrichouse, Davis B.: *See*—Humrichouse, Walter E. and D. B.
- Humrichouse, Walter E. and D. B., assignors of twenty-two and one-half per cent to W. H. Smith, Sr., and twenty-two and one-half per cent to G. W. Abell, Baltimore, Md. Spark plug. 2,470,821, May 24.
- Hunau, Lillian, Brooklyn, N. Y., now by marriage L. H. Sayers. Woman's bust shaping and supporting garment. 2,478,103, Aug. 2.
- Hunau, Lillian, Brooklyn, N. Y., now by change of name L. H. Sayers. Brassiere. 2,486,414, Nov. 1.
- Hungate, William, Houston, Tex. Forming interlocking slots in fasteners. 2,477,607, Aug. 2.
- Hungate, William, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Snap action valve mechanism. 2,488,125, Nov. 15.
- Hungate, William, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Snap acting mechanism. 2,488,596, Nov. 22.
- Hungerford, Churchill, Jr., Wenonah, and J. G. Reutter, assignors to Hungerford & Terry, Inc., Clayton, N. J. Base exchange water treating equipment. 2,460,011, Jan. 25.
- Hungerford, Daniel C., Madison, assignor to Hungerford Plastics Corporation, New Providence, N. J. Mending device. 2,472,016, May 31.
- Hungerford Plastics Corporation, assignee: *See*—Hungerford, Daniel C.
- Sandler, Jack.
- Hungerford & Terry, Inc., assignee: *See*—Hungerford, Churchill, Jr., and Reutter.
- Hunn, James V.: *See*—Arvin, James A., and Hunn.
- Hunnicut, Caddis J., Kansas City, Mo., assignor to G & H Rail Controls, Inc. Rail anticreep device. 2,479,932, Aug. 23.
- Hunnicut, Joseph E., West Hartford, Conn. Conveyor chain. 2,463,970, Mar. 8.
- Hunsicker, Clyde L., San Francisco, Calif. Electrical breaker. 2,464,041, Mar. 8.
- Hunsicker, Harold Y., Cleveland, and L. W. Kempf, Shaker Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Bearing alloy. 2,473,059, June 14.
- Hunsicker, Harold Y., Cleveland, and L. W. Kempf, Shaker Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Bearing alloy. 2,473,060, June 14.
- Hunsworth, Melvin T., Collegeville, Pa., assignor to Container Corporation of America, Chicago, Ill. Container. 2,488,194, Nov. 15.
- Hunt, A. H., Limited, assignee: *See*—Grouse, Richard A., and Bettridge.
- Hunt, Elijah E., Albuquerque, N. Mex. Rotary speed grinder. 2,477,484, July 26.
- Hunt, Elijah H.: *See*—Ahiburg, Frank, and Hunt.
- Hunt, Ernest R.: *See*—Rhodes, Thornton R., and Hunt.
- Hunt, Ernest W., Crows Nest, near Sydney, New South Wales, assignor of one-half to H. P. J. Woodward, Waverton, near Sydney, Australia. Angular and linear calculating instrument. 2,471,327, May 24.
- Hunt, Everett M., Portsmouth, N. H. Apparatus for bending a curled metal edge around a reinforcing wire. 2,480,860, Sept. 6.
- Hunt, Everett M., Portsmouth, N. H. Pivoted bender with pivoted sliding side shapers. 2,487,810, Nov. 15.
- Hunt, Gilbert J., Richmond, Va. Golf club supporting device. 2,465,096, Mar. 22.
- Hunt, Hilland G., Natick, Mass. Pneumatically driven power unit. 2,471,109, May 24.
- Hunt, Joseph A.: *See*—Swain, Leonard W., and Hunt.
- Hunt, Madison, Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of terpene alcohols. 2,460,291, Feb. 1.
- Hunt, Madison, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizations employing azo compounds as catalysts. 2,471,959, May 31.
- Hunt, Madison, Claymont, Del., V. Weinmayr, Pitman, N. J., and M. F. Sartori, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl substituted aromatic sulfonates. 2,467,130, Apr. 12.
- Hunt, Madison, Claymont, Del., V. Weinmayr, Pitman, N. J., and M. F. Sartori, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl substituted aromatic sulfonates. 2,467,131, Apr. 12.
- Hunt, Madison, Claymont, Del., V. Weinmayr, Pitman, N. J., and M. F. Sartori, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl substituted aromatic sulfonates. 2,467,132, Apr. 12.
- Hunt-Miller Co., assignee: *See*—Hayward, John T.
- Hunt, Nelson V., Colorado Springs, Colo. Paper and trash pickup tongs. 2,473,146, June 14.
- Hunt, Orville A.: *See*—Harrison, Elmer P., and Hunt.
- Hunt, Robert W. G., Harrow, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photometer lamp circuits providing a standard voltage. 2,478,399, Aug. 9.
- Hunt, Rodney, Machine Company, assignee: *See*—Hatch, Robert L.
- Hunt, Walter L., assignee to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Controlling system for condition regulators. 2,471,872, May 31.
- Hunt, Walter L., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Timer. 2,471,873, May 31.
- Hunt, Stanley H.: *See*—Doud, Fred L., and Hunt.
- Hunt, Stanley P., assignor to Institute of Textile Technology, Charlottesville, Va. Apparatus for recording intermittent operation of a machine. 2,491,110, Dec. 13.
- Hunt, William H.: *See*—Savrd, Charles M., and Hunt.
- Smith, George S., and Hunt.
- Hunt, William H., National City, and G. L. Ritchie, Chula Vista, Calif. Feed control for stone cutting machines. 2,491,047, Dec. 13.
- Huntar, Felix, Livingston, N. J., assignor to American Can Company, New York, N. Y. Can and cover feeding mechanism. 2,484,830, Oct. 18.
- Huntar, Felix, Livingston, N. J., assignor to American Can Company, New York, N. Y. Blank feeding mechanism. 2,486,415, Nov. 1.
- Hunter, Alfred W.: *See*—Hall, James W., and Hunter.
- Hunter, Byron A.: *See*—Howland, Louis H., and Hunter.
- Hunter, Byron A., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Antimonyl derivatives of polyhydric phenols as antioxidants. 2,488,975, Nov. 22.
- Hunter, Cora H., Lewiston, Idaho. Bedpan pad. 2,481,427, Sept. 6.
- Hunter Douglas Corporation, assignee: *See*—Hunter, Joseph L.
- Hunter, Edward A.: *See*—Schexnailder, Robert E., Jr., and Hunter.
- Hunter, Edward A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of silica containing catalysts. 2,472,830, June 14.
- Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of a silica-metal oxide hydrogel catalyst. 2,472,831, June 14.
- Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of a silica-group IV metal oxide catalyst. 2,472,832, June 14.
- Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of a silica-group VIII metal oxide catalyst. 2,472,833, June 14.
- Hunter, Felix L., Des Moines, Iowa. Bed carriage. 2,480,025, Aug. 23.
- Hunter, Florence H., administratrix: *See*—Lobstein, Robert.
- Hunter, Frank H.: *See*—Hodgkins, Raymond L., and Hunter.
- Hunter, George T. R., St. Louis, Mo. Railroad car truck bolster suspension. 2,461,332, Feb. 8.
- Hunter, Hazen F., Washingtonville, Ohio. Press. 2,470,561, May 17.
- Hunter, James B., Upper Darby, assignor to The Atlantic Refining Company, Philadelphia, Pa. Heat exchange method for the drop-wise condensation of vapors. 2,469,729, May 10.
- Hunter, James B., Upper Darby, assignor to The Atlantic Refining Company, Philadelphia, Pa. Catalyst preparation. 2,477,373, July 26.
- Hunter, James F., New Rochelle, N. Y. Liquid separation method and apparatus. 2,468,069, Apr. 26.

- Hunter, James F., New Rochelle, N. Y. Liquid separation apparatus. 2,468,070, Apr. 26.
- Hunter, James H., and B. E. Leach, assignors to The Upjohn Company, Kalamazoo, Mich. Ring cleavage of 4-carboxythiazolidine compounds. 2,480,079, Aug. 23.
- Hunter, James H., and W. B. Reid, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. N-(pyrrolidyl-alkyl)-phenothiazines. 2,483,998, Oct. 4.
- Hunter, James H., and W. B. Reid, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. N-(beta-pyrrolidinoethyl)-phenothiazine. 2,483,999, Oct. 4.
- Hunter, James P., Stratford, Conn., assignor to General Electric Company. Fluorescent lamp starter. 2,492,750, Dec. 27.
- Hunter, Joseph L., assignor to Hunter Douglas Corporation, Riverside, Calif. Endless cord for Venetian blinds. 2,466,951, Apr. 12.
- Hunter, Joseph L., assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Tape fasteners for Venetian blind. 2,491,181, Dec. 13.
- Hunter, Louis R., assignee: *See*—
Mace, Harry W.
- Hunter Manufacturing Company, assignee: *See*—
Renton, Henry N.
- Hunter, Melvin J., and W. C. Bauman, assignors to The Dow Chemical Company, Midland, Mich. Carboxylated resins and making same. 2,471,818, May 31.
- Hunter, Ralph M.: *See*—
Blue, Robert D., Hunter, and Neipert.
- Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric motor control. 2,492,639, Dec. 27.
- Hunter, Richard B., and E. Pell, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for alternating current motors. 2,459,320, Jan. 18.
- Hunter, Richard S., Franklin Park, Va., assignor to Henry A. Gardner Laboratory, Inc., Bethesda, Md. Photoelectric glossmeter. 2,471,750, May 31.
- Hunter, Robert L., and R. D. Cramer, Cumberland, Md., assignors to Celanese Corporation of America. Patterned textile material. 2,461,603, Feb. 15.
- Hunter, Roscoe C., U. S. Navy, Holden, Utah. Cutting torch. 2,475,595, July 12.
- Hunter, Samuel R., assignee: *See*—
Lobstein, Robert.
- Hunter, Theodore A., Iowa City, Iowa, assignor to Collins Radio Company. Tuning apparatus with straight-line characteristic curve. 2,468,071, Apr. 26.
- Hunter, W. H., Engineering Company, assignee: *See*—
Hunter, William H.
- Hunter, William: *See*—
Smith, Gordon E., and Hunter.
- Hunter, William H., Aurora, Mo., assignor to W. H. Hunter Engineering Company, Pontiac, Mich. Expansile ring and groove therefor. 2,475,705, July 12.
- Hunter, William W., and I. McNab, Esquimalt, British Columbia, Canada. Stirring device. 2,469,649, May 10.
- Hunter, Willson H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heating and pressing apparatus. 2,489,643, Nov. 29.
- Hunter, Willson H., Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Landing gear. 2,460,387, Feb. 1.
- Huntington, Daniel J. W., assignee: *See*—
Fewins, Frank.
- Huntington Laboratories, Inc., assignee: *See*—
Brenn, Jacob L.
- Huntley Manufacturing Co., assignee: *See*—
Paul, Frederick J.
- Huntley, Walter P., Arlington, Va., assignor to The Decca Record Company, Limited, London, England. Caliper for chart reading. 2,488,085, Nov. 15.
- Huntley, William F.: *See*—
Klemperer, Hans, and Huntley.
- Huntsman, Francis D., Salt Lake City, Utah. Window structure of protective devices. 2,461,548, Feb. 15.
- Huntsman, Francis D., Salt Lake City, Utah. Protective device. 2,461,604, Feb. 15.
- Huntsman, Francis D., Salt Lake City, Utah. Headgear. 2,461,605, Feb. 15.
- Huntzicker, Harry N., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Making a plastic hydrated lime. 2,489,033, Nov. 22.
- Hunz, Alphonse W., East Chicago, Ind. Rolled tooth ratchet bar. 2,463,771, Mar. 8.
- Hunz, Alphonse W., East Chicago, Ind. Lifting jack. 2,463,772, Mar. 8.
- Hunz, Alphonse W., East Chicago, Ind. Rolled tooth ratchet bar. 2,487,553, Nov. 8.
- Huppert, William, New York, N. Y. Electrical connector. 2,488,976, Nov. 22.
- Iurault, Jean L., assignor to Compagnie Generale d'Electricite, Paris, France. System of producing harmonics. 2,460,012, Jan. 25.
- Iurault, Jean L., assignor to Compagnie Generale d'Electricite, Paris, France. Multiple modulation carrier frequency telephone system. 2,468,555, Apr. 26.
- Iurault, Jean L., assignor to Compagnie General d'Electricite, Paris, France. Regenerative repeater. 2,468,556, Apr. 26.
- Hurd, Charles D.: *See*—
Boanner, William A., and Hurd.
- Hurd, Charles D., Evanston, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Selective hydrogenation of aryl nitroolefins and products thereof. 2,483,201, Sept. 27.
- Hurd Corporation, The, assignee: *See*—
Steffens, John A.
- Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of hydrocarbon substituted halogenosilanes. 2,466,429, Apr. 5.
- Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of boron compounds. 2,469,879, May 10.
- Hurd, Frank E., New York, N. Y. Apparatus for the desiccation of organic substances. 2,471,035, May 24.
- Hurd, Norris T., Youngstown, Ohio. Swivel draft bar for tractors and the like. 2,464,315, Mar. 15.
- Hurdis, Everett C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. 2,467,033, Apr. 12.
- Hurdis, Everett C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. 2,480,928, Sept. 6.
- Hurlbut, Gordon K.: *See*—
Ward, Vincent S., and Hurlbut.
- Hurley, Roy T., Westport, Conn., assignor to Bendix Aviation Corporation, South Bend, Ind. Mechanical time fuse. 2,477,540, July 26.
- Hurley, Samuel C., Jr., assignee: *See*—
Frommer, Joseph C.
- Hurley, Samuel C., Jr., deceased; W. L. Hurley, executrix, assignor to W. L. Hurley, Danville, Ill. Electronic circuit. 2,460,455, Feb. 1.
- Hurley, Samuel C., Jr., deceased; W. L. Hurley, executrix, assignor to W. L. Hurley, Danville, Ill. Electronic circuit. 2,460,456, Feb. 1.
- Hurley, Walter G., Gladewater, assignor of one-third to H. Hamilton, Wharton, Tex. Stage lift pump. 2,474,423, June 28.
- Hurley, Walter S., and E. M. Jones, San Antonio, Tex. Agitator for electric refrigerators. 2,468,444, Apr. 26.
- Hurley, Wilmina L., executrix, assignee: *See*—
Frommer, Joseph C.
- Hurley, Samuel C., Jr.
- Hürlimann, Max, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Ignition system for mercury arc mutators. 2,477,747, Aug. 2.
- Hurni, George K.: *See*—
Noller, Harry F., Hurnai, and Stone.
- Hurst, Francis M., Sumter, S. C. Child's crib having a movable partition. 2,471,691, May 31.
- Hurst, Ira N.: *See*—
Hansen, William L., and Hurst.
- Hurst, Kenneth, Altamont, Tenn. Absorbent pad diaper. 2,468,445, Apr. 26.
- Hurst, Peter F., Horton, assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Detachable hose fitting. 2,462,323, Feb. 22.
- Hurst, Peter F., assignor to Aeroquip Corporation, Jackson, Mich. Fire and heat insulating protective sheath or sleeve for flexible pipes and the like. 2,487,554, Nov. 8.
- Hursh, Robert W.: *See*—
Hull, Raymond J., and Hursh.
- Hursh, Robert W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vaned tire. 2,457,899, Jan. 4.
- Hurst, William M., Oak Ridge, Tenn., assignor to Hazeltine Research, Inc., Chicago, Ill. Electrical contact member. 2,486,285, Oct. 25.
- Hurvitz, Hyman, Washington, D. C. Pressure responsive electrical resistor. 2,472,214, June 7.
- Hurvitz, Hyman, Washington, D. C. Indicator. 2,474,628, June 28.
- Hurwitz, Florence S., New York, N. Y. Shoe tree. 2,475,390, July 5.
- Husek, Helen P., Allston, assignor to Polaroid Corporation, Cambridge, Mass. Production of light-polarizing images. 2,458,168, Jan. 4.
- Huser, Richard: *See*—
Hertrich, Joseph, and Huser.
- Hush, James M.: *See*—
Hansen, William L., and Hush.
- Hush, James M., Dayton, Ohio, assignor to Hansen Manufacturing Company, Princeton, Ind. Hysteresis motor. 2,468,295, Apr. 26.
- Hush, James M., Dayton, Ohio, assignor to Hansen Manufacturing Company, Princeton, Ind. Synchronous electric motor. 2,483,543, Oct. 4.
- Huskinson, Joseph A.: *See*—
Perry, Frederick S., and Huskinson.
- Hussey, Luther W., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for sampling balanced signals. 2,458,599, Jan. 11.
- Hussey, Mary C., Mount Vernon, N. Y. Candle. 2,461,822, Feb. 15.
- Hussey, Norman R.: *See*—
Dunbar, James Y., Gilpin, and Hussey.

- Hussman Refrigerator Co., assignee: *See*—
Kutishauser, Donald E.
- Hussong, Ralph V.: *See*—
Horneman, Herman C., Hussong, Quan, and Hammer.
- Husted, Harry A., St. Clair, Mich., assignor, by mesne assignments, to Rogers Imports Inc., New York, N. Y. Adjustable holder for cigarette packs. 2,475,896, July 12.
- Huston, Claude B., Schenectady, N. Y., assignor to General Electric Company. Speed control system for dynamoelectric machines. 2,468,557, Apr. 26.
- Huston, Milton D.: *See*—
Hayter, Bruce, and Huston.
- Huston, Milton D., Chicago, Ill., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Quadrant pilot for pot type oil burners. 2,460,013, Jan. 25.
- Huston, Milton D., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Pot type oil burner and pilot means therefor. 2,474,530, June 28.
- Huston, Milton D., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Geared rheostat control for oil burners. 2,476,870, July 19.
- Huston, Milton D., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Pot type burner with covered pilot. 2,476,871, July 19.
- Huston, Milton D., assignor to Breese Burners, Inc., Santa Fe, N. Mex. Electric motor. 2,484,166, Oct. 11.
- Huston, Milton D., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Liquid fuel burner and pilot structure. 2,460,014, Jan. 25.
- Huston, William M., Lima, Ohio. Rotating base for load handling machines. 2,458,271, Jan. 4.
- Huston, William M., Lima, Ohio. Load handling equipment. 2,479,838, Aug. 23.
- Huston, William M., Lima, Ohio. Power shovel. 2,490,132, Dec. 6.
- Hutchason, Arthur R., Los Angeles, Calif. Dispensing container for collapsible tube with axially movable, rotatively actuated follower-type extruder. 2,477,875, Aug. 2.
- Hutcheon, William M., Toronto, Ontario, Canada. Mercury switch. 2,486,785, Nov. 1.
- Hutchings, Brian L., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Purifying pteroylglutamic acid and related compounds. 2,470,490, May 17.
- Hutchings, Brian L., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Purification of pteroylglutamic acid. 2,470,491, May 17.
- Hutchings, Donald E., Toronto, Ontario, Canada. Adjusting clotheslines. 2,460,088, Jan. 25.
- Hutchings, Herschel, Lubbock, Tex. Adjustable wheel mount. 2,467,482, Apr. 19.
- Hutchings, Herschel, Lubbock, Tex. Agricultural tractor. 2,467,483, Apr. 19.
- Hutchings, Herschel, Lubbock, Tex. Agricultural tractor. 2,477,252, July 26.
- Hutchings, John H., assignor to Continental Electric Company, Geneva, Ill. Cathode structure for electric discharge devices. 2,472,077, June 7.
- Hutchins, Hugh A., Arcadia, Calif. Fork structure for motorcycles or the like. 2,477,748, Aug. 2.
- Hutchins, Kenneth W.: *See*—
Queen, Roy L., and Hutchins.
- Hutchins, Ralph P., Piqua, and W. H. Williamson, Indian Hill, assignors to The Procter & Gamble Company, Ivorydale, Ohio. Production of cottonseed meal. 2,484,831, Oct. 18.
- Hutchinson, Alton E., Milwaukee, Wis., and G. G. Thomas, Detroit, Mich., assignors, by mesne assignments, to Dowl Products, Inc., Milwaukee, Wis. Dispensing cigarette lighter. 2,472,835, June 14.
- Hutchinson, Franklin, New Haven, Conn., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Contamination resisting hat for magnetrons. 2,463,388, Mar. 1.
- Hutchinson, Franklin B., and C. W. Miller, Rochester, and R. D. Thompson, East Rochester, assignors to Taylor Instrument Companies, Rochester, N. Y. Method of and apparatus for indicating cross sectional area of a bore of a capillary tube. 2,481,310, Sept. 6.
- Hutchinson, Gilbert E.: *See*—
Finlay, Walter L., and Hutchinson.
- Hutchinson, Gilbert E., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Controlling shot patterns. 2,484,998, Oct. 18.
- Hutchinson, Paul R., Rochester, N. Y. Sharpening lawn mower blades. 2,469,730, May 10.
- Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,482,485, Sept. 20.
- Hutchinson, William C.: *See*—
Dobson, James, Hutchinson, and Kermack.
Sweeney, Isaac, and Hutchinson.
- Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling fluids and using same. 2,481,513, Sept. 13.
- Hutchinson, Willis S., St. Paul, Minn., assignor to Mathieson Chemical Corporation. Simultaneous production of chlorine dioxide and nitrogen trichloride. 2,462,194, Feb. 22.
- Hutchinson, Willis S., St. Paul, Minn., assignor to Mathieson Chemical Corporation. Preparing chlorine dioxide. 2,475,285, July 5.
- Hutchinson, Willis S., St. Paul, Minn., assignor to Mathieson Chemical Corporation. Preparing chlorine dioxide. 2,475,286, July 5.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Shock testing. 2,458,382, Jan. 4.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 2,484,510, Oct. 11.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Pulldown mechanism for motion-picture projectors. 2,461,159, Feb. 8.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector film take-up and rewind mechanism. 2,464,135, Mar. 8.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Construction for projection lamps. 2,466,430, Apr. 5.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Mirror mount for bent light beam optical systems. 2,487,875, Nov. 15.
- Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic type shutter with built-in synchronizer. 2,490,755, Dec. 6.
- Hutchison, Robert R., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Container for ammunition or other irregularly shaped articles. 2,486,949, Nov. 1.
- Hutmacher, John J., Columbus, Ohio, and L. G. Raiche, Williamsville, N. Y., assignors to Curtiss-Wright Corporation. Hoisting sling arrangement. 2,490,521, Dec. 6.
- Hutsell, Thomas A., Renton, Wash. Collapsible golf bag cart. 2,471,751, May 31.
- Hutson, Canfield: *See*—
Bludworth, Joseph E., and Hutson.
- Hutt, Albert E., Stamford, Conn., assignor, by mesne assignments, to Schick Incorporated. Sheet metal piercing. 2,467,034, Apr. 12.
- Hutt, Albert E., Stamford, Conn., assignor, by mesne assignments, to Schick Incorporated. Shaver holder. 2,474,899, July 5.
- Hutt, Herman H., Brooklyn, N. Y. Three-dimensional display device. 2,485,830, Oct. 25.
- Hutt, Philip, Milford, Conn., assignor to General Electric Company. Push-button switch. 2,473,252, June 14.
- Hutt, Stanley, Washington, D. C., and R. H. Symonds, Arlington, Va. Vanity case and atomizer. 2,469,267, May 3.
- Huttemeyer, Herman F., assignor to American Optical Company, Southbridge, Mass. Case for ophthalmic mountings. 2,478,269, Aug. 9.
- Hutten, Herman, Easton, Pa. Sample cutter for textile piece goods. 2,483,493, Oct. 4.
- Hutter, Frank E., and A. Quirin, New York, N. Y. Cigarette lighter. 2,485,734, Oct. 25.
- Hutter, William H., Chicago, Ill. Phonograph needle. 2,473,374, June 14.
- Hutter, William H., Chicago, Ill. Phonograph pickup having plastic torsion arm. 2,476,414, July 19.
- Hutton, Archie M. and M. P., Edwall, Wash. Resiliently mounted draft-rigging. 2,484,889, Oct. 18.
- Hutton, Malcolm P.: *See*—
Hutton, Archie M. and M. P.
- Hutton, Percy D., Buffalo, N. Y. Fuel mixer. 2,488,914, Nov. 22.
- Huxley, Edmund C.: *See*—
Heath, Robert L., and Huxley.
- Huxley, Thomas C., III, Riverside, Ill. Artificial respirator. 2,466,108, Apr. 5.
- Huxtable, Clyde K., Evanston, and J. A. Rankin, Park Ridge, assignors to Belmont Radio Corporation, Chicago, Ill. Frequency discriminator. 2,467,035, Apr. 12.
- Huxtable, Melvin J., assignee: *See*—
Ferree, Leon J.
- Huyck, F. C., & Sons, assignee: *See*—
Skeer, John D., Russell, and Wilson.
- Huye, Charlotte, legatee: *See*—
Huye, Joseph G.
- Huye, Joseph G., deceased; C. and M. Huye, legatees by judgment of possession, assignors to Huye Space Saving Box System, Inc., New Orleans, La. Hat packing stay. 2,484,167, Oct. 11.
- Huye, Merle, legatee: *See*—
Huye, Joseph G.
- Huye Space Saving Box System, Inc., assignee: *See*—
James, Louise.
Huye, Joseph G.
- Huyser, Hendrik W.: *See*—
Overhoff, Johan, and Huyser.
- Huzenlaub, Erich G., Brentford, England, assignor to Mars and Huzenlaub, Chicago, Ill. Enriching the endosperm of cereal grains with natural vitamins. 2,472,426, June 7.
- Hvam, Hjalmar, Portland, Ore. Ski binding. 2,468,879, May 3.
- Hyatt, Howard V., Detroit, Mich. Carrier attachment for automobiles. 2,464,979, Mar. 22.
- Hybbert, John E., Dunnell, Minn. Unloading mechanism for trailer wagons. 2,478,583, Aug. 9.

- Hybler, Břetislav, Hubalov, Czechoslovakia. Electric headlighting for vehicles. 2,472,078, June 7.
- Hyde, George J.: *See*—
Sampson, Frederick W., and Hyde.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and making them. 2,458,944, Jan. 11.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-substituted siloxane polymers. 2,460,457, Feb. 1.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxane polymers and preparing them. 2,462,267, Feb. 22.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Making methyl siloxanes. 2,462,640, Feb. 22.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Increasing the viscosity of liquid polymeric dimethyl silicone. 2,467,976, Apr. 19.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organosiloxanes and making them. 2,470,562, May 17.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Production of alkali-metal salts of triorganosilanol. 2,472,799, June 14.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo substituted silicon polymers and making them. 2,480,822, Sept. 6.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes. 2,486,162, Oct. 25.
- Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Polymerization of siloxanes. 2,490,357, Dec. 6.
- Hyde, James F., and W. H. Daudt, Corning, N. Y., assignors to Dow Corning Corporation, Midland, Mich. Preparation of thermoplastic polysiloxanes. 2,482,276, Sept. 20.
- Hyde, James F., and W. H. Daudt, assignors to Corning Glass Works, Corning, N. Y. Production of siloxanes. 2,489,138, Nov. 22.
- Hyde, James F., and W. H. Daudt, assignors to Corning Glass Works, Corning, N. Y. Production of disiloxanes. 2,489,139, Nov. 22.
- Hyde, Juanita M., Tampa, Fla. Combination sill and air duct. 2,489,415, Nov. 29.
- Hyde, Lawrence K., Washington, D. C., assignor to The Baldwin Locomotive Works. Rate of movement control apparatus. 2,474,424, June 28.
- Hyde, Lawrence K., Washington, D. C., assignor to The Baldwin Locomotive Works. Defectometer. 2,485,735, Oct. 25.
- Hydraulic Brake Company, assignee: *See*—
La Brie, Ludwig E.
- Hydraulic Dredging Company, assignee: *See*—
Cushing, Paul J., and Enright.
- Hydraulic Engineering Co. Inc., assignee: *See*—
Carleton, Emile J.
- Hydraulic Equipment Company, assignee: *See*—
Kirkham, Hall.
Stephens, William T.
- Hydro-Blast Corporation, assignee: *See*—
Luce, Roy L.
- Hydro-Blast Corporation, The, assignee: *See*—
Luce, Roy L., and Breejen.
- Hydrocarbon Research, Inc., assignee: *See*—
Cozzo, Giuseppe.
Jenny, Frank J., and Riblett.
Keith, Percival C.
Layng, Edwin T.
Riblett, Earl W.
- Hydroequipments Limited, assignee: *See*—
Dickinson, Richard H.
- Hydropress, Incorporated, assignee: *See*—
Katz, Francis J.
Kent, Francis J.
- Hygrade Industries, Inc., assignee: *See*—
Wolanske, Raymond.
- Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Grain drill feed mechanism. 2,457,900, Jan. 4.
- Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Field cultivator. 2,462,641, Feb. 22.
- Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Soil pulverizer. 2,470,619, May 17.
- Hyle, Jacob A.: *See*—
Wickersham, Charles L., and Hyle.
- Hyler, John H., North Pekin, Ill., assignor to R. G. Le Tournau, Inc., Stockton, Calif. Double universal connection for vehicle coupling and steering devices. 2,473,375, June 14.
- Hyler, Lolell L., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Universal hitch. 2,458,781, Jan. 11.
- Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Corn combine with sheller. 2,484,999, Oct. 18.
- Hyman, Benjamin M., and E. K. Karlsson, Moline, Ill., assignors to International Harvester Company. Tractor-mounted corn picker. 2,458,782, Jan. 11.
- Hyman, Henry, assignee: *See*—
Grimsley, Leopold C.
- Hyman, Phillip, assignee: *See*—
Girodat, Edward P.
- Hyman, Sam M., Manitowoc, Wis. Button protector pad for drying machines. 2,480,929, Sept. 6.
- Hyman, Sidney, New York, N. Y. Adjustable belt. 2,465,536, Mar. 29.
- Hymatic Engineering Company Limited, The, assignee: *See*—
Swain, Leonard W., and Hunt.
- Hynes, Dibrell P., and H. H. Moss, assignors to Chicago Forging and Manufacturing Company, Chicago, Ill. Pressure fitting for tube joints. 2,475,026, July 5.
- Hynes, Lee P., Haddonfield, N. J. Electric fluid heater. 2,487,710, Nov. 8.
- Hynson Westcott & Dunning, Incorporated, assignee: *See*—
Brewer, John H.
- Hysler, John F., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Variable voltage transformer. 2,368,446, Apr. 26.
- Hyster Company, assignee: *See*—
Johnson, George V.
- Hysmith, Herbert, Riverside, Calif. Shredding machine with reciprocating cutter plate and adjustable feed channel having resilient holding means. 2,480,736, Aug. 30.
- I-T-E Circuit Breaker Company, assignee: *See*—
Bohn, Donald I.
Caswell, Arthur S.
Deans, William.
Graves, Herbert C., Jr.
Jensen, Otto.
Kidley, Cornelius J.
Scott, William M., Jr.
Stratton, Robert L.
Thumim, Carl.
Wood, Joseph D.
- I-T-E Circuit Breaker Corporation, assignee: *See*—
Jensen, Otto, and Graves.
Thumim, Carl.
- Iafra, Antonio, Detroit, Mich. Nail extractor for pneumatic tires. 2,484,948, Oct. 18.
- Iamarino, Helen M., administratrix: *See*—
Iamarino, Joseph M. and H. M.
- Iamarino, Joseph M., deceased, Buffalo, by H. M. Iamarino, administratrix, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Nondusting water-soluble organic dyestuff and making same. 2,486,562, Nov. 1.
- I'Anson, Charles F., Salem, Ill. Forced draft parachute equipped passenger escape for airplanes. 2,479,746, Aug. 23.
- Iavarone, Vincent, New York, N. Y. Retaining means for toolheads. 2,483,906, Oct. 4.
- Iavelli, Teno: *See*—
Szyrov, Augustin J., and Iavelli.
- Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Internal gear pump for transmission mainshafts. 2,475,242, July 5.
- Iavelli, Teno, Detroit, Mich., and V. E. Matulaitis, Rochester, N. Y., assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,490,592, Dec. 6.
- Ibisch, Franz O., U. S. Navy, Columbus, Wis. Actuating means for simulated radio compass on aviation trainers. 2,470,101, May 17.
- Ibold, Peter A.: *See*—
Corcoran, James L., Falls, and Ibold.
- Ice, Clark H.: *See*—
Hillyer, John C., and Ice.
- Ice Cream Vending Corporation of America, assignee: *See*—
Dodson, Harry C.
- Ickes, George: *See*—
Brown, Theophilus and Ickes.
- Ickis, Lynn S., East Cleveland, Ohio, assignor to General Electric Company. Focusing reflector-type electric discharge lamps. 2,459,532, Jan. 18.
- Idaho Sprocket and Machine Works, assignee: *See*—
Schrock, Daniel A.
- Ide, André, Edgem-Antwerp, Belgium. Two-stroke motor. 2,477,374, July 26.
- Ideal Industries, Inc., assignee: *See*—
Francis, Andrew J., Jr.
Schinske, William G.
- Ideal Novelty & Toy Co., assignee: *See*—
Baggett, Edmund W.
- Idelsohn, Richard J., Detroit, Mich.: R. Idelsohn, administratrix of said R. J. Idelsohn, deceased, assignor to R. Idelsohn. Garment hanger. 2,480,327, Aug. 30.
- Idelsohn, Rose, administratrix: *See*—
Idelsohn, Richard J.
- Idle, James G., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dish supporting rack structure. 2,469,966, May 10.
- Ifield, Richard J., assignor to Joseph Lucas Limited, Birmingham, England. Reciprocatory pump and the like. 2,473,336, June 14.
- Ifield, Richard J., assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel controlling means. 2,483,907, Oct. 4.
- Iftiger, William C., Sr., Santa Fe Springs, Calif. Coupling. 2,463,179, Mar. 1.
- Iftiger, William C., Sr., Santa Fe Springs, Calif. Coupling. 2,467,036, Apr. 12.

- Iacqua, Antonio F., and J. F. Occasione, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Making coated steel wire. 2,482,978, Sept. 27.
- Iles, Virgil L., Batavia, Ohio. Rolling contact bearing. 2,476,982, July 26.
- Ilex Optical Company, assignee: *See*—Schwarz, Alfred.
- Ilford Limited, assignee: *See*—Kendall, John D., and Doyle.
Kendall, John D., and Fry.
Kendall, John D., Suggate, and Wood.
Waller, Cecil, and Woosley.
- Illian, Douglas F., Chicago, Ill., assignor to Hotpoint Inc. Electric switch. 2,483,831, Oct. 4.
- Illinois Railway Equipment Company, assignee: *See*—Johnson, Malcolm S., and Oakley.
- Illinois Testing Laboratories, Inc., assignee: *See*—Breitenstein, Victor W.
- Illinois Tool Works, assignee: *See*—Baumle, Rudolf K. F.
Crowther, Edmond C.
Mittelmann, Eugene.
Poupitch, Ougljesa J.
Rees, Clarence A.
- Illinois Watch Case Co., assignee: *See*—Kuehn, John J.
Wewetzer, Albert.
- Ilmer, Louis, Cortland, N. Y. Grinder machine accessory. 2,488,866, Nov. 22.
- Ilmer, Louis, Cortland, N. Y. Combined wire and ribbon grinder. 2,492,221, Dec. 27.
- Ilmer, Louis, Cortland, N. Y., and V. R. Pallas, Randolph, Ohio. Reversible grinder machine for reelable strand stock. 2,483,283, Sept. 27.
- Ilische, Arthur, Rye, N. Y. Mass production machine for die-forming sheet metal blanks. 2,461,688, Feb. 15.
- Ilische, Arthur, Rye, N. Y. Gearing for driving a plurality of spindles. 2,470,985, May 24.
- Imagineering Corporation, assignee: *See*—Gilmore, Edward M., Jr.
Johns, Harold A.
Nyberg, Curt E.
- Imbert, Roger J., and M. H. L. Sédille, assignors to Societe Râteau (Société Anonyme) and Rene Anxionnaz, Paris, France. Aerodynamic propelling means operating through direct reaction jet and scavenging. 2,458,600, Jan. 11.
- Imbert, Roger J., and M. H. L. Sédille, assignors to Société Râteau (Société Anonyme) and R. Anxionnaz, Paris, France, jointly. Forward and reverse turbine operated by combustion products and air. 2,477,184, July 26.
- Imbresci, Santo, Chicago, Ill. Coke tree preventing guard for boilers and furnaces. 2,482,417, Sept. 20.
- Imbriani, Louis, assignor to F. Speier, doing business as Knitcraft Mills, Corona, N. Y. Air cleaner for flat knitting machines. 2,482,670, Sept. 20.
- Imes, Mary W., executrix: *See*—Imes, Harry B.
- Imes, Harry B., deceased, by M. W. Imes, executrix, Louisville, Ky. Trestle leg assembly. Re. 23,097, Apr. 12.
- Imhof, Herman A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Wire feeding mechanism. 2,480,138, Aug. 30.
- Imhof, Herman A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in manufacture of shoes. 2,489,416, Nov. 29.
- Imm, Lewis W., Glendale, assignor to Librascope, Incorporated, Burbank, Calif. Squaring mechanism. 2,485,200, Oct. 18.
- Immermann, Milton: *See*—Stenberg, Thornton R., King, and Immermann.
- Imobersteg, Werner: *See*—Keller, Hans, Blatter, and Imobersteg.
- Imperial Brass Manufacturing Company, The, assignee: *See*—Alvin, Walter C.
Dobrick, August C.
Franck, George E.
- Imperial Chemical Industries Limited, assignee: *See*—Arnold, Michael H. M., and Baxter.
Arnold, Michael H., Miller, and Perry.
Baddeley, George.
Bartlett, Ronald G., Moilliet, and Reynolds.
Basford, Frederick R., Curd, and Rose.
Basford, Frederick R., Curd, Rose, Openshaw, Hull, and Todd.
Bremner, John G. M., Reynolds, and Taylor.
Bridge, Walter, and Matchet.
Briggs, Arthur S., and Scharff.
Buckley, Gerard D., and Ray.
Caldwell, Walter A.
Caldwell, Walter A., and Winton.
Carter, Peter G.
Clark, William J.
Cook, James G., Dickson, Lowe, and Whinfield.
Crowther, Albert F., Curd, Lovell, Openshaw, and Todd.
Curd, Francis H. S., and Rose.
Curd, Francis H. S., Landquist, Raison, and Rose.
Curd, Francis H. S., Raison, and Rose.
Curd, Francis H. S., Richardson, and Rose.
- Imperial Chemical Industries Limited, assignee: *See*—Continued.
Davidson, Samuel H.
Dobson, James, Hutchison, and Kermack.
Dyson, Arthur F.
Fishburn, Arthur G., Hendry, and Francis.
Foster, Reginald T.
Gee, Kenneth W.
Haddock, Norman H., and Wood.
Haddock, Norman H., Jones, Parkinson, and Rowe.
Heath, Royden L., and Piggott.
Heslop, Robert N., Irving, and Livingston.
Heywood, Basil J.
Huggill, Henry P. W., and New.
Isaacs, E., and Gudgeon.
Johnson, Alan W.
Jones, David G.
Jones, David G., and Dean.
Jones, Elwyn, and Flanders.
Knight, Arthur H.
McLean, Andrew, and Marrian.
Midwinter, Ernest L., and Richards.
Patterson, Edward M.
Rubenstein, Leon, and Campbell.
Sarsfield, Norman F.
Schaife, Charles W., Smith, and Baldock.
Sexton, Wilfred A.
Smith, Arthur E. W., Scaife, and Baldock.
Smith, Richard J.
Stammers, Douglas W.
Tatum, William W.
Taylor, James, and Gurton.
Thomas, James E. L., and Traill.
Thomson, Robin H. K.
Tyre, Alexander T.
Waterfall, Frederick D.
Whetstone, John.
Whitworth, Edward, and Hornel.
Wilkinson, Donald G.
Wright, Harold R., and Taylor.
- Imperial Knife Company, Inc., assignee: *See*—Mirando, Michael A.
Vossler, Henry.
- Imperial Paper Box Corporation, assignee: *See*—Wisner, Isadore.
- Imperial Products, Inc., assignee: *See*—Petersen, Simon J.
- Imperial Typewriter Company Limited, The, assignee: *See*—Brumbill, Claude W.
- Improved Paper Machinery Corporation, assignee: *See*—Cook, Ernest P.
- Imre, John, Philadelphia, Pa. Multiple circuit control switch. 2,478,923, Aug. 16.
- Inchiostro, John, Normandy, Mo. Fishing plug. 2,476,415, July 19.
- Independent Eastern Torpedo Company, The, assignee: *See*—Kingston, Benson M., and McKinsey.
- Independent Lock Company, assignee: *See*—Erkila, Andrew.
Harvey, Henry S.
- Indian Motorcycle Company, assignee: *See*—Labine, Roland A.
- Indiana Steel Company, The, assignee: *See*—Howell, Hugh A.
- Indiana Steel Products Company, The, assignee: *See*—Howell, Hugh A.
- Indiana University Foundation, assignee: *See*—Campaigne, Ernest E., and Le Suer.
Kaslow, Christian E., and Bacon, Jr.
- Indium Corporation of America, The, assignee: *See*—Dyer, John R., Jr., and Rowan.
Ludwick, Maria T., and Murray.
Murray, William S.
- Indo-Burma Petroleum Company Limited, assignee: *See*—Brown, Norman F.
- Induction Heating Corp., assignee: *See*—Gagliardi, Nicholas G., Finger, and Stanton.
Molloy, Patrick F.
Stanton, Robert J.
- Induction Machining, Inc., assignee: *See*—Berliner, Martin.
- Industriaktiebolaget Luxor, assignee: *See*—Wennerbo, Erik.
- Industrial Electronics Corporation, assignee: *See*—Jacobsen, Irwin S.
- Industrial Metal Products Laboratory, assignee: *See*—Flaherty, Bartholomew R.
- Industrial Patent Corporation, assignee: *See*—Wales, Nathaniel B.
- Industrial Rayon Corporation, assignee: *See*—Bergmann, Richard F.
Grogan, Tom, and Mayner.
Kocsuta, Michael, and Mayner.
Mayner, Thomas S.
McLellan, Kenneth M.
Szabo, Edward J., and Christley.
- Industrial Sales Company, assignee: *See*—Wyatt, James P.
- Industrial Sound Systems, Inc., assignee: *See*—Gunnell, Robert W.

- Industrial Tape Corporation, assignee: *See*—
Holland, William E., Stanley, and Chesnut.
Pike, Charles O., and Morris.
Stanley, Alexander J., and Barnes.
Weldner, Charles L., and Eger.
- Industrie-en-Handelmaatschappij "De Vuurslag" C. V., assignee: *See*—
Neutelings, Theodore R., and Neutelings.
- Ines, Julian M., Norfolk, Conn. Suction brush for Venetian blinds. 2,487,444, Nov. 8.
- Infilco Incorporated, assignee: *See*—
Green, Walter H.
Green, Walter H., McBride, and Hertzling.
Hughes, Walter J.
Pew, Preston F.
- Ingalls, Anne, Chicago, Ill. Shoulder pad. 2,459,648, Jan. 18.
- Ingalls, Edgar J., Zachary, assignor of fifty per cent to F. G. Halphen, Jr., Baton Rouge, La. Centrifugal rotary lawn mower blade. 2,484,511, Oct. 11.
- Ingalls, John M.: *See*—
Miller, Carroll E., and Ingalls.
- Inge, Karl D., Roanoke, Va. Universal toolhead for lathes. 2,489,183, Nov. 22.
- Ingebretsen, Olaf M., Prospect Park, Pa. Tobacco pipe. 2,472,159, June 7.
- Ingels, James J., Chicago, Ill. Lock seam. 2,483,095, Sept. 27.
- Ingelström, Ernst B.: *See*—
Zandelin, Fritz G., and Ingelström.
- Ingemarson, Franc, assignor of one-third to O. L. Carter and one-third to A. Thompson, Tulsa, Okla. Pipe-bending machine. 2,481,514, Sept. 13.
- Ingersoll Limited, assignee: *See*—
Young, Leonard W.
- Ingersoll-Rand Company, assignee: *See*—
Anderson, James H.
Bancel, Paul A., Ditson, and Karr.
Hornschuch, Hanns.
Jimerson, Francis A.
Le Valley, John.
Loss, Isidor R.
McConaghy, James W.
Metzgar, Chester W.
Morrison, William A.
Naab, Julius.
Thomas, Floyd H.
Weaver, Samuel H.
- Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Chime construction for steel barrels. 2,481,015, Sept. 6.
- Ingham, Robert J., Jr., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Safety valve for cookers. 2,479,620, Aug. 23.
- Ingle, Henry W., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Gauge for internal surfaces of bottles and the like. 2,468,496, Apr. 26.
- Ingleton, James W., Astoria, Oreg. Slip fishline sinker. 2,482,343, Sept. 20.
- Ingmanson, John H., New Haven, assignor to The Whitney Blake Company, Hamden, Conn. Covering wire conductors. 2,471,752, May 31.
- Ingoldby, Maurice K., deceased, Tynemouth, England; by T. F. Clarke, Swanley, and P. W. Cole, Purley, executors, assignors to Vickers-Armstrongs Limited, London, England. Fire control apparatus for guns. 2,474,739, June 28.
- Ingraham, Dudley S., assignor to The E. Ingraham Company, Bristol, Conn. Timepiece regulator. 2,464,688, Mar. 15.
- Ingraham, E., Company, The, assignee: *See*—
Ingraham, Dudley S.
- Ingraham, Harold E., Wayne, Pa. Thiosulfate salts. 2,475,616, July 12.
- Ingraham, Joseph H., Easton, Md., and W. A. Williams, assignors to The American Pulley Company, Philadelphia, Pa. Drum agitator. 2,469,557, May 10.
- Ingraham, Joseph S.: *See*—
Kell, Harvard L., and Ingraham.
- Ingraham, Robert P., San Antonio, Tex. Magnetic nail holder. 2,491,860, Dec. 20.
- Ingram, Clyde W., Baxter Springs, Kans. Pipe cutting, crimping, and beading machine. 2,488,015, Nov. 15.
- Ingram, Maxwell: *See*—
Fouchaux, Julien E., and Ingram.
- Ingram, Orville, Washington, D. C. Drop end gondola car. 2,484,512, Oct. 11.
- Ingram-Richardson Mfg. Company, assignee: *See*—
Richardson, Ernest.
- Ingram, Sydney B., Fairlawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Feedback amplifier or oscillator. 2,458,000, Jan. 4.
- Ingres, Jeannot G., and D. T. Avers, Jr., Richmond, Va., assignors to Empire Electric Brake Company, Newark, N. J. Door locking system. 2,459,029, Jan. 11.
- Ingrum, Alton J., assignee: *See*—
Wolf, Allen C.
- Ingwer, Carl H., Elyria, Ohio. Rotary vane pump. 2,479,685, Aug. 23.
- Ingwer, Max, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Lock for sewing machine stitch regulators. 2,467,672, Apr. 19.
- Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Switch. 2,485,736, Oct. 25.
- Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Resettable overload circuit breaker. 2,492,382, Dec. 27.
- Injector Company Aktiebolag, assignee: *See*—
Johansson, Martin L.
- Inland Steel Company, assignee: *See*—
Braund, Robert W.
Thompson, Roy J.
- Inland Steel Container Co., assignee: *See*—
Rice, Norman D.
- Inland Wire Products Company, assignee: *See*—
Tubbs, Orville M.
- Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electric glow discharge lamp. 2,479,164, Aug. 16.
- Inman, Hollis C., Miami, Fla. Electric fluid heater. 2,462,746, Feb. 22.
- Inman, Lawrence S., Brownsville, Tex. Multiple purpose clip. 2,479,115, Aug. 16.
- Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Carton. 2,490,133, Dec. 6.
- Innacelli, Frank L., U. S. Army. Paper fastener. 2,468,072, Apr. 26.
- Innis Speiden and Company, assignee: *See*—
Bickerton, Jack M.
- Insinger, Thomas H., Jr., Pittsburgh, Pa., assignor to Koppers Company, Inc. Purification of carbazole. 2,464,811, Mar. 22.
- In Situ Gases Incorporated, assignee: *See*—
Greene, Frank C.
- Inskeep, Claude E., San Leandro, Calif. Ink ribbon carrier. 2,464,042, Mar. 8.
- Inskeep, Oliver W., Stockton, Calif., assignor to Harris Manufacturing Company. Wheel suspension. 2,465,098, Mar. 22.
- Insley Manufacturing Corporation, assignee: *See*—
Russell, Louis R.
- Insl-X Corporation, assignee: *See*—
Smith, Howard E.
Smith, Howard E., and Harden.
- Institute of Paper Chemistry, The: *See*—
Clark, James d'A., and Wells.
- Institute of Paper Chemistry, The, assignee: *See*—
Knight, George D., and Rowland.
Pearl, Irwin A., and Wise.
Wells, Sidney D.
- Institute of Textile Technology, assignee: *See*—
Hunt, Stanley P.
- Insulation Products Company, assignee: *See*—
Sloat, John E.
- Integrated Mica Corporation, assignee: *See*—
Heyman, Moses D.
- Interchemical Corporation, assignee: *See*—
Cassel, Norman S.
Engle, Loy S., and Fikar.
Fischer, Earl K.
Goepfert, Werner F.
Grupe, William F.
Hardy, Arthur C., and Dench.
Lee, Ernest D., and Engle.
Lee, Ernest D., and Schebauer, Jr., and Dunn.
Neuberg, Carl, and Lustig.
Radi, Lino J.
Rietz, Charles A.
Rietz, Charles A., and Lecture.
Scully, Sylvester A.
- Intercity Airline Company, assignee: *See*—
Szyner, Bernard.
- Inter-City Manufacturing Company, assignee: *See*—
Mora, Steve.
- Interior, the United States of America, as represented by the Secretary of the, assignee: *See*—
Vahrenkamp, George J.
- Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Buchan, Frederick E.
Heckman, William.
Roller, Paul S.
Landen, David.
Orchin, Milton.
Schlechten, Albert W., Kroll, and Yerkes.
Short, Allan M.
Storch, Henry H., and Hirst.
- International Alloys Limited, assignee: *See*—
Gross, Philipp.
- International Braid Corp., assignee: *See*—
Holm, Carl B.
- International Business Machines Corporation, assignee: *See*—
Benson, Alfred B.
Brand, Samuel, and Connolly.
Buhler, Eugen and Berry.
Coles, Roger E.
Cunningham, James M.
Daly, George F.
Daly, George, Phillips, and Malmros.
Dicke, Oscar H.
Dickinson, Arthur H.
Doty, Charles R.
Fitch, Clyde J., and Eichorn.
Ford, Eugene A.
Furman, Frank J.
Ghertman, Ionio.
Johnson, Reynold B.

International Business Machines Corporation, assignee:
See—Continued.

Johnson, Reynold B., and Hendrich.
Johnson, Reynolds.
Keen, Harold H.
Lake, Clair D., Durfee, and Dickinson.
Lake, Clair D., Piatt, Fiehl, and Pfaff.
Leathers, Ward.
Leathers, Ward, and Bruhl.
Leathers, Ward, and Di Monico.
Malmros, Gustav V. A., and Barber.
Mills, Albert W.
Mills, Albert W., and Furman.
Nichols, Harry J.
Page, Ralph E., and Beattie.
Page, Ralph E., Beattie, and Daly.
Palmer, Ralph L., and Phelps.
Paris, Robert E.
Petz, John L.
Rabenda, Edward J., and Furman.
Rast, Frederick Q.
Reppert, Richard V.
Sens-Olive, Marcel.
Shafer, Orville B.
Smathers, James F.
Tholstrup, Henry L.
Vines, William C.
Wagner, John L., and Lawhead.

International Carbonic Engineering Company, assignee:
See—

Jones, Charles L.

International Cellucotton Products Company, assignee:
See—

Deloye, James J.
Fourness, Charles A.
Gantner, Edward G.
Harwood, Kenneth J.
Ruth, Howard M.

Interlake Chemical Corporation of Delaware, assignee:
See—

Bircher, John R., Jr.

International Cigar Machinery Company, assignee: *See—*

Clausen, Sigurd.
Durning, James P.
Halstead, John F.
Sowa, Frank J., and Tone.
Wheeler, Henry H.

International Derrick & Equipment Company, assignee:
See—

Bloss, Richard R., and McLerran.

International Handkerchief Mfg., Co., The, assignee:
See—

Anderson, Gustave A.

International Harvester Company, assignee: *See—*

Aasland, John L.
Acton, Russel D.
Avila, Frank W.
Baker, David B.
Bechman, William O., and Baker.
Blaydes, Frederick T., and Bauman.
Carlson, Dwight B.
Derr, Elmer B.
Downing, Rexford D., and Engvall.
Downing, Rexford D., and Prosser.
Hardstick, William H.
Hardy, Lloyd A., and Waterman.
Harstick, William H., and Hintz, Jr.
Henning, William W.
Hintz, Otto E., Jr.
Hodson, Floyd G.
Horthy, William A.
Huddle, Edwin F.
Hyman, Benjamin M.
Hyman, Benjamin M., and Karlsson.
Johnson, Arnold E. W.
Johnson, Arnold E. W., and Crumb.
Judkins, George H.
Kane, Paul.
Kooyman, Evert A.
Kriegbaum, George M., and Haas.
Messenger, Robert P.
Messenger, Robert P., and Acton.
Millard, Lee P.
Mott, Carl W.
Orelind, John R.
Orendorff, John W.
Palmer, John S.
Palmer, John S., and Hinkel.
Palmer, John S., and Sulcek.
Parsons, Harry N.
Pool, Stuart D.
Radtke, Adelbert C.
Raney, Russell R.
Rietz, Edward L.
Rosenthal, William C., and Boyle.
Smith, Hiram P.
Turnbull, Glen O.
Van Buskirk, Ernest M.
Water, Howard L.
Welty, Albert B.
Welty, Albert B., and Walker.

International Harvester Company of Canada, Limited,
assignee: *See—*

Christie, Reginald A.
James, Howell N.
Scarlett, Arthur A., and James.

International Milling Company, assignee: *See—*

McCaslin, John W.

International Minerals & Chemical Corporation, assignee:
See—

Archer, James R. and Dunn.
Atwood, George E.
Blish, Morris J.
Burke, William E., Smith, and Manning.
Hoglan, Forest A.
Stenehjem, Ralph W., and Cox.
International Mutoscope Corporation, assignee: *See—*
Dart, Rodger W., and Jenkins.
International Nickel Company, Inc., The, assignee: *See—*
Atkinson, Ralph H.
Atkinson, Ralph H., and Gladis.
Copson, Harry R.
Middleton, Arthur B.
Millis, Keith D., Gagnebin, and Pilling.
Queneau, Paul E., Borland, and Renzoni.
Renzoni, Louis S.
Rhodes, Edwin C.
Robiette, Alfred G. E., and Hancock.
Stockdale, John, and Rison.
Tietz, Herbert D.

Vanick, James S., and Bothwell.

International Paper Company, assignee: *See—*

Beach, Ralph L., Jr.
Bruckhauser, William K.

International Powermatic Corporation, assignee: *See—*

Heyer, Don.

International Rare Metals Refinery, Inc., assignee: *See—*

Blau, Marietta.

International Register Company, assignee: *See—*

Gallagher, William P.
Gallagher, William P., Weber, and Sutor.
Gebel, Irving.
Neuman, Michael J.
Schoenfeld, Barbar L., and Foley.

International Sales Company, assignee: *See—*

Marble, Harold A.

International Smelting and Refining Company, assignee:
See—

Christensen, Arthur L., and Silliman.
McKenna, William J., Lessels, and Peterson.
Shropshire, William W.

International Standard Electric Corporation, assignee:
See—

Ahier, Georges, and Touraton.
Ahier, Jean, and Selz.
Altovsky, Vladimir.
Arditi, Maurice.
Arditi, Maurice, Franzel, and Feinstein.
Back, Raymond R.
Baguley, Eric.
Bartlett, Paul.
Beatty, William A.
Bion, Joseph.
Bray, Frederick H., and Newton.
Burroughs, Gordon.
Busignies, Henri G.
Cabes, Lucien A. B.
Carroll, Louis W.
Chatterjea, Prafulla K., and Ambrose.
Chatterjea, Prafulla K., Ambrose, and Beney.
Chatterjea, Prafulla K., and Houghton.
Chatterjea, Prafulla K., Houghton, and Scully.
Chatterjea, Prafulla K., and Powers.
Chatterjea, Prafulla K., and Scully.
Clark, Trevor H.
Clavier, Andre G.
Cleaver, Richard F.
Cohrt, Eigil.
Couillard, Louis.
Deakin, Gerald.
Deakin, Gerald, Hatton, and Cabes.
Deakin, Gerald, and Herbig.
De Vriendt, Charles, and Cabes.
Dunn, Roland H.
Earp, Charles W.
Earp, Charles W., and Weston.
Foster, John.
Foulkes, Christopher H.
Frenlin, John H.
Frenlin, John H., and Foulkes.
Frenlin, John H., and Tomlin.
Gibson, William T.
Gohorel, Fernand P.
Gold, William A.
Goldstein, Ladislav.
Gray, Frank.
Grayson, Harry.
Hall, Roger N.
Hardy, Rene.
Hartley, George C., and Reynolds.
Hatton, William.
Heaton-Armstrong, Louis J.
Hilton, Roy.
Hodgson, Kenneth G., and Fairley.

International Standard Electric Corporation, assignee:

See—Continued.

Holland, John D.
Jacobsen, Bent B.
Kelly, Richard.
Koechlin, Renaud.
Kozma, Ladislav, and Lens.
Kram, Walter.
Lalande, Marc A.
Levy, Maurice M.
Marker, Thomas F.
Marsh, Walter, Warwick, and Welch.
Martinet, Joseph, and Deshays.
Martini, Edouard.
McWhirter, Eric M. S.
McWhirter, Eric M. S., d'Assis-Fonseca, and Ward.
Moskowitz, Sidney.
Oakes, Lesley F.
Parker, Louis W.
Pheazey, John R., and Andrews.
Platon, Edmund D. V.
Richards, Edward A., and Ellison.
Ridler, Desmond S.
Roach, Richard G.
Scully, Charles T.
Shepard, Stanley C.
Silcock, Howard W.
Smith, William F.
Smyth, Charles N.
Smyth, Charles N., and Grant.
Taylor, Frank H.
Terry, Victor J., and Kelly.
Theillaumas, Clement M.
Van Hasselt, Marc.
Ward, George L.
Weaver, Leslie E.
Webb, John K.
Welch, Peter.
Weston, William K.
Wildbore, Wilfred J. L., and Keenan.
Williams, Herbert P.
Willoughby, Eric O.
Wolfson, Henry, and Shepard.
International Staple and Machine Company, assignee:

See—

Schafroth, Werner.

Schafroth, Werner, and Beal.

International Steel Company, assignee: *See—*

Grabert, Carl G.

International Vehicular Parking, Ltd., assignee: *See—*

Herschede, Walter J., W. Foy, and Woodruff.

Interrante, Frank, Brooklyn, N. Y. Bobby pin holder and hair curler. 2,492,641, Dec. 27.

Interrante, Frank, Brooklyn, N. Y. Combination hair curler and bobby pin fastener. 2,492,642, Dec. 27.

Interstate Folding Box Company, The, assignee: *See—*

Van Guelpen, Louis J.

Intertype Corporation, assignee: *See—*

Freund, Herman R.

Mount, Wadsworth W.

Interval Instruments, Inc., assignee: *See—*

Rieber, Frank.

Inventors Guild, The, assignee: *See—*

Berger, Carl W.

Inventors, Inc., assignee: *See—*

Gibson, William W.

Invox Incorporated, assignee: *See—*

Craig, Palmer H.

Invisible Fastener Company: *See—*

Talalay, Joseph A.

Iorns, Martin E., Los Angeles, Calif. Wheel support and carrier attachment for transporting boats. 2,484,346, Oct. 11.

Iowa Manufacturing Company, assignee: *See—*

Pollitz, Harold C.

Iowa State College Research Foundation, assignee: *See—*

Johns, Iral B.

Johns, Iral B., and Burnette.

Ipatieff, Vladimir N.: *See—*

Pines, Herman, and Ipatieff.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Isomerization of paraffin hydrocarbons by contact with catalyst comprising aluminum chloride and ferric chloride. 2,476,416, July 19.

Ipatieff, Vladimir N., Chicago, and G. S. Monroe, Berwyn, assignors to Universal Oil Products Company, Chicago, Ill. Dehydration of alcohols. 2,478,270, Aug. 9.

Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of bicycloalkyl aromatic compounds and hydrocarbons. 2,480,268, Aug. 30.

Ipsophon Patentgesellschaft A.-G., assignee: *See—*

Handschin, Max.

Irans, Ernest P.: *See—*

Landau, Edward F., and Irans.

Irans, Ernest P., Cranford, N. J., and H. D. Noether, Kew Gardens, N. Y., assignors to Celanese Corporation of America. Stabilization of polysulfone resins. 2,481,596, Sept. 13.

Irby, George S., Jr.: *See—*

Poskitt, Ralph L., and Irby, Jr.

Irish Domestic Electrical Appliances Limited, assignee:

See—

Quinn, John.

Irish, Russell E., Pittsburgh, Pa. Electrolytic dental cleansing apparatus. 2,482,486, Sept. 20.

Irmscher, Hans O., East Hempstead, Long Island, N. Y., assignor to National Urn Bag Co. Inc. Infusion package with nontangling string handle. 2,458,169, Jan. 4.

Irmscher, Hans O., East Hempstead, assignor to National Urn Bag Co., Inc., Long Island City, N. Y. Infusion package manufacture. 2,475,617, July 12.

Irmscher, Hans O., East Hempstead, assignor to National Urn Bag Co., Inc., Long Island City, N. Y. Measuring device using a rotating trap chamber having a varying peripheral speed. 2,490,056, Dec. 6.

Irmscher, Hans O., East Hempstead, N. Y., assignor to National Urn Bag Co., Inc. Making an infusion package with a nontangling handle and tag. 2,490,057, Dec. 6.

Iron Fireman Manufacturing Co., assignee: *See—*

Coe, Everett L., Jr., and Freeling.

Richardson, Max C.

Iron Fireman Manufacturing Company, assignee: *See—*

Richardson, Max C.

Webb, Ernest C.

Irons, Carroll R.: *See—*

Lowry, Robert D., and Irons.

Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. High-frequency electric field heating to produce uniform welds in a stack of organic thermoplastic films. 2,467,133, Apr. 12.

Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Copolymeric vinylidene chloride compositions. 2,477,608, Aug. 2.

Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-vinyl chloride copolymer composition for making shrinkable, translucent films. 2,477,611, Aug. 2.

Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-vinyl chloride copolymer composition for making shrinkable, translucent films. 2,477,612, Aug. 2.

Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-vinyl chloride copolymer composition for making shrinkable, translucent films. 2,477,613, Aug. 2.

Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-vinyl chloride copolymer composition for making shrinkable, translucent films. 2,477,614, Aug. 2.

Irons, Carroll R., Midland, and C. B. Havens, Hope, assignors to The Dow Chemical Company, Midland, Mich. Copolymeric vinylidene chloride compositions. 2,477,609, Aug. 2.

Irons, Carroll R., Midland, and C. B. Havens, Hope, assignors to The Dow Chemical Company, Midland, Mich. Copolymeric vinylidene chloride compositions. 2,477,610, Aug. 2.

Irons, Mildred L., administratrix: *See—*

Marsh, Rutherford H.

Irrgang, Louis J., Jersey City, N. J. Socket connector plug. 2,475,243, July 5.

Irvin, Ward M., Battle Creek, Mich. Holder for Christmas trees, flagstaffs, and the like. 2,459,533, Jan. 18.

Irvin, Ward M., Battle Creek, Mich. Ash receiver and snuffer. 2,480,245, Aug. 30.

Irvine, Vivan C.: *See—*

Tamele, Miroslav W., Irvine, and Mahar.

Irvine, William L., Brooklyn, assignor to The American Sugar Refining Company, New York, N. Y. Bundle sealing machine. 2,460,751, Feb. 1.

Irving Air Chute Co., Inc., assignee: *See—*

Hatfield, John E.

Kajdan, Chester C.

Irving Air Chute Company, Inc., assignee: *See—*

Rogers, Harold G., and Kajdan.

Irving, Francis: *See—*

Heslop, Robert N., Irving, and Livingston.

Irving, Jack H., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna system. 2,480,189, Aug. 30.

Irving, James H., Los Angeles, Calif. Cork puller. 2,486,286, Oct. 25.

Irving, John S., Birmingham, England. Internally expanding brake for vehicles. 2,469,826, May 10.

Irving, Orville E., San Francisco, Calif. Radial engine. 2,477,061, July 26.

Irving Subway Grating Co., Inc., assignee: *See—*

Barry, Richard J.

Irvington Varnish and Insulator Company, assignee: *See—*

Schaeffelberger, William F.

Irwin, Emmett M., San Marino, Calif. Magnetic pickup device and balancing the device. 2,491,736, Dec. 20.

Irwin, Frank N., Jr., South Miami, Fla. Sealer. 2,465,310, Mar. 22.

Irwin, Frank N., Jr., South Miami, Fla. Sealer. 2,470,852, May 24.

Irwin, G. Howard, assignee, trustee: *See—*

Witons, Elizabeth M.

Irwin, Henry, assignor to General American Transportation Corporation, Chicago, Ill. Jaw grinding mechanism for car wheel boring mills. 2,458,472, Jan. 4.

Irwin, James O.: *See—*

Thurston, Arthur L., and Irwin.

Irwin, Jesse M., Dallas, Tex. Producing a molding powder. 2,486,601, Nov. 1.

- Irwin, William J., Wilkesburg, Pa. Heat regenerator of the chimney type. 2,479,933, Aug. 23.
- Isaac, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Exposure-indicating spool. 2,458,383, Jan. 4.
- Isaacs, Elias, and H. Gudgeon, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Copolymers of alpha-acetaminoacrylates. 2,461,383, Feb. 8.
- Isaacs, Jay A., Detroit, Mich. Lawn mower. 2,487,927, Nov. 15.
- Isaacs, Marcus M., Sydney, New South Wales, Australia. Fastening means for trousers and other garments. 2,474,629, June 28.
- Isaacs, Wilfred S.: *See*—Talboys, Henry H., and Isaacs.
- Isaacson, Arthur M., Fanwood, and H. H. Merwin, Ruthersford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Cable forming apparatus. 2,465,537, Mar. 29.
- Isaacson, Esther B., administratrix: *See*—Fossa, Joseph, and Isaacson.
- Isaacson, Leo N.: *See*—Fossa, Joseph, and Isaacson.
- Isaacson, Paul R., Denver, Colo. Clip support for shotgun shells. 2,477,806, Aug. 2.
- Isacco, Vittorio, London, England. Parachute and the like with rotating sustaining blades. 2,458,855, Jan. 11.
- Isacco, Vittorio, London, England. Jet engine. 2,474,359, June 28.
- Isakson, Stig., assignor of one-half to G. W. Schumacher, Portland, Oreg. Support for pedestals. 2,482,979, Sept. 27.
- Isay, Günter H., Basel, Switzerland. Remotely controlled receiver. 2,453,053, Sept. 27.
- Isay, Rudolf, Caviana, Brazil. Corn shelling machine with adjustable concave. 2,484,228, Oct. 11.
- Isbell, Arthur F., Minneapolis, Minn., assignor to General Mills, Inc. Beta amino propionates. 2,468,012, Apr. 19.
- Isbell, Charles C., Long Beach, Calif. Oxyelectric torch. 2,465,157, Mar. 22.
- Isbell, William T., Herculaneum, Mo., assignor to St. Joseph Lead Company, New York, N. Y. Refining of lead. 2,461,280, Feb. 8.
- Isbister, Eric J., Forest Hills, N. Y., assignor to The Sperry Corporation. Method and apparatus for pulse-echo distance measuring. 2,481,513, Sept. 13.
- Isbister, Eric J., Garden City, N. Y., assignor to The Sperry Corporation. Pulse delineator. 2,477,615, Aug. 2.
- Isbister, Eric J., Garden City, N. Y., assignor to The Sperry Corporation. Interval measuring system. 2,484,034, Oct. 11.
- Ischer, Hans, Basel, assignor to the firm Sandoz Ltd., Fribourg, Switzerland. Disazo dyestuffs and their manufacture. 2,472,215, June 7.
- Isele, Louis E., Watertown, assignor to Seymour Smith & Son, Inc., Oakville, Conn. Two-ply jaw for lock grip plier wrenches. 2,477,335, July 26.
- Isele, Louis E., Watertown, assignor to Seymour Smith & Son, Oakville, Conn. Toggle lever operated pliers with pivoted jaw piece. 2,478,696, Aug. 9.
- Iseli, Alfred, Adliswil-Zürich, assignor to Machine Tool Works Oerlikon Administration Company, Zürich-Oerlikon, Switzerland. Radial drilling machine. 2,489,644, Nov. 29.
- Isenbarger, Robert O., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,489,781, Nov. 29.
- Isenberg, Alexander H., assignee: *See*—Williamson, Thomas F. M.
- Iserson, Hyman: *See*—Frager, Max, and Iserson.
- Isherwood, Francis P., and J. W. Ecroyd, assignors to Woodroyd Tools Limited, Millbrook, Stalybridge, England. Folding blade with paired legs. 2,478,271, Aug. 9.
- Ishler, Harry K., assignor to Sylvania Electric Products Inc., Emporium, Pa. Electron tube mount stabilizer support. 2,478,969, Aug. 16.
- Ishler, Harry K., Nassau, N. Y., assignor to Sylvania Electric Products, Inc. Electron discharge tube. 2,492,643, Dec. 27.
- Isler, Hans: *See*—Hartmann, Max, and Isler.
- Isler, Otto, and A. Businger, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pentaenes. 2,475,139, July 5.
- Isler, Otto, W. Guex, and P. Treadwell, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of vitamin A-acetate. 2,490,358, Dec. 6.
- Isley, Frank C., Washington, D. C. Testing radio echo equipment. 2,460,827, Feb. 8.
- Isom, Langley W., Belmont, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Fast rising sounding balloon. 2,492,800, Dec. 27.
- Isom, Warren R.: *See*—Kellogg, Edward W., and Isom.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada. Multiple push-button switch. 2,469,650, May 10.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor-driven leveling support. 2,490,628, Dec. 6.
- Isserstedt, Siegfried G., Toronto, Ontario, Canada. Lawn mower. 2,492,290, Dec. 27.
- Ista, Paul E., Paris, France, assignor to General Electric Company. Apparatus for manufacture of fibrous articles. 2,460,129, Jan. 25.
- Isthmian Metals, Inc., assignee: *See*—Webb, George W. Whitney, Lyman F.
- Istvan, Edwin J., Cleveland, Ohio. Modulated reflecting-resonant target. 2,462,102, Feb. 22.
- Ittner, Hildegard H., executrix: *See*—Ittner, Martin H.
- Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Continuous fat splitting. 2,458,170, Jan. 4.
- Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Countercurrent hydrolysis of fat. 2,480,471, Aug. 30.
- Ittner, Martin H., deceased, Township of Wall, Monmouth County, N. J.; by H. H. Ittner, executrix, West Hartford, Conn., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing partial esters of glycerine and fatty acids. 2,474,740, June 28.
- Iungerich, Frank L., Webster Groves, assignor to W. Peché, St. Louis, Mo. Food preservation. 2,472,017, May 31.
- Ivandick, Matthew G., assignor to Free Sewing Machine Co., Rockford, Ill. Sewing machine. 2,460,828, Feb. 8.
- Ivanoff, Alexander: *See*—Howard, Giles P. E., and Ivanoff.
- Ivanoff, James: *See*—Rumpakis, Louis, and Sussman.
- Ivanovic, Nicholas, Philadelphia, Pa. Vibration insulating mounting. 2,460,292, Feb. 1.
- Ivanovic, Nicholas, Philadelphia, Pa. Vibration insulating device. 2,460,829, Feb. 8.
- Ivers-Lee Company, assignee: *See*—Sainsberg, Leroy L.
- Iversen, Hjalmar, Strandbakke, Nesbryggen, Nøtterøy, Norway. Collapsible frame sea anchor. 2,491,564, Dec. 20.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Fluid operated strip guide. 2,484,347, Oct. 11.
- Iversen, Norman H., Birmingham, Mich., assignor to Production Broaching Corporation. Chuck. 2,461,059, Feb. 8.
- Iversen, Norman H., Birmingham, assignor to The Production Broaching Corporation, Detroit, Mich. Broach with integral guiding elements. 2,487,757, Nov. 8.
- Iverson, Arden L.: *See*—Kohl, William R., and Iverson.
- Iverson, Isedor, and S. M. Simonson, McGregor, Minn. Fluid transmission system. 2,481,220, Sept. 6.
- Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen fluoride recovery process. 2,468,756, May 3.
- Ives, Burton H., Chicago, assignor to Rockford Automotive Industries, Inc., De Kalb, Ill. Hanger. 2,479,839, Aug. 23.
- Ives, Edwin F., Wallingford, Conn. Skate sharpener. 2,486,850, Nov. 1.
- Ives, Lawrence C., New York, N. Y. Automotive truck bed. 2,462,868, Mar. 1.
- Iverson, Robert H., Barstow, Calif. Automatic switch. 2,467,134, Apr. 12.
- Ivey, Scott R., Covington, Ky., assignor of forty per cent to J. Ettensohn, Jr., Green Township, Ohio. Paint spraying device. 2,488,195, Nov. 15.
- Ivory, Margaret C., Massillon, Ohio. Combination chair and table unit. 2,474,252, June 28.
- Ivy, Andrew C., and H. Greengard, Chicago, Ill., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Preparing a concentrate for treating peptic ulcer. 2,477,541, July 26.
- Iwanski, Emil F., Chicago, Ill. Automobile cooling apparatus. 2,475,897, July 12.
- Izard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrolein acetal polymers. 2,467,430, Apr. 19.
- Izard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers containing recurring aldehyde groups and derivatives thereof and preparing same. 2,485,239, Oct. 18.
- Izenour, George C., New Haven, Conn. Lighting control circuits. 2,463,463, Mar. 1.
- J. & L. Steel Barrel Company, assignee: *See*—Dunneback, Joseph G.
- J. & L. Tool Findings Co., assignee: *See*—Johnson, Alvin N. Peterson, Seth H.
- J. P. Engineering Company Limited, The, assignee: *See*—Booton, Charles F.
- J & R Products Company, assignee: *See*—Reed, Wilbur S.
- Jablón, Theodore M., Elmhurst, N. Y. Slide mounting. 2,490,058, Dec. 6.
- Jablonsky, Bruno, Waddon, Croydon, England. Manufacturing hollow articles of bonded fibrous laminae. 2,477,375, July 26.
- Jachetta, Frank C.: *See*—DeChant, Alois C., and Jachetta.
- Jachimiec, Teddy, Chicago, Ill. Gun stock. 2,484,168, Oct. 11.

- Jack, Delbert E., New York, N. Y., assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,467,312, Apr. 12.
- Jack & Heintz Precision Industries, Inc., assignee: *See*—
Bousky, Samuel.
Cahill, Lysle D., Buhl, and Horwitz.
Cahill, Lysle D., and Denham.
Carlson, Bert G.
Heintz, Ralph M.
Helber, Carl A.
Kopischiansky, Andrew F.
Luginbuhl, Emil.
Neff, Joseph J.
Nyman, Carl G.
Scott, Lloyd H.
Spalding, Thomas R., and Schroeder.
Tabb, Warner T.
Woolsey, Theodore A.
Woolsey, Theodore A., and Webster.
- Jackman, Elmer F.: *See*—
Stecher, Henry D., and Jackman.
- Jackman, Helen E., administratrix: *See*—
Stecher, Henry D., and Jackman.
- Jackman, Walter P., Boonton, N. J., assignor to American Telephone and Telegraph Company. Portable coin collector for telephone systems. 2,460,936, Feb. 8.
- Jackson, A. C., assignee: *See*—
Ruffin, Theodore L.
- Jackson, Albert I., assignee: *See*—
Wolf, Allen C.
- Jackson, Albert S., Wood River, and C. A. Heyne, Alton, Ill., assignors to Owens-Illinois Glass Company. Machine for applying surface decorations to bottles and jars. 2,461,281, Feb. 8.
- Jackson, Alexander F., East Orange, N. J. Rowing machine. 2,475,667, July 12.
- Jackson, Andrew H., Opportunity, Wash. Caster brake. 2,484,094, Oct. 11.
- Jackson, Arthur F., and C. B. Schneible, Detroit, Mich., assignors to said Schneible as trustee. Foundry sand preparation process. 2,487,139, Nov. 8.
- Jackson, Byron, Co., assignee: *See*—
Gaylord, James M., and Ball.
Johns, Don F.
- Jackson, Carey B., Forest Hills, and R. C. Werner, Evans City, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Production of alkali metal. 2,480,655, Aug. 30.
- Jackson, Carlton L., Columbus, Ohio. Reversible, variable-speed rotary pump and motor hydraulic transmission. 2,485,240, Oct. 18.
- Jackson, Clarence E.: *See*—
Beyer, Frederick C., and Jackson.
Christenson, Arthur L., and Jackson.
- Jackson, Clifford C.: *See*—
Hicks, Harold A., and Jackson.
- Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Tie tamping or ballasting machine. 2,482,111, Sept. 20.
- Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Vibratory backfill compacter. 2,488,915, Nov. 22.
- Jackson, Donald: *See*—
Edwards, Baden J., and Jackson.
- Jackson, Donald, assignor to Pye Limited, Cambridge, England. Radio tube socket. 2,468,368, Apr. 26.
- Jackson, Donald, assignor to Pye Limited, Cambridge, England. Unitary closure and mask for cathode-ray tubes. 2,470,620, May 17.
- Jackson, Donald, assignor to Pye Limited, Cambridge, England. Radio antenna. 2,471,215, May 24.
- Jackson, Donald, assignor to Pye Limited, Cambridge, England. Television apparatus. 2,479,494, Aug. 16.
- Jackson, Donald G., Pasadena, Calif. Foldable boat. 2,485,446, Oct. 18.
- Jackson, Donald R., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Making alkyl esters of aryl sulfonic acid. 2,486,416, Nov. 1.
- Jackson, Donald R., and W. K. Langdon, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkyl- and aryl-esters of alkyl benzene-sulfonic acids. 2,486,417, Nov. 1.
- Jackson, Elwood C., and T. H. Babb, Lyman, S. C., assignors to Pacific Mills. Making silver protective cloth. 2,480,930, Sept. 6.
- Jackson, Ernest W., Austin, Tex. Coin-container wrapper. 2,480,368, Aug. 30.
- Jackson, Foster R., Chino, Calif. Building wall. 2,476,096, July 12.
- Jackson, George H., Roberts, Idaho. Heavy truck tire and wheel dolly. 2,483,908, Oct. 4.
- Jackson, George M., Lake Forest, Ill. Illuminated pouring spout. 2,477,984, Aug. 2.
- Jackson, George R., Tucson, Ariz., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Apparatus for charging ammunition boxes. 2,464,689, Mar. 15.
- Jackson, Gordon: *See*—
Goble, Ralph W., and Jackson.
- Jackson, Gordon, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Inclination indicating apparatus. 2,486,529, Nov. 1.
- Jackson, Hagan L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulsed oscillator. 2,484,229, Oct. 11.
- Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Work supporting means for heat treating furnaces. 2,461,606, Feb. 15.
- Jackson, Harry, Lockland, Ohio. Magnetically operated switch. 2,479,621, Aug. 23.
- Jackson, Herman F., and T. F. Spencer, Detroit, Mich. Heating and pressing comb. 2,474,106, June 21.
- Jackson, Herman H., assignor of one-third to F. E. Leveling and one-third to C. H. De Leske, Long Beach, Calif. Hydraulically checked escape reel. 2,479,116, Aug. 16.
- Jackson, James G., Port Alberni, British Columbia, assignor of one-half to J. N. Trumppour, New Westminster, Canada. Reel signal unit. 2,457,901, Jan. 4.
- Jackson, James G., Vancouver, British Columbia, assignor of one-half to J. N. Trumppour, Port Alberni, British Columbia, Canada. Audible reel signal for motion-picture projectors. 2,469,731, May 10.
- Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Insulation for spherical tank shells and making the same. 2,470,986, May 24.
- Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Flexible nozzle for supersonic wind tunnels. 2,472,949, June 14.
- Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Precooling insulated tanks for storing cold liquids. 2,480,472, Aug. 30.
- Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Sealing means for the joints between the movable and stationary walls of an adjustable wind tunnel nozzle. 2,486,287, Oct. 25.
- Jackson, James W., Toronto, Ontario, Canada. Tool for reconditioning valves. 2,460,985, Feb. 8.
- Jackson, Jesse A., Pensacola, Fla. Reduction gear. 2,475,504, July 5.
- Jackson, Joe D., and R. D. Davidson, Houston, Tex., assignors to said Jackson. Lantern reflector. 2,482,543, Sept. 20.
- Jackson, John G.: *See*—
Lenzen, Frederick, and Jackson.
- Jackson, John G., assignor to Square D Company, Detroit, Mich. Arc suppressor. 2,467,937, Apr. 19.
- Jackson, Joseph G., assignor to Ekco Products Company, Chicago, Ill. Cutlery construction. 2,474,425, June 28.
- Jackson, Joseph W., Frankfort, Ky. Rotatable baffle type muffler. 2,479,165, Aug. 16.
- Jackson, Lloyd R., and E. J. Ramaley, assignors to Battelle Memorial Institute, Columbus, Ohio. Apparatus for erosion testing. 2,478,659, Aug. 9.
- Jackson, Norman M., assignor of one-half to W. Johnson, Washington, D. C. Coin-controlled switch. 2,484,711, Oct. 11.
- Jackson, Robert J., Houston, Tex. Vehicle for transporting players on golf courses. 2,463,972, Mar. 8.
- Jackson, Robert M., Baton Rouge, La., and P. J. Harrington, Mountainside, N. J., assignors to Standard Oil Development Company. Absorption process. 2,470,438, May 17.
- Jackson, Rupert F., Cleveland, assignor of one-half to A. Knudsen, Mentor, Ohio. Reciprocating tool. 2,459,942, Jan. 25.
- Jackson, Sydney: *See*—
Chilcot, Arthur L., and Jackson.
- Jackson, Thomas, North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Motor mounting. 2,468,671, Apr. 26.
- Jackson Vibrators, Inc., assignee: *See*—
Jackson, Corwill.
- Jackson, W. Floyd Co., assignee: *See*—
Jackson, William F.
- Jackson, Wilbur, Chatsworth, Ga. Detachable handle and connection. 2,463,971, Mar. 8.
- Jackson, Wilbur, Chatsworth, Ga. Jack. 2,479,362, Aug. 16.
- Jackson, Wilbur C.: *See*—
Frihart, H. Neil, Jackson, and Williams.
- Jackson, William F., assignor to W. Floyd Jackson Co., Wilmington, Del. Light reflecting device. 2,483,202, Sept. 27.
- Jacob, Don M., Scotia, N. Y., assignor to General Electric Company. Pulse echo beacon transponder. 2,477,485, July 26.
- Jacob, Edmond E., Pontiac, Mich. Bedspring support. 2,476,605, July 19.
- Jacob, Frederick N., Chicago, Ill., assignor to Aladdin Industries, Incorporated. Inductor tuning system. 2,477,749, Aug. 2.
- Jacobaeus, Anton C.: *See*—
Ericsson, Eric A., and Jacobaeus.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Air cleaner. 2,459,428, Jan. 18.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Drive link for door locks. 2,477,063, July 26.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,480,026, Aug. 23.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Protector for automobile ignition switch coil leads. 2,483,284, Sept. 27.

- Jacobi, Ernst, Oslo, Norway; vested in the Attorney General of the United States. Apparatus for recording of rapidly varying processes. 2,477,062, July 26.
- Jacobi, Ernst J., Alingsas, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Electrical regulator. 2,463,389, Mar. 1.
- Jacobowitz, Arnold, Buffalo, and E. A. Ulrich, Kenmore, N. Y.; said Ulrich assignor to said Jacobowitz. Filter leaf. 2,468,286, Apr. 26.
- Jacobowitz, Harry, and L. Bank, Brooklyn, N. Y. Convertible hairbrush. 2,463,390, Mar. 1.
- Jacobs, Allen: *See*—
Thompson, Lloyd, and Jacobs.
- Jacobs, Anthunis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement adapted to visualise direct voltages on the screen of a cathode-ray oscillograph. 2,466,590, Apr. 5.
- Jacobs, Arthur E., Kiowa, Kans. Threshed grain buncher. 2,484,949, Oct. 18.
- Jacobs, Edward C.: *See*—
Lundstedt, Lester G., Schwiegler, and Jacobs.
- Jacobs, Edward L., Vicksburg, Mich. Weedless rubber fish bait. 2,476,733, July 19.
- Jacobs, F. L., Co., assignee: *See*—
Brundage, Alan D.
Burdick, Emory F.
Erickson, Charles A.
Jacobs, Fred L.
Visser, John.
- Jacobs, Frank, Asbury Park, N. J. Chest fastener unit. 2,490,814, Dec. 13.
- Jacobs, Fred L., Grosse Pointe, assignor to F. L. Jacobs Co., Detroit, Mich. Visor. 2,458,707, Jan. 11.
- Jacobs, Helen H., United States Navy. Self-luminous ash tray. 2,461,549, Feb. 15.
- Jacobs, Henry S.: *See*—
Burdick, Will S., and Jacobs.
- Jacobs, Henry S., assignor to Harnischfeger Corporation, Milwaukee, Wis. Winch control. 2,462,747, Feb. 22.
- Jacobs, Henry S., assignor to Harnischfeger Corporation, Milwaukee, Wis. Regulating generator. 2,475,140, July 5.
- Jacobs, Henry S., and W. J. Cherones, assignors to Harnischfeger Corporation, Milwaukee, Wis. Reversible polarity generator. 2,490,629, Dec. 6.
- Jacobs, Hyman, Allston, Mass. Brush for cleaning type. 2,490,440, Dec. 6.
- Jacobs, James H., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Stripping electrodeposited manganese. 2,458,908, Jan. 11.
- Jacobs, Joseph H., Minneapolis, Minn. Centrifugally operated blade feathering device for propellers. 2,464,234, Mar. 15.
- Jacobs, Leonard, Philadelphia, Pa., assignor to Radio Corporation of America. Safety switch. 2,470,701, May 17.
- Jacobs, Louis, assignor to J. S. Weiss, Chicago, Ill. Unitary bed bottom and mattress structure. 2,485,493, Oct. 18.
- Jacobs, Louis J.: *See*—
Kaufman, Theodore, Jr., and Jacobs.
- Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M.
- Jacobs, Maurice D., Long Island, N. Y. Traveling rocking horse. 2,490,059, Dec. 6.
- Jacobs, Philip F.: *See*—
Gorad, Samuel, and Jacobs.
- Jacobs, Robert L., Cleveland, Ohio. Rocking pocketed ball game. 2,463,624, Mar. 8.
- Jacobs, Samuel S., San Mateo, and H. B. Peterson, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Reforming machine. 2,460,293, Feb. 1.
- Jacobs, Stephen: *See*—
Matson, William N., and Jacobs.
- Jacobsen, Andrew B., Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse code operated electronic range indicator. 2,482,544, Sept. 20.
- Jacobsen, Arne, Accord, N. Y. Fishing net. 2,470,621, May 17.
- Jacobsen, Bent B., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Measuring difference in frequency of alternating currents. 2,474,253, June 28.
- Jacobsen, Edwin, Altadena, Calif. Power transmitting mechanism for internal-combustion engines. 2,477,376, July 26.
- Jacobsen, Irwin S., Little Falls, assignor to Industrial Electronics Corporation, Newark, N. J. Safety starter circuit and unit. 2,492,575, Dec. 27.
- Jacobsen, Lance R., Seattle, Wash. Mobile telephone system. 2,481,516, Sept. 13.
- Jacobsen Manufacturing Company, assignee: *See*—
Carlson, J. A. Edwin.
- Jacobsen, Otto S., Chicago, Ill. Building construction. 2,465,687, Mar. 29.
- Jacobsen, Oystein, assignor to The Duriron Company, Inc., Dayton, Ohio. Valve. 2,467,313, Apr. 12.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Self-priming centrifugal pump. 2,466,812, Apr. 12.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Shaft seal. 2,473,061, June 14.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Lubrication fitting. 2,483,544, Oct. 4.
- Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug cock valve. 2,485,831, Oct. 25.
- Jacobsen, Richard S., Los Angeles, Calif. Conveyor. 2,458,077, Jan. 4.
- Jacobsen, Robert P., Shrewsbury, and G. Pincus, Worcester, Mass., assignors to G. D. Searle & Co., Skokie, Ill. Octahydrophenanthrene hydroxy lactone and derivatives thereof. 2,480,246, Aug. 30.
- Jacobsen, William E., Ballston Lake, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,460,752, Feb. 1.
- Jacobson, Abraham, assignee: *See*—
Miller, John Z.
- Jacobson, Abraham W., New Haven, assignor to The Bristol Company, Waterbury, Conn. Automatic electric motor control apparatus. 2,466,591, Apr. 5.
- Jacobson, Arthur G.: *See*—
Peyrebrune, Henri E., and Jacobson.
- Jacobson, Arthur G., assignor, by mesne assignments, to The Miehe Printing Press & Manufacturing Company, Chicago, Ill. Sheet transfer gripper mechanism. 2,474,150, June 21.
- Jacobson, Carl A., Ardmore, Pa., assignor to The Baldwin Locomotive Works. Opposed piston engine construction with removable cylinders. 2,469,651, May 10.
- Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Lateral film edge pressure spring. 2,461,471, Feb. 8.
- Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film guiding and positioning device. 2,464,180, Mar. 8.
- Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Footage indicator for photographic apparatus. 2,475,898, July 12.
- Jacobson, Elmer H.: *See*—
Uschmann, Curt, and Jacobson.
- Jacobson, Eugene W., Oakmont, H. O. Creazzi, Penn Township, Allegheny County, and J. R. Aikins, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for filling containers of pressure fluids. 2,462,642, Feb. 22.
- Jacobson, Franz, New York, N. Y. Antivibration coupling for tubing. 2,463,625, Mar. 8.
- Jacobson, Fred M., Bellingham, Wash. Fishing reel. 2,463,108, Mar. 1.
- Jacobson, Fred M., Bellingham, Wash. Catch for drawers, doors, and the like. 2,490,060, Dec. 6.
- Jacobson, Henning W.: *See*—
Coffman, Donald D., and Jacobson.
- Jacobson, Ilamae W., assignor to Kickernick, Inc., Minneapolis, Minn. Maternity panty garment. 2,462,195, Feb. 22.
- Jacobson, Ilamae W., St. Louis Park, Minn. Children's sleeping garment. 2,469,556, May 10.
- Jacobson, Jesse B., San Jose, Calif. Kitchen knife sharpener. 2,458,856, Jan. 11.
- Jacobson, Moses G., Verona, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Determining oxygen in gases. 2,464,087, Mar. 8.
- Jacobson, Parker A., Evanston, Ill. Sausage machine. 2,492,222, Dec. 27.
- Jacobson, Ralph A.: *See*—
Brubaker, Merlin M., and Jacobson.
- Jacobson, Richard E.: *See*—
Formo, Jerome L., Johnson, and Jacobson.
- Jacobsson, Wilgot J., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Blowpipe. 2,459,881, Jan. 25.
- Jacobs, Winifred, New York, N. Y. Vanity case and the like. 2,461,421, Feb. 8.
- Jacoby, Arthur L.: *See*—
Bird, Paul G., and Jacoby.
- Jacoby, George W., Jr., Wooster, Ohio. Fingerprint machine. 2,485,737, Oct. 25.
- Jacokes, James W., Asheville, assignor to American Enka Corporation, Enka, N. C. Rayon packages. 2,488,667, Nov. 22.
- Jacot, Harold E., assignor to Sawyer Tanning Company, Napa, Calif. Leather measuring gauge. 2,483,639, Oct. 4.
- Jacquard Knitting Machine Co., Inc., assignee: *See*—
Miller, Charles F.
- Jacques Loewe Research Foundation, Inc., The, assignee: *See*—
Koree, Jean U.
- Jacobowitz, Georges, assignor to Compagnie Generale Pour l'Equipeement Aeronautique, Paris, France. Electronic impulse speed regulator. 2,492,045, Dec. 20.
- Jacuzzi Bros., Incorporated, assignee: *See*—
Jacuzzi, Candido, and Armstrong.
- Jacuzzi, Candido, and J. E. Armstrong, Berkeley, Calif., assignor to Jacuzzi Bros., Incorporated. Self-priming deep well pump system. 2,486,288, Oct. 25.
- Jadoul, Edmond L., Brussels, Belgium. Elastic guide for cream separator shafts. 2,488,295, Nov. 15.
- Jaeger, Alphons O.: *See*—
Ashley, Kenneth D., and Jaeger.

- Jaeger Machine Company, The, assignee: *See*—
 Bohannon, Robert C.
 Lambertson, Ralph E.
 Mandt, Obert G.
 Millikin, Arnold S.
 Van Voorhis, William G.
- Jaeger, Paul A., Canton, Ill. Sterilizing sink. 2,480,931, Sept. 6.
- Jaeger, Walter C., Maiefeld, assignor to Banque pour Entreprises Electriques, Zurich, Switzerland. Gas-sensing control means with gas-discharge device. 2,465,377, Mar. 29.
- Jaeschke, Ralph L., Kenosha, Wis., and D. V. Edwards, Montclair, N. J., said Jaeschke assignor to Dynamatic Corporation, Kenosha, Wis., said Edwards assignor to Electrons, Inc., Newark, N. J. Electronic governing apparatus for electric machinery. 2,489,184, Nov. 22.
- Jaffa, Mose, Brooklyn, N. Y., assignor to Optimus Equipment Company, Matawan, N. J. Degreasing device. 2,469,040, May 3.
- Jaffa, William, Minneapolis, Minn. Combination pan and brush. 2,477,876, Aug. 2.
- Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal element. 2,483,640, Oct. 4.
- Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal element. 2,483,641, Oct. 4.
- Jaffe, Hans, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric element of P-type crystal. 2,463,109, Mar. 1.
- Jaffe, Hans, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Bender type electromechanical device with dielectric operating element. 2,484,950, Oct. 18.
- Jaffe, Hans, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal. 2,490,216, Dec. 6.
- Jagen, Theodore A., Harrison, N. J., assignor to General Motors Corporation, Detroit, Mich. Heat treating. 2,479,934, Aug. 23.
- Jagen, Theodore A., Harrison, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,486,950, Nov. 1.
- Jagenburg, E. R., Inc., assignee: *See*—
 Jagenburg, Rene T.
- Jagenburg, Rene T., assignor to E. R. Jagenburg Inc., Brooklyn, N. Y. Cutting tool for coring pineapples. 2,466,314, Apr. 5.
- Jagersberger, Adolf, St. Gilgen, Austria. Pyrometer lamp for optical temperature measurements. 2,469,115, May 3.
- Jaggi, Lewis F., Dayton, Ohio. Wavemeter to calibrate panoramic receivers. 2,471,432, May 31.
- Jaggi, Lewis F., San Antonio, Tex. Superregenerative receiver system. 2,481,517, Sept. 13.
- Jaggi, Lewis F., Jr., E. M. Williams, and A. D. Shearer, Dayton, Ohio. Analyzing receiver. 2,468,073, Apr. 26.
- Jahnig, Charles E.: *See*—
 Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
- Jahoda, William J., Put in Bay, Ohio. Towel rack. 2,460,505, Feb. 1.
- Jahrl, Erik T. W., Orebro, Sweden. Chuck. 2,459,649, Jan. 18.
- Jain, Alva R.: *See*—
 Sprinkle, Leonard M., and Jain.
- Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Control knob of thermoplastic material. 2,473,648, June 21.
- Jakeway, Gerald V., assignor to Keller Brass Company, Grand Rapids, Mich. Door handle. 2,485,000, Oct. 18.
- Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle. 2,492,751, Dec. 27.
- Jakob, Richard J.: *See*—
 Witzky, Julius E., Lang, and Jakob.
- Jakobsen, Jakob L., Minneapolis, Minn., assignor to General Mills, Inc. Purification of a fatty oil. 2,465,969, Mar. 29.
- Jakubowski, Bruno, assignor to B. Jakubowski and A. Wolski, Chicago, Ill., doing business as B. J. Machine Shop Company. Grommet extending tool. 2,466,952, Apr. 12.
- Jalbert, Domina C., Belmont, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Balloon for tandem flight and flying meteorological balloons. 2,475,839, July 12.
- Jamell, Joe H.: *See*—
 Garner, Clidith E., Marlock, Jr., and Kramp.
- James, Bill Y., Miami, Okla. Package wrapping. 2,475,323, July 5.
- James, Burton E., and E. D. Beachler, assignors to Beloit Iron Works, Beloit, Wis. Combination papermaking machine. 2,467,556, Apr. 19.
- James, Claude E., Columbia, S. C. Screw and nut starter and alignment tool. 2,492,576, Dec. 27.
- James, David: *See*—
 Gantner, Edward G., and James.
- James, Delwin V., Houston, Tex. Turning device. 2,486,030, Oct. 25.
- James, Edward M., Winchester, Mass., assignor to Lever Brothers Company. Fractionation of unsaturated glyceride oils. 2,459,820, Jan. 25.
- James, Frazier N., Dallas, Tex., assignor, by mesne assignments, of thirty-three and one-third per cent to The Master Corporation, thirty-three and one-third per cent to F. N. James, and thirty-three and one-third per cent to R. A. Gump. Refrigerating cabinet having an air-pump circuit. 2,468,932, May 3.
- James, Frazier N., assignor of one-third to R. A. Gump, one-sixth to C. M. McMullin, and one-sixth to C. Kilgore, Dallas, Tex. Merchandise control gate for vending machines. 2,480,932, Sept. 6.
- James, Howell N.: *See*—
 Scarlett, Arthur A., and J.
- James, Howell N., assignor to International Harvester Company of Canada, Limited, Hamilton, Ontario, Canada. Implement rock arm construction. 2,464,511, Mar. 15.
- James, Jerome B., Emigrant Gap, Calif. Variable thrust and reversing propeller. 2,481,751, Sept. 13.
- James, John E., Kankakee, Ill. Apparatus for graphing the elasticity of bows. 2,491,111, Dec. 13.
- James, Louise, assignor to Huye Space Saving Box System, Inc., New Orleans, La. Combined box handle and partition. 2,489,034, Nov. 22.
- James, Louise, and J. E. Jubin, New Orleans, La. Combined hat stay and compartmenting means for hat boxes. 2,472,079, June 7.
- James Manufacturing Company, assignee: *See*—
 Olson, John B.
 Petraske, Harry O.
- James, Richard E., Pasadena, assignor to Rheem Manufacturing Company, Richmond, Calif. Floor and wall furnace. 2,491,664, Dec. 20.
- Jameson, Charles M., Detroit, Mich. Holding valve device for fluid operated brakes. 2,486,289, Oct. 25.
- Jameson, William, assignee: *See*—
 Nyberg, Curt E.
- Jameson, William, Chicago, Ill. Shovel structure and support therefor. 2,484,409, Oct. 11.
- Jamestown Metal Equipment Company, Inc., assignee: *See*—
 Oberg, Gunnard A.
- Jam Handy Organization, Inc., The, assignee: *See*—
 Davock, Alfred M.
 Sullivan, Gerald P., and Simunich.
- Jamieson, Douglas J., Detroit, Mich. Orthodontic instrument for measuring the Frankfurt-mandibular plane angle. 2,475,706, July 12.
- Jamieson, William G.: *See*—
 Walker, Ronald W., and Jamieson.
- Jamison, Charles R., Morgantown, W. Va. Landing gear for airplanes. 2,460,506, Feb. 1.
- Jamison, Charles R., Morgantown, W. Va. Control means for airplane landing gear for landing crosswind. 2,474,630, June 28.
- Jamison, Claude T., and V. P. Brewer, Alton, Ill. Vacuum nursing bottle with jacket. 2,480,247, Aug. 30.
- Jamison Cold Storage Door Company, assignee: *See*—
 Jamison, John V., Jr.
- Jamison, John V., Jr., assignor to Jamison Cold Storage Door Company, Hagerstown, Md. Track door operating mechanism. 2,465,650, Mar. 29.
- Jamo, John N., Grand Rapids, Mich. Needle threader. 2,476,872, July 19.
- Janapol, Melvin N., and M. S. Gould, assignors to Automatic Developer, Los Angeles, Calif. Film developing machine. 2,491,981, Dec. 20.
- Jandasek, Joseph, Highland Park, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,464,088, Mar. 8.
- Jandasek, Vladimir J., assignor to Bendix Aviation Corporation, Detroit, Mich. Transmission. 2,480,933, Sept. 6.
- Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever structure. 2,467,557, Apr. 19.
- Jané, František, Mlada Boleslav, Czechoslovakia. Apparatus for printing on fabrics, paper, or the like. 2,485,289, Oct. 18.
- Janecky, Charles, M. I. Fillweber, and E. Bylund, assignors to John Oster Manufacturing Company, Racine, Wis. Centrifugal switch. 2,487,555, Nov. 8.
- James, Andrew J., Chicago, Ill. Floating brake shoe mounting. 2,484,410, Oct. 11.
- James, Ralph: *See*—
 Lombard, Adrian A., Oulianoff, and James.
- Janette, John T., Kenilworth, assignor to Janette Manufacturing Company, Chicago, Ill. Centrifugal switch. 2,473,998, June 21.
- Janette Manufacturing Company, assignee: *See*—
 Janette, John T.
- Jang, Rosie: *See*—
 Jansen, Eugene F., Jang, and MacDonnell.
 Lineweaver, Hans, Jang, and Jansen.
- Janisch, Bride, executrix: *See*—
 Janisch, Maximilian P.
- Janisch, Maximilian P., Milwaukee, Wis., B. Janisch and M. J. Hess, executrices of said M. P. Janisch, deceased. Minnow pail. 2,489,710, Nov. 29.
- Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,483,203, Sept. 27.
- Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Auxiliary paper feeding mechanism. 2,492,577, Dec. 27.

- Jankovich, Ivan, Kenosha, Wis. Pliers with detachable end jaws. 2,471,372, May 24.
- Jankowski, Vladimir, Detroit, Mich. Toolholder. 2,474,675, June 28.
- Jankura, Steven J., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Skeleton cord grip. 2,463,542, Mar. 8.
- Janney, Herman J., Opportunity, Wash. Incendiary tack. 2,466,707, Apr. 12.
- Jansa, Oscar V. E.: *See*—
Hjort, Carl I. F.
- Jansen, Eugene F.: *See*—
Lineweaver, Hans, Jang, and Jansen.
- Jansen, Eugene F., Berkeley, R. Jang, San Francisco, and L. R. MacDonnell, Oakland, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Isolation of acetylesterase from citrus waste. 2,458,171, Jan. 4.
- Jansen, Jacob E.: *See*—
Gresham, Thomas L., and Jansen.
- Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction products of thiuram disulfides alkylene imines. 2,460,581, Feb. 1.
- Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of bisphenols. 2,468,982, May 3.
- Jansen, Jacob E., and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta (heterocyclic-thio) carboxylic acid compounds. 2,483,416, Oct. 4.
- Janson, Gotthard, Jr., Lansing, Mich. Clamp. 2,465,378, Mar. 29.
- Janson, Gotthard, Jr., Lansing, Mich. Motion translating mechanism. 2,468,074, Apr. 26.
- Janssen, Johannes C., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising electrodes secured to rods. 2,458,945, Jan. 11.
- Janssen, Webster E., Bronxville, N. Y. Piano. 2,488,196, Nov. 15.
- Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas blast breaker having two tanks and a tank interconnecting valve. 2,491,112, Dec. 13.
- Jantzen Knitting Mills, assignee: *See*—
Wittenberg, Margaret H.
- Janzer, Lorin H.: *See*—
Urschel, Bertis H., and Janzer.
- Japikse, Bertrand, Reifton, assignor to Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa. Press mechanism. 2,481,670, Sept. 13.
- Japs, Archie B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Drying polymeric materials. 2,460,582, Feb. 1.
- Jardine, Ray, Glenside, Pa., assignor to The Electric Storage Battery Company. Storage battery plate and retainer construction. 2,490,630, Dec. 6.
- Jarme, Carl G., Finspong, Sweden. Rotary cylinder compressor. 2,479,117, Aug. 16.
- Jarnagin, William M., assignor to Attapulugus Clay Company, Philadelphia, Pa. Decolorization of petrolatum stocks. 2,476,417, July 19.
- Jaros, John: *See*—
Klein, William, and Jaros.
- Jarrell, Lemuel P., Huntington Park, Calif. Exercising device. 2,463,277, Mar. 1.
- Jarrett, Samuel D., Duncan, Okla. Wheel spacer for tractors. 2,461,983, Feb. 15.
- Jarvis, Charles W., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Generator. 2,460,790, Feb. 1.
- Jarvis & Jarvis, Inc., assignee: *See*—
Scudder, Eliot R.
- Jarvis, Thomas F.: *See*—
Pettengill, George D., Jarvis, and Fader.
- Jasco, Incorporated, assignee: *See*—
Evans, Hector C., and Young.
- Lighthown, Irving E., and Beekley.
Smyers, William H.
Sparks, William J., Gleason, and Frolich.
- Joseph, Lawrence F., assignor to Rotary Lift Company, Memphis, Tenn. Elevator guide device. 2,489,140, Nov. 22.
- Jasin, Raymond, assignee: *See*—
Jasinski, Walter.
- Jasin, Robert, assignee: *See*—
Jasinski, Walter.
- Jasinski, Anna, assignee: *See*—
Jasinski, Walter.
- Jasinski, Walter, assignor of one-third to A. Jasinski, one-third to Robert Jasin, and one-third to Raymond Jasin, Grand Junction, Mich. Folding bed. 2,470,930, May 24.
- Jaskala, Louie C., San Francisco, Calif. Signaling device for mailboxes. 2,469,558, May 10.
- Jaske, Ted A., Chicago, Ill. Thread cutter for thimbles. 2,475,324, July 5.
- Jaske, Theodore A., Chicago, Ill. Combined fish line float, rod tip, and hook protector. 2,491,182, Dec. 13.
- Jaskiewicz, Edward J.: *See*—
Bauerlein, Carl C., and Jaskiewicz.
- Jasper, Thomas M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Manufacture of multilayer cylinder for high-pressure vessels. 2,480,369, Aug. 30.
- Jasse, Joseph R., assignor to Etablissements Edgar Brandt, Paris, France. Mortar. 2,477,253, July 26.
- Jatul, Bernard B.: *See*—
Wilcox, Paul W., and Jatul.
- Jauss, Carlos L., New York, N. Y. Terminal means for electrical devices. 2,459,943, Jan. 25.
- Jauss, Carlos L., New York, N. Y. Brush holder. 2,468,631, Apr. 26.
- Jauss, Carlos L., New York, N. Y. Electric arc discharge circuits for illuminating devices. 2,482,277, Sept. 20.
- Javorsky, Serge: *See*—
Fluchaire, Maurice L. A., and Javorsky.
- Jaworowski, Joseph F., Cleveland, and N. Jaworowski, Lakewood, Ohio. Boring tool. 2,483,096, Sept. 27.
- Jaworowski, Norbert: *See*—
Jaworowski, Joseph F., and N.
- Jaworski, Leonard A., Philadelphia, and J. Clutcher, Upper Darby, Pa. Battery filling and ventilating system. 2,480,861, Sept. 6.
- Jayle, Gaetan J.-E., New York, N. Y. Cutting instrument particularly useful in connection with corneal grafting. 2,480,737, Aug. 30.
- Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, and K. G. Noland, Noroton Heights, Conn., assignors to American Cyanamid Company, New York, N. Y. Plant growth compositions. 2,468,075, Apr. 26.
- Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Reacting dicyandiamide and aniline. 2,482,710, Sept. 20.
- Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Rubber-like cured polyesters and preparing same. 2,489,711, Nov. 29.
- Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Rubber-like cured polyester-polyamides and process of producing same. 2,490,002, Nov. 29.
- Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Leather-like polyester-polyamides and producing same. 2,490,003, Nov. 29.
- Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Leather-like polyester-polyamides and producing same. 2,490,004, Nov. 29.
- Jayne, David W., Jr., Old Greenwich, H. M. Day, Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Plasticized leatherlike polyester-polyamides and producing same. 2,490,005, Nov. 29.
- Jaynes, Edwin T.: *See*—
Harrison, Arthur E., and Jaynes.
- Jaynes, Edwin T., Garden City, N. Y., assignor to The Sperry Corporation. Thermally actuated frequency control. 2,477,616, Aug. 2.
- Jaynes, Hal B., Lenoir, N. C. Automobile lighting circuit. 2,480,370, Aug. 30.
- Jazwieck, Joseph J., Columbus, Nebr. Fire escape control mechanism. 2,473,205, June 14.
- Jean, Charles A., assignee: *See*—
Stroh, Victor.
- Jean, Mrs. Charles W., assignee: *See*—
Stroh, Victor.
- Jean, Gerald L., Wells Beach, Maine. Drawing board. 2,484,294, Oct. 11.
- Jean, Ralph N., assignee: *See*—
Stroh, Victor.
- Jeanne, Paul A., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object locator system. 2,475,707, July 12.
- Jeanne, Paul A., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray tube circuit. 2,492,700, Dec. 27.
- Jeanneret, Henri, La Chaux-de-Fonds, Switzerland. Watch movement. 2,464,316, Mar. 15.
- Jeffers, Walter M., assignor to Crouse-Hinds Company, Syracuse, N. Y. Control apparatus for traffic signaling systems. 2,459,429, Jan. 18.
- Jeffers, Walter M., assignor to Crouse-Hinds Company, Syracuse, N. Y. Maintaining motors in predetermined angular relation. 2,476,873, July 19.
- Jefferson Electric Company, assignee: *See*—
Grout, Martin B.
Mauerer, Leopold.
Rickmeyer, Ernst W.
Sliwiak, Walter.
- Jefferson Island Salt Company, assignee: *See*—
Black, Arthur F.
- Jefferson Standard Broadcasting Company, assignee: *See*—
Buff, Christopher.

- Jeffrey, John H., Cobham, assignor to Combined Optical Industries, Limited, Slough, England. Grinding of lenses or of dies therefor. 2,458,384, Jan. 4.
- Jeffrey Company, The, assignee: *See*—
Francis, Earle V.
Hittson, Harker H.
Lindsay, James R.
- Jeffrey, Florence H. C., executrix: *See*—
Jeffrey, Robert K.
- Jeffrey, George A., Salem, Va., assignor to N. Littell, New Canaan, Conn. Production of yeast and vitamin concentrates from cultured material. 2,480,738, Aug. 30.
- Jeffrey Manufacturing Company, The, assignee: *See*—
Bauroth, Walter J.
Bird, Byron M.
Collins, Raymond R., and Mercier.
Holt, Arthur D.
Jeffrey, Robert K.
Knight, Lloyd K.
Lee, Arthur L.
Lemmon, Alexis W., and Strawn.
Mercier, Stanley M.
Puchstein, Albert F.
Strawn, Orval R.
Todd, Francis C.
Wright, Fred J.
- Jeffrey, Max L., Cleveland, Ohio. Quick action switch. 2,459,077, Jan. 11.
- Jeffrey, Max L., Shaker Heights, Ohio. Shock absorbent stop for solenoids. 2,459,078, Jan. 11.
- Jeffrey, Robert K., deceased, by F. H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic system for controlling the operation of rotary hydraulic motors. 2,461,116, Feb. 8.
- Jeffrey, Robert K., deceased, by F. H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Fluid actuated control mechanism. 2,483,343, Sept. 27.
- Jeffrey, Steve, Oakland, Calif. Pintle structure. 2,477,877, Aug. 2.
- Jeffreys, Luther P., Fort Worth, Tex. Combination bracket. 2,480,027, Aug. 23.
- Jeffreys, Luther P., Fort Worth, Tex. Combination shade and curtain bracket. 2,486,951, Nov. 1.
- Jeffries, John J., and A. A. Meisel, Baltimore, Md. Animated signal. 2,483,463, Oct. 4.
- Jeffries, Samuel B.: *See*—
Stautzenberger, Adin L., and Jeffries.
- Jefts, Albert W., and J. A. Schmidlein, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of ethylene cyanohydrin. 2,459,430, Jan. 18.
- Jelinek, Alfred F., assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Die casting machine. 2,485,290, Oct. 15.
- Jelley, Cleveland H., Detroit, Mich. Internal-combustion engine. 2,474,631, June 28.
- Jelley, Edwin E., and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Silver halide photographic emulsion with developer and color coupler dispersed therein. 2,478,400, Aug. 9.
- Jellinek, George: *See*—
Fluss, Felix F., and Jellinek.
- Jellinek, Joseph H.: *See*—
Keenan, Henry W., and Jellinek.
- Jellison, Robert, San Diego, Calif. Latch construction. 2,476,734, July 19.
- Jencks, Charles D., Bristol, assignor, by mesne assignments, to The Werdna Company, Bristol Highlands, R. I. Winding machine. 2,463,773, Mar. 8.
- Jencks, Charles D., Bristol, assignor, by mesne assignments, to The Werdna Company, Bristol Highlands, R. I. Winding machine. 2,466,109, Apr. 5.
- Jencks, Charles D., Bristol, assignor, by mesne assignments, to The Werdna Company, Bristol Highlands, R. I. Winding machine. 2,486,031, Oct. 25.
- Jencks, Charles D., Bristol, R. I., and R. H. Lawson, Lakeport, N. H., assignors to Walter Kidde & Company, Inc., Belleville, N. J. Winding machine. 2,459,167, Jan. 18.
- Jencks, Hollis W., assignor to C. C. Cleverdon, doing business as Detroit Coil Company, Detroit, Mich. Solenoid with plunger. 2,466,592, Apr. 5.
- Jendresen, Carl J., Mission, Tex. Hydraulic transmission. 2,466,431, Apr. 5.
- Jenison, Edward T., San Antonio, Tex. Optometrist rule. 2,463,694, Mar. 8.
- Jenkins, Albert W., New York, N. Y. Picnic set. 2,470,492, May 17.
- Jenkins, Cecil: *See*—
Woolslayer, Homer J., Campbell, and Jenkins.
Woolslayer, Homer J., and Jenkins.
Woolslayer, Homer J., Jenkins, and Luttgen.
- Jenkins, Chester P.: *See*—
Troller, Theodor H., and Jenkins.
- Jenkins, David M., Jr.: *See*—
McLean, Earle R., and Jenkins.
- Jenkins, Felton S.: *See*—
Dimmick, Howard S., and Jenkins.
- Jenkins, Felton S., Philadelphia, Pa., assignor, by mesne assignments, of one-third to A. P. Gates, Vienna, Va. Electric pump. 2,465,688, Mar. 29.
- Jenkins, Frederick S.: *See*—
Lawson, Wilfred G., and Jenkins.
- Jenkins, George F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,487,556, Nov. 8.
- Jenkins, Harold F., assignor of one-half to W. H. Jenkins, Elmira, N. Y. Vehicle antenna. 2,478,273, Aug. 9.
- Jenkins, Henry G.: *See*—
Breadner, Robert L., Jenkins, and Simms.
- Jenkins, John B., Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis. Bellows seal. 2,464,136, Mar. 8.
- Jenkins, John, La Grande, Oreg. Ladder for hanging paper. 2,471,110, May 24.
- Jenkins, Joseph W., Toronto, Ontario, Canada. Hand-operated loom. 2,483,642, Oct. 4.
- Jenkins, O. J., assignee: *See*—
Chancellor, William A.
- Jenkins, Paul W.: *See*—
Singleton, Fred G., and Jenkins.
- Jenkins, Robert S., Fort Wayne, Ind., assignor to General Electric Company. Commutator for dynamoelectric machine. 2,466,433, Apr. 5.
- Jenkins, Robert S., Lansing, Mich., assignor to General Electric Company. Making a commutator. 2,466,432, Apr. 5.
- Jenkins, Russell L., Anniston, Ala., assignor to Monsanto Chemical Company. Separation of diphenylbenzene isomers by distillation and crystallization. 2,489,215, Nov. 22.
- Jenkins, Samuel J., Waxahachie, Tex. Poke. 2,465,455, Mar. 29.
- Jenkins, Samuel M., Jr., East St. Louis, Ill., assignor of one-third to J. N. La Velle, Kirkwood, Mo.; G. F. Le Velle, executrix of said J. N. La Velle, deceased, assignor of one-third to G. F. La Velle. Oil burner with steam cleaning means. 2,479,166, Aug. 16.
- Jenkins, Spurgeon, Llandaff, England. Adjusting device for brake shoes of expander brakes. 2,490,135, Dec. 6.
- Jenkins, Stanley, Utica, N. Y. Holder for processing photographic pack and sheet films. 2,489,892, Nov. 29.
- Jenkins, Sydney: *See*—
Dart, Rodger W., and Jenkins.
- Jenkins, Wayne E., and T. H. Thiele, Los Angeles, Calif., assignors, by mesne assignments, to C. I. T. Corporation. Thermostat adjustment indicator. 2,483,731, Oct. 4.
- Jenkins, Wesley R., Whiting, Ind., assignor to Carnegie-Illinois Steel Corporation. Running rope lubricator. 2,471,036, May 24.
- Jenkins, Weston H., assignee: *See*—
Jenkins, Harold F.
- Jenkins, William L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for producing hollow articles of rubbery materials. 2,482,418, Sept. 20.
- Jenkins, William L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making tubing and apparatus therefor. 2,491,048, Dec. 13.
- Jenkinson, Robert L., assignor to The Marlin Firearms Co., New Haven, Conn. Trigger-locking means. 2,487,971, Nov. 15.
- Jenks, Frederic A., Rockville Centre, N. Y., assignor to The Sperry Corporation. Formation control. 2,476,301, July 19.
- Jenne, Ralph W., Lake Worth, Fla. Cutting attachment for dragline buckets. 2,480,656, Aug. 30.
- Jenness, Edwin H., Shaker Heights, Ohio. Collapsible dish draining rack. 2,479,118, Aug. 16.
- Jenness, Langdon M., Palos Heights, Ill., assignor to Worth Insulation & Mfg. Co. Inc. Storm window assembly. 2,458,385, Jan. 4.
- Jenness, Leslie G., Buffalo, N. Y., assignor to The Linde Air Products Company. Manganate type contact mass and production thereof. 2,486,530, Nov. 1.
- Jennewein, Charles V., Cincinnati, Ohio. Combination clothesline post. 2,482,851, Sept. 27.
- Jenney, Frank J., New York, N. Y., and E. W. Riblett, Tenafly, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Synthesizing hydrocarbons. 2,474,845, July 5.
- Jennings, Alfred J., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated cotton fabric. 2,477,336, July 26.
- Jennings, Alvin A., Lebanon, assignor to Rice-Stix Dry Goods Company, St. Louis, Mo. Sewing machine. 2,470,931, May 24.
- Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic plural emulsion layer stripping film. 2,462,503, Feb. 22.
- Jennings, Augustus E., Peoria, Ill., assignor to E. L. Jennings, Mooresville, Ind. Friction brake. 2,487,711, Nov. 8.
- Jennings, Charles H.: *See*—
Steinert, Emil F., and Jennings.
- Jennings, Charles H., Forest Hills, and E. R. Gamberg, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protecting metal surfaces during soldering and brazing processes. 2,473,887, June 21.
- Jennings, Edgar L., assignee: *See*—
Jennings, Augustus E.

- Jennings, Edward O., Philadelphia, Pa. Yarn inspecting device. 2,490,134, Dec. 6.
- Jennings, Harley Y., Clio, assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing container. 2,484,832, Oct. 18.
- Jennings, Harry C.: *See—*
Everest, Herbert A., and Jennings.
- Jennings, Irving C., South Norwalk, Conn. Pump. 2,470,563, May 17.
- Jennings, James T., Jr.: *See—*
Bradley, Leon H., and Jennings.
- Jennings, La Ville R., and F. T. Fish, Owosso, Mich. Puller. 2,486,851, Nov. 1.
- Jennings, O. D., & Company, assignee: *See—*
Mihalek, Emery.
Mihalek, Emery, and Szyper.
- Jennings, Robert E., and H. K. Snyder, Reno, Nev. Dip net. 2,486,163, Oct. 25.
- Jennings, Wendell W., San Francisco, Calif. Measuring cup. 2,478,272, Aug. 9.
- Jenny, Alfred L.: *See—*
Hannon, Cyril H., and Jenny.
- Jenny, Cletus J., Clifton, and T. F. Pryor, III, Upper Montclair, assignors to Bendix Aviation Corporation, Teterboro, N. J. Electric regulator with diaphragm type spring. 2,481,752, Sept. 13.
- Jenny, Robert W., East Paterson, N. J., assignor to Curtiss-Wright Corporation. Helicopter engine suspension. 2,461,422, Feb. 8.
- Jenny, Robert W., East Paterson, N. J., assignor to Curtiss-Wright Corporation. Jet-propelled lift rotor. 2,466,813, Apr. 12.
- Jensen, Arthur: *See—*
Karlsson, Per H., and Jensen.
- Jensen, Charles A., Buffalo, N. Y. Cleaning, penetrating, and corrosion loosening composition. 2,472,298, June 7.
- Jensen, Clarence F., assignor to Webster Electric Company, Racine, Wis. Tone arm and pickup assembly. 2,475,785, July 12.
- Jensen, Ernest P., Royal Oak, Mich. Height gauge scriber. 2,491,612, Dec. 20.
- Jensen, Evan A., Westchester, and W. Wilkinson, assignors to United Air Lines, Inc., Chicago, Ill. Method and tool for tuning closely coupled circuits. 2,489,645, Nov. 29.
- Jensen, Evan A., Westchester, and K. J. Rhead, La Grange, assignors to United Air Lines, Inc., Chicago, Ill. Radio-wire communication system. 2,490,061, Dec. 6.
- Jensen, Hans, Arlington Heights, assignor to Modern Design Products Company, Chicago, Ill. Bearing seal. 2,463,695, Mar. 8.
- Jensen, Hans E. T., Los Angeles, Calif. Dental hand piece. 2,471,526, May 31.
- Jensen, Herman G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Selector for automatic phonographs. 2,489,782, Nov. 29.
- Jensen, Howard M., Halesite, and R. W. Bridges, Farmingdale, N. Y. Clothesline tightener. 2,460,640, Feb. 1.
- Jensen, Harry T., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Slip-ring structure. 2,473,147, June 14.
- Jensen, James A., Haverford, assignor to Philadelphia Valve Company, Philadelphia, Pa. Coupling for hoses and the like. 2,460,352, Feb. 1.
- Jensen, James A., Haverford, assignor to Philadelphia Valve Company, Philadelphia, Pa. Pipe closure and fastening means therefor. 2,465,727, Mar. 29.
- Jensen, James L., Cowley, Wyo. Hammer wedge. 2,463,973, Mar. 8.
- Jensen, John, Chatsworth, Ill. Hobbyhorse. 2,473,649, June 21.
- Jensen, Joseph W., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Constant reference point manometer. 2,458,783, Jan. 11.
- Jensen, Levi B., Salt Lake City, Utah. Pivoted inner jaw pipe wrench. 2,463,774, Mar. 8.
- Jensen, Louis, Chicago, Ill., assignor to United Autographic Register Co. Carbon supply device for writing machines. 2,467,135, Apr. 12.
- Jensen Manufacturing Company, assignee: *See—*
Knowles, Hugh S.
- Jensen, Martin, New York, N. Y., assignor to Helicopters, Inc. Power-transmission means. 2,465,538, Mar. 29.
- Jensen, Otto, Malvern, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Low-voltage rectifier protection. 2,471,216, May 24.
- Jensen Otto, Malvern, and H. C. Graves, Jr., West Chester, assignors to I-T-E Circuit Breaker Corporation, Philadelphia, Pa. Timing device. 2,486,602, Nov. 1.
- Jensen, Ralph W., assignee: *See—*
Zackerson, Victor E.
- Jensen, Thomas F. M., Amsterdam, N. Y. Clothesline. 2,475,325, July 5.
- Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. End-labeling attachment. 2,482,711, Sept. 20.
- Jensky, Clarence F., assignor to Technical Products Co., Palo Alto, Calif. Frozen food chest for mechanical refrigerators. 2,488,197, Nov. 15.
- Jensky, Clarence F., Palo Alto, and Y. L. Williams, Santa Clara, assignors to Technical Products Co., Palo Alto, Calif. Portable food storage compartment for mechanical refrigerators. 2,488,198, Nov. 15.
- Jenson, Kenneth S., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Oil pilot device for tray type oil burners. 2,482,912, Sept. 27.
- Jenson, Wilbur C., Seattle, Wash. Swather. 2,492,223, Dec. 27.
- Jeppson, Morris R., U. S. Army. Self-propelled projectile for distributing materials. 2,476,302, July 19.
- Jeppson, Thelma W., Los Angeles, Calif. Facial hydrotherapeutic device. 2,469,771, May 10.
- Jerabek, Robert D.: *See—*
Schulman, Earl L., and Jerabek.
- Jernigan, Charlie: *See—*
Ownbey, Laborn F., and Jernigan.
- Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Etching method. 2,462,197, Feb. 22.
- Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plating. 2,468,825, May 3.
- Jernstedt, George W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective phosphate coatings for metal surfaces. 2,462,196, Feb. 22.
- Jernstedt, George W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cleaning and activating compositions and use thereof in producing protective phosphate coatings on metal surfaces. 2,490,062, Dec. 6.
- Jernstedt, George W., and M. Ceresa, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating nickel and cobalt with periodic reverse current. 2,470,775, May 24.
- Jerome, Arthur L.: *See—*
Johnston, Allan T., and Jerome.
- Jerome, Chester W., Detroit, Mich. Bowling ball insert. 2,469,268, May 3.
- Jerome, Ivan, Massapequa, N. Y. Universal motion and still picture camera. 2,472,299, June 7.
- Jerome, Jack, Little Neck, assignor, by mesne assignments, to Manning, Maxwell, and Moore, Inc., New York, N. Y. Valve. 2,486,164, Oct. 25.
- Jerrells, George W., Seattle, Wash. Scraper sharpener. 2,482,419, Sept. 20.
- Jeschke, Ernest, Syracuse, N. Y. Intermittent clutch. 2,485,738, Oct. 25.
- Jesclard, Robert, assignee: *See—*
Peeler, Daniel J.
- Jeske, Martin R., Long Beach, Calif. Shaft packing. 2,475,967, July 12.
- Jessen, Le Roy S., Dayton, Ohio. Target exchanger. 2,460,294, Feb. 1.
- Jessen, Le Roy S., Dayton, Ohio. Aerial tow target. 2,487,055, Nov. 8.
- Jessen, Le Roy S., Dayton, Ohio. Tow target exchange device. 2,492,154, Dec. 27.
- Jessen, Nicholas C.: *See—*
Kerr, Howard J., Carpenter, Armstrong, and Jessen.
Kerr, Howard J., Carpenter, Armstrong, Jr., and Jessen.
- Jessop, Stuart M., Baltimore, Md. Filling machine for gas mask canisters. 2,468,076, Apr. 26.
- Jessup, Alfred C.: *See—*
Ball, Charles J. P., and Jessup.
- Jet-Heat, Inc., assignee: *See—*
MacCracken, Calvin D.
- Jewell, Raymond L., assignor to American Sterilizer Company, Erie, Pa. Sterilizer construction. 2,470,776, May 24.
- Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Adjustable strength permanent magnet. 2,479,363, Aug. 16.
- Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Self-positioning circuit balancing telemeter receiver. 2,484,569, Oct. 11.
- Jewell, William R., Erie, Pa., assignor to General Electric Company. Adjustable shelf. 2,465,806, Mar. 29.
- Jewett, Donald R., Worcester, Mass. Tie rack. 2,485,201, Oct. 18.
- Jillson, David C.: *See—*
Anderson, Edmund A., and Jillson.
- Jillson, Lyman W., Detroit, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Rotary drier seal. 2,473,710, June 21.
- Jimenez, Joseph J., New York, N. Y. Silent typewriter base. 2,486,032, Oct. 25.
- Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Retainer. 2,474,360, June 28.
- Jinkins, William I., Catlin, Ill. Artificial limb. 2,486,746, Nov. 1.
- Jirsa, Emil F.: *See—*
Worthington, Wayne H., and Jirsa.
- Joa, Curt G., Sheboygan Falls, Wis. Chain conveyer. 2,466,240, Apr. 5.
- Joa, Curt G., Sheboygan Falls, Wis. Sanitary napkins and fastening anchorage loops thereto. 2,481,929, Sept. 13.
- Jobe, John R., Houston, Tex. Pipe perforator. 2,482,913, Sept. 27.

- Jobling, James A., & Co., Ltd., assignee: *See*—
Everett, Samuel J.
- Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Injector mechanism for molding machines. 2,461,282, Feb. 8.
- Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Injection molding machine. 2,470,402, May 17.
- Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Injector for molding machines. 2,476,550, July 19.
- Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Molding machine. 2,484,712, Oct. 11.
- Jocelyn, Douglas L., Detroit, Mich. Ice tray. 2,459,168, Jan. 18.
- Jocelyn, Douglas L., Detroit, Mich. Making molds. 2,479,364, Aug. 16.
- Jochim, Helmer R., assignor to Rite-Rite Manufacturing Company, Downers Grove, Ill. Screw feed mechanical pencil with friction brake. 2,482,852, Sept. 27.
- Jochimsen, Herman: *See*—
Prager, Charles W., Blum, and Jochimsen.
- Jock, Fred H.: *See*—
Peterson, Harold R., and Jock.
- Jockers, Harry W., Philadelphia, Pa., assignor of one-half to A. D. Clair, East Orange, N. J. Gravity controlled liquid applying device. 2,485,494, Oct. 18.
- Joe, Peter, Sr., Crenshaw, Miss. Dress waist and dress skirt ensemble. 2,490,156, Dec. 6.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call failure signaling arrangement. 2,465,539, Mar. 29.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,481,221, Sept. 6.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling line and party identification in automatic telephony. 2,490,441, Dec. 6.
- Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Connector control system. 2,491,377, Dec. 13.
- Joerren, Ernest A., Brooklyn, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid pressure medium dispensing system. 2,482,778, Sept. 27.
- Joesting, Frederick D., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pneumatic lockout circuit. 2,467,357, Apr. 12.
- Joffe, Philip, New York, N. Y., assignor, by mesne assignments, of fifty per cent to S. Joffe and fifty percent to P. M. Joffe, both of Paterson, N. J. Preserving flowers and foliage. 2,464,512, Mar. 15.
- Joffe, Philip M., assignee: *See*—
Joffe, Philip.
- Joffe, Sidney, assignee: *See*—
Joffe, Philip.
- Jogwick, Walter E., Parkersburg, and E. H. McLaughlin, Vienna, W. Va. Tray table. 2,459,529, Jan. 18.
- Jogwick, Walter E., Parkersburg, and E. H. McLaughlin, Vienna, W. Va. Tray-table. 2,481,117, Sept. 6.
- Johanek, George J.: *See*—
Willing, Joseph E., and Johanek.
- Johannessen, Magnus K., Bergen, Norway. Automatic scale for the weighing of poured-out substances. 2,491,049, Dec. 13.
- Johannsen, Udo K., assignor to Brewer-Titchener Corporation, Cortland, N. Y. Folding support for ironing boards and the like. 2,474,107, June 21.
- Johannson, Oscar K., assignor to Corning Glass Works, Corning, N. Y. Compositions for the preparation of heat resistant insulating materials, particularly in the form of independent films. 2,463,974, Mar. 8.
- Johannson, Oscar K., assignor to Corning Glass Works, Corning, N. Y. Heat-resistant insulating materials. 2,466,434, Apr. 5.
- Johansen, Johan E.: *See*—
Mackey, William H., and Johansen.
- Johansen, John, assignee: *See*—
Burritt, Burnell O.
- Johansen, John V., and C. C. Westergaard, Chicago, Ill.: said Westergaard assignor to said Johansen. Control mechanism for decorticating machines. 2,463,278, Mar. 1.
- Johanson, Alf: *See*—
Swenson, Carl O., and Johanson.
- Johanson, John E., Boonton, and W. A. Yonkers, Montville, N. J., assignors to Radio Frequency Laboratories, Inc. Seal nut. 2,462,023, Feb. 15.
- Johansson, Erik J., Bengtsbo, Brickegarden, Karlskoga, Sweden. Chuck. 2,466,315, Apr. 5.
- Johansson, Erik J., Bengtsbo, Brickegarden, Karlskoga, Sweden. Quick grip chuck. 2,476,874, July 19.
- Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Current distribution panel. 2,473,685, June 21.
- Johansson, Ernst E. Å.: *See*—
Andersson, Sven G., and Johansson.
- Johansson, Ernst E. Å., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Contact device. 2,490,631, Dec. 6.
- Johansson, Johan E., assignor to Aktiebolaget Götaverken, Göteborg, Sweden. Internal-combustion engine plant, including a scavenging compressor driven by an exhaust gas turbine. 2,470,702, May 17.
- Johansson, Martin L., Enskede, assignor to Injector Company Aktiebolag, Stockholm, Sweden. Fuel injection pump. 2,482,733, Sept. 20.
- Johansson, Nils G. E., Örfors, Sweden. Apparatus for cutting fingernails. 2,467,589, Apr. 19.
- John, Eugene A.: *See*—
John, Hazel E., and E. A.
- John, Hanns, assignor to Naamlooze Vennootschap Noury & van der Lande's Exploitiemaatschappij, Deventer, Netherlands. Improving the baking quality of flour, especially wheat flour. 2,491,408, Dec. 13.
- John, Harry J., Philadelphia, Pa. Spray trap. 2,458,909, Jan. 11.
- John, Hazel E. and E. A., Seattle, Wash. Article of furniture. 2,481,671, Sept. 13.
- John, Paul E.: *See*—
Auer, William and J.
- John, Robert S., Waukegan, Ill., assignor to Pfanstiehl Chemical Company. Electric translating device. 2,492,429, Dec. 27.
- Johns, Clair M.: *See*—
Eastman, Sidney L., and Johns.
- Johns, Don F., Huntington Beach, assignor to Byron Jackson Co., Vernon, Calif. Apparatus for handling well pipe. 2,474,846, July 5.
- Johns, Harold A., assignor to Imengineering Corporation, Chicago, Ill. Ladder. 2,469,559, May 10.
- Johns, Harry W., Beverly Hills, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Dump car. 2,471,874, May 31.
- Johns, Iral B., assignor to Iowa State College Research Foundation, Ames, Iowa. Preparing an elastomer. 2,458,001, Jan. 4.
- Johns, Iral B., Ames, Iowa, and L. W. Burnette, Easton, Pa., assignors to Iowa State College Research Foundation, Ames, Iowa. Method of producing methylfuran. 2,458,857, Jan. 11.
- Johns-Manville Corporation, assignee: *See*—
Colton, Dudley T., and Barbehenn, Cummins, Arthur B.
De Vyver, Cornelius A.
De Witt, Walter M., Sr., and Cumming, Ferguson, John H.
Koehne, Frank J.
Mackey, William H., and Johansen.
Modigliani, Piero, and Holcomb.
Poltorak, Emil J.
Quinn, Robert G., and Harkness.
Rinehart, Evan.
Rowe, William L.
Slack, Robert E., and Hedges.
Van Cleef, Paul.
Ximenez, Manuel R., Ferguson, and Bunce.
- Johns, S. W., assignee: *See*—
Schulze, John J.
- Johns, Vernon N., Fort Worth, Tex. Fishing rod holder. 2,481,118, Sept. 6.
- Johnson, Agnar, Rockford, Ill. Convertible coaster wagon. 2,458,080, Jan. 4.
- Johnson, Alan W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of 3-tetrahydrofuranone. 2,468,881, May 3.
- Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Control mechanism for honing machines. 2,479,622, Aug. 23.
- Johnson, Alberta, Old Westbury, N. Y. Animal toilet fixture. 2,464,580, Mar. 15.
- Johnson, Alexander, assignor to Land O'Lakes Creameries, Inc., Minneapolis, Minn. Machine for cooling cream. 2,480,583, Aug. 30.
- Johnson, Alexander H., Oak Park, Ill., assignor of one-half to F. T. Johnson, Milwaukee, Wis. Container. 2,483,464, Oct. 4.
- Johnson, Alfred C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Tractor power plant and drive wheel unit. 2,457,821, Jan. 4.
- Johnson, Alfred R.: *See*—
Bogrown, Alexander, and Johnson.
Doggett, Roger H., and Johnson.
- Johnson, Alpheus D., assignor to K. R. Wingrove, Jr., Ann Arbor, Mich. Magazine film holder for cameras. 2,463,878, Mar. 8.
- Johnson, Alvin N., assignor to J. & L. Tool & Findings Co., Attleboro, Mass. Bracket bending machine with work clamping device and arbor. 2,465,101, Mar. 22.
- Johnson, Andrew N., Rushville, Nebr. Curb-type bridle bit. 2,488,977, Nov. 22.
- Johnson, Anton W., Masson, Quebec, Canada. Doctor operating mechanism. 2,474,052, June 21.
- Johnson, Arnold E. W., Oak Park, Ill. assignor to International Harvester Company. Centrifugal separator bowl valve. 2,468,632, Apr. 26.
- Johnson, Arnold E. W., Oak Park, and C. F. Crumb, deceased, Clarendon Hills, by H. K. Crumb, administratrix, Clarendon Hills, Ill., assignors to International Harvester Company. Harvester. 2,488,543, Nov. 22.
- Johnson, Arnold N.: *See*—
Sconce, James S., and Johnson.
Sconce, James S., Rosenberg and Johnson.

- Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Drum type indicator alarm clock. 2,459,107, Jan. 11.
- Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,459,650, Jan. 18.
- Johnson, Arthur B., Berkeley, and J. T. Higgins, Richmond, assignors to California Research Corporation, San Francisco, Calif. Purification of carbonyl sulfide contaminated hydrocarbon gases. 2,484,381, Oct. 11.
- Johnson, Arthur D., Poway, assignor to Solar Aircraft Company, San Diego, Calif. Progressive die and making it. 2,465,019, Mar. 22.
- Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Refractory and making. 2,480,473, Aug. 30.
- Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Producing aluminum. 2,480,474, Aug. 30.
- Johnson, Arthur F., Cambridge, Mass., assignor to Reynolds Metals Company, Richmond, Va. Refractory. 2,480,475, Aug. 30.
- Johnson, Arthur K., Hawthorne, and H. B. Suhr, assignors to American Potash & Chemical Corporation, Trona, Calif. Manufacturing coarse granular potassium chloride. 2,470,822, May 24.
- Johnson, August, Seattle, Wash. Molding surface ornamented building blocks. 2,467,590, Apr. 19.
- Johnson, Ava J., Oakland, assignor to Shell Development Company, San Francisco, Calif. Apparatus and method for carrying out catalytic reactions. 2,472,254, June 7.
- Johnson, Ava J., and T. W. Rosebaugh, Oakland, assignors to Shell Development Company, San Francisco, Calif. Process and apparatus for refrigeration. 2,479,840, Aug. 23.
- Johnson & Bassett, Inc., assignee: *See*—
Eaton, Frank L., Jr., and Soderlund.
- Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator unit. 2,469,828, May 10.
- Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Condenser. 2,471,960, May 31.
- Johnson, Bennett M., Des Moines, Iowa. Hoist and tow mechanism. 2,481,223, Sept. 6.
- Johnson, Bertie J., San Luis Obispo, Calif. Lady's emblematic cap. 2,479,239, Aug. 16.
- Johnson, Bertram E., assignor to Winpower Mfg. Company, Newton, Iowa. Clothesline reel. 2,481,753, Sept. 13.
- Johnson, Carl E., St. Louis, Mich., assignor to Standard Oil Company, Chicago, Ill. Preparation of ketones by catalytic reaction of olefins and acid anhydrides. 2,458,603, Jan. 11.
- Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Start and stop control for phonographs. 2,477,130, July 26.
- Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,484,570, Oct. 11.
- Johnson, Carl K.: *See*—
Peterson, Arthur S., and Johnson.
- Johnson, Carl O., Springfield, and W. C. Burt, assignors to Clair Manufacturing Company, Inc., Olean, N. Y. Polishing and glazing machine. 2,458,708, Jan. 11.
- Johnson, Charles C., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bookbinding process. 2,483,465, Oct. 4.
- Johnson, Charles C., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stratified polyvinyl chloride films and making same. 2,491,923, Dec. 20.
- Johnson, Charles E., North Muskegon, assignor to Johnson Products, Inc., Muskegon Heights, Mich. Tappet construction. 2,468,332, Apr. 26.
- Johnson, Charles E., North Muskegon, assignor to Johnson Products, Inc., Muskegon Heights, Mich. Tappet holding wrench. 2,468,983, May 3.
- Johnson, Charles E., North Muskegon, assignor to Johnson Products, Inc., Muskegon Heights, Mich. Self-locking tappet screw. 2,473,752, June 21.
- Johnson, Charles F., assignor to Rittenhouse & Revere, Inc., Albuquerque, N. Mex. Therapeutic apparatus. 2,489,186, Nov. 22.
- Johnson, Charles M., Tacoma, Wash. Drawer construction. 2,488,916, Nov. 22.
- Johnson, Charles M., Burlington, N. C. Clutch pressure plate and flywheel refacing and honing tool. 2,491,565, Dec. 20.
- Johnson, Charles R., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Coagulation of synthetic rubber latex. 2,459,743, Jan. 18.
- Johnson, Charles R., Glenn Mills, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting cap. 2,477,453, July 26.
- Johnson, Charles W.: *See*—
Brown, Arthur R., Hucks, and Johnson.
- Johnson, Charles W., East Brunswick Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Low shrinking cellulosic repair putty. 2,461,900, Feb. 15.
- Johnson, Charles W., executor: *See*—
Stronach, Harry S., Emmons, and Dusil.
- Johnson, Charlie L., Alexandria, La. Landing gear stabilizing apparatus for aircraft. 2,489,417, Nov. 29.
- Johnson, Chester W., Bridgewater, assignor of one-half to L. M. Hess, Taunton, and one-fourth to E. D. Copeland, South Hanson, Mass. Nonstick roll contact for contact relays, circuit breakers, thermostats, and the like. 2,485,532, Oct. 18.
- Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Pump mechanism. 2,463,486, Mar. 1.
- Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Control system. 2,475,326, July 5.
- Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Separator trap. 2,487,876, Nov. 15.
- Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Apparatus for purifying and feeding sample gas. 2,489,893, Nov. 29.
- Johnson, Clarence A.: *See*—
Volkmann, Maurice C., and Johnson.
- Johnson, Clarence V., Yates Center, Kans. Child's foldable chair. 2,464,513, Mar. 15.
- Johnson, Claude U., Lakewood, Ohio. Stretcher device for shirt collars and the like. 2,481,016, Sept. 6.
- Johnson, Cleon R., Ridgewood, N. J. Activator for rubber accelerator. 2,462,832, Mar. 1.
- Johnson, Conrad C., Malin, Oreg. Dolly for truck wheels. 2,476,493, July 19.
- Johnson Corporation, The, assignee: *See*—
Monroe, Rollo O.
- Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Adjustable limit switch. 2,474,945, July 5.
- Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Push-pull switch. 2,489,185, Nov. 22.
- Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Means to hold an electric switch spindle in different axial positions. 2,491,315, Dec. 13.
- Johnson, Dorothy E., Sacramento, Calif. Educational toy. 2,459,321, Jan. 18.
- Johnson, Earl R.: *See*—
Cardwell, Harland W., Brown, and Johnson.
- Johnson, Earl S., and A. J. Anderson, assignors to Better-Bilt Manufacturing Company, Minneapolis, Minn. Ground leveling attachment for cultivators. 2,483,204, Sept. 27.
- Johnson, Edward H.: *See*—
Levetus, Francis B., and Johnson.
- Johnson, Edward H., Coventry, assignor to The Keelavite Company Limited, Allesley, Coventry, England. Compensating valve for fluid pressure systems. 2,458,386, Jan. 4.
- Johnson, Edward H., Westwood, assignor to Achorn Steel Company, Boston, Mass. Die stock. 2,491,665, Dec. 20.
- Johnson, Edward L., South Orange, assignor to The Palmot Company, Irvington, N. J. Organization having adjustable screw-threaded member. 2,468,333, Apr. 26.
- Johnson, Edwin, Springfield, Mass. Tray. 2,490,269, Dec. 6.
- Johnson, Ellis A., Chevy Chase, Md. Method and apparatus for detecting permeable bodies. 2,483,417, Oct. 4.
- Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Coupling device. 2,467,530, Apr. 19.
- Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Implement control device. 2,481,017, Sept. 6.
- Johnson, Ellwood M.: *See*—
Fuller, Everett W., and Johnson.
- Johnson, Elmer C., and J. E. Hagstrom, assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo. Bottle vending machine with magazine rotating on horizontal axis. 2,474,053, June 21.
- Johnson, Elmer M., Geneva, Ill. Picture hanger. 2,463,110, Mar. 1.
- Johnson, Elvira, Martinez, Calif. Knitting. 2,462,401, Feb. 22.
- Johnson, Eric G., Spalding, England. Heating and cooling system for horticultural houses and cloches. 2,473,589, June 21.
- Johnson, Eric J.: *See*—
Oehler, Alvin W., and Johnson.
- Johnson, Ernest W., Birmingham, assignor to Vandervell Products Limited, London, England. Shock absorber. 2,489,783, Nov. 29.
- Johnson, Ethel H., executrix: *See*—
Johnson, John.
- Johnson, Everard L., Patchogue, N. Y. High chair. 2,491,465, Dec. 20.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,464,812, Mar. 22.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis with fluidized catalyst regeneration. 2,472,427, June 7.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Conversion of hydrocarbons with suspended catalyst. 2,477,750, Aug. 2.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Apparatus for suspended catalyst operations. 2,477,751, Aug. 2.

- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Producing hydrogen-carbon monoxide gas mixtures. 2,482,187, Sept. 20.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion of hydrocarbons and apparatus therefor. 2,488,032, Nov. 15.
- Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,488,033, Nov. 15.
- Johnson, Everett A., Park Ridge, and S. B. Becker, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis. 2,460,508, Feb. 1.
- Johnson, Everett C., Chicago, Ill. Welding torch attachment. 2,483,545, Oct. 4.
- Johnson, Forrest A.: *See*—
Ljunggren, Thor H., and Johnson.
- Johnson, Frank, Bakersfield, Calif. Dental floss holder. 2,492,291, Dec. 27.
- Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cowl fastener device. 2,491,451, Dec. 13.
- Johnson, Franklin D., Battle Creek, Mich. Rotary disk type scraping brush head with removable radial blades. 2,480,739, Aug. 30.
- Johnson, Fred H., Pleasant Ridge, and C. F. Leathers; said Leathers, assignor to Progressive Welder Company, Detroit, Mich. Electric controller. 2,483,054, Sept. 27.
- Johnson, Fred W., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Air scoop. 2,465,728, Mar. 29.
- Johnson, Frederick H., Pleasant Ridge, Mich. Welding mechanism. 2,465,456, Mar. 29.
- Johnson, Frederick H., Pleasant Ridge, Mich. Welding mechanism. 2,481,844, Sept. 13.
- Johnson, Frederick O., Chicago, Ill. Control device. 2,482,487, Sept. 20.
- Johnson, Frederick O., Detroit, Mich. Dispensing machine. 2,478,401, Aug. 9.
- Johnson, Frederick T., assignee: *See*—
Johnson, Alexander H.
- Johnson, Frithiof V., Scotia, N. Y., assignor to General Electric Company. Sighting mechanism. 2,467,831, Apr. 19.
- Johnson, J. Garth, Bound Brook, N. J., assignor to Ortho Pharmaceutical Corporation. Trichomonadical therapeutic composition. 2,484,035, Oct. 11.
- Johnson, Gay F., Denver, Colo. Dog harness. 2,464,867, Mar. 22.
- Johnson, George, assignee: *See*—
Spicer, Manford, Jr.
- Johnson, George, Ironwood, Mich. Snow protector for skis. 2,458,602, Jan. 11.
- Johnson, George C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Resins from thiophene and turpentine. 2,490,270, Dec. 6.
- Johnson, George C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Making 2,5-dichlorothiophene. 2,492,644, Dec. 27.
- Johnson, George C., Woodbury, and B. W. Rope, Mullica Hill, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation. 2,469,335, May 3.
- Johnson, George C., and J. Kellett, III, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Condensation of aromatic hydrocarbons with terpenes. 2,487,338, Nov. 8.
- Johnson, George C., Woodbury, and J. W. Schick, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of thiophenecarboxylic acid. 2,492,645, Dec. 27.
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car truck side frame. 2,460,696, Feb. 1.
- Johnson, George T., Chicago, Ill. Light condenser for picture projection units. 2,462,749, Feb. 22.
- Johnson, George V., assignor to Hyster Corporation, Portland, Oreg. Load positioner. 2,479,623, Aug. 23.
- Johnson, Gerald C., Bronxville, and A. A. Perelman, Brooklyn, assignors to Lily-Tulip Cup Corporation, New York, N. Y. Dispenser for nested paper receptacles. 2,468,497, Apr. 26.
- Johnson, Gerald C., Bronxville, and A. A. Perelman, Brooklyn, N. Y., assignors to Lily-Tulip Cup Corporation. Holder for paper cups. 2,487,712, Nov. 8.
- Johnson, Gestur, Albany, and M. M. Boggs, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Cold processed fruit spread. 2,459,431, Jan. 18.
- Johnson, Gestur, Fort Collins, Colo., and D. G. Guadagni, Albany, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Treatment of fruits to prevent browning. 2,475,838, July 12.
- Johnson, Getty S., Charleston, W. Va. Rotary internal-combustion engine. 2,478,924, Aug. 16.
- Johnson, Glenn A.: *See*—
Perlow, Gilbert L., and Johnson.
- Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Casing head. 2,469,772, May 10.
- Johnson, Gordon, Company, assignee: *See*—
Johnson, Gordon W.
- Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry picking machine. 2,466,242, Apr. 5.
- Johnson, Gustav W., Brooklyn, N. Y. Cutting instrument. 2,466,898, Apr. 12.
- Johnson, Gustave P., Waukegan, Ill. Tension cushion. 2,468,558, Apr. 26.
- Johnson, Harold A., Milan, Ill. Welding electrode. 2,492,578, Dec. 27.
- Johnson, Harold E., assignor to Hercules Powder Company, Wilmington, Del. Separation of cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols. 2,459,432, Jan. 18.
- Johnson, Harold E., Wilmington, and H. M. Spurlin, Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Separation of cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols. 2,459,433, Jan. 18.
- Johnson, Harold G., Glendale, Mo., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitroamides of aromatic acids. 2,491,924, Dec. 20.
- Johnson, Harold I., Newport Beach, Calif. Propeller drive unit with automatic depth regulation. 2,479,119, Aug. 16.
- Johnson, Harold L., Chicago, Ill. Tree easel. 2,476,244, July 12.
- Johnson, Harold O., Ashton, Idaho. Reflecting bore sight. 2,475,618, July 12.
- Johnson, Harold R., Bayside, N. Y. Model airplane. 2,486,852, Nov. 1.
- Johnson, Harold R., Rockford, Ill. Clip for rubbing machines and the like. 2,477,807, Aug. 2.
- Johnson, Harwick: *See*—
Keizer, Eugene O., Johnson, Landon, and Harvey.
- Johnson, Harwick, and V. D. Landon, Princeton, N. J., and A. M. Wiggins, South Bend, Ind., assignors to Radio Corporation of America. Signaling. 2,482,914, Sept. 27.
- Johnson, Henry H., Glendale, Calif. Telemetric device. 2,459,704, Jan. 18.
- Johnson, Henry L., Montevideo, Minn. Flytrap. 2,478,104, Aug. 2.
- Johnson, Herbert C., Wilmette, Ill. Fruit juice extractor. 2,474,399, June 28.
- Johnson, Herbert H., Memphis, Tenn. Piston sleeve protection for brake cylinders. 2,486,787, Nov. 1.
- Johnson, Herbert L.: *See*—
Ritz, Bruce L., and Johnson.
- Johnson, Herbert L., Media, assignor to Sun Oil Company, Philadelphia, Pa. Dimerization of butadiene. 2,468,432, Apr. 26.
- Johnson, Herbert L., Peabody, Mass. Sheet metal working machine. 2,481,518, Sept. 13.
- Johnson, Herbert L., Racine, Wis. Combination drape and curtain fixture. 2,492,866, Dec. 27.
- Johnson, Herbert L., Racine, Wis. Window suspension means for Venetian blinds. 2,492,867, Dec. 27.
- Johnson, Howard A.: *See*—
Formo, Jerome L., Johnson, and Jacobson.
- Johnson, Howard R., Baltimore, Md. Device for expelling static charges from dielectrical substances. 2,473,751, June 21.
- Johnson, Howard R., Baltimore, Md. Microtome and electrostatic dispersal apparatus therefor. 2,473,753, June 21.
- Johnson, Howard L., Los Angeles, Calif. Electric plug loosener. 2,476,735, July 19.
- Johnson, Howard W., Seattle, Wash. Carrier shift keyer. 2,482,112, Sept. 20.
- Johnson, Ingolf B., Schenectady, N. Y., assignor to General Electric Company. Magneto. 2,460,130, Jan. 25.
- Johnson, Irwin E.: *See*—
Kremers, Harry C., and Johnson.
- Johnson, Ivar: *See*—
Siegman, Nicholas, and Johnson.
- Johnson, Jack, assignor to Lou-Son Development Co., Long Beach, Calif. Pulsation absorber. 2,489,491, Nov. 29.
- Johnson, James M.: *See*—
Bodkin, Ernest A., and Johnson.
Payne, John W., Johnson, and Bodkin.
- Johnson, James P., Cleveland, assignor to The Aro Equipment Corporation, Bryan, Ohio. Valve stop. 2,475,840, July 12.
- Johnson, James P., Shaker Heights, Ohio. Alternating piston pump. 2,465,878, Mar. 29.
- Johnson, James P., Shaker Heights, Ohio. Rotary pump stator. 2,470,987, May 24.
- Johnson, James P., Shaker Heights, Ohio. Rotary movable pump. 2,475,391, July 5.
- Johnson, James P., Shaker Heights, Ohio, assignor to The Aro Equipment Corporation. Relief valve. 2,481,018, Sept. 6.
- Johnson, James P., Shaker Heights, Ohio. Reciprocating vane rotary pump. 2,492,868, Dec. 27.
- Johnson, James P., Shaker Heights, Ohio. Oscillating abutment rotary pump. 2,492,869, Dec. 27.
- Johnson, James R., New London, Conn. Quilting machine. 2,483,466, Oct. 4.
- Johnson, James S., Pasadena, Calif. Fluid fuel burning floor furnace. 2,470,247, May 17.
- Johnson, James S., and K. L. Bedell, Los Angeles County, Calif.: said Bedell assignor to said Johnson. Register. 2,475,028, July 5.

- Johnson, James W., Highland Park, and D. Q. Park, Los Angeles, Calif. Egg candling machine of the power-driven type. 2,487,877, Nov. 15.
- Johnson, Jay D.: *See*—
Robinson, Ronald R., and Johnson.
- Johnson, Joel R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency induction brazing apparatus. 2,477,129, July 26.
- Johnson, Johan O. B., Elgin, Tex. Conductor's check holder. 2,492,480, Dec. 27.
- Johnson, John, Grand Forks, N. Dak. Pipe plug. 2,462,748, Feb. 22.
- Johnson, John, deceased, Morristown, by E. H. Johnson, executrix, assignor to J. E. Johnson, Morristown, N. J. Apparatus for charging or otherwise treating liquids with gases. 2,463,975, Mar. 8.
- Johnson, John, assignor to Combined Optical Industries Limited, Slough, England. Molding lenses and like optical elements. 2,473,588, June 21.
- Johnson, John, assignor to Combined Optical Industries Limited, Slough, England. Forming coated optical elements from polymerizable materials. 2,479,935, Aug. 23.
- Johnson, John A.: *See*—
Kyle, Anthony, and Johnson.
- Johnson, John A., Belleville, Ill. Holder for wallpaper cleaner. 2,475,027, July 5.
- Johnson, John A., Chicago, Ill. Fluid lens construction. 2,490,873, Dec. 13.
- Johnson, John A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Propulsion means comprising an internal-combustion engine and a propulsive jet. 2,465,099, Mar. 22.
- Johnson, John A., Wauwatosa, and C. E. Kenney, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine power unit. 2,459,079, Jan. 11.
- Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for measuring pressure. 2,458,601, Jan. 11.
- Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for making mosaic targets for electron beams. 2,463,180, Mar. 1.
- Johnson, John C., East Hempstead, assignor of one-half to W. H. Johnson, Kings Point, N. Y. Conveyor apparatus for use in the assembly of closure caps. 2,484,095, Oct. 11.
- Johnson, John E., assignee: *See*—
Johnson, John.
- Johnson, John F., Ludington, Mich. Power steering and propelling mechanism. 2,458,177, Jan. 4.
- Johnson, John G. A., New York, N. Y. Apparatus and method for aerating concrete. 2,476,551, July 19.
- Johnson, John J.: *See*—
Bucher, Simon, and Johnson.
- Johnson, John M., Johnson County, Kans. Fusible link. 2,490,359, Dec. 6.
- Johnson, John R., Ithaca, N. Y., and G. M. Whitman, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1,4-dicyano-2-butene from 3,4-dihalo-1-butene and mixtures containing same. 2,477,617, Aug. 2.
- Johnson, John S.: *See*—
Schulman, Earl L., and Johnson.
- Johnson & Johnson, assignee: *See*—
Kennison, Adrian B.
Masci, Joseph N.
Nelson, William R., and Sinnig.
Morgan, Burton D.
Wing, Henry J.
- Johnson, Joseph A., Seattle, Wash. Brush lifter. 2,472,018, May 31.
- Johnson, Joseph P., assignor to Wingfoot Corporation, Akron, Ohio. Coagulation of emulsion polymers. 2,469,827, May 10.
- Johnson, Karl M.: *See*—
Luton, Dempsey A., and Johnson.
- Johnson, Lambert L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Sawtooth wave generator. 2,462,024, Feb. 15.
- Johnson, Leon H., Warren, Pa. Bubble cap assembly for gas or vapor and liquid contact apparatus. 2,480,862, Sept. 6.
- Johnson, Leonard C., Rio, Wis. Animal trap. 2,481,519, Sept. 13.
- Johnson, Lloyd E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Pump. 2,481,754, Sept. 13.
- Johnson, Lloyd F.: *See*—
Mauch, Fred A., and Johnson.
- Johnson, Lyle T., La Plata, Md. Reflecting microscope. 2,478,762, Aug. 9.
- Johnson, Lynn E.: *See*—
Keller, Hugo F., Johnson, and Froass.
- Johnson, Malcolm S., and G. F. Oakley, assignors to Illinois Railway Equipment Company, Chicago, Ill. Brake beam supporting means for railroad cars. 2,469,504, May 10.
- Johnson, Manfred J., New Haven, Conn. Electric motor control system. 2,468,447, Apr. 26.
- Johnson, Martin R., Cook, Minn. Fish lure. 2,463,626, Mar. 8.
- Johnson, Matthey & Company Limited, assignee: *See*—
Kerridge, Frank E.
Tucker, Norman A., and Wall.
- Johnson, Nellie S., and A. F. Sargent, Detroit, Mich.; said Sargent assignor to said Johnson. Warp tensioning device. 2,468,880, May 3.
- Johnson, Norma C.: *See*—
Williams, Albert J., Jr., Tarpley, and Johnson.
- Johnson, Oliver W., Geneva, Ohio. Trigger for mouse-traps. 2,463,879, Mar. 8.
- Johnson, Oney A., San Francisco, Calif. Swivel. 2,466,243, Apr. 5.
- Johnson, Oscar A.: *See*—
Smith, Eric C., and Johnson.
Smith, Eric H., and Johnson.
- Johnson, Oscar H.: *See*—
Major, Randolph T., Folkers, Johnson, and Southwick.
- Johnson, Oscar H., Medina, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Alpha-amino-beta, beta-dithoxy-propionic acid and preparation. 2,478,047, Aug. 2.
- Johnson, Oscar H., Medina, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Substituted propionic acids and preparing the same. 2,481,597, Sept. 13.
- Johnson, Oscar W., and G. O. Sommerhalter, Rochester, N. Y., assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Curb and motor support for centrifugal extractors. 2,479,365, Aug. 16.
- Johnson, Paul P., Willoughby, assignor to Thompson Products, Inc., Cleveland, Ohio. Quick disconnect coupling. 2,458,910, Jan. 11.
- Johnson, Paul W., San Mateo, Calif. Dustpan. 2,475,619, July 12.
- Johnson, Philip A., Van Nuys, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Rotatable device. 2,471,217, May 24.
- Johnson, Philip H. and L. W. Tripp, assignors to Roadless Traction Limited, Hounslow, England. Self-propelled track-laying vehicle. 2,458,078, Jan. 4.
- Johnson, Philip H. and L. W. Tripp, assignors to Roadless Traction Limited, Hounslow, Middlesex, England. Rigidifying means for flexible endless tracks. 2,458,079, Jan. 4.
- Johnson, Philip H., and L. W. Tripp, Hounslow, assignors to Roadless Traction Limited, Hounslow, Middlesex, England. Endless track for vehicles. 2,462,643, Feb. 22.
- Johnson Products, Inc., assignee: *See*—
Johnson, Charles E.
- Johnson, Ralph C., Hill City, Minn. Combination push pole and paddle. 2,477,410, July 26.
- Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Projection apparatus for training mechanisms. 2,461,423, Feb. 8.
- Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Circuit connecting device. 2,478,274, Aug. 9.
- Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record card sensing device. 2,478,275, Aug. 9.
- Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Pencil holder with means to rotate the pencil with respect to the holder incident to use thereof. 2,480,740, Aug. 30.
- Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Perforated record sensing device. 2,490,360, Dec. 6.
- Johnson, Reynold B., Binghamton, and H. A. Hendrich, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Apparatus for laying out complementary cam contours. 2,466,241, Apr. 5.
- Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparation of alpha-keto-dihydronaphthalene. 2,462,103, Feb. 22.
- Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Chemical process. 2,468,759, May 3.
- Johnson, Robert C.: *See*—
Laubach, Howard E., Johnson, and Kramer.
- Johnson, Robert E.: *See*—
Anderson, Lloyd L., and Johnson.
- Johnson, Robert M., Portland, Oreg. Mechanically controlled adjustable clothes hanger. 2,487,445, Nov. 8.
- Johnson, Roland S., Chicago, Ill., assignor to Zenith Radio Corporation. Portable receiver. 2,467,314, Apr. 12.
- Johnson, Roger C., Moline, Ill. Thermostatic valve. 2,462,198, Feb. 22.
- Johnson, Rollie, Edgerton, Mo. Swinging jaw adjustable wrench. 2,459,882, Jan. 25.
- Johnson, Roy G., Moline, Ill. Adjustable window balance. 2,480,476, Aug. 30.
- Johnson, S. C. & Son, Inc., assignee: *See*—
Bridgeman, Walter A.
Buhner, Anton E., Buckman and Spurgat.
Newhall, Joseph F. P.
Newhall, Joseph F. P., and Barker.
Swenson, Oscar J.
Wilder, Edward A.

- Johnson Service Company, assignee: *See*—
Wohrer, Henry.
- Johnson, Sidney P.: *See*—
Downing, Willis T., and Johnson.
- Johnson, Stanley J., Portland, Maine, assignor to S. D. Warren Company, Boston, Mass. Water-borne aluminum coatings on paper. 2,491,113, Dec. 13.
- Johnson, Stanley N., assignor to Motor Wheel Corporation, Lansing, Mich. Making brake drums. 2,485,969, Oct. 25.
- Johnson, Sylvester A., assignor to The Hadley Company, Inc., Providence, R. I. Necktie holder. 2,460,089, Jan. 25.
- Johnson, Theodore A., and H. H. Thompson, assignors to Wingfoot Corporation, Akron, Ohio. Reclaiming synthetic rubber by means of phenyl-beta-naphthylamine. 2,478,826, Aug. 9.
- Johnson, Theodore A., and H. H. Thompson, assignors to Wingfoot Corporation, Akron, Ohio. Reclaiming synthetic rubber. 2,478,827, Aug. 9.
- Johnson, Theodore W.: *See*—
Guise, Arthur B., and Johnson.
- Johnson, Theodore W., Des Moines, Iowa, assignor to Deere & Company, Moline, Ill. Quick demountable cultivator. Re. 23,154, Oct. 11.
- Johnson, Thomas M., Baltimore, Md. Slack controlling device for cables. 2,462,972, Mar. 1.
- Johnson, Thor S., assignee, trustee: *See*—
Walliser, Robert E.
- Johnson, Tomlinson F., Atlanta, Ga. Switch operating lever. 2,478,276, Aug. 9.
- Johnson, Ture, Duluth, Minn. Structure drill. 2,485,098, Oct. 18.
- Johnson, Victor S., assignee: *See*—
White, Sidney Y.
- Johnson, Victor S., Jr., assignee, administrator: *See*—
White, Sidney Y.
- Johnson, Wade C., Cuyahoga Falls, H. A. Trishman, Hudson, and E. H. Stratton, Cuyahoga Falls, Ohio, assignors of one-half to Wingfoot Corporation and one-half to The Adamson Machine Company, Akron, Ohio. Single disk brake. 2,466,990, Apr. 12.
- Johnson, Waldemar L., Nome, N. Dak. Windrower. 2,486,747, Nov. 1.
- Johnson, Wallace E.: *See*—
Smith, Neil C., and Johnson.
- Johnson, Walter, assignee: *See*—
Jackson, Norman M.
- Johnson, Walter H., assignee: *See*—
Johnson, John C.
- Johnson, Walter J.: *See*—
Donaldson, Eames, and Johnson.
- Johnson, Walter C., Princeton, N. J. Device for solving equations. 2,461,738, Feb. 15.
- Johnson, Wilber M., Cleveland Heights, Ohio, assignor to General Electric Company. Base and holder for electric lamps. 2,465,100, Mar. 22.
- Johnson, William E. P.: *See*—
Walker, Daniel N., and Johnson.
- Johnson, William B., United States Army, Easley, S. C. Closure cap turning means. 2,468,757, May 3.
- Johnson, William B., United States Army, Easley, S. C. Retaining means for closure caps. 2,468,758, May 3.
- Johnson, William G., Angmering, and H. Forward, Morden, England. Chain clamp. 2,465,729, Mar. 29.
- Johnson, William S., Madison, Wis., J. W. Petersen, Oakland, Calif., and C. D. Gutsche, St. Louis, Mo., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Preparing 10,11-dihydro-7-r-phenanthro[2,1-d]isoxazoles, and products of such process. 2,470,777, May 24.
- Johnson, William T.: *See*—
Kreig, Kenneth L., and Johnson.
- Johnson, Willis D.: *See*—
Highfield, William H., and Johnson.
- Johnson, Winford B., Woodbury, and R. S. MacCormack, Gibbstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing epsilon-caprolactam. 2,487,246, Nov. 8.
- Johnson's Company, assignee: *See*—
Pharo, Lee C.
- Johnsson, John, assignor to Billeruds Aktiebolag, Saffle, Sweden. Valve bag. 2,490,966, Dec. 13.
- Johnston, Allan T., Mount Lebanon, and A. L. Jerome, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Polarized control apparatus. 2,461,060, Feb. 8.
- Johnston, Benjamin H., Oklahoma City, Okla. Sharpening device. 2,459,945, Jan. 25.
- Johnston, Benjamin T., St. Louis, Mo. Combined desk and mirror device for transferring records. 2,463,775, Mar. 8.
- Johnston, Charles S., Glencoe, assignor to Transportation Specialties Co., Chicago, Ill. Railway car construction. 2,480,741, Aug. 30.
- Johnstone, Charles W., Garden City, and L. P. Mautner, Bronx, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Triple gate. 2,485,886, Oct. 25.
- Johnston, Edwin F., Earlinton, Ky. Bit holder for coal-cutting chains. 2,458,946, Jan. 11.
- Johnston, Frank L., Portland, Oreg. Golf practice device. 2,469,301, May 3.
- Johnston, Franklin, and W. H. Hensley, St. Albans, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Vinyl chloride resins plasticized with diester-amides. 2,472,900, June 14.
- Johnston, Franklin, and W. H. Hensley, St. Albans, W. Va., assignors to Carbide and Carbon Chemicals Corporation. 2,2' (2-ethylhexanamido) diethyl di(2-ethylhexanoate). 2,472,901, June 14.
- Johnston, Fred D., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for cleaning filamentary articles. 2,492,046, Dec. 20.
- Johnston, Frederick B.: *See*—
Yule, John A. C., and Johnston.
- Johnston, Frederick L., Claymont, and H. J. Richter, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized vinyl fluoride polymers. 2,476,606, July 19.
- Johnston, George, St. Clair, Mich. Pump device. 2,471,753, May 31.
- Johnston, George X., St. Clair, Mich. Cam making machine. 2,472,902, June 14.
- Johnston, Gorman J., Bellevue, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Stationary induction apparatus. 2,459,322, Jan. 18.
- Johnston, Greenhow, Richmond, Va. Control for fluid-propelled airships. 2,465,457, Mar. 29.
- Johnston, Gladys H., assignee: *See*—
Fowler, Roy E.
- Johnston, Hal C., assignor to General Motors Corporation, Dayton, Ohio. Firing mechanism for recoilless shoulder mounted guns. 2,480,328, Aug. 30.
- Johnston, Herrick L.: *See*—
Hood, Charles B., Jr., Jones, and Johnston.
- Johnston, Howard, Happy Camp, Calif. Automatic bit sorter. 2,464,449, Mar. 15.
- Johnston, James A., Los Angeles, Calif. Fire alarm. 2,482,113, Sept. 20.
- Johnston, James H.: *See*—
Adams, Ralph G., and Johnston.
- Johnston, Lawrence, Meadville, Pa. Cylinder hydraulic washer. 2,471,624, May 31.
- Johnston, Lawrence H., Rural, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic square wave signal generator. 2,473,432, June 14.
- Johnston, Lewis E., Winter Garden, Fla. Bag and container tying device. 2,459,530, Jan. 18.
- Johnston, M. O., Oil Field Service Corporation, assignee: *See*—
Lynn, Harry E.
- Johnston, Robert C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Adjustable multicolored light filter. 2,460,507, Feb. 1.
- Johnston, Robert W. B.: *See*—
Cunningham, James J., Johnston, and Phillips.
- Johnston, William A., Stratford, and A. D. De Mattia, assignors to Rolock, Incorporated, Fairfield, Conn. Hand truck with positioning controls for load handling hooks. 2,478,196, Aug. 9.
- Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Synthetic drying oils. 2,491,496, Dec. 20.
- Johnstone, Harold G., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical mounting device. 2,471,625, May 31.
- Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of polyolefinic hydrocarbons. 2,470,894, May 24.
- Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of relatively straight chain alkyl aromatic hydrocarbons. 2,479,120, Aug. 16.
- Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Gas washing device. 2,485,739, Oct. 25.
- Jokel, William, Brooklyn, N. Y. Self-cleaning filter. 2,475,968, July 12.
- Jolivet, Henri, Albertville, assignor to Societe D'Electro-Chimie, D'Electro-Metallurgie et des Acieries Electriques D'Ugine, Paris, France. Iron chromium manganese alloy. 2,478,105, Aug. 2.
- Jolly, Carl H., U. S. Navy. Automatically self-releasing aircraft landing hook. 2,486,418, Nov. 1.
- Jolly, Robert M.: *See*—
Reilly, Jack E., and Jolly.
- Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Sulfurized nitriles and preparing the same. 2,490,271, Dec. 6.
- Jonach, Fredrick L.: *See*—
Hall, Homer J., and Jonach.
- Jonas, Herbert C., Great Neck, N. Y., J. P. Lalco, Springfield, N. J., and V. L. Ronci, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable magnetron. 2,459,030, Jan. 11.
- Jonas, Le Roy F., Wausau, Wis. Drinking cup for mink or other penned animals. 2,471,527, May 31.
- Jones, Ada P., executrix: *See*—
Jones, Robert F.
- Jones, Allan H., Newark, N. J. Shockproof gauge mounting. 2,471,961, May 31.

- Jones, Alvin J., and C. C. W. Williams, assignors to Landis Tool Company, Waynesboro, Pa. Work loading device for grinding machines. 2,472,707, June 7.
- Jones, Anderson, assignee: *See*—
Long, James I.
- Jones, Archdale J., New York, N. Y. Hat trimming device. 2,491,183, Dec. 13.
- Jones, Arden T.: *See*—
Bebinger, Charles N., and Jones.
- Jones, Basil E., Flossmoor, assignor to The Pullman Company, Chicago, Ill. Berth arrangement. 2,470,853, May 24.
- Jones, Basil E., Flossmoor, assignor to The Pullman Company, Chicago, Ill. Railway sleeping car. 2,478,402, Aug. 9.
- Jones, Basil E., Flossmoor, and J. R. Stanley, assignors to The Pullman Company, Chicago, Ill. Vehicle heating arrangement. 2,461,424, Feb. 8.
- Jones, Bert R., West Haven, Conn. Anchor for lading retaining bands for flat top railway cars. 2,481,598, Sept. 13.
- Jones, Bonnie G., near Williamsburg, Ky. Intermittent brake. 2,483,205, Sept. 27.
- Jones, Burr W.: *See*—
Merritt, George E., and Jones.
- Jones, Carl G., Youngstown, Ohio. Electrolytic apparatus for treatment of moving strip. 2,477,808, Aug. 2.
- Jones, Cernyw F., Maywood, Ill., assignor, by mesne assignments, to H. M. Bramberry, Sr., New Castle, Ind. Workholder for piston ring heat-treatment. 2,471,754, May 31.
- Jones, Charles H., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Strand coating and winding machine. 2,463,111, Mar. 1.
- Jones, Charles L., Edgewood, Pa., assignor to International Carbonic Engineering Company, Wilmington, Del. Method and apparatus for producing composite solid carbon dioxide. 2,464,089, Mar. 8.
- Jones, Charles R., Berkley, Mich. Mirror support having spacing frame. 2,469,923, May 10.
- Jones, Charles S., Los Angeles, Calif. Portable motor operated air compressor with storage tank. 2,490,305.
- Jones, Chester D., Carnegie, assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Water heater. 2,480,657, Aug. 30.
- Jones, Chester D., Carnegie, assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Gravity-fed gas burner. 2,480,658, Aug. 30.
- Jones, Claude, assignor of one-sixth to E. E. Varble, Jefferson City, Mo. Animal trap. 2,458,176, Jan. 4.
- Jones, Cleveland, Inverness, Miss. Cotton chopper. 2,489,036, Nov. 22.
- Jones, Clinton, Hampton, Va. Electric release for toy guns. 2,474,054, June 21.
- Jones, D. G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. 2,5-dialkoxy tetrahydrofurans and making them. 2,465,988, Apr. 5.
- Jones, Daniel C., assignor to Kwik-Mix Company, Port Washington, Wis. Skip shaker mechanism. 2,464,235, Mar. 15.
- Jones, David, Wilkes-Barre, Pa. Grip to attach a side chute. 2,467,136, Apr. 12.
- Jones, David C. R.: *See*—
Jones, Walter I. and D. C. R.
- Jones, David D., Norwalk, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Pressure measuring apparatus. 2,457,902, Jan. 4.
- Jones, David G., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Preparation of substitution products of 2:5-dihydrofuran. 2,475,097, July 5.
- Jones, David G., and F. Dean, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of lactones. 2,463,776, Mar. 8.
- Jones, Dwight E., assignor to E. D. Jones & Sons Company, Pittsfield, Mass. Beater roll. 2,482,712, Sept. 20.
- Jones, E. D. & Sons Company, assignee: *See*—
Jones, Dwight E.
- Jones, Edward M., assignor to The Baldwin Company, Cincinnati, Ohio. Photoelectric musical instrument. 2,474,847, July 5.
- Jones, Edwin K., Ponca City, Okla., assignor to Universal Oil Products Company, Chicago, Ill. Catalyst absorption. 2,459,531, Jan. 18.
- Jones, Edwin P., Salinas, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Concentrating aqueous rubber dispersion by centrifuging. 2,475,141, July 5.
- Jones, Eldon M.: *See*—
Burckhalter, Joseph H., Jones, Rawlins, Tendick, and Holcomb.
- Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.
- Jones, Elias M.: *See*—
Hurley, Walter S., and Jones.
- Jones, Ellsworth J., Willoughby, Ohio. Convertible velocipede. 2,468,933, May 3.
- Jones, Elwyn, Ardrossan, and J. S. Flanders, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Fumigating with pesticidal compounds. 2,488,776, Nov. 22.
- Jones, Ewart R. H.: *See*—
Heilbron, Ian M., and Jones.
- Jones, Forrest H., Rockport, Wash. Apparatus for removing forms from concrete blocks. 2,480,477, Aug. 30.
- Jones, Frank: *See*—
Booth, Earl C., and Jones.
- Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Preventing frosting of evaporator heat exchangers. 2,471,692, May 31.
- Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Air conditioning unit. 2,475,841, July 12.
- Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Starter generator. 2,475,842, July 12.
- Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Means operated by a starter generator for cooling a gas engine. 2,475,843, July 12.
- Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Thermostatically operating gas engines. 2,477,377, July 26.
- Jones, George D., assignor, by mesne assignments, to Reelshav Corporation, Los Angeles, Calif. Razor. 2,492,293, Dec. 27.
- Jones, George D., West Brighton, and L. W. Jones, Ocean Breeze, assignors to Ajon Research Corp., New York, N. Y. Automatic feeding attachment for buttonhole and snap fastener machines. 2,465,232, Mar. 22.
- Jones, George D., and L. C. Miller, assignors, by mesne assignments, to Reelshav Corporation, Los Angeles, Calif. Magazine type razor. 2,492,292, Dec. 27.
- Jones, George F.: *See*—
Petty, Michael G. R. and Jones.
- Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Composition of matter comprising gelatin and polyvinyl urea or derivatives. 2,467,832, Apr. 19.
- Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Interpolymers of acrylamides and allyl aceto-acetates and producing same. 2,480,810, Aug. 30.
- Jones, Gilbert C., La Grange, N. C. Radiator clamp. 2,481,755, Sept. 13.
- Jones, Guy A., Long Beach, Calif., assignor to Eaton Pump Manufacturing Company, Inc. Axially sliding vane rotary pump. 2,475,844, July 12.
- Jones, Harold E., assignee: *See*—
Hinteman, Harry M.
- Jones, Harold V., and J. R. Morlock, Champaign, Ill., said Morlock assignor to said Jones. Attachment for laptruers. 2,480,028, Aug. 23.
- Jones, Harry T., assignor of one-half to E. Summers, Corpus Christi, Tex. Wheel clamp. 2,484,169, Oct. 11.
- Jones, Harry W.: *See*—
Dempster, George.
- Jones, Henry C., Jr., Fort Wayne, Ind., assignor to General Electric Company. Junction box. 2,477,131, July 26.
- Jones, Henry G., Austin, Tex. Movable awning. 2,471,962, May 31.
- Jones, Herbert H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating materials with a volatile treating agent. 2,465,020, Mar. 22.
- Jones, Homer T., Ord, Nebr. Water regulator for cattle tanks. 2,471,328, May 24.
- Jones, Homer T., Ord, Nebr. Door controlled mailbox signal. 2,475,098, July 5.
- Jones, Homer W., Westfield, N. J., assignor to The Linde Air Products Company. Blowpipe. 2,483,467, Oct. 4.
- Jones, Homer W., Westfield, N. J., assignor to Union Carbide and Carbon Corporation. Post-mixed blowpipe and thermochemically cutting metal. 2,484,891, Oct. 18.
- Jones, Homer W., Westfield, and E. Meincke, Summit, N. J., assignors to The Linde Air Products Company. Fully automatic desurfacing control system. 2,479,624, Aug. 23.
- Jones, Homer W., Westfield, and J. H. Bucknam, Cranford, N. J., assignors to Union Carbide and Carbon Corporation. Method of and apparatus for cutting metal. 2,482,188, Sept. 20.
- Jones, Horace R., Jackson Heights, and E. W. Wilby, Staten Island, N. Y., assignors to Radio Corporation of America. Image projection and viewing apparatus. 2,476,494, July 19.
- Jones, Hubert O., Sells, Ariz. Hackamore. 2,463,279, Mar. 1.
- Jones, Ira M., assignee: *See*—
Brooks, Lewis C.
- Pollman, Adam F.
- Jones, Ira M., trustee: *See*—
Bullock, Roy B.
- Jones, James A., Fayetteville, Ark. Dust mop cleaner. 2,466,771, Apr. 12.
- Jones, James H., Dallas, Tex. Pruning saw. 2,479,495, Aug. 16.
- Jones, James J., Hialeah, Fla. Photofinish camera and recording system. 2,482,621, Sept. 20.
- Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Top securing means for furniture. 2,461,823, Feb. 15.
- Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Compressor for filing devices. 2,484,713, Oct. 11.

- Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture film perforator. 2,466,436, Apr. 5.
- Jones, John L.: *See*—
Howard, Arthur M., and Jones.
- Jones, John P., assignor to Dairy Specialties, Inc., Omaha, Neb. Milk container. 2,457,822, Jan. 4.
- Jones, John P., assignor to The Dairy Specialties Company, Incorporated, Omaha, Neb. Cream dispenser. 2,459,130, Jan. 11.
- Jones, John F., Toronto, Ontario, Canada. Turbogenerator. 2,481,222, Sept. 6.
- Jones, John W., Jr., Los Angeles, Calif., assignor to Radio Corporation of America. Wood adhering machine. 2,472,708, June 7.
- Jones, John W. G., Ely, Minn., assignor to Oliver Iron Mining Company. Stench warning device. 2,468,369, Apr. 26.
- Jones, Jonathan, Bethlehem, Pa., assignor to Bethlehem Steel Company. Supporting means for storage tanks. 2,463,880, Mar. 8.
- Jones, Kenneth: *See*—
Roberts, Robert P., and Jones.
- Jones & Lamson Machine Company, assignee: *See*—
Fersing, Leif.
Cancred, William L.
Gamble, Ralph M.
Lewis, Robert E.
- Jones & Laughlin Steel Corporation, assignee: *See*—
Bowman, Robert S.
Brunner, Ray.
Kehl, Henry L.
Kent, Frank T.
Slagle, Kenneth H., and Bowman.
Somerville, Peter P.
Work, Harold K., and Webster.
- Jones, Lawrence W.: *See*—
Hetzler, Owen W., Sloan, and Jones.
- Jones, Leo D., and H. S. Barnaby, assignors to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,459,944, Jan. 25.
- Jones, Leon W.: *See*—
Jones, George D. and L. W.
- Jones, Lester L.: *See*—
Mikulas, William, and Jones.
- Jones, Loren F., Philadelphia, Pa., assignor to Radio Corporation of America. Instrument landing system. 2,490,306, Dec. 6.
- Jones, Lovic O., Greenfield, Tenn. Bag holder and releaser. 2,471,218, May 24.
- Jones, Lyman L., and J. B. Ystrom, Seattle, Wash., assignors to American Can Company, New York, N. Y. Can soldering method and apparatus. 2,469,392, May 10.
- Jones, Mark F., assignee: *See*—
Ahiburg, Frank, and Hunt.
- Jones, Maurice F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plane-landing catapult. 2,484,230, Oct. 11.
- Jones, Merton D., assignor to Kalamazoo Stove & Furnace Co., Kalamazoo, Mich. Cold air inlet boot for air-heating furnaces. 2,477,254, July 26.
- Jones, Minor C. K.: *See*—
Brandon, Richard C., and Jones.
- Jones, Minor C. K., Mountinside, and R. C. Brandon, Elizabeth, N. J., assignors to Standard Oil Development Company. Selectively polymerizing diolefins in an unsaturated and aromatic gasoline distillate. 2,473,206, June 14.
- Jones, Minor C. K., Mountinside, N. J., assignor to Standard Oil Development Company. Alkylation of iso paraffins with olefins. 2,479,366, Aug. 16.
- Jones, Neven J., Natrona Heights, Pa. Motion transmitting mechanism. 2,460,015, Jan. 25.
- Jones, Norman L., Brighton, Victoria, Australia, assignor, by mesne assignments, to Standard-Vacuum Oil Company. Preparing aluminum soaps and certain classes of useful compositions containing aluminum soaps. 2,469,041, May 3.
- Jones, Paul C., Nichols, S. C. Electric water heater. 2,474,361, June 28.
- Jones, Peter: *See*—
Quayle, Joshua C., and Jones.
- Jones, Peter C.: *See*—
Melvin, Grant C., Jones, and White.
- Jones, Peter C., Dayton, Ohio. Radio tuner. 2,478,925, Aug. 16.
- Jones, Philip H., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Tank pump-out method. 2,460,258, Jan. 25.
- Jones, Philip H., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Multiple stage shale eduction process. 2,466,593, Apr. 5.
- Jones, Ray D., and F. W. Merrill, Fort Wayne, Ind., assignors to General Electric Company. Regulated speed motor system. 2,481,311, Sept. 6.
- Jones, Reuben G.: *See*—
Behrens, Otto K., Jones, and Corse.
Behrens, Otto K., Corse, Jones, and Soper.
Shaw, Gail L., and Jones.
- Jones, Richard O., Parsons, Kans. Shock absorber fluid dispensing and metering device. 2,489,035, Nov. 22.
- Jones, Robert E., assignee: *See*—
Jones, Thomas H.
- Jones, Robert F., Framingham, Mass.; A. P. Jones, executrix of said R. F. Jones, deceased, assignor to General Foods Corporation, New York, N. Y. Fish cutting machine. 2,479,010, Aug. 16.
- Jones, Robert R., Akron, assignor to Ohio Ferro Alloys Corporation, Canton, Ohio. Electrode splicing device. 2,458,272, Jan. 4.
- Jones, Roy W.: *See*—
Lomax, Clarence, and Jones.
Voss, John H., and Jones.
- Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. All relay telephone line circuit and line finder. 2,472,428, June 7.
- Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Static frequency changer. 2,473,999, June 21.
- Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Transmission of tone to warn the operator of a momentary disablement of a telephone talking connection by a coin collector. 2,483,206, Sept. 27.
- Jones, Russell A., Akron, Ohio. Pool ball spotting frame. 2,469,652, May 10.
- Jones, Samuel M., and L. P. Reichard, Youngstown, Ohio, said Jones assignor to said Reichard. Valve lifter. 2,491,738, Dec. 20.
- Jones, Samuel R., Los Angeles, Calif. Surgical headlock. 2,492,383, Dec. 27.
- Jones, Theodore C., Louisville, Ky. Electrolytic water purifier. 2,461,325, Feb. 8.
- Jones, Thomas F.: *See*—
Trent, Horace M., and Jones.
- Jones, Thomas F., Nashville, Tenn. Rail anchoring and securing device. 2,486,290, Oct. 25.
- Jones, Thomas H., assignor of one-third to W. Saunders and one-third to R. E. Jones, Sr., Chicago, Ill. Motor-driven portable buffer. 2,465,807, Mar. 29.
- Jones, Thomas L.: *See*—
Tirtilli, John P., and Jones.
- Jones, Thomas M., Minneapolis, Minn. Mirror and door structure. 2,489,418, Nov. 29.
- Jones, Urban R., assignor of one-half to W. Sacks, Sidney, Ohio. Lifting mechanism. 2,468,297, Apr. 26.
- Jones, Walter, Teaneck, assignor, by mesne assignments, to Bergen Engineering and Sales Corporation, Hackensack, N. J. Rotary internal gear pump. 2,482,713, Sept. 20.
- Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Three-side lock snap fastener assembly. 2,467,315, Apr. 12.
- Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket member. 2,482,067, Sept. 13.
- Jones, Walter I. and D. C. R. Caerphilly, South Wales, assignors to C. D. Patents Limited, London, England. Manufacture of molded articles from coal. 2,466,435, Apr. 5.
- Jones, Walter J., Lomita, Calif., assignor to Columbia Steel Company. Molder's flask. 2,473,101, June 14.
- Jones, Walter O., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Coil holder or reel for strip-processing lines. 2,464,932, Mar. 22.
- Jones, Walter R., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Base shield. 2,472,747, June 7.
- Jones, Wardwell: *See*—
Hettinger, Francis K., and Jones.
- Jones, Wardwell W., assignor to Utica Duxbak Corporation, Utica, N. Y. Sportsman's hunting coat. 2,476,665, July 19.
- Jones, Wesley: *See*—
Hood, Charles B., Jr., Jones, and Johnston.
- Jones, Wilford D.: *See*—
Seymour, George W., Salvin, and Jones.
- Jones, William, assignor to Pye Limited, Cambridge, England. Electric remote-control or indicating system. 2,472,535, June 7.
- Jones, William C. R., Beauharnois, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Automatic stop device. 2,467,977, Apr. 19.
- Jones, William D., West Lafayette, Ind., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resins derived by reacting a cresol-formaldehyde condensate with a monohydric alcohol ester of rosin. 2,459,651, Jan. 18.
- Jones, William D., West Lafayette, Ind., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and printing ink composition containing the same. 2,483,468, Oct. 4.
- Jones, William O.: *See*—
Haddock, Norman H., Jones, Parkinson, and Rowe.
- Jongerius, Jan N. V., assignee: *See*—
Voskamp, Herman.
- Jonker, Johan L. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Cathode structure for electric discharge tubes. 2,486,292, Oct. 25.
- Jonker, Johan L. H., and G. Diemer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube with metal foil electrode. 2,470,248, May 17.

- Jonker, Johan L. H., and P. H. J. A. Kleynen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee, Amplifier circuits with double control. 2,473,754, June 21.
- Jonkhoff, Henri W., New York, N. Y.; A. B. Blood and S. P. Friedman, executors of said H. W. Jonkhoff, deceased. Tandem axle spring suspension. 2,463,627, Mar. 8.
- Jonkhoff, Henri W., New York, N. Y.; A. B. Blood and S. P. Friedman, executors of said H. W. Jonkhoff, deceased. Vehicle truck. 2,491,613, Dec. 20.
- Jonson, Gustave W., Van Nuys, assignor to Mitchell Camera Corporation, Glendale, Calif. Intermittent film movements having film registration. 2,475,099, July 5.
- Jönsson, Nils W., Lidings, Sweden. Apparatus for screening fibrous suspensions. 2,464,581, Mar. 15.
- Joos, August G., Velda Village, assignor to Wagner Electric Corporation, St. Louis, Mo. Radiator valve assembly. 2,473,148, June 14.
- Joost, Delbert: *See—*
Van Schoor and Joost.
- Jordan, Anthony G., Battle Creek, Mich. Analytical apparatus. 2,470,353, May 17.
- Jordan, Cecil C.: *See—*
Allen, Robert C. and Jordan.
- Jordan, Claude S., Culver City, Calif. Garment former. 2,477,878, Aug. 2.
- Jordan, Edgar, assignor to National Pressure Cooker Company, Eau Claire, Wis. Steering handle means. 2,488,199, Nov. 15.
- Jordan, Edwin M., Miami, Fla. Pole supporting hinge. 2,458,081, Jan. 4.
- Jordan Electrical Manufacturing Company, assignee: *See—*
Robinson, Frank M., and Stein.
- Jordan, James D.: *See—*
Ferris, Robert G., and Jordan.
- Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Detonator. 2,458,473, Jan. 4.
- Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugally operated control device. 2,458,474, Jan. 4.
- Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Projectile. 2,485,887, Oct. 25.
- Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Electronic tachometer and stroboscope. 2,485,888, Oct. 25.
- Jordan, James F., Huntington Park, Calif. Extraction of tin from iron alloys. 2,474,979, July 5.
- Jordan, John L., New York, N. Y. Airship. 2,475,786, July 12.
- Jordan, John P., Scotia, N. Y., assignor to General Electric Company. High-frequency heating regulator. 2,461,283, Feb. 8.
- Jordan, John P., Scotia, N. Y., assignor to General Electric Company. High-frequency heating apparatus. 2,482,545, Sept. 20.
- Jordan, Matthew A., Saugus, Mass., assignor to General Electric Company. Gyroscope. 2,491,813, Dec. 20.
- Jordan, Paul B., and M. Pipkin, Cleveland Heights, Ohio, assignors to General Electric Company. Lead-in wire for electric lamps and similar devices. 2,473,888, June 21.
- Jordan, Reginald A.: *See—*
Warren, George T., and Jordan.
- Jordan, Sidney W., Cleveland, Ohio. Vise with quick positioning jaws. 2,469,600, May 10.
- Jordan, Wesley P., Cedar Springs, Mich. Lid lifter. 2,481,119, Sept. 6.
- Jordan, William C., Blakeley, Ga. Tractor power lift attachment. 2,479,841, Aug. 23.
- Jordan, William D., Anamosa, Iowa. Barrel contracting tool. 2,472,080, June 7.
- Jordan, William V., Waverly Hills, Ky. Mixing valve. 2,465,458, Mar. 29.
- Jordan, Willis H., Houston, Tex. Rodent trap. 2,464,090, Mar. 8.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,468,882, May 3.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,469,467, May 10.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,479,574, Aug. 23.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,479,575, Aug. 23.
- Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,481,756, Sept. 13.
- Jorgensen, Betty J., assignee: *See—*
Berndsen, William E.
- Jorgensen, Clarence H., and W. H. Taylor, Anderson, Ind., and F. J. Hardman, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Engine pressure control system. 2,491,497, Dec. 20.
- Jorgensen, Clarence W.: *See—*
Odencrantz, William A., and Jorgensen.
- Jorgensen, Frederick B., Piedmont, Calif. Type holder for printing presses. 2,491,267, Dec. 13.
- Jorgensen, Hans L., Wilmette, assignor to The Harrington & King Perforating Company, Chicago, Ill. Ceiling pan. 2,486,563, Nov. 1.
- Josam Manufacturing Company, assignee: *See—*
Matheis, Aaron.
- Josh, George, Crown Point, Ind., and L. A. Harriman, Chicago, and E. W. Hopkins, Hinsdale, assignors to Armour and Company, Chicago, Ill. Drying eggs. 2,460,986, Feb. 8.
- Joslin, Asher L.: *See—*
Geier, Conrad W., and Joslin.
- Joslin, William E., Granby, Mo. Key case. 2,485,051, Oct. 18.
- Joseph, Henry G., Cranston, R. I., assignor to Victor Ring Traveler Company. Ring traveler. 2,470,932, May 24.
- Joseph, Selig, assignor to J. Rubens, Los Angeles, Calif. Machine for counting and bottling pellets and the like. 2,483,207, Sept. 27.
- Josephson, Arthur G.: *See—*
Bossert, Mark W., and Josephson.
- Joss, Douglas, Miami, Fla. Motion-picture billboard. 2,491,184, Dec. 13.
- Jost, Edmund C., New London, Wis. Roller sled. 2,464,868, Mar. 22.
- Joswick, Alexander A., Bayonne, N. J. Reel truck. 2,481,224, Sept. 6.
- Jouannet, Robert, La Parz near Modane, France, assignor to Elektrokemist A/S. Readjusting the current supplying and supporting metal rods of continuous self-baking electrodes. 2,475,452, July 5.
- Jourgensen, John L., Casper, Wyo. Animal marking device. 2,487,557, Nov. 8.
- Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Welding transformer control system. 2,486,165, Oct. 25.
- Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Welding transformer control system. 2,486,166, Oct. 25.
- Jovanovich, Milton: *See—*
Hibbard, Thomas L., and Jovanovich.
- Jovanovich, Milton, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Hydraulic fitting. 2,466,316, Apr. 5.
- Joy, Joseph E., Collingswood, N. J., assignor to Radio Corporation of America. Radio-frequency heating apparatus. 2,465,102, Mar. 22.
- Joy, Joseph E., Collingswood, N. J., assignor to Radio Corporation of America. High-frequency electronic apparatus for heating dielectric materials. 2,468,263, Apr. 26.
- Joy Manufacturing Company, assignee: *See—*
Ball, Charles F.
Bebinger, Charles N., and Jones.
Curtis, John C.
Curtis, John C., and Gartin.
Dustin, Ralph C.
Ferguson, Alexander D.
Fish, Walter D.
Gartin, Elmer G.
Lamberton, Ralph E.
Lehner, Ray A.
McCallum, Robert A.
Osgood, Robert C.
Paget, Win W.
Russell, John D.
Russell, John D., and Woolf.
Simmons, Leon E.
Troller, Theodor H., and Jenkins.
- Joy Products Company, assignee: *See—*
Fernstrum, Robert W.
- Joy, Robert E., assignee: *See—*
Sheeley, Charles F.
- Joy, William H.: *See—*
Hobourn, Percival L. and Joy.
- Joyce, Asa W.: *See—*
Lecher, Hans Z., Scalera, Joyce, and Forster.
Scalera, Mario, and Joyce.
- Joyce, James A., Gary, Ind. Ornamental colored flame candle. 2,481,019, Sept. 6.
- Joyce, John R.: *See—*
Hawthorne, William R., and Joyce.
- Joyce, Maurice, Port Washington, N. Y. Toilet seat cover. 2,461,160, Feb. 8.
- Joyce, Robert M., Jr.: *See—*
Hanford, William E., and Joyce, Jr.
- Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorinated hydrocarbons. 2,462,402, Feb. 22.
- Joyce, Robert M., Jr., Wilmington, and J. C. Sauer, Woodcrest, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of fluoroethylene interpolymers. 2,479,367, Aug. 16.
- Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrocarbosilicon thiocyanates and articles treated therewith. 2,485,603, Oct. 25.

- Joyner, Archibald A., Merchantville, N. J., assignor to Radio Corporation of America. Pulse echo recognition system. 2,471,373, May 24.
- Joyner Corporation, The, assignee: *See*—
Davis, Oliver D.
- Jozefowicz, Ignacy, Kenosha, Wis. Combined dead bolt and latch bolt lock. 2,484,571, Oct. 11.
- Joziff, Josef, Praha, assignor to Zbrojovka Brno, Brunn, Czechoslovakia. Chain drive arrangement for internal-combustion engines. 2,478,106, Aug. 2.
- Jozsy, Paul, New York, N. Y. Massaging device. 2,480,029, Aug. 23.
- Jubin, Joseph E.: *See*—
James, Louise, and Jubin.
- Juchter, Pieter, assignee: *See*—
McDowell, Earle B.
- Judd, Frank M., Bellingham, Wash. Electric heating and drying device for footwear. 2,469,468, May 10.
- Jude, Pearl T., Minneapolis, Minn., assignor to General Motors Corporation, Dayton, Ohio. Frozen food plant. 2,484,572, Oct. 11.
- Judell, Julius S., Shorewood, assignor to Western Hardware & Specialty Manufacturing Company, Milwaukee, Wis. Core blower. 2,468,672, Apr. 26.
- Judge, Samuel J., Rochester, N. Y. Wire clip combining scarf and coat. 2,461,215, Feb. 8.
- Judkins, George H., Berwyn, Ill., assignor to International Harvester Company. Liquid filter. 2,488,726, Nov. 22.
- Judson, Charles A., Cranfield, Bedford, assignor to Rolls-Royce Limited, Derby, England. Nozzle-guide-vane assembly for gas turbine engines. 2,488,867, Nov. 22.
- Juel, Harry N., J. A. Schroeder and A. W. Bower, Denver, Colo. Locking device for the drawbar coupler keys of railroad draft gears. 2,463,628, Mar. 8.
- Juel, Harry N., J. A. Schroeder, and F. B. Lewis, Denver, Colo. Railway journal box. 2,481,120, Sept. 6.
- Juelss, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Mechanical pencil with step-by-step lead feeding means. 2,473,149, June 14.
- Juengst, Fred W., assignor to Landers, Frary & Clark, New Britain, Conn. Riveted means for securing handles to tool blades. 2,492,096, Dec. 20.
- Jugle, Leonard L.: *See*—
Cook, John B., and Jugle.
- Juhlin, Gustaf A., High Beck, Carrwood, H. Barns, and C. H. Walker, Urmostorn, Manchester, England, assignors to General Electric X-Ray Corporation, Chicago, Ill. Rotating vacuum seal. 2,488,200, Nov. 15.
- Juhn, Kurt, New York, N. Y. Toy animation picture device. 2,478,697, Aug. 9.
- Julep Company, assignee: *See*—
Stokesberry, Paul W.
- Julian, Percy L., Maywood, W. J. Karpel, and J. W. Armstrong, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Oxidation of soya sitosteryl acetate dibromide. 2,464,236, Mar. 15.
- Julian, Percy L., Maywood, J. W. Cole, Chicago, A. Magnani, Wilmette, and E. W. Meyer, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. 6-alkoxy-*i*-androstene-17-ols. 2,484,833, Oct. 18.
- Julien, Maurice F. A., Paris, France. Transmission system for automobile vehicles. 2,459,705, Jan. 18.
- Julien, Maurice F. A., Paris, France. Device for absorbing oscillations. 2,466,110, Apr. 5.
- Julien, Maurice F. A., Paris, France. Suspension system for automobile vehicles. 2,480,934, Sept. 6.
- Julien, Maurice F. A., Toulouse, France. Springs, joints, and the like. 2,482,488, Sept. 20.
- Julien, Maurice F. A., Toulouse, and A. A. F. Motte, Paris, France. Frame for automobile vehicles. 2,488,978, Nov. 22.
- Julin, Carl F., New York, N. Y. Refrigerator. 2,491,114, Dec. 13.
- Juliuson, Charles A., Fort Worth, Tex. Shoe with resilient closure means. 2,462,324, Feb. 22.
- Jung, Ingvar K. E., Langedrag, near Goteborg, Sweden. Gas turbine plant. 2,474,582, June 28.
- Jungersen, Thøger G., Summit, N. J. Optical reflecting material. 2,481,757, Sept. 13.
- Jungst, Homer V., deceased, Seattle, Wash.: M. J. Jungst, executrix. Camber adjusting tool. 2,462,403, Feb. 22.
- Jungst, Mary J., executrix: *See*—
Jungst, Homer V.
- Junkin, Hays M., executor: *See*—
Hibbard, Robert L.
- Junkin, Herbert P., assignor, by mesne assignments, to Crosley Motors, Inc., Cincinnati, Ohio. Valve seat structure. 2,486,654, Nov. 1.
- Juntunen, Arthur, Highland Park, Mich. Toboggan. 2,466,547, Apr. 5.
- Jurasevich, Elsie M., assignee: *See*—
Jurasevich, Mitchell L.
- Jurasevich, Mitchell L., assignor to E. M. Jurasevich, Alturas, Calif. Cord winder. 2,486,167, Oct. 25.
- Jurasevich, Mitchell L., assignor to E. M. Jurasevich, Alturas, Calif. Interlocking assembly for sheet metal roofing or siding. 2,486,168, Oct. 25.
- Jurgenson, Ralph C., assignee: *See*—
Barrett, John S.
- Jurlin, Joyce L., New York, N. Y. Woman's sanitary undergarment. 2,458,273, Jan. 4.
- Jurinak, Joseph J., Strongsville, Ohio. Buffer for water closet seat covers. 2,477,378, July 26.
- Jurist, Alfred E.: *See*—
Burke, John C., and Jurist.
- Jurs, Peter C., Oakland, assignor to Shand & Jurs Company, Berkeley, Calif. Tank gauge. 2,466,437, Apr. 5.
- Justice, Jesse L., Huntington Park, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Life raft or float. 2,474,479, June 28.
- Justice, Richard W., Belvedere, Calif. Graphic solar instrument. 2,475,620, July 12.
- Justrite Manufacturing Company, assignee: *See*—
Packer, Charles S., and Olsen.
- Justus, James E., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine control means. 2,481,020, Sept. 6.
- Juszcak, Constantine, Chicago, Ill. Safety lock. 2,475,392, July 5.
- Jutte, William B., Philadelphia, Pa. Indicator plug. 2,469,560, May 10.
- Juvinall, James W.: *See*—
Hansen, Carl E., and Juvinall.
- K. D. G. Instruments Limited, assignee: *See*—
Everington, Geoffrey D.
- K. L. G. Sparking Plugs Limited, assignee: *See*—
Carington, Charles M., and Shoovert.
Carington, Charles M., and Pickett.
Carington, Charles M., Shoovert, and Pickett.
- Kaar, Ira J., Baldwinville, N. Y., assignor to General Electric Company. Variable tuning arrangement. 2,479,368, Aug. 16.
- Kaas, Robert L., assignor to The Garrett Corporation, Alhsearch Manufacturing Company division, Los Angeles, Calif. Sealer tube mechanism with vibrating tool. 2,482,490, Sept. 20.
- Kabo, Inc., assignee: *See*—
Florsheim, Leonard S., Jr.
- Kaboskey, Benjamin F., and O. R. Quade, Milwaukee, Wis. Removable meat storage increaser. 2,482,915, Sept. 27.
- Kacena, John, Chicago, and E. E. Kelly, Oak Park, assignors to Crane Co., Chicago, Ill. Draft controlling furnace door actuating means. 2,483,702, Oct. 4.
- Käch, Alfred: *See*—
Stoecklin, Josef, and Käch.
- Kachin, Theodore: *See*—
Munger, Thornton T., and Kachin.
- Kaczka, Edward A., and J. F. McPherson, Rahway, R. Mazingo, Elizabeth, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Penicillamine esters. 2,489,894, Nov. 29.
- Kadish, Abraham, Long Island City, N. Y. Mixing spout fixture for washbasins. 2,474,108, June 21.
- Kadish, Karl, New York, N. Y. Yarn clamp for warp beams. 2,478,763, Aug. 9.
- Kadleck, John H., Pasadena, Calif. Shutter-fold awning. 2,472,426, June 7.
- Kadz, Harald D., Glendale, Calif., assignor to Kay-Brunner Steel Products, Inc. Carrying scraper. 2,458,274, Jan. 4.
- Kaeburn, Leslie K., New York, N. Y. Photographic camera for variable consecutive exposures. 2,492,646, Dec. 27.
- Kaegi, Hans: *See*—
Miescher, Karl, and Kaegi.
- Kaegi, Hans, Basel, and K. Miescher, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Preparation of 4-aryl-4-carbalkoxy-piperidines. 2,486,795, Nov. 1.
- Kaehms, Charles G., Oakland, Calif., assignor, by mesne assignments, to Southern Pacific Company. Flaw detector mounting and control. 2,461,984, Feb. 15.
- Kaemmerling, Gustav H., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,478,108, Aug. 2.
- Kahn, Henry, Chicago, Ill. Combination dental floss holder and toothbrush. 2,468,298, Apr. 26.
- Kahn, Leo M., New York, N. Y. Clothes-washing machine. 2,471,433, May 31.
- Kahn, Robert L., assignee: *See*—
Bussey, William H.
- Kaehni, Frank J. and W. L., Cleveland, Ohio. Spectroscope grating having spaced zones of diffraction lines. 2,463,280, Mar. 1.
- Kaehni, William L.: *See*—
Kaehni, Frank J. and W. L.
- Kagan, Benjamin S.: *See*—
Patterson, Glenn A., and Kagan.
- Kagan, Benjamin S., Moline, assignor to American Machine and Metals, Inc., East Moline, Ill. Sleeve press. 2,463,777, Mar. 8.
- Kagansky, Nachoum, Paris, France. Obtaining the subtitles of cinematograph films. 2,490,442, Dec. 6.
- Kagen, Simon, I. Rothenberg, and S. J. Gurewitz, New York, N. Y., said Gurewitz assignor to said Kagen and said Rothenberg. Apparatus for applying stripes of adhesive material. 2,476,097, July 12.
- Kahl, Joseph, New York, N. Y. Locking means for a hinged impact mass or weight for marine equipment. 2,462,268, Feb. 22.
- Kahl, Joseph, New York, N. Y. Psychrometer. 2,467,316, Apr. 12.

- Kahl, William E., West New York, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic detector. 2,477,337, July 26.
- Kahle Engineering Company, assignee: *See—*
Kahle, Louis C.
- Kahle, Louis C., Teaneck, assignor to Kahle Engineering Company, North Bergen, N. J. Assembling machine. 2,488,126, Nov. 15.
- Kahler, George V., and E. Ruede, New York, N. Y. Musical supporting arrangement. 2,484,411, Oct. 11.
- Kahler, Harry L., Feasterville, assignor to W. H. and L. D. Betz, Philadelphia, Pa. Protecting systems for transporting media corrosive to metal. 2,460,259, Jan. 25.
- Kahler, William H.: *See—*
Costa, Joseph L., and Kahler.
- Kahn, Bertrand B., Cincinnati, Ohio, assignor, by mesne assignments, to United Air Lines, Inc., Chicago, Ill. Gaseously expanding hollow rivets. 2,492,579, Dec. 27.
- Kahn, Edward, Queens Village, N. Y. Self-retaining uterine cannula. 2,482,622, Sept. 20.
- Kahn, George, Lawrence, and L. Schwartz, New York, N. Y. Adjustable fabric guiding attachment. 2,460,583, Feb. 1.
- Kahn, George, Lawrence, and L. Schwartz, New York, N. Y. Fabric guiding device and method. 2,460,584, Feb. 1.
- Kahn, Lawrence M., New York, N. Y. Dress form. 2,478,107, Aug. 2.
- Kahn, Leo M., Allen Park, N. Y. Balancing means for centrifugal clothes extractor. 2,475,029, July 5.
- Kähr, Gustaf, Stockholm, Sweden. Flooring consisting of laminated boards. 2,491,498, Dec. 20.
- Kahres, George B. and M. H., Lansing, Mich. Tractor trailer. 2,462,404, Feb. 22.
- Kahres, Martin H.: *See—*
Kahres, George B. and M. H.
- Kail, J. H., assignee: *See—*
Leonard, Caswell L.
- Kail, Karl A.: *See—*
Lowkrantz, Gunne, and Kail.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation Inc. Aviation trainer. 2,465,158, Mar. 22.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Flaps and retractable landing gear simulating means for grounded aviation trainer. 2,475,355, July 5.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation Inc. Simulated flight control loading and centering means for grounded aviation trainers. 2,485,291, Oct. 18.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Aviation trainer. 2,485,292, Oct. 18.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Aviation trainer artificial horizon simulator actuating means. 2,485,293, Oct. 18.
- Kail, Karl A., Montrose, Pa., assignor to Link Aviation, Inc., Binghamton, N. Y. Instrument simulating means for grounded aviation trainers. 2,487,758, Nov. 8.
- Kailer, Louis G., Evanston, assignor to Peerless Tool & Engineering Co., Chicago, Ill. Plug for automobile trouble lamp. 2,489,037, Nov. 22.
- Kaiser Company Inc., assignee: *See—*
Greyson, Frederick R.
Saylor, Wilbur A.
- Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Triazolyene triazines and preparation thereof. 2,473,797, June 21.
- Kaiser, Donald W., and J. T. Thurston, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkylene oxide condensation products of aliphatic acyl guanyleureas. 2,478,871, Aug. 9.
- Kaiser, Donald W., Riverside, and D. E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Mono-aryl isomelamines. 2,481,758, Sept. 13.
- Kaiser, Emil, assignor to Armour and Company, Chicago, Ill. Preparation of cholic and desoxycholic acids. 2,491,814, Dec. 20.
- Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. Cyclopentano perhydrophenanthrene compounds. 2,469,967, May 10.
- Kaiser Engineers, assignee: *See—*
Anthony, John B.
- Kaiser, Francis D., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Interwound coil. 2,482,489, Sept. 20.
- Kaiser-Frazier Corporation, assignee: *See—*
Berns, Harmon E.
Miller, John A.
- Kaiser, Henry J., Company, assignee: *See—*
Probst, Karl K.
- Kaiser, Otto, Dornach, assignor to Ciba Limited, Basel, Switzerland. Azo dyestuffs. 2,490,967, Dec. 13.
- Kaiser, Otto, Dornach, and E. Reich, Neue Welt, near Basel, Switzerland, assignors to Ciba Limited, Disazo dyes. 2,467,621, Apr. 19.
- Kaiser, Otto, Dornach, and R. Gunst, Basel, Switzerland, assignors to Ciba Limited. Azo-dyestuffs. 2,491,566, Dec. 20.
- Kaiser, Robert A., Flushing Heights, Long Island, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Aircraft control. 2,463,181, Mar. 1.
- Kajdan, Chester C.: *See—*
Rogers, Harold G., and Kajdan.
- Kajdan, Chester C., assignor to Irving Air Chute Co. Inc., Buffalo, N. Y. Parachute harness, pack, and life raft assembly. 2,467,037, Apr. 12.
- Kajdan, Chester C., assignor to Irving Air Chute Co. Inc., Buffalo, N. Y. Parachute harness, pack, and life raft assembly. 2,467,038, Apr. 12.
- Kalamazoo Stove & Furnace Co., assignee: *See—*
Cook, James M., and Lang.
Cook, James M., and Salter.
Jones, Merton D.
Lang, Robert C.
- Kalart Company, Inc., The, assignee: *See—*
Castedello, William.
Schwartz, Morris, and Castedello.
- Kalbach, John C., assignor to The American Metal Company, Limited, New York, N. Y. Fluidizing process for producing zinc. 2,485,604, Oct. 25.
- Kalfaian, Meguer, Asbury Park, N. J. Impulse counter. 2,476,303, July 19.
- Kalhoefer, Walter F., Bowie, Tex. Oil saver and sucker rod stripper. 2,480,371, Aug. 30.
- Kalikow, Irving, Swampscott, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,461,985, Feb. 15.
- Kalikow, Irving, West Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,461,986, Feb. 15.
- Kalin, Albert, Cleveland, Ohio. Governor. 2,466,438, Apr. 5.
- Kalin Corporation, assignee: *See—*
Devin, Burnis.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine cooling. 2,469,732, May 10.
- Kalitsinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Electrical indicator for free piston units. 2,485,154, Oct. 13.
- Kalitsinsky, Andrew, Eagleville, and W. A. Ledwith, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Assembly of free-piston units. 2,458,172, Jan. 4.
- Kalitsinsky, Andrew, Eagleville, and W. A. Ledwith, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Spill port control for free-piston units. 2,479,044, Aug. 16.
- Källe, Karl T., Saffie, Sweden. Apparatus for the automatic indication of the viscosity or concentration in liquids. 2,468,370, Apr. 26.
- Kallmann, Heinz E., Boston, Mass., assignor to Gyro-Balance Corporation, Greenwich, Conn. Balancing machine. 2,461,645, Feb. 15.
- Kallmann, Heinz E., New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Equalized delay line. 2,461,061, Feb. 8.
- Kallmann, Heinz E., New York, N. Y. Constant voltage source. 2,482,980, Sept. 27.
- Kalman, Nicholas L., Rutherford, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Synthetic rubber compositions. 2,480,478, Aug. 30.
- Kalmus, Henry P.: *See—*
Adler, Robert, and Kalmus.
- Kalmus, Henry P., Chicago, Ill., assignor to Zenith Radio Corporation. Phonograph pickup with mechanical filter. 2,473,650, June 21.
- Kalmus, Henry P., Oak Park, Ill., assignor to Zenith Radio Corporation. Modulated-oscillator type phonograph reproducing system. 2,489,378, Nov. 29.
- Kalmus, Henry P., Oak Park, Ill., assignor to Zenith Radio Corporation. Modulated-oscillator type signal translating apparatus. 2,489,379, Nov. 29.
- Kalon Radio Corp., assignee: *See—*
Schnabolk, Fred.
- Kaloyereas, Socrates A., assignor to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. Preservation of eggs by freezing. 2,471,626, May 31.
- Kals, Walter, Hastings on Hudson, assignor to Niagara Blower Company, New York, N. Y. Apparatus for separating oil from refrigerant vapors. 2,476,044, July 12.
- Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Post and clamp mechanism for cycle saddles. 2,471,627, May 31.
- Kamborian, Jacob S., West Newton, Mass. Apparatus for applying adhesive. 2,467,384, Apr. 19.
- Kamborian, Jacob S., West Newton, Mass. Method of and apparatus for lasting footwear. 2,467,385, Apr. 19.
- Kamborian, Jacob S., West Newton, Mass. Force-lasted shoe with end stiffener and making same. 2,467,386, Apr. 19.
- Kamborian, Jacob S., West Newton, Mass. Apparatus for progressively advancing workpieces through working zones. 2,467,387, Apr. 19.
- Kamborian, Jacob S., West Newton, Mass. Stiffening the toe portion of shoes. 2,467,388, Apr. 19.
- Kamborian, Jacob S., West Newton, Mass. Force-lasted shoe and making it. 2,467,389, Apr. 19.
- Kamborian, Jacob S., West Newton, Mass. Force-lasted shoe. 2,469,561, May 10.
- Kamborian, Jacob S., West Newton, Mass. Apparatus for applying adhesive to two adjacent surfaces simultaneously. 2,491,185, Dec. 13.

- Kamholtz, Richard, New York, N. Y. Extension table construction. 2,472,903, June 14.
- Kamin, George W., Lombard, assignor to Cribben and Sexton Company, Chicago, Ill. Stove construction. 2,486,564, Nov. 1.
- Kamin, Vernon A., Elgin, L. J. Mattingly, and R. R. Wingert, assignors to Motorola, Inc., Chicago, Ill. Television receiver cabinet and cathode-ray tube mounting. 2,458,368, Jan. 4.
- Kaminer, Bernard H., Brooklyn, N. Y. Key case. 2,482,623, Sept. 20.
- Kaminky, Herbert E., Chicago, Ill. Control for automatic coffee urns. 2,488,817, Nov. 22.
- Kaminky, Oscar H., Sycamore, Ill., assignor to First Industrial Corporation, Wilmington, Del. Switch operating mechanism. 2,468,683, Apr. 26.
- Kaminky, Oscar H., Sycamore, Ill., assignor to First Industrial Corporation, Wilmington, Del. Compact snap acting device. 2,476,045, July 12.
- Kaminky, Oscar H., Sycamore, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap acting device. 2,486,033, Oct. 25.
- Kaminski, Fred, Bisbee, Ariz. Ejector roasting fork. 2,483,546, Oct. 4.
- Kaminsky, Anatole, assignee: *See—*
Kaminsky, Victor V.
- Kaminsky, Victor V., Saranac Lake, N. Y., assignor of one-half to A. Kaminsky, Los Angeles, Calif. Indicating device. 2,476,098, July 12.
- Kamlet, Jonas, assignor to Boyle-Midway Inc., New York, N. Y. Air-deodorizing compositions. 2,464,043, Mar. 8.
- Kamlet, Jonas, assignor to Boyle-Midway Inc., New York, N. Y. Manufacture of meta-phenylene diamine. 2,464,044, Mar. 8.
- Kamlet, Jonas, New York, N. Y., assignor to Publisher Industries, Inc., Philadelphia, Pa. Tobacco composition. 2,483,418, Oct. 4.
- Kamlet, Jonas, assignor to Boyle-Midway Inc., New York, N. Y. Protecting metallic surfaces against tarnishing and corrosion. 2,475,186, July 5.
- Kamlet, Jonas, New York, N. Y., assignor to Publisher Industries Inc., Philadelphia, Pa. Grain fumigant. 2,483,605, Oct. 25.
- Kamlet, Jonas, New York, N. Y. Cream depilatory and preparing same. 2,487,558, Nov. 8.
- Kammerer, Archer W., Fullerton, Calif. Rotary drill bit. 2,466,991, Apr. 12.
- Kammerer, Charles J., Millburn, and A. N. MacKinnon, Tenafly, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Sand blasting machine. 2,484,625, Oct. 11.
- Kamphaus, George J., Indianapolis, Ind. Cigarette and cigar tray clasp. 2,479,369, Aug. 16.
- Kamphoefner, Fred J.: *See—*
Byrne, John F., and Kamphoefner.
- Kamps, John G., Long Beach, Calif. Gangway for ships. 2,466,708, Apr. 12.
- Kamrass, Ellis, New York, N. Y. Deep-drawn recessed decorated pleated dolly. 2,482,981, Sept. 27.
- Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil filter. 2,464,870, Mar. 22.
- Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil filter. 2,478,109, Aug. 2.
- Kanaley, Genevieve, Brooklyn, N. Y. Wheel attachment for luggage. 2,463,391, Mar. 1.
- Kanaske, Arthur, assignor to B. W. Waldie and G. L. Briggs, co-partners doing business as Behel and Waldie and Briggs, Chicago, Ill. Color exhibiting device. 2,481,672, Sept. 13.
- Kandle, Charles W., Chicago, Ill. Reamer for earth drilling. 2,480,372, Aug. 30.
- Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna unit. 2,465,379, Mar. 29.
- Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Protective coupling circuit. 2,485,606, Oct. 25.
- Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Loop antenna. 2,490,815, Dec. 13.
- Kandoian, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Tuning system. 2,492,155, Dec. 27.
- Kane, Anna, administratrix: *See—*
Foerste, William.
- Kane, Catherine B., Greenwich, Conn. Sanitary mattress. 2,461,062, Feb. 8.
- Kane, Frank A., Jr., Fairfield, Conn. Tube coupling. Re. 23,157, Oct. 25.
- Kane, Frank A., Jr., Fairfield, Conn. Tube coupling. 2,466,317, Apr. 5.
- Kane, Herbert W., Baton Rouge, La. Necktie clasp and spreader. 2,491,737, Dec. 20.
- Kane, Paul, Chicago, Ill., assignor to International Harvester Company. Wire tying baler. 2,485,001, Oct. 18.
- Kane, Thomas M., Baltimore, Md. Dual turret conveyor. 2,463,281, Mar. 1.
- Kane, Thomas M., Baltimore, Md. Automatic feeder and positioner. 2,482,916, Sept. 27.
- Kane, Thomas M., Sr., Baltimore, Md. Tomato coring mechanism. 2,475,142, July 5.
- Kang, Bun Po, Kearny, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition containing anti-static agent. 2,463,282, Mar. 1.
- Kangas, Ray W., Eveleth, Minn. Fluid-propelled airplane. 2,468,559, Apr. 26.
- Kanhofer, Elmer R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Distillation of hydrocarbons to remove fluorine compounds. 2,459,434, Jan. 18.
- Kanhofer, Elmer R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Mixing and separating apparatus. 2,460,987, Feb. 8.
- Kanhofer, Elmer R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Regenerating dehydrofluorinating catalysts. 2,467,484, Apr. 19.
- Kannenberg, Walter F.: *See—*
Edson, William A., and Kannenberg.
- Kannenberg, Walter F., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency selective apparatus. 2,460,090, Jan. 25.
- Kannenberg, Walter F., Lyndhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resonant wave guide switching. 2,466,439, Apr. 5.
- Kantenwein, Oscar E., Chicago, Ill. Stationary connector for termini of angularly disposed conveyers. 2,487,878, Nov. 15.
- Kanter, Jerome J., Palos Park, assignor to Crane Co., Chicago, Ill. Heat treatment. 2,470,988, May 24.
- Kantor, Abraham I., Bloomfield, N. J. Binding for linoleum. 2,472,081, June 7.
- Kantor, James, and E. F. Rosenberg, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Beverage premix system. 2,457,903, Jan. 4.
- Kantor, James, and E. Marovitz, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Filler valve for container filling machines. 2,461,326, Feb. 8.
- Kapel, Frank L.: *See—*
Mayner, Stanley, and Kapel.
- Kaplan, Jacob J., Boston, Mass. Photographic apparatus for recording theater attendance. 2,488,868, Nov. 22.
- Kaplan, Joseph, Philadelphia, Pa., M. L. Kaplan, New Rochelle, N. Y., and S. Williams, Philadelphia, Pa., assignors to Sightmaster Corp., New York, N. Y. Semi-transparent reflecting filter for cathode-ray tubes. 2,492,224, Dec. 27.
- Kaplan, Marvin, assignor to Video Television, Inc., New York, N. Y. Television antenna. 2,492,529, Dec. 27.
- Kaplan, Max, New York, N. Y. Two-part pocket case. 2,471,963, May 31.
- Kaplan, Max, New York, N. Y. Flexible bag with metal gusset. 2,473,489, June 14.
- Kaplan, Michael L.: *See—*
Kaplan, Joseph and M. L., and Williams.
- Kaplan, Rose R., assignee: *See—*
Widetsky, Robert.
- Kaplan, Sam G., assignee: *See—*
Widetsky, Robert.
- Kaplan, Saul, Teaneck, assignor to Onyx Oil & Chemical Company, Jersey City, N. J. Scrooping composition. 2,482,917, Sept. 27.
- Kaplinsky, Morris, Cape Town, Cape of Good Hope, Union of South Africa. Machine for the manufacture of ropes, cords, knitting wool, and the like. 2,476,736, July 19.
- Kaplowitz, Morris, Brooklyn, N. Y., assignor to Federal Manufacturing & Engineering Corp. Photographic shutter with cover blade and magnetic retarding means. 2,486,169, Oct. 25.
- Kapnek, William S., Philadelphia, Pa. Nail receiving metallic floor beam. 2,467,558, Apr. 19.
- Kapp, Charles F., Verona, Pa. Tire chain clip. 2,484,714, Oct. 11.
- Kapp, Roland: *See—*
Chodroff, Saul, Kapp and Beckmann.
- Knox, Lawrence H., and Kapp.
- Kappauf, William E., Princeton, N. J., and W. J. Brogden, Madison, Wis., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Interpupillary distance gauge having mirror means. 2,477,518, July 26.
- Kappeler, Hans, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland. Transmitting antenna with automatic tuning, particularly for aircraft wireless. 2,472,904, June 14.
- Kappes, Frank J., San Mateo, Calif. Garage door. 2,458,604, Jan. 11.
- Karsch, Morris S., Chicago, Ill., and E. C. Ladd, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Production of derivatives of bromo aliphatic acids. 2,476,668, July 19.
- Karasick, Mary K., executrix: *See—*
Karasick, Samuel.
- Karasick, Samuel, deceased, Great Barrington, Mass.: M. K. Karasick, executrix. Combined magnetic chuck and machine tool. 2,464,317, Mar. 15.
- Karasick, Samuel, deceased, Great Barrington, Mass.: M. K. Karasick, executrix. Permanent magnet field coupling. 2,470,249, May 17.
- Kardon, Emanuel S., Melrose Park, assignor to American Bag & Paper Corporation, Philadelphia, Pa. Shopping bag handle. 2,458,173, Jan. 4.
- Kardorff, Leon: *See—*
Gorfin, Alex M., and Kardorff.

- Kardos, Stephen J., Allentown, Pa. Spring equipped double cone tie. 2,460,753, Feb. 1.
- Karen Products, Inc., assignee: *See*—
Abercrombie, Charles W.
- Karfiol, Edward, Great Neck, and W. A. Roehm, Rockville Centre, assignors, by mesne assignments, to Virtu, Inc., Brooklyn, N. Y. Making shelf edging. 2,470,493, May 17.
- Karfiol, Edward, Great Neck, and W. A. Roehm, Rockville Centre, assignors, by mesne assignments, to Virtu, Inc., Brooklyn, N. Y. Decorative shelf edging. 2,477,300, July 26.
- Karge, Maxwell R., Brockport, N. Y. Device for turning slender work. 2,464,813, Mar. 22.
- Karish, Isaac, Los Angeles, Calif. Crossed leg pivoted back folding chair. 2,464,450, Mar. 15.
- Karl, George E., Liberty, Ind., assignor to General Implementation Corporation. Bearing structure. 2,474,980, July 5.
- Karlet, Joseph G., Roanoke, and A. G. Walker, Salem, Va., assignors to The Union Switch and Signal Company, Swissvale, Pa. Remote control system. 2,479,686, Aug. 23.
- Karlson, Emil and H. E., Quakertown, Pa. Treatment of scrap leather. 2,465,592, Mar. 29.
- Karlson, Harold E.: *See*—
Karlson, Emil and H. E.
- Karlsson, Eloy K.: *See*—
Hyman, Benjamin M., and Karlsson.
- Karlsson, Per H., Wellsville, N. Y., and R. S. Cooper, River Forest, Ill., assignors to The Air Preheater Corporation, New York, N. Y. Moisture control in heat recovery apparatus. 2,468,826, May 3.
- Karlsson, Per H., and A. Jensen, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Seal for high-pressure reactors. 2,480,248, Aug. 30.
- Karmazin, John, Grosse Ile, Mich. Manufacturing tubing. 2,475,566, July 5.
- Karmer Trenton Company, assignee: *See*—
Kramer, Nathan.
- Karmin, Irving, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Adjustable reactance line. 2,483,419, Oct. 4.
- Karns, James A., Akron, Ohio. Grip for golf clubs and the like. 2,468,202, Apr. 26.
- Karon, Melvin L.: *See*—
Arthur, Jett C., Jr., Karon, Fomes, and Altschul.
- Karp, Edward C., assignor to Sanitary Scale Company, Belvidere, Ill. Scale chart. 2,476,046, July 12.
- Karpel, William J.: *See*—
Julian, Percy L., Karpel, and Armstrong.
- Karpen, S., & Bros., assignee: *See*—
McDonald, Sterling B.
- Karper, Abraham S., Ellenville, N. Y. Filing device. 2,479,167, Aug. 16.
- Karr, Alfred D.: *See*—
Bancel, Paul A., Ditson, and Karr.
- Karr, Andrew, Brooklyn, assignor to American Cyanamid Company, New York, N. Y. Azeotropic distillation of acetone-trichloroacetone mixtures. 2,463,629, Mar. 8.
- Karr, Harry E., assignee: *See*—
Harding, Hiram R.
- Karr, Michael J., assignor to Atlas Press Company, Kalamazoo, Mich. Stop device for machine tools. 2,490,307, Dec. 6.
- Karr, Philip L., assignor to Excel Movie Products, Inc., Chicago, Ill. Film reel construction. 2,473,337, June 14.
- Karr, Richard D., Alhambra, Calif. Tunneling machine. 2,466,709, Apr. 12.
- Karrer, Josef, Zurich, assignor to Ateliers de Construction Oerlikon, Oerlikon, Switzerland. Multistage centrifugal blower with spiral casings. 2,483,643, Oct. 4.
- Karrer, Josef, Zurich, assignor to Ateliers de Construction Oerlikon, Zurich-Oerlikon, Switzerland. Steam-air thermal power plant. 2,486,291, Oct. 25.
- Karrer, Werner, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Steam-air-thermal power plant. 2,471,755, May 31.
- Karrick, Lewis C., Salt Lake City, Utah. Apparatus for making building material. 2,479,576, Aug. 23.
- Karson, Joseph A., Springfield, Mass. Illusion apparatus. 2,487,140, Nov. 8.
- Karson, Samuel, Cleveland, Ohio. Guard rail for perambulators. 2,461,063, Feb. 8.
- Karsteins, Walter F., assignee: *See*—
Hahn, Herman F.
- Kartaschoff, Valentin, Basel, assignor to Sandoz Ltd., Fribourg, Switzerland. Sulfurized phenolic tanning agents and their manufacture. 2,461,901, Feb. 15.
- Karvis, Raymond, Philadelphia, Pa. Fastener. 2,487,811, Nov. 15.
- Karwaki, Edward C., Chicago, Ill. Toy housing. 2,480,030, Aug. 23.
- Kasche, Clifford, Los Angeles, Calif. Portable swimming pool. 2,490,272, Dec. 6.
- Kase, Otto E., Valley Stream, assignor to Remington Rand Inc., New York, N. Y. Punching and sorting control mechanism. 2,476,444, July 19.
- Kash, Stephen M., Elkhart, Ind. Release mechanism for articulated lever wrenches. 2,489,895, Nov. 29.
- Kasik, Robert J., Chicago, Ill. Window stop. 2,472,216, June 7.
- Kaskouras, Thomas, Chicago, Ill. Lock. 2,458,002, Jan. 4.
- Kaslow, Arthur L., Hollywood, Calif. Gastrointestinal tube. 2,464,933, Mar. 22.
- Kaslow, Arthur L., Hollywood, Calif. Stomach irrigation tube. 2,492,384, Dec. 27.
- Kaslow, Ben E., assignee: *See*—
Brauch, Albert L.
- Kaslow, Christian E., and W. E. Bacon, Jr., Bloomington, Ind., assignors to Indiana University Foundation. 5-phenyl-5-sec. butyl barbituric acid. 2,491,815, Dec. 20.
- Kasner, Edward: *See*—
Andresen, John H., Jr., and Kasner.
- Kaspar Winkler & Co., assignee: *See*—
Schenker, Fritz A., and Shann.
- Kasper, Theodore C., and D. Hendry, U. S. Navy. Spark plug cutout device. 2,477,618, Aug. 2.
- Kasperek, Adam, assignee: *See*—
Kostka, Edward.
- Kasperowicz, Henry, assignor to A. B. Du Mont Laboratories, Inc., Passaic, N. J. Preparing and coating screen material on tubes. 2,485,607, Oct. 25.
- Kass, John C., Ravenna, Mich. Tractor hitch. 2,472,905, June 14.
- Kass, Lawrence W., assignor to Grip Nut Company, Chicago, Ill. Brake beam safety support. 2,459,323, Jan. 18.
- Kass, Samuel M., Philadelphia, Pa. Pipe clamp. 2,462,504, Feb. 22.
- Kastel, Ferdinand, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Can end feeding means. 2,491,263, Dec. 13.
- Kasten, Walter, Franklin, assignor to Renniks Company, Detroit, Mich. Pressure seal. 2,459,652, Jan. 18.
- Kasten, Walter, Franklin, assignor to Renniks Company, Detroit, Mich. Pressure seal. 2,481,121, Sept. 6.
- Kastner, Edward C., assignor to Akron Standard Mold Company, Akron, Ohio. Air bag extractor. 2,477,301, July 26.
- Kastning, Ernst H., Mamaroneck, and C. F. Lischer, Larchmont, assignors to William R. Warner & Co., Inc., New York, N. Y. Preparation of vinylideneacetonealkamine. 2,480,329, Aug. 30.
- Kaszuba, Frank J.: *See*—
Harsh, Harold C., Haff, and Kaszuba.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing a mixture of formamide and glycerol- α -chlorohydrin. 2,461,472, Feb. 8.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions having antistatic properties. 2,461,473, Feb. 8.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions having antistatic properties. 2,461,474, Feb. 8.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing ascorbic acid (vitamin C). 2,461,475, Feb. 8.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing lactones or hydroxy lactones. 2,461,476, Feb. 8.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing an unsaturated lactone. 2,461,477, Feb. 8.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions having antistatic properties. 2,461,478, Feb. 8.
- Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Phenoxalkylamines as accelerators for photographic developers. 2,482,546, Sept. 20.
- Katchel, Lyle T., La Crosse, Wis. Heated shoe tree for drying shoes. 2,481,930, Sept. 13.
- Katcher, Morris, New York, N. Y., and C. R. Mayo, Fairfield, Ill., said Mayo assignor to said Katcher. Pressure operated switch for hydraulic brake systems. 2,466,111, Apr. 5.
- Kather, Erich N.: *See*—
Brown, William C., and Kather.
- Kather, Erich N., South Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,462,869, Mar. 1.
- Kather, Erich N., South Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the cavity resonator type. 2,478,534, Aug. 9.
- Katterjohn, August H., assignor to Reed Roller Bit Company, Houston, Tex. Pneumatic drilling tool. 2,473,433, June 14.
- Katz, Abraham M., Freeport, N. Y. Dress. 2,478,110, Aug. 2.
- Katz, David: *See*—
Katz, Jacob and D.
- Katz, Francis J., Forest Hills, assignor to Hydopress, Incorporated, New York, N. Y. Metal bar straightening machine. 2,487,972, Nov. 15.

- Katz, Herman, Oakland, Calif. Adjustable target stage. 2,473,651, June 21.
- Katz, Jacob, Mattapan, and D. Katz, Brookline, Mass. Foot support. 2,468,264, Apr. 26.
- Katz, Leo, Los Angeles, Calif. Combined can and heater. 2,482,779, Sept. 27.
- Katz, Paul, Clayton, Mo. Cartridge-positioning guide. 2,476,552, July 19.
- Katz, William, assignor to Olympic Knitwear, Inc., New York, N. Y. Sweater. 2,492,097, Dec. 20.
- Katzen, Raphael, Eugene, Oreg., assignor, by mesne assignments, to Diamond Alkali Company, Cleveland, Ohio. Alkoxy lignin halide resins and process. 2,486,419, Nov. 1.
- Katzen, Raphael, Cincinnati, Ohio, and J. Pearlstein, Arlington, Va., assignors, by mesne assignments, to Diamond Alkali Company, Cleveland, Ohio. Treating ligno-cellulosic materials and resulting product. 2,491,499, Dec. 20.
- Katzenmeyer, Edwin and G. J. Webb, Akron, Ohio. Exhaust manifold clamp. 2,478,487, Aug. 9.
- Katzman, Jacob: See—
Dubilier, Philip, and Katzman.
- Katzow, Abram, Indianapolis, Ind. Heat operated compression refrigeration. 2,486,034, Oct. 25.
- Kauder, George J., Brooklyn, N. Y. Portable spot welder. 2,465,879, Mar. 29.
- Kauder, George J., Brooklyn, N. Y. Portable spot welder. 2,465,880, Mar. 29.
- Kauffman, Bergie L.: See—
Miller, Joshua, Kauffman, and Truelsen.
- Kauffman, Dorothy B., Cleveland, Ohio. Necktie holder or rack. 2,482,003, Sept. 13.
- Kauffman, Floyd L., Chicago, and W. M. Urbain, Western Springs, assignors to Swift & Company, Chicago, Ill. Preparing enzyme reagent. 2,492,580, Dec. 27.
- Kauffman, Leroy A., Washington, D. C. Machine for impregnating material with liquid. 2,474,254, June 28.
- Kauffman, Marie E.: See—
Damschroder, Rudolph E., and Kauffman.
- Kauffman, Theodore, Jr., and L. J. Jacobs, assignors to The S. Obermayer Co., Chicago, Ill. Refractory composition and method of producing same. 2,460,268, Feb. 1.
- Kaufman, Charles W., Tenafly, H. M. Burgess, Dumont, and F. Hollis, Jr., Weehawken, N. J., assignors to General Foods Corporation, New York, N. Y. Preparing dehydrated mashed potatoes. 2,481,122, Sept. 6.
- Kaufman, Daniel L., and R. E. Fleming, assignors to General Motors Corporation, Dayton, Ohio. Refrigerator, including a cabinet provided with a sliding door. 2,463,283, Mar. 1.
- Kaufman, Ralph G., New York, N. Y. Pipe smoker's dibbler. 2,460,937, Feb. 8.
- Kaufmann, Bruno, New York, N. Y. Reinforced dental facing. 2,475,244, July 5.
- Kaufmann, Charles, Ottawa, Ontario, and R. H. Hall, Shawinigan Falls, Quebec, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Apparatus for making carbon black. 2,492,481, Dec. 27.
- Kaufmann Corporation, The, assignee: See—
Kaufmann, Harry A.
- Kaufmann, Harry A., assignor to The Kaufmann Corporation, Detroit, Mich. Corner construction. 2,464,514, Mar. 15.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,461,496, Feb. 8.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,461,497, Feb. 8.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,472,772, June 7.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,478,157, Aug. 2.
- Kaufmann, Oliver W.: See—
Hand, David B., and Brereton, and Kaufmann.
- Kauke, John R., Washington, D. C. Magnetostriction hydrophone. 2,484,036, Oct. 11.
- Kaul, Emil W., Wyomissing, and H. E. Haehnel, West Reading, assignors to Textile Machine Works, Wyomissing, Pa. Fashioning mechanism for knitting machines. 2,489,141, Nov. 22.
- Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter. 2,491,861, Dec. 20.
- Kautz, Frederick, Glenolden, Pa. Structural member. Re. 23,136, July 19.
- Kautz, Frederick, Glenolden, Pa. Framing elements. Re. 23,153, Oct. 4.
- Kautz, Frederick, Glenolden, Pa. Frame structure for webbed material. 2,464,814, Mar. 22.
- Kavanaugh, Edward S., Notre Dame, Ind., assignor to one-half to E. M. Quinn, Oak Park, Ill. Extensible canopy. 2,486,170, Oct. 25.
- Kawecki, Henry C., Fleetwood, assignor to The Beryllium Corporation, Reading, Pa. Purification of ammonium beryllium fluoride. 2,490,633, Dec. 6.
- Kawecki, Henry C., Temple, assignor to The Beryllium Corporation, Reading, Pa. Production of potassium titanium fluoride. 2,475,287, July 5.
- Kawecki, Henry C., Temple, assignor to The Beryllium Corporation, Reading, Pa. Producing metallic beryllium and alloys of beryllium. 2,486,475, Nov. 1.
- Kawneer Company, The, assignee: See—
Ketchum, Morris, Jr.
Miller, James T.
- Kay-Brunner Steel Products, Inc., assignee: See—
Kadz, Harald D.
- Kay, Byron M.: See—
McClain, Ed., and Kay.
- Kay, Elten M., Chicago, Ill. Combined portable welding and pneumatic tool. 2,490,593, Dec. 6.
- Kay-Fries Chemicals, Inc., assignee: See—
Bitler, William P., and Tarsio, and Nicholl.
Nicholl, Leonard, and Elkinton.
Nicholl, Leonard, and Kesslin.
Nicholl, Leonard, Bitler and Aschner.
- Kay, Lorenz E.: See—
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.
- Kay Manufacturing Corporation, assignee: See—
Gauci, Joseph, and Krakauer.
- Kay, Murray, New York, N. Y. Kite. 2,484,096, Oct. 11.
- Kaye, George W.: See—
Shonnard, John R., and Kaye.
- Kaye, Robert L., Newark, N. J. Fog penetrating device. 2,481,225, Sept. 6.
- Kayer, Jean H., Hollywood, Calif. Fingernail guard. 2,458,709, Jan. 11.
- Kayler, Frank H.: See—
Kinne, Edmund P., and Kayler.
- Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,467,317, Apr. 12.
- Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Fifth-wheel mounting. 2,468,013, Apr. 19.
- Kayser, Guillaume M. A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Treatment of alkali cellulose. 2,473,954, June 21.
- Kazen, Mitchell C., assignor to General Motors Corporation, Detroit, Mich. Spare tire and wheel carrier. 2,485,740, Oct. 25.
- K'Burg, Paul B., and J. S. Reichert, Niagara Falls, N. Y., assignors to B. I. du Pont de Nemours & Company, Wilmington, Del. Bleaching wood pulp. 2,492,047, Dec. 20.
- Keagle, Stanley E., Minneapolis, Minn. Feeder. 2,485,832, Oct. 25.
- Keahey, Frank S., assignor to Kirsch Company, Sturgis, Mich. Coupling bearing. 2,475,393, July 5.
- Keahey, Frank S., Ypsilanti, assignor to Kirsch Company, Sturgis, Mich. Coupling rod bearing. 2,478,660, Aug. 9.
- Keall, Frank B., Swanage, Dorset, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Tack separating mechanism. 2,491,614, Dec. 20.
- Kean, Clare H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Structure for magnetostriction transducers. 2,490,273, Dec. 6.
- Keane, Charles C., assignor to Great Lakes Pipe Line Company, Kansas City, Mo. Apparatus for adding powdered dye to liquids. 2,473,474, June 14.
- Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Cracking oil with aerogel catalysts. 2,469,733, May 10.
- Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Preparation of a zinc aluminate-group VI metal oxide catalyst. 2,474,215, June 28.
- Kearfott Company, Inc., assignee: See—
Brigham, Charles W.
Emerson, John F.
- Kearney, Edward J., deceased, Wauwatosa, by O. W. Carpenter, Jr., special administrator, Fox Point, and J. B. Armitage, Wauwatosa, Wis., and W. M. Pohl, Hamden, Conn., assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission. 2,486,294, Oct. 25.
- Kearney, James R.: See—
Holke, Eugene E.
Tallman, Oscar F., Kearney, and Runde.
- Kearney, James R., Corporation, assignee: See—
Bowen, Thomas H.
Fox, Charles A.
Gesellschaft, Robert A.
Patton, Clydis J.
Rathert, Gustav W.
Rees, Ned J.
- Kearney & Trecker Corporation, assignee: See—
Armitage, Joseph B., and Heywood.
Guetzkow, Edward.
Hilnsky, Emil J.
Kearney, Edward J., Armitage, and Pohl.
Ocenasek, William F.
Parsons, Fred A.
- Kearns, Bernard A., and J. Decker, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Rotary pump and motor hydraulic transmission system. 2,473,711, June 21.

- Kearns, Charles M., Jr., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Dual rotation propeller with a damped flexible axial coupling between the two hubs. 2,464,773, Mar. 15.
- Kearns, Harry A., Uniontown, Pa. Clothes prop. 2,475,548, July 5.
- Kearns, Harry A., Uniontown, Pa. Muffler for telephone bells. 2,490,522, Dec. 6.
- Kearse, George P., assignor to American Phenolic Corporation, Chicago, Ill. Antenna system. 2,474,480, June 28.
- Kearsley, Edward P., Springfield, and E. J. Marciniak, Easthampton, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Golf club head. 2,486,952, Nov. 1.
- Kearsley, William K., Schenectady, A. F. Winslow, Scotia, and H. A. Liebhafsky, Schenectady, N. Y., assignors by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electric cell of the immersion type. 2,472,376, June 7.
- Kesbey & Mattison Company, assignee: *See*—Miller, Lewis B., and Seipt.
- Keating, John P., assignor to Durakool, Inc., Elkhart, Ind. Electromagnetic mercury relay. 2,474,000, June 21.
- Keating, Peter L., Baton Rouge, La. Shallow-water alarm. 2,490,217, Dec. 6.
- Kebrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Basic lead phosphite pigments. 2,483,469, Oct. 4.
- Keck, Harold P., Chicago, Ill., assignor to Mutual Manufacturing Co. Presser's sleeve shaper. 2,478,488, Aug. 9.
- Keck, Ray L.: *See*—Sammis, Louis B., and Keck.
- Keebler, William C., Washington, D. C. Toolholder. 2,485,052, Oct. 18.
- Keefer Industries, assignee: *See*—Keefer, Leonard O.
- Keefer, Leonard O., assignor to Keefer Industries, Spokane, Wash. Bleed valve. 2,469,505, May 10.
- Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,468,614, Apr. 19.
- Keel, James M., Birmingham, Ala. Making real estate charts. 2,484,412, Oct. 11.
- Keelavite Company, Limited, The, assignee: *See*—Johnson, Edwary H.
- Keeler Brass Company, assignee: *See*—Clark, Earle W.
- Keeler, E., Company, assignee: *See*—Wallin, Joseph W.
- Keeley, James A.: *See*—Scott, David C., and Keeley.
- Keeling, William O., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Heating cooking retort ovens with enriched mixtures of fuel gas. 2,458,515, Jan. 11.
- Keeling, William O., assignor to Koppers Company, Inc., Pittsburgh, Pa. Refining light oil products. 2,484,834, Oct. 18.
- Keeman, Willem: *See*—Frakke, Frits, Keeman, and Rodenhuis.
- Keen, Frank M., assignee: *See*—Tooley, James J.
- Keen, Harold H., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Data storage device in printing machines. 2,478,277, Aug. 9.
- Keenan, Henry W., Hale, near Liverpool, and J. H. Jellinek, Harrogate, assignors to Beck, Koller and Company, (England) Limited, Speke, Liverpool, England. Apparatus for measuring the drying time of surface-coating materials. 2,488,869, Nov. 22.
- Keenan, James M.: *See*—Wildbore, Wilfred J. L., and Keenan.
- Keenan, Walter, Little Falls, N. J. Nonrefillable bottle. 2,472,950, June 14.
- Keene, Donald: *See*—Green, Samuel S., and Keene.
- Keene, Kenneth L., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Boot with reinforced toe structure. 2,486,953, Nov. 1.
- Keene, Lester E., Newtonville, and S. R. Walsh, South Attleboro, Mass., assignors to H & B American Machine Company. Textile spindle. 2,479,168, Aug. 16.
- Keene, Lester F., Revere, Mass. Ejecting means for molding apparatus. 2,492,483, Dec. 27.
- Keene, Paul A., Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Apparatus for controlling the concentration of solutions which tend to foam. 2,490,634, Dec. 6.
- Keene, Walter E., Baltimore, Md. Lighter. 2,480,139, Aug. 30.
- Keene, Walter L., Dormont, assignor to Superior Steel Corporation, Carnegie, Pa. Composite billet and manufacture thereof. 2,473,686, June 21.
- Keene, Walter L., Dormont, and W. A. Carlson, assignors to Superior Steel Corporation, Pittsburgh, Pa. Bi-metallic billet. 2,468,206, Apr. 26.
- Keeney, Paul E., Portland, Oreg. Logging block. 2,464,451, Mar. 15.
- Keeprite Corporation, assignee: *See*—Bennett, Frank M., and Weaver.
- Kees, Harvey: *See*—Caraway, John B., Jr., and Kees.
- Keese, Beverly W.: *See*—Rockwell, Walter F., and Keese.
- Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Drive axle. 2,460,295, Feb. 1.
- Keeling, Thomas B., Campbell, Calif., assignor to Food Machinery and Chemical Corporation. Bearing lubrication and sealing. 2,492,484, Dec. 27.
- Keetch, William A., assignor to Lord Manufacturing Company, Erie, Pa. Engine mounting. 2,460,586, Feb. 1.
- Keeton, Hollis, San Angelo, Tex. Check protector. 2,491,816, Dec. 20.
- Keevil, Henry W.: *See*—Barnes, Walter C., and Keevil.
- Kefenstein, Charles G., assignee: *See*—Ayers, Fred L.
- Kegan, Albert I., assignee: *See*—Lehnhierr, June L.
- Kegevic, Paul A., Chicago, Ill. Type soldering jig. 2,486,171, Oct. 25.
- Kehl, Henry L., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Straightening machine. 2,487,141, Nov. 8.
- Kehoe, Joseph W., Wilkinsburg, and J. B. Dym, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance welding using partially sheared out projections. 2,462,199, Feb. 22.
- Kehrer, Fritz: *See*—Wehrli, Walter, and Kehrer.
- Keier, William H., Toledo, Ohio. Safety strip. 2,482,982, Sept. 27.
- Keighley Laboratories Limited, assignee: *See*—Miller, Charles P.
- Keight, Albert W., and F. F. Sutherland, Cumberland, Md., assignors to Celanese Electric Corporation of America. Creel. 2,490,874, Dec. 13.
- Keil, Harry L.: *See*—Woodward, Charles F., Howard, Keil, and Well.
- Keil, Havard L., Clarendon Hills, and R. H. Borkenhagen, assignors to Armour and Company, Chicago, Ill. Blood product containing oxidized heme and preparing same. 2,466,710, Apr. 12.
- Keil, Havard L., Clarendon Hills, and J. S. Ingraham, assignors to Armour and Company, Chicago, Ill. Treatment of proteins. 2,477,255, July 26.
- Keil, Otto C., Jr., Quakertown, and J. H. Lofton, Haverstown, assignors to Philco Corporation, Philadelphia, Pa. Tuning indicator system. 2,472,536, June 7.
- Kellen, John J., Jr.: *See*—Pollak, Arthur, Keilen, Jr., and Drum.
- Keim, Charles J.: *See*—Maler, August R., and Keim.
- Keim, David Y., Garden City, N. Y., assignor to The Sperry Corporation. Pulse modulator. 2,485,608, Oct. 25.
- Keim, Donald B., Bridgeport, Conn., assignor to General Electric Company. Trimmer capacitor. 2,464,582, Mar. 15.
- Keim, Donald B., Bridgeport, Conn., assignor to General Electric Company. Supporting device for cathode-ray tubes. 2,471,154, May 24.
- Keim, Donald B., Bridgeport, Conn., assignor to General Electric Company. Multiple tuning system. 2,477,985, Aug. 2.
- Keiper, Edwin H., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Single roll crusher with opposed toothed-apron feed. 2,464,774, Mar. 15.
- Keiper, Edwin H., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Reversible hammer mill with power-driven impactor surfaces. 2,471,068, May 24.
- Keiper, Francis P.: *See*—Hallerstrom, Harold C., and Keiper.
- Keir, James M., Bronxville, and E. A. Clapp, Niagara Falls, N. Y., assignors to The Linde Air Products Company. Method of and apparatus for electrically welding studs to surfaces. 2,474,531, June 28.
- Keirsey, Robert C., Roy, N. Mex. Tilting animal chute. 2,483,909, Oct. 4.
- Keiser, Bernard: *See*—De Groot, Melvin and Keiser.
- Keith, James F., West Asheville, assignor to American Enka Corporation, Enka, N. C. Winding rayon. 2,466,852, Apr. 12.
- Keith, Kenneth M.: *See*—Ronning, Martin, and Keith.
- Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Synthesizing motor fuels of high antiknock values. 2,470,216, May 17.
- Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis. 2,472,377, June 7.
- Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Controlling catalytic exothermic reactions of gasiform reactants. 2,479,496, Aug. 16.
- Keizer, Eugene G.: *See*—Fisher, Harold G., and Keizer.
- Keizer, Eugene G., Princeton, N. J., assignor to Radio Corporation of America. Control circuits for alternating current transmission networks. 2,488,410, Nov. 15.

- Keizer, Eugene O., H. Johnson, V. D. Landon, and R. L. Harvey, Princeton, N. J., assignors to Radio Corporation of America. Ultra high frequency transmitter. 2,490,968, Dec. 13.
- Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Variable-speed transmission. 2,466,244, Apr. 5.
- Kelco Company, assignee: *See*—
Steiner, Arnold B.
Steiner, Arnold B., and McNeely.
Steiner, Arnold B., and Rothe.
Steiner, Arnold B., and Sperry.
Vallandigham, Vance V.
- Keleher, William H., Chicago, Ill., assignor to Merchants Despatch Transportation Corporation and Northern Refrigerator Line Incorporated. Meathook. 2,480,479, Aug. 30.
- Keleher, William H., Chicago, Ill., and R. E. Powers, East Rochester, N. Y., assignors to Merchants Despatch Transportation Corporation and Northern Refrigerator Line Incorporated. Well trap for refrigerator cars. 2,480,480, Aug. 30.
- Kelhoff, Florence, Elizabeth, N. J. Scalp treating device. 2,464,583, Mar. 15.
- Keljik, Barte A., Minneapolis, Minn. Barbecue apparatus. 2,485,890, Oct. 25.
- Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Direct current insertion circuit. 2,463,038, Mar. 1.
- Kellaher, Gillis C., and C. Elsasser, assignors to R. M. Wade & Co., Portland, Oreg. Pipe coupler. 2,490,907, Dec. 13.
- Kelle, Arthur C., Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fluid pressure actuated switch. 2,464,237, Mar. 15.
- Kelleher, Daniel, Berea, assignor to Ira Saks, Shaker Heights, Ohio. Balancing machine chuck. 2,464,871, Mar. 22.
- Kelleher, Lynden M., San Francisco, Calif. Transitory garment. 2,469,302, May 3.
- Keller, Arthur C., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compressional wave translating device. 2,466,112, Apr. 5.
- Keller, Arthur C., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-mechanical transducer. 2,484,626, Oct. 11.
- Keller Brass Company, assignee: *See*—
Jakeway, Gerald V.
- Keller Company, The, assignee: *See*—
McDonald, Paul F.
- Keller, Curt, Kusnacht, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Tubing for heat exchangers operated at high temperatures and pressures. 2,476,666, July 19.
- Keller, Curt, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Sealing arrangement for the shafts of turbomachines of thermal power plants in which the greater part of a gaseous medium continuously describes a closed cycle under pressure above atmospheric. 2,485,447, Oct. 18.
- Keller, Donald E., Millersport, Ohio. Heated drinking vessel. 2,460,509, Feb. 1.
- Keller, Edwin G., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure responsive selector valve. 2,466,441, Apr. 5.
- Keller, Ernst, assignor to J. R. Geigy A. G., Basel, Switzerland. Azo-azoxy dyes. 2,466,245, Apr. 5.
- Keller, Ernst, assignor to J. R. Geigy A. G., Basel, Switzerland. Stibene azo dyes. 2,468,204, Apr. 26.
- Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Substantive triazeneazo dyes. 2,459,435, Jan. 18.
- Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Stibene bis triazole azo dyes. 2,462,405, Feb. 22.
- Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Water soluble triazine condensation products and making same. 2,473,475, June 14.
- Keller, Ernst, and F. Roggen, Zurich, Switzerland. Magnetic transducer with wear-resistant guide surfaces. 2,484,097, Oct. 11.
- Keller, Frank R., Coraopolis, Pa., assignor to General Motors Corporation, Detroit, Mich. Electrodeposition of copper. 2,462,870, Mar. 1.
- Keller, Fred M., Grand Rapids, Mich. Handle and operating lever assembly for flushing tanks. 2,468,203, Apr. 26.
- Keller, George H.: *See*—
Young, Raymond W., and Keller.
- Keller, Hans, and H. Blatter, Wettingen, and W. Imobersteg, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electric valve device. 2,478,764, Aug. 9.
- Keller, Hugo F., Oneida, L. E. Johnson, Canastota, and P. E. Froess, Oneida, N. Y. Aviation liquid antifreeze display marker. 2,483,285, Sept. 27.
- Keller, Jakob, Zurich, Switzerland. Device for manufacturing thin-walled containers open at one end. Re. 23,095, Mar. 29.
- Keller, Louis P., Chicago, Ill. Corsetry. 2,490,187, Dec. 6.
- Keller, Margot, assignee: *See*—
Sorrell, Anne.
- Keller, Nellie G. and W. J., St. Louis, Mo. Refrigerated fan guard. 2,474,109, June 21.
- Keller, Oscar: *See*—
Steiger, Norbert, and Keller.
- Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electrical primary regulator. 2,484,513, Oct. 11.
- Keller, Robert B., assignee: *See*—
Walker, Marvin J.
- Keller, Sidney, Park Ridge, and D. W. Fentress, Barrington, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Flexible connector. 2,470,989, May 24.
- Keller, Spencer B., Handley, W. Va. Internal grinding tool. 2,483,773, Oct. 4.
- Keller, Theodore E.: *See*—
Rudberg, Julius, and Keller.
- Keller Tool Company, assignee: *See*—
Shaff, Ernest H.
Taylor, John L.
- Keller, William: *See*—
Dunner, Theodore, and Keller.
- Keller, William J.: *See*—
Eppler, Walter T., and Keller.
Keller, Nellie G. and W. J.
- Keller, William M., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Railway car truck. 2,475,327, July 5.
- Keller, William M., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Wheel slide control device. 2,491,666, Dec. 20.
- Kellett, John, III: *See*—
Johnson, George C., and Kellett, III.
- Kellett, John, III, and H. E. Rasmussen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous catalytic process for the acylation of thiophenes. 2,458,514, Jan. 11.
- Kelley, Benjamin F., Tulsa, Okla. Antifouling device for cathodes. 2,475,899, July 12.
- Kelley, Carl S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,487,142, Nov. 8.
- Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,459,883, Jan. 25.
- Kelley, Clara L., Chicago, Ill. Fluting attachment for irons. 2,465,881, Mar. 29.
- Kelly, Edward E.: *See*—
Kacena, John, and Kelly.
- Kelly, Elton K., Houston, Tex., assignor to Raytheon Manufacturing Company, Newton, Mass. Filament support for electric space discharge tubes. 2,467,390, Apr. 19.
- Kelley, Eugene B., Little Rock, and H. B. Davis, North Little Rock, Ark. Dolly for railway cars, vehicles, and other objects. 2,469,042, May 3.
- Kelley, Floyd M., Jacksonville, Fla. Tape holder. 2,486,713, Nov. 1.
- Kelley, Gilbert A., assignor to Surface Combustion Corporation, Toledo, Ohio. Air conditioning apparatus. 2,479,936, Aug. 23.
- Kelley-Koett Manufacturing Co., The, assignee: *See*—
Feibel, Adolph H.
Sussin, David.
Todd, William L., and Greenberg.
- Kelley, Louis J.: *See*—
Roy, Cleeland, Kelley, and Davis.
- Kelley, William H., assignor of one-half to K. B. Pierce, Pittsburg, Kans. Mold. 2,483,286, Sept. 27.
- Kelley, William T., Plainview, Tex. Directional signal and stop light for vehicles. 2,486,476, Nov. 1.
- Kelley Island Lime and Transport Company, The, assignee: *See*—
Dickey, Ralph L., and Beatty.
- Kellner, Paul, assignor to Dukay Machinery Corporation, New York, N. Y. Pan greasing machine. 2,459,324, Jan. 18.
- Kellner, Walter H.: *See*—
Miller, Albert E., and Kellner.
- Kellogg, Henry B., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Preventing stains on photographic color material during drying following exposure, bleaching, and fixing treatment. 2,487,446, Nov. 8.
- Kellogg, Bruce H., Los Angeles, Calif., assignor to Wright Aeronautical Corporation. Fluid flow control. 2,487,655, Nov. 8.
- Kellogg Company, assignee: *See*—
Thompson, Joseph J., and Penty.
- Kellogg, Edward W., Haddonfield, N. J., assignor to Radio Corporation of America. Volume controlled sound reinforcement system. 2,468,205, Apr. 26.
- Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Magnetic shielding. 2,463,778, Mar. 8.
- Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Light slit projection system with field flattening lens. 2,478,698, Aug. 9.
- Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Rear-projection screen. 2,480,031, Aug. 23.

- Kellogg, Edward W., Haddonfield, and W. R. Isom, West Collingswood, N. J., assignors to Radio Corporation of America. Claw pull-down mechanism. 2,484,348, Oct. 11.
- Kellogg, George W., Flint, assignor to General Motors Corporation, Detroit, Mich. Electroplating copper containing coating. 2,463,039, Mar. 1.
- Kellogg, Homer G., Highland Park, assignor to Motor Products Corporation, Detroit, Mich. Method and apparatus for assembling parts. 2,473,590, June 21.
- Kellogg, John L., Chicago, assignor, by mesne assignments, to J. L. Kellogg & Co., South Elgin, Ill. Dehydrating food products. 2,467,318, Apr. 12.
- Kellogg, John L., Chicago, Ill. Making and bottling carbonated beverages. 2,478,169, Aug. 9.
- Kellogg, John L., & Co., assignee: See—
Kellogg, John L.
- Kellogg, Joseph, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Fluid pressure system. 2,488,086, Nov. 15.
- Kellogg, M. W., Company, The, assignee: See—
Ashton, Everett H., Mallard, and Mastriani.
Belchetz, Arnold.
Borcherding, Walter H.
Dickinson, Norman L.
Holt, Donald C.
Houghland, Glen S.
King, Charles C.
Lake, Francis G., and Colonas.
Lake, Francis G., and Mastriani.
Lake, Francis G., and Trimmer.
Layng, Edwin T.
Lundgren, William E.
McGrath, Henry G., Passino, and Rubin.
Moorman, Joseph W.
Passino, Herbert J.
Passino, Herbert J., and Meyers.
Pyzel, Robert.
Rinne, John.
Rossheim, David B., Fichtmueller, and Schenk.
Schwarzenbek, Eugene F., and Moorman.
Trumpler, Paul R.
- Kellogg Switchboard and Supply Company, assignee: See—
Bellamy, John I.
Blyholder, Orlando.
Bosh, James E.
Earle, Edwin L.
- Kellogg, Warren C., and E. Hanshaw, assignors to Reniks Company, Detroit, Mich. Reed seal for rotating equipment. 2,459,654, Jan. 18.
- Kellogg, Wilburn, Pretty Prairie, Kans. Combined screen and Venetian blind unit for window frames. 2,467,431, Apr. 19.
- Kellogg, William M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic gain control system. 2,492,363, Dec. 27.
- Kells, Edward L., Alhambra, and D. H. Larsen, Los Angeles, Calif. Apparatus for measuring oxygen. 2,476,304, July 19.
- Kellum, James J., U. S. Navy, Miami, Fla. Tumble balance anchor shank. 2,468,077, Apr. 26.
- Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Friction hinge. 2,488,127, Nov. 15.
- Kelly, Daniel A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Leather drying unit. 2,484,349, Oct. 11.
- Kelly, Delia, executrix: See—
Kelly, William M.
- Kelly, Earl M.: See—
Kivari, Arthur M., and Kelly.
- Kelly, Earl M., Los Angeles, Calif. Treating of turbid liquids. 2,477,459, July 26.
- Kelly, Edgar O. J., assignor to Newton, Lansdowne & Company Limited, London, England. Lock. 2,480,481, Aug. 30.
- Kelly, Edwin R. L., Neuse, N. C. Tractor-mounted timber sawing apparatus. 2,461,384, Feb. 8.
- Kelly, Ernest B., Chicago, Ill., assignor to Myerson Tooth Corporation, Cambridge, Mass. Forming artificial teeth. 2,474,676, June 28.
- Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical measuring system. 2,461,425, Feb. 8.
- Kelly, George M., Sturgis, assignor to Douglas Manufacturing Company, Bronson, Mich. Vacuum cleaner. 2,464,401, Mar. 15.
- Kelly, Howard E., Los Angeles, Calif., and H. A. Howard, Seattle, Wash. Apparatus for packing asparagus. 2,458,858, Jan. 11.
- Kelly, Hugh S., Jr., Haddon Heights, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Separation process. 2,492,098, Dec. 20.
- Kelly, John H., Jr., Wabash, Ind., assignors to The General Tire & Rubber Company, Akron, Ohio. Reclaiming elastomers. 2,477,809, Aug. 2.
- Kelly, John M., assignor to Gerity-Michigan Corporation, Adrian, Mich. Safety guard for buffing machines. 2,491,269, Dec. 13.
- Kelly, Richard: See—
Terry, Victor J., and Kelly.
- Kelly, Richard, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Power supply system for carrier communication systems. 2,474,255, June 28.
- Kelly, Ted, Port Angeles, Wash. Screw actuated tire press with circumferentially distributed thrust elements. 2,485,202, Oct. 18.
- Kelly, Walter, Jr.: See—
Heimbach, Newton, and Kelly, Jr.
- Kelly, Walter J., assignee: See—
Freund, William J.
- Kelly-Wheaton Company, assignee: See—
Wheaton, Estel O.
- Kelly, William: See—
Goldberg, Alan A., Kelly, and Turner.
- Kelly, William M.: See—
Striplin, Marcus M., Jr., and Kelly.
- Kelly, William M., Westfield, N. J.; D. Kelly executrix of said W. M. Kelly, deceased. Bed motion for printing presses. 2,489,712, Nov. 29.
- Kelly, William W., Shaker Heights, Ohio. Salted nuts and making the same. 2,468,078, Apr. 26.
- Kelrick, Bernice S., New York, N. Y. Refuse bag holder or the like. 2,462,973, Mar. 1.
- Kelsay, Le Roy W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Termination for coaxial cables. 2,475,787, July 12.
- Kelsey, Alwyn L., North Hollywood, A. L. Hiebert, Beverly Hills, H. G. Tasker, Van Nuys, and W. E. Osborne, Los Angeles, assignors to Gilfillan Bros., Inc., Los Angeles County, Calif. Electronic angle indication with particular reference to radar systems. 2,483,644, Oct. 4.
- Kelsey, Cadwallader W., Troy, N. Y. Mowing attachment for rotary soil tillers. 2,466,594, Apr. 5.
- Kelsey-Hayes Wheel Company, assignee: See—
Heyart, Charles P., and Ross.
Ploehn, John H.
Potter, Elbert L., and Swenson.
Sinclair, Charles W.
Sneed, John.
- Kelsey, Robert A., Glendale, Calif. Garment hanger. 2,470,079, May 10.
- Kelsh, Harry T., Washington, D. C. Stereoscopic projection map-making instrument. 2,492,870, Dec. 27.
- Kelson, Malcolm J., Sr., Detroit, Mich. Cooling system for engines. 2,478,489, Aug. 9.
- Kember, Federico C., Buenos Aires, Argentina. Emergency roadwheel assembly for automobiles. 2,460,178, Jan. 25.
- Kemler, Emory N.: See—
Smith, Marvin M., and Kemler.
- Kemler, Emory N., Birmingham, Ala., assignor to Muncie Gear Works, Inc., Muncie, Ind. Heat pump. 2,463,881, Mar. 8.
- Kemline Metal Products Company, Inc., assignee: See—
Midouhas, Stephen P.
- Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Light intensity control for railway signal lamps. 2,478,403, Aug. 9.
- Kemmett, Reinhold, Everett, Wash. Lock bolt. 2,461,284, Feb. 8.
- Kemp, Charles B., assignee: See—
Siebigteroth, Maximilian.
- Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Manufacturing motor fuel. 2,461,064, Feb. 8.
- Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Manufacturing motor fuel. 2,461,065, Feb. 8.
- Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Phosphoric acid ester of hydrogenated sulfurized cardanol. 2,475,143, July 5.
- Kemp, Norman P.: See—
Walter, George R., and Kemp.
- Kemp, Robert E.: See—
Bouwkamp, Harvey L., and Kemp.
- Kemper, Harry C.: See—
Groene, William F., and Kemper.
Le Blond, Richard K., and Kemper.
Siekman, Harold J., and Kemper.
- Kemper, James M., Hollywood, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cabin pressure control system. 2,463,489, Mar. 1.
- Kemper, James M., Hollywood, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cabin pressure regulator. 2,463,491, Mar. 1.
- Kemper, James M., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cabin pressure control system. 2,463,490, Mar. 1.
- Kemper, James M., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cabin pressure regulator. 2,491,270, Dec. 13.
- Kemper, Ralph D., Springettsbury Township, York County, assignor to York Corporation, York, Pa. Milk can cooler. 2,479,011, Aug. 16.
- Kempf, Louis W.: See—
Hunsicker, Harold Y., and Kempf.

- Kempf, Norman W., Auburndale, Mass., and H. H. Hoben, River Forest, Ill., assignors, by mesne assignments, of fifty per cent to General Foods Corporation, New York, N. Y. Chocolate products. 2,480,935, Sept. 6.
- Kemplin, Ray V., Chicago, Ill. Self-fastening cord holder. 2,472,300, June 7.
- Kempt, William R., Oakland, Calif. Shockproof dial indicator. 2,486,293, Oct. 25.
- Kemphorn, David C., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Apparatus for producing hollow rubber articles. 2,468,760, May 23.
- Kemphorne, James L., Montclair, N. J. Rolling device. 2,481,021, Sept. 6.
- Kempton, Leslie A., St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill. Multiple check valve. 2,458,710, Jan. 11.
- Kempton, Leslie A., assignor to The Dole Valve Company, Chicago, Ill. Mixer valve and control. 2,489,896, Nov. 29.
- Kem-Stone Products Company, Inc., assignee: *See*—Livingstone, William.
- Kenck, Richard C., Augusta, Mont. Buck rake winch clutch and brake control. 2,457,904, Jan. 4.
- Kendall, Almon J., Atlanta, Ga. Special type valve stem dislodging tool. 2,492,482, Dec. 27.
- Kendall Company, The, assignee: *See*—Homeyer, Henry N., Jr.
Martin, John B.
Savage, Lawrence A.
Ziegler, Paul F.
- Kendall, Edward, Evanston, Wyo. Truck loading shovel. 2,476,667, July 19.
- Kendall, Floyd J., assignor to The Springfield Metallic Casket Co., Inc., Springfield, Ohio. Handle attaching means. 2,485,833, Oct. 25.
- Kendall, Harold G., assignee: *See*—Fritzinger, George H.
- Kendall, Ira H., Potsdam, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Receptacle handling apparatus. 2,473,955, June 21.
- Kendall, John D., and D. J. Fry, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Production of pyrazolone azo dyes. 2,457,823, Jan. 4.
- Kendall, John D., and D. J. Fry, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Production of pyrazole-5-ones. 2,459,226, Jan. 18.
- Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Hydrocarbon-thio-cyclohexenones. 2,465,882, Mar. 29.
- Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Production of dyestuff intermediates. 2,465,883, Mar. 29.
- Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Cyanine dyestuffs. 2,471,488, May 31.
- Kendall, John D., H. G. Suggate, and H. W. Wood, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Cyanine dyestuffs and dyestuff intermediates. 2,474,426, June 28.
- Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Production of cyanine dyestuffs. 2,481,022, Sept. 6.
- Kendall Machine and Tool Company, assignee: *See*—Bugg, Kenly C.
Myers, John T.
- Kending, Ernest K., Flushing, N. Y. Hair drier. 2,474,427, June 28.
- Kendrick, John F., Elizabeth, N. J. Nut or bolt lock. 2,460,131, Jan. 25.
- Kendrick, William, Orange, Calif. Leakage reactance transformer. 2,491,567, Dec. 20.
- Kennmildon Inc., assignee: *See*—Thompson, Frank W.
- Kennecott Copper Corporation, assignee: *See*—Carvajal, Roberto, and Quiroga.
Helks, Ray E.
Martin, Rutherford B.
- Kennedy, Arthur, Wood-Ridge, N. J., assignor to A. F. Smucker and C. C. Cullen, doing business as A. F. Smucker & Company, New York, N. Y. Photoflash synchronizer with tripper-operated safety switch. 2,471,219, May 24.
- Kennedy, Benjamin H., Pittsford, N. Y. Utility stand. 2,469,232, May 3.
- Kennedy, C. F. E., assignee: *See*—Douglas, Luther A.
- Kennedy, Carlton L., South Braintree, and K. W. MacDonald, Watertown, Mass., assignors to The Seamless Rubber Company, New Haven, Conn. Surgical bandage. 2,473,062, June 14.
- Kennedy, Dewey M., Rochester, N. Y. Infant bathing device. 2,458,003, Jan. 4.
- Kennedy, Dewey M., Rochester, N. Y. Supporting stand and shelf. 2,484,382, Oct. 11.
- Kennedy, Donald F., Littlethorpe, England. Structure for protecting, screening, shading, and similarly nurturing plants and the like. 2,465,593, Mar. 29.
- Kennedy, Earl M., Cleveland, Ohio. Confection product. 2,464,515, Mar. 15.
- Kennedy, Earnest R., and L. E. Kennedy, Defiance County, Ohio. Reversible propeller. 2,472,836, June 14.
- Kennedy, Edgar S., Wayne, and F. C. Wedler, Media, Pa., assignors to American Viscose Corporation, Wilmington, Del. Electrostatic control of fibres. 2,468,827, May 3.
- Kennedy, Frank H., New York, N. Y. Making inflated articles. 2,470,990, May 24.
- Kennedy, Frank J., Ann Arbor, Mich. Fishing lure. 2,485,448, Oct. 18.
- Kennedy, Gilbert J., Philadelphia, Pa., assignor to Radio Corporation of America. Capacitor end filling machine. 2,483,910, Oct. 4.
- Kennedy, Horace J., Hartford, Conn., assignor to Colt's Manufacturing Company. Full automatic pistol. 2,462,505, Feb. 22.
- Kennedy, Jerome F., London, England. Holder for containers, such as jars, bottles, canisters, and the like. 2,480,411, Aug. 30.
- Kennedy, John B., Baltimore, Md. Shirt and attachment therefor. 2,477,302, July 26.
- Kennedy, Joseph E., New York, N. Y. Reversible mantle for gyratory crushers. 2,467,938, Apr. 19.
- Kennedy, Joseph E., New York, N. Y. Material drying apparatus. 2,469,562, May 10.
- Kennedy, Joseph E., New York, N. Y. Tube mill. 2,486,477, Nov. 1.
- Kennedy, Joseph E., New York, N. Y. Gyratory crusher operating mechanism. 2,486,478, Nov. 1.
- Kennedy, Kenneth B., San Diego, Calif. Flat tire indicator. 2,464,934, Mar. 22.
- Kennedy, Kenneth J., South San Francisco, Calif. Combination grab bucket and live boom. 2,486,479, Nov. 1.
- Kennedy, Lowell E.: *See*—Kennedy, Earnest R. and L. E.
- Kennedy, Maurice de K. T., and J. H. Booth, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Steering gear. 2,488,917, Nov. 22.
- Kennedy, Ralph C.: *See*—Hathaway, Jarrett L., and Kennedy.
- Kennedy, Ralph C., Arlington, N. J., assignor to Radio Corporation of America. High-voltage power supply. 2,490,733, Dec. 6.
- Kennedy, Richard O., New York, N. Y. French cuff. 2,482,671, Sept. 20.
- Kennedy, Robert M.: *See*—Hetzl, Stanford J., and Kennedy.
- Kennedy, Robert M., Drexel Hill, and S. J. Hetzel, Cheltenham, assignors to Sun Oil Company, Philadelphia, Pa. Polymerization of olefins. 2,470,171, May 17.
- Kennedy, Thomas A., assignor to J. A. Zurn Mfg. Co., Erie, Pa. Magnetic separator for fluid systems. 2,459,534, Jan. 18.
- Kennedy, Verne C., Evanston, assignor to Dormeyer Corporation, Chicago, Ill. Centrifugal governor for motors. 2,469,043, May 3.
- Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air outlet. 2,477,619, Aug. 2.
- Kennedy, Walter W., assignor to Barber-Colman Company, Rockford, Ill. Air entrance grid. 2,492,294, Dec. 27.
- Kennedy, Woodford A., Charlotte, N. C. Adding and subtracting indicating counter mechanism. 2,468,334, Apr. 26.
- Kennel, Otto J., Bloomington, Ill. Automatic gate. 2,463,392, Mar. 1.
- Kennelly, Jeremiah D., Oak Park, Ill. Warning light and searchlight combination. 2,460,585, Feb. 1.
- Kennelly, Jeremiah D., Oak Park, Ill. Oscillating warning light. 2,464,318, Mar. 15.
- Kennelly, Jeremiah D., Oak Park, Ill. Search and warning light. 2,486,853, Nov. 1.
- Kennerley, George R., Macclesfield, England, assignor, by mesne assignments, to L. A. Lukeking, Minneapolis, Minn. Knife. 2,477,986, Aug. 2.
- Kenney, Clarence E.: *See*—Johnson, John A., and Kenney.
- Kenney, Thomas F., and A. Bellavance, assignors to Boott Mills, Lowell, Mass. Apparatus for making wire-cutting guides. 2,485,495, Oct. 18.
- Kennison, Adrian B., Plainfield, N. J., assignor to Johnson & Johnson. Shipping package of suture tubes or the like. 2,470,494, May 17.
- Kennison, Haven, and R. I. Peterson, Minneapolis, Minn. Oil cleaner. 2,465,021, Mar. 22.
- Kennison, Hugh F., Bloomfield, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for lining pipes. 2,486,420, Nov. 1.
- Kenny, Herman C., Lake Linden, and L. C. Klein, Hubber, assignors to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Removal of lead and zinc from copper ammonium salt solutions. 2,488,201, Nov. 15.
- Kenny, James, New York, N. Y. Slipper for ice ballet. 2,487,247, Nov. 8.
- Kenny, John J., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,099, Dec. 20.
- Kent, E. A., assignee: *See*—Williams, Philip H.
- Kent, Carle'on V., Perkaskie, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Hardness tester. 2,491,667, Dec. 20.
- Kent, Earle L., assignor to C. C. Conn, Ltd., Elkhart, Ind. Tone frequency oscillator. 2,476,607, July 19.
- Kent, Earle L., assignor to C. C. Conn, Ltd., Elkhart, Ind. Magazine type magnetic recording apparatus. 2,480,742, Aug. 30.

- Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for analyzing complex waves. 2,491,186, Dec. 13.
- Kent, Francis J., Forest Hills, assignor to Hydopress, Incorporated, New York, N. Y. Metal bar straightening machine. 2,487,973, Nov. 15.
- Kent, Frank T., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Free cutting bessemer steel. 2,484,231, Oct. 11.
- Kent, Frederick J., Glen Rock, and F. V. Wilkins, Packanack Lake, assignors to Servo-Tek Products Company, Paterson, N. J. Recorder and mechanical movement. 2,463,882, Mar. 8.
- Kent, George H.: *See—*
Lowe, Sherwin P., Long, Kent, and Downes.
- Kent, Goldy W., Brockwell, Ark. Cigarette paper container. 2,488,411, Nov. 15.
- Kent, Henry J., Toronto, Ontario, Canada. Shock absorber. 2,461,066, Feb. 8.
- Kent, Herbert F., Trenton, N. J. Hot journal box detecting means. 2,475,030, July 5.
- Kent, James H., Johnstown, Pa. Urinary apparatus. 2,476,375, July 19.
- Kent, Milo R., assignee: *See—*
Stevens, Milton J.
- Kent, Robert E., Arlington, and A. Stockfleth, North Arlington, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive compositions. 2,480,295, Aug. 30.
- Kent, Russell R., Superior, Wis. Metal sanding block. 2,482,344, Sept. 20.
- Kentis, George E., Jr., assignor to The Yoder Company, Cleveland, Ohio. Apparatus for controlling heat in electric welding. 2,464,402, Mar. 15.
- Kentlee Company, Inc., The, assignee: *See—*
Smith, Richard A.
- Kentlee Sales Corporation, assignee: *See—*
Wise, Lawrence.
- Kenworth Motor Truck Corporation, assignee: *See—*
Brown, Wallace M.
- Kenyon, Alonzo F., Wilkinsburg, and T. Specht, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotary welding apparatus. 2,479,370, Aug. 16.
- Kenyon, Bertrand F., assignor to A. G. Dickinson, Grand Rapids, Mich. Automatic feathering and nonstallable force drive. 2,489,646, Nov. 29.
- Kenyon, David E., Smithtown, N. Y., assignor to The Sperry Corporation. Pulse radar system. 2,466,711, Apr. 12.
- Kenyon, David E., Smithtown, N. Y., assignor to The Sperry Corporation. Sweep circuit. 2,466,712, Apr. 12.
- Kenyon Gyro & Electronics Corporation, assignee: *See—*
Kenyon, Theodore W.
- Kenyon, Lee J., Lawrence, N. Y. Injection meat-curing machine. 2,466,772, Apr. 12.
- Kenyon, Theodore W., assignor to Kenyon Gyro & Electronics Corporation, Huntington, N. Y. Erecting mechanism for gyro-verticals and the like. 2,464,516, Mar. 15.
- Kenyon, Theodore W., assignor to Kenyon Gyro & Electronics Corporation, Huntington, N. Y. Radar antenna stabilizer. 2,475,746, July 12.
- Kenyon, Theodore W., assignor to Kenyon Gyro & Electronics Corporation, Huntington, N. Y. Flight attitude indicating instrument. 2,489,294, Nov. 29.
- Kenyon, William O.: *See—*
Fowler, William E., Jr., and Kenyon.
Laakso, Thomas T. M., and Kenyon.
Minsk, Louis M., and Kenyon.
Minsk, Louis M., Kenyon, and Van Campen.
Reynolds, Delbert D., and Kenyon.
- Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Oxidation of starch with nitrogen dioxide. 2,472,590, June 7.
- Kenyon, William O., and W. F. Fowler, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing an oxidized nitrated cellulose. 2,472,591, June 7.
- Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of isopropenyl acetate and fumaric or maleic ester-amides. 2,486,370, Oct. 25.
- Kenyon, William O., and T. F. Murray, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Polymers of dialkenyl acetals. 2,487,879, Nov. 15.
- Kenyon, William O., and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. N-alkenyl lactamides. 2,490,756, Dec. 6.
- Kepler, Raymond J.: *See—*
Boller, Ernest R., Eubank, and Kepler.
- Kephart, John C., assignor to National Alfalfa Dehydrating and Milling Company, Lamar, Colo. Preservation of pigments in alfalfa. 2,474,182, June 21.
- Kepler, Robert C., Bloomsburg, Pa., assignor to American Car & Foundry Company, New York, N. Y. Dump car control. 2,487,447, Nov. 8.
- Keränen, Theodore S., Detroit, Mich. Helicopter. 2,474,362, June 28.
- Kerchal, Edward R.: *See—*
Lantz, Jewell M., and Kerchal.
- Keresztesy, John C., Westfield, and E. Rickes, assignors to Merck & Co., Inc., Rahway, N. J. Substance extracted from growth medium of *Rhizopus Nigricans* and obtaining the same. 2,473,404, Aug. 9.
- Kerfoot, Frank W.: *See—*
Dolza, John, Gaubatz, Perish, and Kerfoot.
- Kerfoot, Frank W., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Pressure responsive switch. 2,489,419, Nov. 29.
- Kerkhof, Frederik, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for generating a saw tooth-like current in the deflecting coil of cathode-ray tubes. 2,471,819, May 31.
- Kerkhof, Frederik, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric piano. 2,482,548, Sept. 20.
- Kermack, William O.: *See—*
Dobson, James, Hutchison, and Kermack.
- Kern, Arthur E., Detroit, Mich. Animal trap. 2,488,202, Nov. 15.
- Kern, Charles J., Long Island City, and J. M. Tabor, East Islip, assignors to American Home Products Corporation, New York, N. Y. Obtaining fat-soluble vitamin-containing materials in oil. 2,470,703, May 17.
- Kern, Charles J., Long Island City, and H. W. Del Vecchio, Brooklyn, assignors to American Home Products Corporation, New York, N. Y. Stabilized vitamin preparation. 2,491,452, Dec. 13.
- Kern, Edward A., and R. K. Abbott, Jr., Pittsfield, Mass., assignors to General Electric Company. Polymers and copolymers of 2-vinylfluorene and their preparation. 2,476,737, July 19.
- Kern, Edward O., assignor to Wagner Manufacturing Company, Cedar Falls, Iowa. Elevator control apparatus. 2,458,005, Jan. 4.
- Kern, Erwin, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Circuit breaker system. 2,481,428, Sept. 6.
- Kern, George R., Arlington, Va. Making dentures. 2,487,143, Nov. 8.
- Kern, Paul E., Lebanon, Pa. Tool for assembling carbine bolts. 2,474,848, July 5.
- Kern, Walter: *See—*
Holbro, Theodor, Kern and Sutter.
Morgeli, Eduard, and Kern.
- Kerns, Glen D.: *See—*
Lewis, George S., and Kerns.
- Kerr, Arthur N., Los Angeles, Calif., assignor to Phillips Petroleum Company. Underground reservoir for the storage of liquefied gases. 2,459,227, Jan. 18.
- Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation. Shear tenderness tester. 2,473,063, June 14.
- Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation. Pulping apparatus. 2,477,620, Aug. 2.
- Kerr, Earl G.: *See—*
Allen, Harry L., and Kerr.
- Kerr, Ellen, Coventry, England. Device for depilatory purposes. 2,458,911, Jan. 11.
- Kerr, Howard J., Westfield, N. J., O. R. Carpenter, F. W. Armstrong, Jr., Barberton, and N. C. Jessen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Pressure welding metals by preheating with pressure application in the solidus phase and electric resistance heating in the liquidus phase. 2,467,391, Apr. 19.
- Kerr, Howard J., Westfield, N. J., J. Fletcher, Akron, G. A. Watts, Barberton, and L. Kooistra, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Fuel burning apparatus. 2,479,240, Aug. 16.
- Kerr, Howard J., Westfield, N. J., O. R. Carpenter, and F. W. Armstrong, Jr., Barberton, and N. C. Jessen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Welding apparatus. 2,480,863, Sept. 6.
- Kerr, Kingdon, Los Angeles, and M. Swensson, West Los Angeles, Calif. Buffing, polishing, or sanding machine. 2,467,978, Apr. 19.
- Kerr, Kingdon, Los Angeles, and Malte Swensson, West Los Angeles, Calif. Folding wheel trailer. 2,469,506, May 10.
- Kerr Manufacturing Company, assignee: *See—*
Christian, Rodney E.
Dunlop, Alex B.
- Kerr, Ralph E., assignee: *See—*
Douglas, Luther A.
- Kerr, Ralph W., Riverside, Ill., assignor to Corn Products Refining Company, New York, N. Y. Treatment of starch. 2,468,207, Apr. 26.
- Kerr, Robert, Detroit, Mich. Safety hatch operating mechanism. 2,481,429, Sept. 6.
- Kerr, Roy H., assignor to St. Croix Garment Company, Stillwater, Minn. Outdoor jacket. 2,458,004, Jan. 4.
- Kerr, Theodore W., Jr., Seymour, and W. D. Harris, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Alkyl-naphthyl ethers as insecticides. 2,489,531, Nov. 29.
- Kerr, Theodore W., Jr., Seymour, and W. D. Harris, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Alkyl-naphthyl ethers as insecticides. 2,489,532, Nov. 29.
- Kerr, Thomas J., New Alexandria, Pa. Cutting apparatus. 2,489,784, Nov. 29.
- Kerr, Wallace E., Youngstown, Ohio. Drawbench. 2,477,879, Aug. 2.

- Kerridge, Frank E., assignor to Johnson, Matthey & Company Limited, London, England. Production of designs on nonmetallic heat-resisting bases. 2,482,547, Sept. 20.
- Kerschbaum, Friedrich P., Dayton, Ohio, and H. T. Stowell, Washington, D. C.; said Kerschbaum assignor to said Stowell. Recovery of vanadium concentrate. 2,467,039, Apr. 12.
- Kershaw, Henry, Belleville, A. F. Pityo, Clifton, and H. Butterfield, Maplewood, N. J., assignors, by mesne assignments, of one-half to said H. Kershaw, one-fourth to said A. F. Pityo, and one-fourth to said H. Butterfield. Saw sharpening machine. 2,477,880, Aug. 2.
- Kershaw, Henry, Belleville, and A. F. Pityo, Clifton, N. J. Coffee-making apparatus. 2,489,785, Nov. 29.
- Kershaw, John G., Westmount, Quebec, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada. Slub yarn apparatus drive. 2,480,936, Sept. 6.
- Kershaw, John G., and P. J. Malone, assignors to Dominion Textile Company, Limited, Montreal, Quebec, Canada. Stop motion for sliver condensers. 2,477,185, July 26.
- Kershaw, Knox and R., Montgomery, Ala. Pile splice. 2,461,739, Feb. 15.
- Kershaw, Knox and R., Montgomery, Ala. Spike setter carriage. 2,481,483, Sept. 13.
- Kershaw, Norman G., London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure relay valve mechanism. 2,473,687, June 21.
- Kershaw, Royce: *See*—
Kershaw, Knox and R.
- Kershaw, Royce, Montgomery, Ala. Rail derrick. 2,478,535, Aug. 9.
- Kerslake, Harry, Pomona, Fla. Micrometer lock. 2,484,170, Oct. 11.
- Kerst, Donald W., Urbana, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Stereoscopic X-ray pictures with betatron. 2,473,956, June 21.
- Kertes, John, Pittsburgh, Pa. Check writer. 2,464,815, Mar. 22.
- Kertes, Francois, Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cadmium sulfoselenide pigments. 2,482,006, Sept. 13.
- Kesler, Carl C.: *See*—
Bechtel, Welker G., and Kesler.
- Kesler, Carl C., and W. L. Hicks, assignors to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Preparing an adhesive from cereal flour. 2,466,172, Apr. 5.
- Kesler, Mack S.: *See*—
Borg, Kenneth, and Kesler.
- Kesling, Harold D., La Porte, Ind. Making orthodontic appliances and of positioning teeth. 2,467,432, Apr. 19.
- Kessel, Gary, Brooklyn, N. Y. Cigarette case and ejector. 2,489,647, Nov. 29.
- Kesselring, Kenneth A., Scotia, N. Y., assignor to General Electric Company. Gear stop mechanism. 2,464,584, Mar. 15.
- Kessler, Charles A., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine table. 2,469,968, May 10.
- Kessler, Frank, Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse testing apparatus. 2,486,172, Oct. 25.
- Kessler, Lee H., assignor of one-fourth to H. F. Derrick, one-fourth to Norman H. and one-fourth to Nellie H. Kessler, Springville, N. Y. Double impeller impact breaker. 2,486,421, Nov. 1.
- Kessler, Louis, Brooklyn, N. Y. Shoe tree. 2,473,207, June 14.
- Kessler, Nellie H., assignee: *See*—
Kessler, Lee H.
- Kessler, Norman H., assignee: *See*—
Kessler, Lee H.
- Kesslin, George: *See*—
Nicholl, Leonard, and Kesslin.
- Kessner, Philip, Forest Hills, N. Y. Child's garment. 2,483,344, Sept. 27.
- Kestell, Thomas A., Thurmaston, assignor to Power Jets (Research & Development) Limited, London, England. Locating and locking means. 2,458,859, Jan. 11.
- Kestell, Thomas A., Thurmaston, assignor to Power Jets (Research & Development) Limited, London, England. Work-mounting means. 2,475,900, July 12.
- Kestell, Thomas A., Thurmaston, assignor to Power Jets (Research & Development) Limited, London, England. Change-speed gear. 2,483,774, Oct. 4.
- Kestenbaum, Paul, Brooklyn, and M. Aussenberg, New York, N. Y. Melting ice. 2,466,773, Apr. 12.
- Kester, Arthur S., assignor to The Hauland Corporation, Chicago, Ill. Container with pressure valve. 2,492,225, Dec. 27.
- Kester, Bruce E., Palatine, assignor to United States Gypsum Company, Chicago, Ill. Making stabilized gel-type hydrated lime. 2,471,875, May 31.
- Kester, Ernest B., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. N-acylated derivatives of glutamic acid and preparing them. 2,463,779, Mar. 8.
- Kester, Frederick J., South Bend, Ind. Shoe holder. 2,466,442, Apr. 5.
- Kester, Robert E., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Antenna switching device. 2,480,140, Aug. 30.
- Kester, William F., Hamilton Field, Calif. Replaceable bearing journal assembly. 2,481,931, Sept. 13.
- Kestner, Fred O.: *See*—
McFall, William W., and Kestner.
- Kestner, Fred O., Chicago, and W. W. McFall, River Forest, assignors to Package Masters, Inc., Chicago, Ill. Garment hanger shield. 2,491,896, Dec. 20.
- Keston, Reva H., Minneapolis, Minn. Chewed gum receptacle. 2,484,892, Oct. 18.
- Ketay, Morris F., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Elevational control system for aircraft gun mounts. 2,463,182, Mar. 1.
- Ketchum, Roy, Newark, N. J. Reading stand. 2,464,690, Mar. 15.
- Ketchledge, Raymond W., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High efficiency amplitude modulation. 2,476,875, July 19.
- Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Glass setting means. 2,463,284, Mar. 1.
- Ketelsen, Peter, and H. L. Giwosky, Wichita, Kans., assignors to Boeing Airplane Company, Wichita Division. Lubricator for air and gas lines. 2,466,246, Apr. 5.
- Ketterer, Edward F.: *See*—
Hubbard, Howard N., and Ketterer.
- Kettering, Charles F., and A. W. Fischer, assignors to General Motors Corporation, Detroit, Mich. Automatic control. 2,458,784, Jan. 11.
- Ketting, Leendert, Secaucus, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,464,585, Mar. 15.
- Kettler, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Valved closure for sound passages. 2,490,138, Dec. 6.
- Keuffel, Adolf W., Essex Fells, assignor to Keuffel & Esser Company, Hoboken, N. J. Making measuring tapes. 2,471,329, May 24.
- Keuffel, Adolf W., Essex Fells, assignor to Keuffel & Esser Company, Hoboken, N. J. Making measuring tapes. 2,471,395, May 24.
- Keuffel, Adolf W., Essex Fells, and G. L. Henzel, Lyndhurst, assignors to Keuffel & Esser Company, Hoboken, N. J. Measuring tape. Re. 23,133, July 12.
- Keuffel, Carl W., Bernardsville, assignor to Keuffel & Esser Company, Hoboken, N. J. Mirror system for viewing level vials. 2,486,954, Nov. 1.
- Keuffel & Esser Company, assignee: *See*—
Baker, Allister L.
Bolter, Ward H.
Hillman, Conway D.
Ketting, Leendert.
Keuffel, Adolf W.
Keuffel, Adolf W., and Henzel.
Keuffel, Carl W.
Kraft, Eugene W.
McClure, Hugh M.
- Keuffel, Jack W.: *See*—
Fenn, Willard H., Griesheimer and Keuffel.
- Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry marking machine. 2,470,622, May 17.
- Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Control mechanism for laundry marking machines. 2,482,420, Sept. 20.
- Key, Don E.: *See*—
Weiser, George L., and Key.
- Key, William R., Toronto, Ontario, Canada. Lawn rake. 2,463,393, Mar. 1.
- Keyes, George G., assignor to Teletype Corporation, Chicago, Ill. Interlocking device. 2,463,696, Mar. 8.
- Keyes, Grafton H., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing meso-substituted carbocyanine dyes and thioketones. 2,486,173, Oct. 25.
- Keyes, John J., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulated conductor. 2,459,653, Jan. 18.
- Keys, William D., Bristol, Ind. Trailer. 2,491,378, Dec. 13.
- Keyser, Earl H.: *See*—
Lutz, Jean V., and Keyser.
- Keyser, Harold C., assignor to American Steel Foundries, Chicago, Ill. Spring product and forming same. 2,473,027, June 14.
- Keystone Driller Company, assignee: *See*—
Labounsky, Nicholas N.
- Keystone View Company, assignee: *See*—
Alexander, Harry S.
Shepard, Carl F.
- Kezer, Charles F., assignor to The Glenn L. Martin Company, Middle River, Md. Motion and position control device. 2,484,573, Oct. 11.
- Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Halogen containing derivatives of dicarboxylic acids. 2,464,869, Mar. 22.

- Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Bromine-containing organic compounds. 2,468,208, Apr. 26.
- Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Producing certain poly-ketones from simpler ketones by means of diacyl peroxides. 2,477,621, Aug. 2.
- Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Adduct of butadiene sulfone and bromotrichloromethane and partial dehalogenation thereof. 2,482,088, Sept. 20.
- Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Halogen containing derivatives of dicarboxylic acids. 2,485,099, Oct. 18.
- Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Production of organic phosphorus compounds. 2,489,091, Nov. 22.
- Kharasch, Morris S., and W. H. Urry, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y. Addition of chlorinated acetic acid derivatives to olefins. 2,471,570, May 31.
- Khönke, Johan F., Haarlem, Netherlands. Pipe connection clip. 2,477,696, Aug. 2.
- Kibler, Alfred G.: *See*—
Spurlino, Pascal, Moser, Kibler, Frost, and Kreider.
- Kibler, Dorothy V.: *See*—
Krantz, John C., Jr., and Kibler.
- Kibler, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Antenna for radiating circularly polarized waves. 2,460,260, Jan. 25.
- Kice, Jack W., assignor to The Coleman Company, Inc., Wichita, Kans. Ventilator cap. 2,470,623, May 17.
- Kickernick, Inc., assignee: *See*—
Jacobson, Llamae W.
- Kidd, Earl H., assignor to Young Radiator Company, Racine, Wis. Heat exchanger. 2,460,754, Feb. 1.
- Kidde Manufacturing Company, Inc., assignee: *See*—
Freygang, Walter H.
McLaughlin, John R.
Taft, Irving W.
Traumuller, William O.
- Kidde, Walter, & Company, Inc., assignee: *See*—
Jencks, Charles D., and Lawson.
- Kidder, Allan H., Yeadon, Pa. Temperature indicating artifice. 2,475,788, July 12.
- Kidder, Clifford A., Detroit, Mich. Ice auger. 2,476,047, July 12.
- Kiebert, Martin V., Jr., U. S. Navy, Arlington, Va. Automatic bomb release circuit details. 2,490,816, Dec. 13.
- Kiebler, Myron, assignor to Carnegie Institute of Technology, Pittsburgh, Pa. Making organic acids from carbonaceous material. 2,461,740, Feb. 15.
- Kieckhefer Container Company, assignee: *See*—
Smith, Richard E., and Musso.
- Kiefer, George C., Springdale, Pa., assignor to Allegheny Ludlum Steel Corporation. Inorganic insulating coating for electrical steel sheet and strip. 2,472,592, June 7.
- Kiefer, John M., Jr.: *See*—
Hoffman, Carroll G., and Kiefer, Jr.
- Kiefer, William R., assignee: *See*—
Duerr, Carl F., Jr.
Knam, Francis E.
Osterbus, Ervin J.
- Kiekhaefer, Elmer C., Cedarburg, Wis. Impeller for rotary pumps. 2,466,440, Apr. 5.
- Kiekhaefer, Elmer C., Cedarburg, Wis. Propeller mounting. 2,469,116, May 3.
- Kiekhaefer, Elmer C., Cedarburg, Wis. Fuel supply for opposed cylinder engines. 2,469,117, May 3.
- Kiel, Julius H., Wilmette, Ill. Recording and projecting apparatus. 2,482,672, Sept. 20.
- Kienle, David, New York, N. Y. Belt carried tape holder for electrical workers. 2,470,250, May 17.
- Kienle, Roy H., Bound Brook, and G. P. Whitcomb, Watchung, N. J., assignors to American Cyanamid Company, New York, N. Y. Nonionic surface active agent. 2,473,798, June 21.
- Kies, George, Austin, Tex. Combination longitudinal mechanical finishing machine and plane of weakness device for constructing pavements. 2,486,422, Nov. 1.
- Kies, Steven M.: *See*—
Schmitter, Carl, and Kies.
- Kiesow, Lothar, Wheaton, assignor to Sears, Roebuck and Co., Chicago, Ill. Christmas tree stand. 2,478,278, Aug. 9.
- Kilbride, John T., assignee: *See*—
Buckey, Jefferson P.
- Kilchenmann, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. High-pressure compressor. 2,463,976, Mar. 8.
- Kildare, Vernon A.: *See*—
Hubert, Fred, Jr., and Kildare.
- Kilgore, Collins, assignee: *See*—
James, Frazier N.
- Kilgore, George R., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device of the beam deflection type. 2,487,656, Nov. 8.
- Kilgore, Helen F., assignee: *See*—
Eck, Howard W.
Kilgore, Lowell B.
- Kilgore, Lee A., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bidirectional blower. 2,458,006, Jan. 4.
- Kilgore, Lee A., Forest Hills, F. W. Godsey, Jr., Wilkesburg, B. A. Rose, Forest Hills, and F. B. Powers, Pittsburgh 16, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical airplane propulsion. 2,462,201, Feb. 22.
- Kilgore, Lee A., Wilkesburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor. 2,482,491, Sept. 20.
- Kilgore, Lowell B., assignee: *See*—
Eck, Howard W.
- Kilgore, Lowell B., assignor, by mesne assignments, to L. B. and H. F. Kilgore, Washington, D. C. N-substituted oxyacetamide compounds and insect control compositions. 2,484,295, Oct. 11.
- Kilgore, Lowell B., assignor, by mesne assignments, to L. B. and H. F. Kilgore, Washington, D. C. N-substituted oxyacetamides. 2,484,296, Oct. 11.
- Kilgour, Charles E.: *See*—
Reid, John D., and Kilgour.
- Kilian, Rudolph R., Baldwinville, N. Y. Bait casting reel. 2,478,111, Aug. 2.
- Kilinski, Stanley, Brooklyn, N. Y., assignor to Baltimore Paper Company, Kansas City, Mo. String closure affixing machine. 2,461,327, Feb. 8.
- Killam, Henry I., San Diego, Calif. Tumbling toy. 2,465,808, Mar. 29.
- Kille, Lindley A., Morristown, and T. D. Robb, Ridgewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory signaling in telephone systems. 2,481,932, Sept. 13.
- Killen, Carroll G., Jr.: *See*—
Sparks, George R., and Killen, Jr.
- Killerfer, John Deere, Company, assignee: *See*—
Thomas, Thomas M.
- Killian, Andrew: *See*—
Gotti, George A., Killian, and Volpicelli.
- Killian, F. B., & Company, assignee: *See*—
Morris, Harold B., and R. O.
- Killian, Norman G., assignor of one-half to G. T. Woodard, Dallas, Tex. Applicator and dispenser. 2,463,285, Mar. 1.
- Killingsworth, Joseph L., Des Moines, Iowa. Shingle. 2,460,353, Feb. 1.
- Killingsworth, Robert B.: *See*—
Edwards, Roy T., and Killingsworth.
Pabst, Arthur C., Griffiths, and Killingsworth.
- Killingsworth, Robert B., Douglaston, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Insect repellent comprising benzyl ethers of ethylene glycol. 2,469,303, May 3.
- Killius, William, Altadena, Calif., assignor of Blackhawk Mfg. Co., Milwaukee, Wis. Mechanic's work-holding table furnished with adjustable work-supporting arms. 2,459,080, Jan. 11.
- Killman, Robert T., and F. W. Beesley, Nashville, Tenn. Method of and apparatus for receiving radio signals. 2,482,549, Sept. 20.
- Killner, Frederick E., assignor to Dowty Equipment Limited, Cheltenham, England. Valve. 2,473,591, June 21.
- Kilmer, Clyde R., Elkhart, Ind. Vehicle spring preloading device. 2,473,338, June 14.
- Kilpatrick, Myron O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of diolefins. 2,458,082, Jan. 4.
- Kim, Chan J., Honolulu, Territory of Hawaii. Cocoon sun sweat suit. 2,478,765, Aug. 9.
- Kimball, Albert W.: *See*—
Liwischitz, Michael, and Kimball.
Watson, Earl C., and Kimball.
- Kimball, Albert W., Pittsburgh, and W. R. Harding, Export, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multipole direct-current generator. 2,484,835, Oct. 18.
- Kimball, Charles N., and B. E. Brown, Kansas City, and S. R. Tyler, Jr., North Kansas City, assignors, by mesne assignments, to Reconstruction Finance Corporation, Kansas City, Mo. Volume control. 2,486,480, Nov. 1.
- Kimball Elevator Company, Ltd., assignee: *See*—
Rogers, Gael S.
- Kimball, Mary H., C. G. Harrel, and R. O. Brown, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Dry salad dressing. 2,471,434, May 31.
- Kimball, Mary H., C. G. Harrel, and R. O. Brown, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Ingredient for prepared food mixes and preparing same. 2,471,435, May 31.
- Kimball, Thomas B., Greenwich, Conn., assignor to Sinclair Refining Company, New York, N. Y. Hydrocarbon conversion with fluidized catalyst. 2,472,537, June 7.
- Kimberlin, Charles N., Jr.: *See*—
Hunter, Edward A., and Kimberlin, Jr.
Pierce, Jerry A., and Kimberlin, Jr.
- Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Treating hydrocarbons with fluorides to obtain improved gel catalysts. 2,477,695, Aug. 2.
- Kimberlin, Charles N., Jr., Baton Rouge, and R. E. Schexnailder, Jr., Hope Villa, La., assignors to Standard Oil Development Company. Preparation of silica microsphere supported iron group catalyst. 2,488,128, Nov. 15.

- Kimbrough, Warren C., Portland, Oreg. Gas trap. 2,473,150, June 14.
- Kimel, Walter, Highland Park, N. J., J. H. Coleman, and W. B. Stillman, assignors to Eaton Laboratories, Inc., Norwich, N. Y. Process of nitrating furan derivatives. 2,490,006, Nov. 29.
- Kimmel, Singleton H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Repairing coke-oven walls. 2,476,305, July 19.
- Kimmell, Garman O., Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Separator. 2,471,571, May 31.
- Kimmell, Garman O., Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Spray extractor. 2,479,625, Aug. 23.
- Kimmich, William, Flushing, N. Y., assignor to Radio Corporation of America. Device for differential motion. 2,492,752, Dec. 27.
- Kimple, Virgil R., Los Angeles, Calif. Musical whistle. 2,463,630, Mar. 8.
- Kimsey, John E., assignor to L. W. and R. L. Kimsey, Spokane, Wash. Punchboard. 2,490,689, Dec. 6.
- Kimsey, L. W., assignee: *See—*
Kimsey, John E.
- Kimsey, R. L., assignee: *See—*
Kimsey, John E.
- Kimura, Tsuchinojo, Mountain View, Calif., assignor of fifteen per cent to B. Ver Ploeg, Oskaloosa, Iowa. Mortar spreader. 2,462,644, Feb. 22.
- Kinard, Robert K., Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping machine. 2,469,563, May 10.
- Kinberg, Hjalmar, Ross, Calif., assignor to American Can Company, New York, N. Y. Container. 2,467,392, Apr. 19.
- Kincaid, Arnold W., assignee: *See—*
Robinson, Elvin B.
- Kincaid, Charles W., Cincinnati, Ohio. Bottleholder. 2,466,899, Apr. 12.
- Kincaid, Elbert B., Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill. Trihedral corner pad. 2,476,197, July 12.
- Kincaid, John H., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Rotary car dumper. 2,467,673, Apr. 19.
- Kincaid, Vivian N., San Diego, Calif. Bed lamp. 2,458,174, Jan. 4.
- Kincaid, Walter C., Pueblo, Colo. Apparatus for cleaning drains, pipes, conduits, and the like. 2,482,345, Sept. 20.
- Kincaide, Charles R., Houston, Tex. Solvent extraction. 2,491,115, Dec. 13.
- Kincannon, Camilla M., Milwaukee, Wis. Landing net. 2,471,273, May 24.
- Kincannon, Leo T., assignor to Metal Products Corporation, Milwaukee, Wis. Outboard motor. 2,460,419, Feb. 1.
- Kincannon, Leo T., assignor to Metal Products Corporation, Milwaukee, Wis. Starter mechanism for motors. 2,460,420, Feb. 1.
- Kincannon, Leo T., assignor to Metal Products Corporation, Milwaukee, Wis. Flexible vane pump for outboard motors. 2,460,421, Feb. 1.
- Kincart, Stanley M., Cincinnati, Ohio. Reflex type loudspeaker cabinet. 2,491,982, Dec. 20.
- Kinderman, Walter J., assignor to Yarnall-Waring Company, Philadelphia, Pa. Following and recording. 2,472,019, May 31.
- Kindlund, Cleatus S.: *See—*
Kindlund, Victor M. and C. S.
- Kindlund, Victor M. and C. S., Englewood, N. J. Device for embracing holding gloves. 2,487,339, Nov. 8.
- Kindorf, Harry L., San Francisco, Calif. Cable clamp. 2,485,891, Oct. 25.
- Kindorf, Harry L., and Orlan C. Kindorf, San Francisco, Calif. Adjustable beam clamp. 2,470,991, May 24.
- Kindorf, Harry L., and Orlan C. Kindorf, San Francisco, Calif. Beam clamp for conduit supports. 2,470,992, May 24.
- Kindorf, Orlan C.: *See—*
Kindorf, Harry L., and Orlan C.
- Kindseth, Harold V., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Machine for compacting material in containers. 2,458,387, Jan. 4.
- Kindt, Ernest T., Lakewood, Ohio. Pattern marking letter. 2,474,428, June 28.
- Kindt, John H., Williamsport, Pa. Radiator cover. 2,489,187, Nov. 22.
- Kinetic Chemicals, Inc., assignee: *See—*
Benning, Anthony F.
Benning, Anthony F., and Downing.
Benning, Anthony F., McHarness, and Murray.
Benning, Anthony F., and Park.
Downing, Frederick B., Benning, and McHarness.
- King, Alexander S., Jr., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Atomizing structure. 2,484,037, Oct. 11.
- King, Arley D., San Francisco, Calif. Bobby pin opener. 2,489,579, Nov. 29.
- King, Arlo W., Calgary, Alberta, Canada. Carton carrier. 2,489,295, Nov. 27.
- King, Barnwell R., Flushing, N. Y., assignor to The Linde Air Products Company. Metal surface conditioning apparatus and process. 2,477,411, July 26.
- King, Benjamin M., Jr., Evansville, Ind. Molding cellular products. 2,485,742, Oct. 25.
- King, Bert C., assignor of one-third to N. B. Williams, San Francisco, Calif. Dancing figure toy. 2,467,040, Apr. 12.
- King, Bertell W., Brooklyn, N. Y. Castering means for aircraft landing. 2,477,881, Aug. 2.
- King, Burnham W., Jr., Shaker Heights, and L. C. Baumhardt, assignors to The Harshaw Chemical Company, Elyria, Ohio. Vitreous enamel opacification. 2,468,711, Apr. 26.
- King, Byron H., Jr., assignee: *See—*
Hudson, Henry B.
- King, Carl B., San Francisco, Calif. Holst. 2,463,394, Mar. 1.
- King, Carl C., Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Canopy construction. 2,469,436, May 10.
- King, Carl C., Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Canopy operating mechanism. 2,482,004, Sept. 13.
- King, Carl C., Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Clutch mechanism. 2,482,007, Sept. 13.
- King, Carl F., Jr.: *See—*
Moore, Chester C., and King, Jr.
- King, Charles C., Roselle, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,472,837, June 14.
- King, Charles M., El Monte, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well packer. 2,467,833, Apr. 19.
- King, Charles S., assignor to Blockson Chemical Co., Joliet, Ill. Noncaking composition. 2,468,448, Apr. 26.
- King, Clarence D., Pittsburgh, Pa., and P. D. Nielsen, Lorain, Ohio, assignors to United States Steel Corporation of Delaware. Improving blast furnace operations. 2,458,947, Jan. 11.
- King, Earl W., New York, N. Y. Ball bearing drawer. 2,472,593, June 7.
- King, Ellis G., Pittsburgh, assignor to Armstrong Cork Company, Lancaster, Pa. Sound insulating materials and making. 2,476,306, July 19.
- King, Ernest L., administrator: *See—*
King, Frank A.
- King, Etta E., and D. P. Tata, Leominster, Mass. Hair curling device. 2,473,957, June 21.
- King, Forrest R., Omaha, Nebr. Strand splicing device and method. 2,488,414, Nov. 15.
- King, Frank A., deceased, Los Angeles, by W. S. King, Tujunga, E. L. King, Los Angeles, Calif., and A. W. Tedstrom, Parsons, Kans., administrators, assignors to M. L. King, Tujunga, Calif. Reeling mechanism. 2,485,741, Oct. 25.
- King, Frank W., Portland, Oreg. Separable rim. 2,472,328, June 7.
- King, Fred T.: *See—*
Stenberg, Thornton R., King and Immermann.
- King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,482,492, Sept. 20.
- King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable-voltage control system of limit-responsive operation. 2,484,836, Oct. 18.
- King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Feed control system. 2,486,295, Oct. 25.
- King, George E., and M. H. Fisher, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable speed drive. 2,459,655, Jan. 18.
- King, George E., Swissvale, Pa., N. D. Cooper, Mariemont, Ohio, and G. A. Caldwell, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,488,412, Nov. 15.
- King, George E., Edgewood, and M. H. Fisher, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable-voltage control system. 2,488,413, Nov. 15.
- King, George E., and L. W. Herchenroeder, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,491,983, Dec. 20.
- King, George E., and M. H. Fisher, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Amplifying plural-stage dynamo. 2,491,984, Dec. 20.
- King, George S.: *See—*
Dzus, William, and King.
- King, Grant, Hamilton, Ohio. Suspension for tackling dummies. 2,466,954, Apr. 12.
- King, Harold A., assignee: *See—*
Aisop, Ernest A., and King.
Peirce, Thomas H.
- King, Howard F., Coronado, assignor to Consolidated Vultee Aircraft Corporation, San Jose, Calif. Injection system for internal-combustion engines. 2,492,485, Dec. 27.
- King, Hubert, Boonville, Mo. Roadside stand. 2,480,412, Aug. 30.
- King, James T., Burbank, Calif. Razor blade sharpener. 2,461,161, Feb. 8.
- King, James T., Burbank, Calif. Fishing reel. 2,462,974, Mar. 1.
- King, James T., Burbank, Calif. Hydraulically driven fishing reel. 2,462,975, Mar. 1.

- King, James T., Burbank, Calif. Hose clamp. 2,462,976, Mar. 1.
- King, James T., Burbank, Calif. Fastener. 2,466,955, Apr. 12.
- King, James T., Eagle Rock, Calif. Fastener. 2,466,953, Apr. 12.
- King, John A., Albany, assignor, by mesne assignments, to Winthrop-Stearns, Inc., New York, N. Y. Preparation of amides. 2,459,706, Jan. 18.
- King, John A., Albany, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Oxazolone derivative and preparing same. 2,478,661, Aug. 9.
- King, John C., Oklahoma City, Okla. Water treating plant. 2,467,433, Apr. 19.
- King, John H., Bethesda, Md., J. S. Wolf, Washington, D. C., and R. R. Calvert, Lafayette, Ind., said Calvert assignor to said Wolf. Motion sickness chewing gum. 2,465,233, Mar. 22.
- King, John L., Jr., Royal Oak, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. One-way sprag type clutch. 2,486,603, Nov. 1.
- King, John M., Dover, N. J., assignor to the United States of America as represented by the Secretary of War. Hydraulic fuse. 2,487,056, Nov. 8.
- King, Kenneth C. A.: *See—*
Pyatt, Edward C., and King.
- King, Kenneth L., Mountain Lakes, and W. T. Wintringham, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unitary range, azimuth, and elevation alignment indicator for radar systems. 2,467,319, Apr. 12.
- King, Lafayette C., and R. M. Dodson, Evanston, Ill., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Producing substituted 2-aminothiazoles. 2,468,401, Apr. 26.
- King, Laurence F.: *See—*
Sproule, Loren W., and King.
- King, Laurie B., Greensboro, N. C. Soap tray. 2,473,376, June 14.
- King, Leighton S., assignor to The Garrett Corporation, Los Angeles, Calif. Evaporative cooling system for aircraft having expansion means. 2,477,931, Aug. 2.
- King, Leighton S., assignor to The Garrett Corporation, Los Angeles, Calif. Aircraft evaporative cooling system. 2,477,932, Aug. 2.
- King, Louis A., Haddonfield, N. J., assignor to Radio Corporation of America. Oscillation generator control circuit. 2,482,493, Sept. 20.
- King, Louis R., Duluth, Minn. Accessories drawer and support. 2,492,871, Dec. 27.
- King, Mary L., assignee: *See—*
King, Frank A.
- King Organic Chemicals, Incorporated, assignee: *See—*
King, Robert G.
- King, Paul B., Jr.: *See—*
Drake, Frederick H., and King.
- King Pneumatic Tool Company, assignee: *See—*
Bright, Harold T.
- King, Robert G., assignor to King Organic Chemicals, Incorporated, Norwalk, Conn. Conversion of pinene to terpin hydrate. 2,481,845, Sept. 13.
- King, Robert P.: *See—*
Seaman, Stewart E., and King.
- King-Seely Corporation, assignee: *See—*
Holbrook, Rex R.
Morse, Glenn.
- King, Sidney S., Yellow Springs, Ohio. Position computer. 2,481,846, Sept. 13.
- King, Stanley G., London, England, assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Mercury vapor rectifying apparatus. 2,473,151, June 14.
- King, Thomas C., Tucson, Ariz., and J. E. Drummond, Portland, Oreg. Television camera tube. 2,490,734, Dec. 6.
- King, Thomas E., Irvington, N. Y., assignor to Burnham Corporation. Greenhouse bench. 2,491,271, Dec. 13.
- King, Vernon M., Bakersfield, Calif. Safety strike plate and release bar. 2,461,426, Feb. 8.
- King, Victor L.: *See—*
Crossley, Moses L., King, Northey, and Scholz.
- King, Victor L., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Rocket propulsion by reacting alkyl-substituted mononuclear aromatic amines and nitric acid. 2,474,183, June 21.
- King, Victor L., Bound Brook, and E. H. Bart, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Purification of N-substituted sulfanilamides. 2,484,791, Oct. 11.
- King, Walter E.: *See—*
Heath, Robert C., Howe, and King.
- King, Wilbert W., Bellevue, Ohio. Suspension clamp. 2,472,662, June 7.
- King, William N., Anoka, assignor to Federal Cartridge Corporation, Minneapolis, Minn. Primer mixture. 2,480,141, Aug. 30.
- King, William S., administrator: *See—*
King, Frank A.
- Kingan & Co. Incorporated, assignee: *See—*
Gannon, Alfred C.
- Kingerley, Richard W., Jr., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol-starch-clay adhesives, processes, and products. 2,487,448, Nov. 8.
- Kinghorn, Charles M., assignor to Cresswell Roll Forming Company, Limited, Montreal, Quebec, Canada. Clap-board unit for wall coverings. 2,477,987, Aug. 2.
- Kingsbury, Chadwick B.: *See—*
Carter, Ralph H., and Kingsbury.
- Kingsbury, Chadwick B., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Yarn tensioning device. 2,478,926, Aug. 16.
- Kingsbury, Chadwick B., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Device for tensioning yarn. 2,492,581, Dec. 27.
- Kingsbury Machine Tool Corporation, assignee: *See—*
Clark, Carleton B.
- Kingsland Saw Works, Inc., assignee: *See—*
Peoples, Maurice E.
- Kingsley, David G., Mountain Lakes, assignor to Stapling Machines Co., Rockaway, N. J. Feed mechanism for wire bound box blank machines. 2,464,691, Mar. 15.
- Kingston, Arthur, Denham, England. Manufacturing artificial eyes. 2,483,832, Oct. 4.
- Kingston, Benson M., Breckenridge, and M. H. McKinsey, Midland, Tex., assignors of one-half to Shell Development Company, San Francisco, Calif., and one-half to The Independent Eastern Torpedo Company, Breckenridge, Tex. Well fluid measurement. 2,473,713, June 21.
- Kingston Products Corporation, assignee: *See—*
Dawson, Francis A.
Woolley, Lee A.
- Kinton, Richard L., Denver, Colo. Aerial bomb. 2,474,256, June 28.
- Kinker, Clarence C., assignor to Defiance Machine Works, Inc., Defiance, Ohio. Pressure release mechanism. 2,482,346, Sept. 20.
- Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for microwave heating of dielectric materials. 2,466,853, Apr. 12.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Fifth wheel. 2,459,772, Jan. 18.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,482,005, Sept. 13.
- Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Centering means for railway draft devices. 2,469,118, May 3.
- Kinney, J. Warren, Jr., assignee: *See—*
Seiders, Le Roy E.
- Kinney, John W., Jr.: *See—*
Hartman, Franklin H., and Kinney, Jr.
- Kinney, Joseph, Jr., Bradford Woods, Pa., assignor to American Cladmetals Company. Procedure for making multiply metal stock. 2,473,712, June 21.
- Kinney Manufacturing Company, assignee: *See—*
Lavash, Francis L.
Van Atta, Chester M.
- Kinney, Robert E., and E. Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of carbon black. 2,458,996, Jan. 11.
- Kinney, William F., Maywood, Ill., assignor to American Can Company, New York, N. Y. Mechanism for forming vented can end seams. 2,460,296, Feb. 1.
- Kinsell, William L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Voltage regulator circuit. 2,490,063, Dec. 6.
- Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Rail supporting means for spinning machines. 2,480,249, Aug. 30.
- Kinsey, Alvin E., Chattanooga, Tenn., assignor to Furlow-Cate Manufacturing Company, Inc., Hapeville, Ga. Tube coupling. 2,463,883, Mar. 8.
- Kinsey, John M., Fitchburg, Mass. Gate box turning tool. 2,476,608, July 19.
- Kinslow, Henry M., Pasadena, Calif. Wheeled vehicle of the scooter type. 2,474,946, July 5.
- Kinyon, Christine H., Ayr, Ontario, Canada, assignor to herself, M. H. Dudley, and I. H. Babson, Oakland, Calif., as joint tenants. Urine drain. 2,490,969, Dec. 13.
- Kinzel, Augustus B., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Treating agent. 2,462,871, Mar. 1.
- Kinzel, Augustus B., New York, and C. O. Burgess, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy addition agent. 2,481,599, Sept. 13.
- Kinzer, John P., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and system for measuring frequency. 2,469,829, May 10.
- Kipnis, Abraham, Forest Hills, N. Y. Twisted cruller machine. 2,463,112, Mar. 1.
- Kipp, William T., Piqua, Kans. Sun visor. 2,475,901, July 12.
- Kipper, Allen F., Glendale, assignor to Arden Farms Co., Los Angeles, Calif. Mixing machine. 2,463,697, Mar. 8.
- Kirby, Davis C., Jr., United States Navy. Stemless valve. 2,482,780, Sept. 27.
- Kirby, Donald T., Claymont, and J. T. Chain, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of suede leather with synthetic polymers. 2,481,933, Sept. 13.

- Kirby, James E., and W. H. Sharkey, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. July 26.
- Kirby, Joseph S., San Anselmo, Calif. Water sprayer for Promotion of conjugated diene emulsion polymerization by trichloromethyl-substituted mercaptans. 2,477,338, garden hose nozzles. 2,477,519, July 26.
- Kirby, Wilfred, assignor to Vickers-Armstrongs Limited, London, England. Clinching anvil for stapling machines. 2,481,023, Sept. 6.
- Kirby, William B., Portland, Oreg., and E. V. Hill, Vancouver, Wash., assignors to Electric Steel Foundry, Portland, Oreg. Butt hook and link assembly. 2,490,218, Dec. 6.
- Kircher, Raymond J., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Blind navigational method and system. 2,487,759, Nov. 8.
- Kirchmeyer, Frederick J., Waukegan, and I. R. Card, North Chicago, Ill., assignors to Abbott Laboratories. Stable, sterile aqueous solutions of streptomycin and making same. 2,473,339, June 14.
- Kirin, Charles W., Detroit, Mich. Crush forming grinding wheels. 2,458,605, Jan. 11.
- Kirk, Bernard T., Glendale, assignor, by mesne assignments, to J. Palmer, Los Angeles, Calif. Hanger. 2,492,701, Dec. 27.
- Kirk, Harry C., Weirton, W. Va., assignor to National Steel Corporation. Safety device for metal sheet conveyers in tin plating apparatus. 2,491,316, Dec. 13.
- Kirk, John E. and N. L., Kansas City, Mo. Radial arm cutoff saw. 2,489,420, Nov. 29.
- Kirk, Joseph S., Newtown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quinone-resorcinol tanning agent and process. 2,469,437, May 10.
- Kirk, Joseph S., Newtown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quinone-resorcinol tanning agent and process. 2,469,438, May 10.
- Kirk, Stanley B., New Rochelle, N. Y., assignor to The Linde Air Products Company. Continuously thermodynamically scarfing a series of elongated steel bodies and apparatus therefor. 2,487,974, Nov. 15.
- Kirk, William, Jr., and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 4,4'-bis(amino-t-butyl) substituted aromatic hydrocarbons. 2,464,692, Mar. 15.
- Kirk, William, Jr., and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic linear polycarbonamides. 2,464,693, Mar. 15.
- Kirkham, Hall, Cleveland Heights, assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio. Relief valve. 2,468,079, Apr. 26.
- Kirkhof Manufacturing Corporation, assignee: *See*—Goodrich, Earl F.
- Kirkland, Harold R., Morristown, N. J. Dimmer device for indicating lamps. 2,474,677, June 28.
- Kirkman, Robert A.: *See*—Deisinger, Delbert A., and Kirkman.
- Kirkpatrick, Cletus A., assignee: *See*—Gordon, Thomas E.
- Kirkpatrick, Henry O., assignor to Advance Manufacturing, Inc., Detroit, Mich. Mounting for refrigerating apparatus and the like. 2,459,946, Jan. 25.
- Kirkpatrick, Kenneth E.: *See*—Phillips, Harold B., and Kirkpatrick.
- Kirkpatrick, Max B., Anchorage, Alaska, assignor of fifty per cent to M. W. Parvin, Amity, Oreg. Retractable safety belt. 2,468,560, Apr. 26.
- Kirkpatrick, Orson F., Muscatine, Iowa. Egg beater. 2,480,482, Aug. 30.
- Kirksey, Amos H., Los Angeles, Calif. Fifth-wheel construction for service line couplings. 2,480,483, Aug. 30.
- Kirksey, Amos H., Vernon, Calif. Coupling apparatus. 2,480,413, Aug. 30.
- Kirkwood, Loren R.: *See*—Holst, Paul F. G., and Kirkwood.
- Kirlin, Otis M., Detroit, Mich. Speedometer attachment. 2,484,038, Oct. 11.
- Kirsch Company, assignee: *See*—Allen, Archie A.
Keahey, Frank S.
Reeg, Foster D.
Stutz, Frederick L.
- Kirsch, Isidore, and R. Korenman, Bronx, N. Y. Welt-cutting machine. 2,485,449, Oct. 18.
- Kirsch, Murray, Mamaroneck, N. Y. Lighted cigarette dispenser. 2,471,820, May 31.
- Kirschbaum, Abe F., Greenbelt, Md., assignor of sixty per cent to S. O. Olson, Washington, D. C. Calculator device. 2,485,892, Oct. 25.
- Kirschbaum, Herbert S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,467,753, Apr. 19.
- Kirschner, Donald J., Miami Beach, Fla. Pocket automatic electric lighter. 2,459,656, Jan. 18.
- Kirschner, Louis A., Chicago, Ill. Closure for washing bowls, sinks, and plumbing fixtures. 2,481,312, Sept. 6.
- Kirsten, Kurt P. J., assignee: *See*—Hendrickson, Ellis C.
- Kirwan, John D., Bloomfield, N. J. Sterilizing flush type toilet bowls. 2,479,842, Aug. 23.
- Kisch, Louis A., Little Falls, N. J. Combined strainer and magnetic separator. 2,490,635, Dec. 6.
- Kiser, James A., Hungerford, Pa. Three-way rupture truss appliance. 2,459,031, Jan. 11.
- Kiser, Warren T., Marion, Ind. Headlight for motor vehicles. 2,476,495, July 19.
- Kispert, Joseph J., Mount Carmel, Conn. Laced closure for garments. 2,463,884, Mar. 8.
- Kispert, Joseph J., Mount Carmel, Conn. Garment. 2,464,452, Mar. 15.
- Kispert, Joseph J., Mount Carmel, Conn. Garment. 2,472,329, June 7.
- Kiss, Aya M., assignor of forty per cent to W. A. Weiss, Cleveland, Ohio. Treating eggs to produce chicks having colored down. 2,477,752, Aug. 2.
- Kissam, Allen, Orlando, Fla. Concrete block molding machine. 2,477,753, Aug. 2.
- Kissam, Allen, Orlando, Fla. Liquid fuel burner. 2,486,481, Nov. 1.
- Kissell, Kenneth K., Cleveland, Ohio, assignor to E. E. Esping. Adjustable chair. 2,487,880, Nov. 15.
- Kissinger, John E.: *See*—Poor, Tom W., and Kissinger.
- Kisskalt, Adam J., Grosse Pointe Farms, Mich. Apparatus for drying and heat-treating. 2,471,964, May 31.
- Kissing, Edmund D., New York, N. Y. Plastic picture frame. 2,486,174, Oct. 25.
- Kistler, Samuel S.: *See*—Bridgman, Percy W., Kistler, and Wheildon.
- Kitchen, Darley E., Logan, Ohio. Self-cleaning salt or pepper shaker or dispenser. 2,474,678, June 28.
- Kitchen, Kenneth, Fostoria, Ohio. Combination loose-leaf binder and music stand table. 2,474,532, June 28.
- Kitchen, Ward A., assignee: *See*—Perhach, Allen A.
- Kitchin, Donald W., Wellesley Hills, Mass., and F. R. Dyke, Dartmouth, Nova Scotia, Canada, assignors to The Western Union Telegraph Company, New York, N. Y. Cable joint. 2,462,977, Mar. 1.
- Kite, Clarence L., Radnor, assignor of two-thirds to P. E. Kite, and one-third to I. Benson, Logansport, Ind. Flat tire detector. 2,479,371, Aug. 16.
- Kite, Harvey T.: *See*—Bahner, Carl T., and Kite.
- Kite, Pauline E., assignee: *See*—Kite, Clarence L.
- Kitman, Julia, Pittsburgh, Pa. Thermal circuit breaker. 2,483,645, Oct. 4.
- Kitman, Julia, Pittsburgh, Pa. Thermal circuit breaker. 2,483,646, Oct. 4.
- Kitman, Julia, Pittsburgh, Pa. Circuit control plug. 2,488,818, Nov. 22.
- Kitson, Arthur H., Grosse Pointe, Mich. Terminal block and safety light for electric surface cooking units. 2,492,100, Dec. 20.
- Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Power-operated typing mechanism for typewriters or like machines. 2,474,741, June 28.
- Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Ribbon roll mounting for typewriting or like machines. 2,486,175, Oct. 25.
- Kittleston, Allen R.: *See*—Mikeska, Louis A., and Kittleston.
- Kitto, Leicester P., Glendale, Calif., assignor of one-half to R. Crandall, Roswell, N. Mex. Geophysical prospecting. 2,460,297, Feb. 1.
- Kittredge, Arthur E.: *See*—Heinz, Winfield B., Kittredge, and Williams.
- Kivari, Arthur M., and E. M. Kelly, Los Angeles, Calif. Separating solids from a liquid. 2,492,486, Dec. 27.
- Kjellgren, Bengt R. F., University Heights, assignor to The Brush Development Company, Cleveland, Ohio. Growing n-type seed crystals. 2,468,761, May 3.
- Kjellgren, Bengt R. F., University Heights, assignor to The Brush Development Company, Cleveland, Ohio. Growing a Rochelle salt crystal. 2,483,647, Oct. 4.
- Kjellman, Harry A., Jr., Steubenville, Ohio, assignor to Koppers Co., Inc., Pittsburgh, Pa. Purification of isoquinoline. 2,483,420, Oct. 4.
- Kjellman, Walter, Stockholm, Sweden. Drainage system. 2,482,673, Sept. 20.
- Kjellström, Alvar E. P., Stockholm, Sweden. Stretching device for the heel wire of ski ties. 2,472,906, June 14.
- Klaar, Max, San Mateo, assignor to W. P. Fuller & Co., San Francisco, Calif. Door catch. 2,489,421, Nov. 29.
- Klaassen, Willem J., New York, assignor to Geneva Processes, Inc., Geneva, N. Y. Apparatus for producing finely divided particles. 2,466,443, Apr. 5.
- Klabunde, Walter, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of trichlorethylene and tetrachloroethylene. 2,492,048, Dec. 20.
- Klaeden, Fritz: *See*—Bierwirth, John A., and Klaeden.
- Klain, Paul, Midland, and R. B. MacPhail, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Gas shielded carbon arc welding of magnesium. 2,472,020, May 31.
- Klamp, Paul, assignor to The Cross Company, Detroit, Mich. Continuous gear grinding machine. 2,475,902, July 12.

- Klapman, Sol J., Chicago, Ill. Thermionic vacuum tube circuit for intercommunication systems. 2,473,652, June 21.
- Klar, Elof P.: *See*—
Larsen, Lewis, and Klar.
- Klaris, Pieter A., Rotterdam, Netherlands, assignor to Lodewyk den Hartog. Mechanical calendar. 2,483,775, Oct. 4.
- Klas, Harold W., Sylvania, Ohio. Automobile top carrier. 2,475,903, July 12.
- Klasens, Hendrik A., Mitcham Junction, and T. Holmes, London, England, assignors to General Electric Company. Electrode for electric discharge devices. 2,488,727, Nov. 22.
- Klause, Edward J.: *See*—
Linder, Otto A., and Klause.
- Kleber, Eugene V., Wyandotte, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Polymerization of propylene. 2,482,008, Sept. 13.
- Kleber, Louis, assignor to Kleber Trunk & Bag Co., Pittsburgh, Pa. Garment hanger for luggage cases. 2,489,492, Nov. 29.
- Kleber, Samuel L., assignor to Kleber Trunk & Bag Company, Pittsburgh, Pa. Wardrobe case for men's suits and women's dresses on hangers. 2,461,216, Feb. 8.
- Kleber Trunk & Bag Co., assignee: *See*—
Kleber, Louis.
Kleber, Samuel L.
- Kleckner, Albert L.: *See*—
Craig, Arthur H., Jr., and Kleckner.
- Kleeman, Annette K.: *See*—
Morris, Mark M., and Kleeman.
- Kleen Refrigerator, Inc., assignee: *See*—
Af Kleen, Nils E.
Erland af Kleen, Nils.
- Kleiber, Carl E., Irvington, D. L. Campbell, Short Hills, D. E. Stines, Plainfield, and C. C. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Catalytic converter. 2,483,494, Oct. 4.
- Kleimack, Joseph H.: *See*—
Christensen, Howard, and Kleimack.
- Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. Production of organic disulfides. 2,474,849, July 5.
- Klein, Clarence J., Hollidays Cove, W. Va., assignor to National Steel Corporation. Anode bar jack. 2,462,506, Feb. 22.
- Klein, Cletus A., assignor to Caro Manufacturing Co., Caro, Mich. Tow bar. 2,488,415, Nov. 15.
- Klein, David X., Andover, Mass., and D. E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Water-soluble esters of alkyl silicic acids. 2,476,307, July 19.
- Klein, David X., Andover, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Water-in-oil type emulsion. 2,476,308, July 19.
- Klein, Edward, New York, and M. Klein, Woodmere, N. Y. Stereoscopes. 2,464,586, Mar. 15.
- Klein, Elias: *See*—
Hayes, Harvey C., and Klein.
- Klein, Gilda, Rockaway Beach, N. Y. Adjustable finger-nail polish guide. 2,485,384, Oct. 18.
- Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Adjustable broiler. 2,459,657, Jan. 18.
- Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Detachable handle. 2,459,658, Jan. 18.
- Klein, Gustav, Melrose Park, assignor to Caloric Gas Stove Works, Philadelphia, Pa. Detachable oven door. 2,461,902, Feb. 15.
- Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Detachably latched drawer. 2,479,626, Aug. 23.
- Klein, Irving, New York, N. Y. Ornamental lampstand with bell. 2,462,750, Feb. 22.
- Klein, Lawrence C.: *See*—
Kenny, Herman C., and Klein.
- Klein, Lawrence C., Hubbell, assignor to Lake Chemical Company, Calumet, Mich. Preparation of cuprous oxide. 2,474,533, June 28.
- Klein, Milton: *See*—
Klein, Edward, and Klein.
- Klein, Philip: *See*—
Crowley, George C., and Klein.
- Klein, Raymond J., Syracuse, N. Y. Handle brake. 2,488,203, Nov. 15.
- Klein, Sam, Los Angeles, Calif. Knockdown hammock support. 2,468,209, Apr. 26.
- Klein, Sam, Los Angeles, Calif. Spectacle lens cleaner. 2,490,636, Dec. 6.
- Klein, Theodore E., Cranford, N. J. Apparatus for freezing food. 2,484,297, Oct. 11.
- Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Grease pump assembly with pressure generating pump. 2,463,113, Mar. 1.
- Klein, William, and J. Jaros, Warroad, Minn. Weed eradicating machine. 2,472,330, June 7.
- Kleine, Carl W. A. and M. R. S., Stockholm, Sweden. Cattle feed. 2,472,663, June 7.
- Kleine, Milena Regina Stella: *See*—
Kleine, Carl W. A. and M. R. S.
- Kleiner, Joseph J., Woodmere, N. Y. Blood collecting apparatus. 2,460,641, Feb. 1.
- Kleinert, I. B., Rubber Company, Inc., assignee: *See*—
Elliott, Gusta B., and Pfann.
- Kleinhaus, Arthur B., Easton, Pa. Greenhouse roof construction. 2,463,183, Mar. 1.
- Kleinholz, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Making alpha, alpha'-thiodialiphatic acids. 2,462,200, Feb. 22.
- Kleinschmidt, Donald F., Brookfield, Ill. Range attachment for multitesters. 2,468,449, Apr. 26.
- Kleinschmidt, Edward E., Miami Beach, Fla. Telegraphic communication system with automatic answer back and alarm signals. 2,474,257, June 28.
- Kleinsmith, Ben, Seattle, Wash. Removable-ball-point pen. 2,487,340, Nov. 8.
- Kleintop, Harold E., Parkesburg, Pa. Motion-picture titler. 2,461,285, Feb. 8.
- Kleiss, Louis D., U. S. Army, Seattle, Wash. Valve. 2,478,197, Aug. 9.
- Klemm, William F., Detroit, Mich. Hardness tester. 2,483,495, Oct. 4.
- Klemm, William F., Detroit, Mich. Precision chuck. 2,483,496, Oct. 4.
- Klem, William J.: *See*—
Fleming, John G., and Klem.
- Klemme, Maurice G., Belleville, Ill. Shelf elevating device for cooking or broiling ovens. 2,480,250, Aug. 30.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Inverter. 2,462,872, Mar. 1.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser charging system. 2,464,238, Mar. 15.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,464,239, Mar. 15.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Controlled peaking transformer. 2,466,028, Apr. 5.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Voltage regulator. 2,468,080, Apr. 26.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,469,231, May 3.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,472,110, June 7.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. System for charging and discharging energy storage devices. 2,472,838, June 14.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Alternating current pulser circuit. 2,473,592, June 21.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,473,799, June 21.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Inverter. 2,475,621, July 12.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,477,622, Aug. 2.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,176, Oct. 25.
- Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,489,786, Nov. 29.
- Klemperer, Hans, Belmont, and W. F. Huntley, Lowell, assignors to Raytheon Manufacturing Company, Newton, Mass. Rectifying system. 2,458,516, Jan. 11.
- Klemperer, Otto E. H., Iver, England, assignor to Electric and Musical Industries, Ltd. Electron lens system. 2,490,308, Dec. 6.
- Klepp, Edwin C.: *See*—
Seath, Edward G., and Klepp.
- Kleppen, Emil, and I. B. Hansen, Minneapolis, Minn. Fish lure. 2,474,481, June 28.
- Kleve, H. Edward, Portland, Oreg. Automatic wire cable grip. 2,464,319, Mar. 15.
- Kleyn, Teunis P., Muskegon, Mich. Pneumatic cleaning device. 2,468,934, May 3.
- Kleynen, Petrus H. J. A.: *See*—
Jonker, Johan L. H., and Kleynen.
- Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition regulating apparatus. 2,476,496, July 19.
- Kliever, Waldo H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,490,735, Dec. 6.
- Klima, Vilém, Prague, assignor of one-half to Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Arrangement for compensating the phase of shunt commutator motors. 2,489,897, Nov. 29.
- Klima, Vilém, Prague, assignor of one-half to Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Regulating shunt commutator motors. 2,490,274, Dec. 6.

- Klíma, Vilém, Prague, assignor to one-half to Moravian Electrical Engineering Works, National Corporation, Olomouc, Czechoslovakia. Circuit connection for the compensation of shunt multiphase commutator machines. 2,491,568, Dec. 20.
- Kline, Addison B., Rome, N. Y. Frictionally driven switch. 2,488,629, Nov. 22.
- Kline, Halsey W., Schenectady, N. Y., assignor to General Electric Company. Radio-frequency bridge. 2,461,286, Feb. 8.
- Kline, John E., Grosse Pointe Farms, assignor to Micro-matic Hone Corporation, Detroit, Mich. Device for generating segmental spherical surfaces. 2,463,698, Mar. 8.
- Kling, Fred E., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Gas filter. 2,477,623, Aug. 2.
- Kling, Lester E., Yorktown, Va. Child's rocking bowl. 2,471,528, May 31.
- Klingaman, George W., Camden, N. J., assignor to Radio Corporation of America. Apparatus for heating dielectric materials electronically. 2,464,403, Mar. 15.
- Klingel, Gilbert C., Randallstown, Md., assignor, by mesne assignments, to Armco Steel Corporation. Immersion thermocouple. 2,490,817, Dec. 13.
- Klingen, Leendert: *See—*
- Woods, Harold A., Yates, Klingen, and Barton.
- Klinger Manufacturing Company Limited, The, assignee: *See—*
- Collidge, Albert E., Dawes, and Gilbert.
- Klink, Leon F., Medford, Oreg. Cryptogram machine. 2,484,171, Oct. 11.
- Klinke, Henry O., Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated. Method and apparatus for controlling torch spacing. 2,472,951, June 14.
- Klinke, Henry O., Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated. Apparatus for butt welding with induction heating. 2,480,299, Aug. 30.
- Klinker, Lawrence K., Huntington Park, Calif. Scooter. 2,466,173, Apr. 5.
- Klinkhamer, Hendrik A. W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Structure of dynamoelectric machines. 2,464,320, Mar. 15.
- Klinkhamer, Hendrik A. W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Permanent magnet generator system. 2,486,656, Nov. 1.
- Klint, Tage, Odense, Denmark. Plaited lamp shade. 2,463,114, Mar. 1.
- Klinzing, August F., Milwaukee, Wis. Stock watering fountain. 2,476,876, July 19.
- Klockau, Otto A., Rock Island, Ill. Bolster for four-wheel commercial and farm trailers. 2,473,340, June 14.
- Klocke, William, Woodhaven, N. Y. Mechanical press convertible in respect to compression or tension drive and length of stroke. 2,491,317, Dec. 13.
- Klocun, M. C., assignee: *See—*
- Kosash, John.
- Klomparens, Roy, Rosslyn, Va. Corner construction. 2,470,403, May 17.
- Kloos, Arnold, Sharon, Pa. Shaft trueness tester. 2,470,404, May 17.
- Klöppling, Carel P.: *See—*
- Van Overbeek, Adrianus J. W. M., Alma, and Klöppling.
- Klos, William B., Chicago, Ill. Airplane propeller. 2,491,862, Dec. 20.
- Klose, Alvin A.: *See—*
- Lineweaver, Hans, Klose, and Alderton.
- Klotsch, Paul, and E. A. Taylor, assignors to Crosley Motors, Inc., Cincinnati, Ohio. Cylinder head construction. 2,492,582, Dec. 27.
- Kluckhohn, Edward H., Naperville, Ill. Excavating apparatus. 2,489,898, Nov. 29.
- Klug, Charles W., assignor to Stewart-Warner Corporation, Chicago, Ill. Control apparatus. 2,463,699, Mar. 8.
- Klug, Charles W., assignor to Stewart Warner Corporation, Chicago, Ill. Electric motor control proportioning system. 2,474,679, June 28.
- Kluge, Herman D., Wappingers Falls, and E. C. Knowles, Reacon, assignors to The Texas Company, New York, N. Y. Oxidation inhibitors. 2,469,469, May 10.
- Klugh, Bethune G., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Desilicization of ferrophosphorus. 2,476,418, July 19.
- Klumb, Harvey A.: *See—*
- Wilder, Cecil L., and Klumb.
- Klump, Ferdinand, Jr., Union, assignor to Heyman Manufacturing Company, Kenilworth, N. J. Solderless blade for plug caps. 2,476,738, July 19.
- Klyce, Battle H., Jr., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiver protective circuit for pulse transmission systems. 2,460,755, Feb. 1.
- Klyver, Soren M., Los Angeles, Calif. Game device. 2,462,507, Feb. 22.
- Kmieciak, Leopold J., assignor to McDonnell & Miller, Inc., Chicago, Ill. Pressure relief valve construction. 2,490,219, Dec. 6.
- Knab, Louis F.: *See—*
- Rozsa, John A., and Knab.
- Knabe, Martin C., Library, Pa. Building structure. 2,458,606, Jan. 11.
- Knaggs, Harold J., assignor to The Weatherhead Company, Cleveland, Ohio. Apparatus for molding sealing rings. 2,473,284, June 14.
- Knam, Francis E., assignor, by mesne assignments, of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, Cleveland, Ohio. Multiconductor electric harness. 2,460,830, Feb. 8.
- Knapp, David R., Atlantic Beach, Fla.; E. Tomlinson, M. C. Finley, and E. W. Nittinger, executors of said D. R. Knapp, deceased. Wheel truck. 2,491,318, Dec. 13.
- Knapp, George A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Securing band or ring. 2,458,007, Jan. 4.
- Knapp, Harry M., Scotch Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of electrical contacting elements. 2,472,709, June 7.
- Knapp, Harry M., Scotch Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective device for relay contacts. 2,491,272, Dec. 13.
- Knapp, James H., Company, assignee: *See—*
- Evenstad, Sydney T., and MacGlashan, Jr.
- Knapp, Joseph H., assignor to C. E. Hovey, trustee, Kansas City, Mo. Selective coin operated switch. 2,477,133, July 26.
- Knapp-Monarch Company, assignee: *See—*
- Gundelfinger, William E.
- Huck, Alfred J.
- Knopp, Rudolph.
- Kochner, William B.
- Schwartz, Louis K.
- Snyder, Leland H.
- Snyder, Leland H., and Yost.
- Tomasek, Herbert F., and Ward.
- Knauer, Erwin R.: *See—*
- Wilson, Rosser L., and Knauer.
- Knauf, Harry V., Jr., Oaklyn, N. J., assignor to Radio Corporation of America. Attaching a pin type terminal to a base. 2,464,405, Mar. 15.
- Knauf, Harry V., Jr., Oaklyn, N. J., assignor to Radio Corporation of America. Winding coils. 2,481,313, Sept. 6.
- Knauf, Harry V., Jr., Oaklyn, N. J., assignor to Radio Corporation of America. Coil-winding machine. 2,481,314, Sept. 6.
- Knauth, Walter T., and R. B. Briggs, Houston, Tex. Dip co-ordinator. 2,460,642, Feb. 1.
- Kneass, Frank N., Philadelphia, Pa. Cantilever floor structure. 2,477,256, July 26.
- Kneass, N. R., assignee: *See—*
- Barcus, John W.
- Knecht, Oscar, and T. Wirth, Basel, assignor to Sandoz Limited, Fribourg, Switzerland. Monoazo pyrazolone dyes. 2,471,628, May 31.
- Knecht, Robert C., Cleveland, Ohio. Pivoted jaw wrench actuated by torque-applying extension handle. 2,481,024, Sept. 6.
- Knee, Simon, Newark, N. J. Wallet with auxiliary or secret billfold. 2,458,711, Jan. 11.
- Knee, Simon, Newark, N. J. Wallet with attached pocket-carrying holder. 2,476,739, July 19.
- Knee, Simon, Newark, N. J. Cigarette case with secret pocket. 2,486,788, Nov. 1.
- Kneebone, Lincoln, Dundee, Ill. Tension absorber. 2,461,427, Feb. 8.
- Kneibler, Arthur R., assignor to Cooper's, Incorporated, Kenosha, Wis. Undergarment. 2,462,508, Feb. 22.
- Knelsley Electric Company, assignee: *See—*
- Knelsley, Richard F.
- Knelsley, Joseph W.: *See—*
- Fox, Herman, and Knelsley.
- Knelsley, Joseph W., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of cellulose acetate plastic composition. 2,489,142, Nov. 22.
- Knelsley, Joseph W., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of an optically clear cellulose acetate fraction. 2,489,143, Nov. 22.
- Knelsley, Richard F., assignor to Knelsley Electric Company, Toledo, Ohio. Electric fence charger. 2,465,234, Mar. 22.
- Knelsley, Richard F., Toledo, Ohio. Switch. 2,490,523, Dec. 6.
- Kneissler, Walter: *See—*
- Brill, Aron, and Kneissler.
- Knerr, Carl J.: *See—*
- Pfender, Clifford D., Schultze, and Knerr.
- Kniazuk, Michael, Mountainside, and F. R. Prediger, Elizabeth, assignors, by mesne assignments, to Merck & Co., Inc., Rahway, N. J. Weighing device. 2,489,899, Nov. 29.
- Knibb, Leroy H., Sabot, Va. Ice-cream freezer. 2,488,668, Nov. 22.
- Knickerbocker Rubber Company, assignee: *See—*
- Holden, Orloff W.
- Knickerbocker Rubber Company, Not Inc.: *See—*
- Holden, Orloff W.

- Knight, Albert B., Fairmont, W. Va. Grinding apparatus. 2,475,100, July 5.
- Knight, Arthur H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Stibene triazole azo dyes. 2,467,262, Apr. 12.
- Knight, Arthur R., Dayton, Ohio. Cathode-ray ultra high frequency receiver. 2,458,517, Jan. 11.
- Knight, Claude L.: *See*—
Millidge, Alfred F., and Knight.
Wormell, Robert L., Millidge, and Knight.
- Knight, Cyril H., Toronto, Ontario, Canada, assignor to The Dorr Company, New York, N. Y. Washing thickener system. 2,483,648, Oct. 4.
- Knight, Henry D., Rugby, England, assignor to General Electric Company. Electrical discharge device. 2,460,132, Jan. 25.
- Knight, George D., and B. W. Rowland, assignors to The Institute of Paper Chemistry, Appleton, Wis. Continuously coating porous sheets. 2,471,330, May 24.
- Knight, George H. F., Basingstoke, England. Mounting and driving the land rotor of agricultural or like vehicles. 2,473,800, June 21.
- Knight, Lloyd K., Westerville, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Reversible crusher with pivoted feed chute. 2,463,631, Mar. 8.
- Knight, Lloyd K., Westerville, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Material reducing apparatus having a shiftable feed means. 2,492,872, Dec. 27.
- Knight, Orren W., assignor to Eureka Williams Corporation, Bloomington, Ill. Handle lock. 2,464,587, Mar. 15.
- Knight, Theodore M., Alexandria, and D. A. McBee, Vienna, Va. Feed line machine. 2,473,529, June 21.
- Knighon, Loyd L.: *See*—
Carmack, Comer A., and Knighon.
- Knipper, Louis H., Dayton, Ky. Filter. 2,490,443, Dec. 6.
- Knitcraft Mills: *See*—
Imbriani, Louis.
- Kniveton, James, Wyncote, Pa., assignor to Selas Corporation of America. Heat treating. 2,462,202, Feb. 22.
- Knobel, Fritz, Ennenda, Switzerland. Starter on low-pressure fluorescent tubular lamps. 2,479,372, Aug. 16.
- Knobel, Max, Arlington, Mass., assignor to William L. Gilbert Clock Corporation, Winsted, Conn. Soundproof clock. 2,491,453, Dec. 13.
- Knobloch, Edward: *See*—
Garber, Daniel L., and Knobloch.
- Knoche, William J., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spark gap device. 2,492,295, Dec. 27.
- Knoche, William J., and J. J. Aakjer, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making glass-metal seals. 2,482,494, Sept. 20.
- Knoetzsch, Martin, Guatemala City, Guatemala. Toilet seat protector. 2,491,187, Dec. 13.
- Knoll, Alvin H., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Making bar soap with ingrained emblems. 2,473,530, June 21.
- Knoll, Alvin H., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Bar soap manufacture. 2,484,098, Oct. 11.
- Knopp, Rudolph, assignor to Knapp-Monarch Company, St. Louis, Mo. Two-voltage shaver motor. 2,466,900, Apr. 12.
- Knös, Gunnar B., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical contact device. 2,488,669, Nov. 22.
- Knost, Lloyd H., Webb City, Mo. Grounding shoe for welding machines. 2,474,534, June 28.
- Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread seam and method and machines for inserting the same. 2,486,531, Nov. 1.
- Knott, Edward B., Harrow, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. 2-bis(5-cyclopentylpyrrolo)azamethine dyes. 2,469,830, May 10.
- Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Production of thiazoles and selenazoles with fused-on rings. 2,476,669, July 19.
- Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Preparing polymethine dyes. 2,487,881, Nov. 15.
- Knott, Edward B., Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Producing cyanine dye intermediates. 2,487,882, Nov. 15.
- Knott, Edward B., and J. Morgan, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Antiplumming agents for photographic emulsions. 2,461,987, Feb. 15.
- Knott, Edward B., F. M. Hamer, and R. J. Rathbone, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. 2-amino- and 2-alkylthio-4-(2-furyl)-thiazoles. 2,481,673, Sept. 13.
- Knott, Edward B., F. M. Hamer, and R. J. Rathbone, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. 4-(2-pyrryl) thiazoles and 4-(2-pyrryl) selenazoles. 2,481,674, Sept. 13.
- Knott, Walter L., Los Angeles, Calif., assignor to L. B. Clark, Houston, Tex. Combination pump. 2,460,179, Jan. 25.
- Knott, William H., and H. M. Read, Longview, Tex. Mechanical merchant. 2,476,877, July 19.
- Knotts, Charles L., and R. L. Brown, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cooling system for electrical apparatus. 2,479,373, Aug. 16.
- Knowland, Thomas M., Belmont, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Treating rubber scraps. 2,462,645, Feb. 22.
- Knowles, Alfred D.: *See*—
Taylor, Maurice K., and Knowles.
- Knowles, Edwin C.: *See*—
Kluge, Herman D., and Knowles.
- Knowles, George F., Philadelphia, Pa., assignor of one-fourth to F. H. C. Hancock, and one-half to M. K. Hancock, Baltimore, Md. Lawn mower. 2,479,937, Aug. 23.
- Knowles, Hugh S., River Forest, Ill., assignor to Zenith Radio Corporation. Bone conduction unit. 2,459,325, Jan. 18.
- Knowles, Hugh S., River Forest, Ill., assignor to Jensen Manufacturing Company. Loud-speaker diaphragm support member. 2,469,773, May 10.
- Knowles, Hugh S., River Forest, Ill., assignor to Zenith Radio Corporation. Flexible-surfaced bone conduction hearing aid unit. 2,470,933, May 24.
- Knowles, Raymond L.: *See*—
Colton, Henry S., Frischmuth, and Knowles.
- Knowles, Russell B., Windsor, N. C. Peanut digger. 2,466,113, Apr. 5.
- Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun primer mechanism. 2,466,174, Apr. 5.
- Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun-charging mechanism. 2,488,630, Nov. 22.
- Knowlton, Cutler D., Rockport, and J. G. Hollick, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Pneumatic dust removal machine for hides or skins. 2,482,781, Sept. 27.
- Knowlton, Eugene W., Buffalo, N. Y. Safety cap for gas tanks. 2,489,787, Nov. 29.
- Knowlton, James W., assignor to Norton Company, Worcester, Mass. Method and mold for making boron carbide articles. 2,473,476, June 14.
- Knox, Harry, Mechanicsburg, Pa. Fuel reservoir for cigarette lighters. 2,460,180, Jan. 25.
- Knox, Harry A., Washington, D. C. Suspension unit. 2,462,873, Mar. 1.
- Knox, Harry A., Washington, D. C. Endless band track. 2,487,813, Nov. 15.
- Knox, Harry A., Washington, D. C., and R. I. Strickland, Greenbelt, Md. Suspension system for track adjusting idlers. 2,466,029, Apr. 5.
- Knox, Harry A., Washington, D. C., and R. I. Strickland, Greenbelt, Md. Transmission forward and reverse gear with toggle joint control. 2,476,983, July 26.
- Knox, Lawrence H., Katonah, N. Y., and R. Kapp, Newark, assignors to Nopco Chemical Company, Harrison, N. J. 1 alkylpiperidyl-4-benzhydryl ethers, acid salts thereof and their preparation. 2,479,843, Aug. 23.
- Knox, Samuel S., Long Beach, Calif. Optical instrument for use in aircraft for visually synchronizing the landing wheels and ground movement. 2,481,600, Sept. 13.
- Knox, Willard D., assignee: *See*—
Ravers, Jerry J., Jr.
- Knox, William H., Jr., R. T. Cochran, and W. R. Crudup, Nashville, Tenn., and W. S. Miller, Lake Charles, La., assignors to Victor Chemical Works. Manufacture of crystalline anhydrous monocalcium phosphate. 2,462,104, Feb. 22.
- Knoy, Marion F., Long Beach, assignor to R. T. Collier, Wilmington, Calif. Cooling cycle for internal-combustion engines. 2,481,520, Sept. 13.
- Knudsen, Ad., Long Beach, Calif. Orienting device. 2,489,788, Nov. 29.
- Knudsen, Alfred, assignee: *See*—
Jackson, Rupert F.
- Knudsen, Knud J., assignor to The Lewis Engineering Company, Naugatuck, Conn. Resistance thermometer bulb. 2,476,099, July 12.
- Knudsen, Percy E., and J. A. Hanley, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Machine for dispersing agglomerated pigments in liquids. 2,464,588, Mar. 15.
- Knudson, Giltner J., Guilford, assignor to Bendix Aviation Corporation, New York, N. Y. Rotor and drive shaft with frangible coupling. 2,487,449, Nov. 8.
- Knupp, Harry E., Detroit, Mich. Ice tray construction. 2,492,583, Dec. 27.
- Knutson, Harry, assignor to American Hoist & Derrick Co., St. Paul, Minn. Steam winch. 2,465,594, Mar. 29.
- Koback, Benjamin, assignor to R. J. Driggs, Portland, Ore. Trailer hitch. 2,485,743, Oct. 25.
- Kobbe, Joseph H., Savannah, Ill. Cranking jack for Diesel engines. 2,462,509, Feb. 22.
- Kobe, Inc., assignee: *See*—
Coberly, Clarence J.
Coberly, Clarence J., Jr.

- Kobey, Silas M., assignor to Potato Chip Equipment Corporation, Denver, Colo. Rotary potato slicer. 2,462,105, Feb. 22.
- Koblas, John S., Minneapolis, Minn. Portable electric lantern. 2,492,296, Dec. 27.
- Kobler & Co., assignee: *See*—Burkard, David.
- Kobrin, Robert M., Chicago, Ill. Headband and holder for telephone receivers. 2,460,458, Feb. 1.
- Kobs, Edward A., Minneapolis, Minn. Simulated football game. 2,458,388, Jan. 4.
- Koca, James F., assignor to Woodstock Typewriter Co., Woodstock, Ill. Typewriter space bar and escapement mechanism. 2,475,031, July 5.
- Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,464,816, Mar. 22.
- Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor. 2,467,754, Apr. 19.
- Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shading coil. 2,467,755, Apr. 19.
- Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making shafts having sheet metal journal surfaces. 2,481,025, Sept. 6.
- Koch, Henry, Huntingdon, Pa., assignor to Dictograph Products Company, Inc., New York, N. Y. Bone conduction hearing aid. Re. 23,125, June 21.
- Koch, John B., assignor to American Blower Corporation, Detroit, Mich. Built-in ventilator. 2,483,547, Oct. 4.
- Koch, John H., Tulsa, Okla. Constructing training mock-up. 2,490,690, Dec. 6.
- Koch, Lawrence G., Winnetka, Ill. Folding back and armrest. 2,492,430, Dec. 27.
- Koch, Lydia B., assignee: *See*—Mandell, Irving F.
- Koch, Max, assignor of fifty per cent to F. K. Edelstein and fifty per cent to M. J. Koch, New York, N. Y. Portable device for processing fur or the like. 2,489,900, Nov. 29.
- Koch, Max, assignor of fifty per cent to F. K. Edelstein and fifty per cent to M. J. Koch, New York, N. Y. Fur processing device. 2,491,007, Dec. 13.
- Koch, Melvin J., assignee: *See*—Koch, Max.
- Koch, Richard F., Cedarhurst, N. Y., assignor of fifty per cent to John F. Rider. Single button tuning control for radio sets. 2,487,760, Nov. 8.
- Koch, Sampson D., Eldred, Pa. Adjustable ventilator shield for windows. 2,491,863, Dec. 20.
- Koch, Theodor, Oosterbeek, Netherlands, assignor to American Enka Corporation, Enka, N. C. Production of polyamides. 2,466,854, Apr. 12.
- Koch, William J.: *See*—Schmid, Carl J., and Koch.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulated-amplitude modulated receiver. 2,472,301, June 7.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Ground wire system. 2,473,377, June 14.
- Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Variable permeability tuning system. 2,475,032, July 5.
- Kochem, George E., Schenectady, N. Y. Game scoring device with score indicating lights. 2,458,083, Jan. 4.
- Kochenburger, Ralph J., Clifton, N. J., assignor to Curtiss-Wright Corporation. Control system. 2,478,279, Aug. 9.
- Kocher, Edward H., Boonton, N. J., assignor to Auto Research Corporation. Lubricant pump for hydraulically operated machine tools. 2,487,812, Nov. 15.
- Kocher, Hermann, Engstringen, near Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Automatic arc welding device. 2,491,319, Dec. 13.
- Kochevar, John H., Bisbee, Ariz. Gun mount with foldable firing control frame. 2,457,824, Jan. 4.
- Kochis, John, Staten Island, N. Y. Transmission. 2,480,052, Aug. 23.
- Kochli, Ernest G., Scarsdale, N. Y., and C. A. Olcott, West Milford, N. J. Automatically controlled sprayer for centrifugals. 2,461,741, Feb. 15.
- Kochner, William B., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Valve structure for aerating bottles or the like. 2,484,232, Oct. 11.
- Koel, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Radiation thermostat control for toasters. 2,459,169, Jan. 18.
- Koel, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Toaster control mechanism. 2,459,170, Jan. 18.
- Koel, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Compensating thermostat. 2,486,714, Nov. 1.
- Koelski, Chester J., Struthers, Ohio. Ice shield. 2,489,901, Nov. 29.
- Koemich, Donald O.: *See*—Callahan, John T., Jr., Koemlich, and Adair.
- Koetsu, Michael, Cleveland, and T. S. Mayner, Chagrin Harbor, Willoughby Township, Lake County, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Flier for spinning and twisting machines. 2,490,524, Dec. 6.
- Kodama, George T., and G. M. Ehlers, assignors to Globe-Union Inc., Milwaukee, Wis. Capacitor. 2,475,144, July 5.
- Koebner, Adolf: *See*—Oxley, Peter, Robson, Koebner, and Short.
- Koechlin, Renaud, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. System for measuring frequency deviations. 2,489,296, Nov. 29.
- Koechling, Charles D., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for training aircraft crew members. 2,491,668, Dec. 20.
- Koehler, Fred G., Chicago, Ill. Traction attachment for motor vehicles. 2,472,331, June 7.
- Koehler, Glenn, Madison, Wis. Speed control for induction motors. 2,462,751, Feb. 22.
- Koehler, Gustave J., Los Angeles, Calif. Fluid valve. 2,462,646, Feb. 22.
- Koehler, Gustave J., Dayton, Ohio. Control valve for fluids. 2,477,186, July 26.
- Koehne, Frank J., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for cleaning asbestos. 2,460,938, Feb. 8.
- Koehne, Frank J., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for size reduction and fiberizing of crude fibrous materials. 2,474,314, June 28.
- Koehring Company, assignee: *See*—Beckwith, Raymond A.
- Heine, Ferdinand H.
- Koeln, Carl C., St. Louis County, Mo. Removable drilling bit. 2,472,710, June 7.
- Koenig, Anna C., assignee: *See*—Koenig, Frederick A. G.
- Koenig, Francis L., Arlington, Va. Slide rule. 2,486,748, Nov. 1.
- Koenig, Frederick A. G., assignor to A. C. Koenig, Chicago, Ill. Computing machine. 2,487,342, Nov. 8.
- Koenig, Frederick A. G., assignor to A. C. Koenig, Chicago, Ill. Mechanical computing apparatus. 2,487,341, Nov. 8.
- Koenig, H. G., assignee: *See*—Speer, Joseph G.
- Koenig, Martin F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,488,670, Nov. 22.
- Koenig, Werner, Lucerne, assignor to Landis & Gyr A. G., Zug, Switzerland. Resonance-receiving relay switching device. 2,476,419, July 19.
- Koepfli, Joseph B., San Marino, and E. R. Buchman, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of War. Quinoline derivative having antimalarial properties. 2,492,487, Dec. 27.
- Koepke, Walter, Baytown, Tex. Trash picker. 2,463,184, Mar. 1.
- Koeppel, Alvern E., Grand Forks, N. Dak. Aircraft rotor and control thereof. 2,484,099, Oct. 11.
- Koerber, Walter L.: *See*—Rake, Geoffrey W., Koerber, and Donovick.
- Koerner, William E., St. Louis, Mo. Vase. 2,482,278, Sept. 20.
- Koertge, Nobel H.: *See*—Furnas, William C., and Koertge.
- Koertge, Nobel H., Glen Ellyn, assignor to Furnas Electric Company, Batavia, Ill. Toggle actuated switch. 2,469,119, May 3.
- Koertge, Nobel H., Glen Ellyn, and E. L. Rucks, Aurora, assignors to Furnas Electric Company, Batavia, Ill. Foot actuated rotary switch. 2,482,550, Sept. 20.
- Koeser, William H., Two Rivers, Wis. Sliding door lock. 2,473,285, June 14.
- Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Magazine for wire hook belt lacers. 2,481,123, Sept. 6.
- Koester, Jacob G., Detroit, Mich. Support for clotheslines and the like. 2,486,035, Oct. 25.
- Koffler, Samuel, Brooklyn, assignor of one-half to I. A. Oremland, New York, N. Y. Key operating implement. 2,469,648, Nov. 29.
- Kogel, John, Malverne Park, Long Island, assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Scanning lens with mounting means for sound projectors. 2,458,860, Jan. 11.
- Koger, Everett L., San Gabriel, Calif. Burner for gas lamps. 2,480,251, Aug. 30.
- Kogler, Harold F., and J. E. Wack, assignors to Teletype Corporation, Chicago, Ill. Pulsing device for electrically operated perforators. 2,492,584, Dec. 27.
- Kohl, Everard F., Lakewood, Ohio. Snap acting device. 2,458,518, Jan. 11.
- Kohl, Everard F., Lakewood, Ohio. Switch or like apparatus. 2,469,336, May 3.
- Kohl, Everard F., Lakewood, Ohio. Control apparatus for switches and the like. 2,469,337, May 3.
- Kohl, Everard F., Lakewood, Ohio. Circuit interrupting device. 2,472,332, June 7.
- Kohl, Everard F., Lakewood, Ohio. Snap acting electric switch. 2,472,333, June 7.
- Kohl, John C., Pittsburgh, and J. A. Desmone, Springdale, Pa., assignors to Pittsburgh Corning Corporation. Mounting of cellular glass slabs. 2,474,363, June 28.

- Kohl, William R., Glenview, Ill. Container inspection window having light excluding shutter. 2,479,627, Aug. 23.
- Kohl, William R., Glenview, and A. L. Iverson, assignors to Para-Lux Products Company, Chicago, Ill. Necktie rack. 2,492,226, Dec. 27.
- Kohler, Alfred, Neuchatel, assignor to Sirco A.-G., Zurich, Switzerland. Mercury vapor discharge vessel and connection arrangements for the same. 2,458,861, Jan. 11.
- Kohler, Anthony M., Spring Lake, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Heat exchanger. 2,468,712, Apr. 26.
- Kohler, Frederick E., Berkeley, Calif. Safety plate. 2,470,439, May 17.
- Kohler, George O.: *See—*
Graham, William R., Jr., Kohler, and Frye.
- Kohler, Thomas A., Chicago, Ill. Earring. 2,490,908, Dec. 13.
- Kohler, Thomas R., Chicago, Ill. Printing indicia on photographs. 2,466,444, Apr. 5.
- Kohlhagen, Walter, assignor to Elgin National Watch Company, Elgin, Ill. Watch balance testing apparatus and magazine therefor. 2,474,947, July 5.
- Kohlhauser, William L., and W. R. Bird, Los Angeles, Calif. Luminous and luminescent sign. 2,480,584, Aug. 30.
- Kohn, Harold B., Bronx, and M. Schneiderman, Brooklyn, N. Y. Calculator. 2,470,495, May 17.
- Kohn, Julius, New York, assignor to Colby Lighter Corporation, Mount Vernon, N. Y. Lighter. 2,478,584, Aug. 9.
- Kohnstamm, H., & Co. Inc., assignee: *See—*
Rich, Edward A.
- Kohout, Eugene A., Miami, Fla. Necktie clasp. 2,484,172, Oct. 11.
- Kohout, George A., Chicago, Ill. Stoker. 2,492,585, Dec. 27.
- Kohr, Robert F., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Automatic transmission and overdrive. 2,466,318, Apr. 5.
- Kohring, Wilbur M., Lakewood, Ohio. Resistance unit and making same. 2,487,057, Nov. 8.
- Kolzan, Walter J., Elgin, Nebr. Oil filter. 2,460,888, Feb. 8.
- Koljan, John J., Bedford, and L. A. Witucky, Cleveland, Ohio. Clamping ring for metal containers. 2,486,565, Nov. 1.
- Kojevnikov, Nickolas N.: *See—*
Dreyfus, Camille, Andersen, and Kojevnikov.
- Kokatnur, Vaman R.: *See—*
Wiczer, Sol B., and Kokatnur.
- Kolb, Walter G., Washington, D. C. Convenience outlet. 2,459,659, Jan. 18.
- Kolbe, Henry H., Los Angeles, Calif., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Fuel cell fitting. 2,459,747, Jan. 18.
- Kolbert, Oswald, Flushing, and A. S. Messer, Ozone Park, assignors to Waldes Kohinoor, Inc., Long Island City, N. Y. Slide fastener. 2,470,251, May 17.
- Kolbus, Karl, Milwaukee, Wis. Door check. 2,477,486, July 26.
- Kolding, Aaron R., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna control system. 2,458,175, Jan. 4.
- Koleda, Michael A., Rocky Hill, assignor to Hartford-Empire Company, Hartford, Conn. Glass feeder tube adjusting mechanism. 2,479,121, Aug. 16.
- Koleske, Otto: *See—*
Ward, George A., and Koleske.
- Kolesnikoff, Mark T., Los Angeles, Calif. Focus and magnification indicator for photographic enlargers. 2,472,907, June 14.
- Kolin, Isadore M., Detroit, Mich. Removable drawerlike cooling device for refrigerator cabinets. 2,465,459, Mar. 29.
- Kollath, Bernard M., assignee: *See—*
Gassmann, Raymond M.
- Kollenberg, Conrad H.: *See—*
Dayton, Herbert P., and Kollenberg.
- Koller, Emil, Zurich, assignor to Dabo Ltd., Zug, Switzerland. Steplessly variable speed-changing gear. 2,490,525, Dec. 6.
- Koller, Frederick W., Huntington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pressure seal for rotary joints. 2,481,430, Sept. 6.
- Kollmorgen Optical Corporation, assignee: *See—*
Kogel, John.
- Kolloff, Harold G., assignor to The Upjohn Company, Kalamazoo, Mich. Germicidal compositions. 2,489,965, Nov. 29.
- Kollman, Paul, New York, N. Y. Thermodynamic machine. 2,490,064, Dec. 6.
- Kollman, Paul, New York, N. Y. Thermodynamic machine. 2,490,065, Dec. 6.
- Kollman, Paul, New York, N. Y. Diffuser. 2,490,066, Dec. 6.
- Kollman, Paul, New York, N. Y. Thermodynamic machine. 2,490,067, Dec. 6.
- Kolody, John: *See—*
Smith, Hugh T., Scheller, Meincke, and Kolody.
- Koloske, Henry J., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin sewing and trimming machine. 2,487,928, Nov. 15.
- Kolpien, Kenneth H., assignee: *See—*
Casper, Frank.
- Kolster, Frederick A., New York, N. Y. Radio direction finding system. 2,463,286, Mar. 1.
- Kolter, Louis W., Sr., Knoxville, and W. G. Kolter, Oak Ridge, Tenn. Cigarette lighter. 2,469,507, May 10.
- Kolter, William G.: *See—*
Kolter, Louis W., Sr., and Kolter.
- Kolvoort, Egbert C. H., and G. Akkerman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Emulsifying polymerizable compounds and effecting polymerization with said emulsions. 2,479,241, Aug. 16.
- Komarnitsky, Rostislav S.: *See—*
Hammond, Milton B., and Komarnitsky.
- Komassa, Jerome S., Milwaukee, Wis., assignor, by mesne assignments, to R. F. Becker, Kalamazoo, Mich. Reel. 2,485,385, Oct. 18.
- Komline-Sanderson Engineering Corporation, assignee: *See—*
Komline, Thomas R.
- Komline, Thomas R., Glen Rock, assignor to Komline-Sanderson Engineering Corporation, Ridgewood, N. J. Continuous rotary drum filter. 2,461,824, Feb. 15.
- Komm, Paul M., Riverside, Ill., assignor to Solar Manufacturing Corporation, New York, N. Y. Lighting system and apparatus. 2,465,103, Mar. 22.
- Konchan, Anton W., Berwyn, Ill. Locking cap for receptacles. 2,467,087, Apr. 12.
- Konchan, Anton W., Berwyn, Ill. Receptacle closure means. 2,467,088, Apr. 12.
- Konczal, Harry V., Detroit, Mich. Dental plate brush. 2,464,321, Mar. 15.
- Konen, Arne E., and S. K. Warner, Hartford, Conn. Safety match packet. 2,482,189, Sept. 20.
- Konen, James C., and B. W. Schroeder, Minneapolis, Minn., assignors to Archer-Daniels-Midland Company. Protein water paint vehicles having increased wet abrasion resistance. 2,462,811, Feb. 22.
- Konet, Henry, Paramus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Caging mechanism. 2,468,016, Apr. 19.
- Konet, Henry, Paramus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Rate gyroscope. 2,479,122, Aug. 16.
- Konicek, Frank, Baltimore, and H. J. Vennes, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,459,228, Jan. 18.
- Konikoff, Harry, New York, N. Y. Display device. 2,467,041, Apr. 12.
- Konikoff, Harry, New York, N. Y. Display device. 2,467,042, Apr. 12.
- Koniuszy, Frank R.: *See—*
Folkers, Karl, and Koniuszy.
- Kono Mead Equipment Corporation, assignee: *See—*
Mead, Harry A.
- Konold, Clyde H., Magna, Utah. Bow trigger mechanism. 2,488,597, Nov. 22.
- Konrad, John S., Leicester, Mass., assignor to The American Steel and Wire Company of New Jersey. Method and apparatus for replacing water-cooled arches. 2,491,985, Dec. 20.
- Konrad, William L., Pittsburgh, P. N. Bossart, Cheswick, and C. E. Leberknight, Emsworth, assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway train communicating system. 2,460,354, Feb. 1.
- Kooijman, Eduard C., and J. Overhoff, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Unsaturated halogen-containing nitro compounds and their production. 2,473,341, June 14.
- Kooijman, Eduard C., and J. H. A. Höing, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Alkylated aromatic compounds of improved color from impure starting materials. 2,490,444, Dec. 6.
- Kooijman, Pieter L., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Hydrogen peroxide distillation after removal of organic peroxides. 2,461,988, Feb. 15.
- Kooistra, John A., assignor to Davis & Furber Machine Company, North Andover, Mass. Spinning frame. 2,479,497, Aug. 16.
- Kooistra, Lambert: *See—*
Kerr, Howard J., Fletcher, Watts, and Kooistra.
- Kool-Vent Metal Awning Company of Louisiana, assignee: *See—*
Houseman, George A.
- Koolvent Metal Awning Corporation of America, assignee: *See—*
Korman, Samuel, and Harrison.
- Koon, Arthur J.: *See—*
McKay, William J. A., and Koon.
- Koon, Arthur W., Luling, La. Apparatus of the fluid current type for desiccating foodstuffs. 2,478,970, Aug. 16.
- Koon, Frederick H., Charlestown, N. H. Fishing rod holder. 2,483,012, Sept. 27.
- Koonce, Samuel, and E. Perry, assignors to Distillation Products, Inc., Rochester, N. Y. Treatment of tall oil and portions thereof. 2,485,744, Oct. 25.
- Koontz, Philip G., Fort Collins, Colo., assignor to the United States of America as represented by the United States Atomic Energy Commission. Neutron detector and making same. 2,491,320, Dec. 13.

- Koontz, Pierce W., Glendale, Calif. Blade handle. 2,464,091, Mar. 8.
- Koonz, John C., Fort Wayne, Ind. Commutator construction for electric devices. 2,478,536, Aug. 9.
- Koonz, John C., assignor to The Magnavox Company, Fort Wayne, Ind. Heat dissipator for electrical devices and equipment. 2,485,745, Oct. 25.
- Koopman, Kenneth H., Kenmore, N. Y., assignor to Union Carbide & Carbon Corporation. Welding flux. 2,460,988, Feb. 8.
- Koopman, Kenneth H., Kenmore, N. Y., assignor to Union Carbide and Carbon Corporation. Copper base alloy. 2,473,028, June 14.
- Kooyman, Evert A., Chicago, Ill., assignor to International Harvester Company. Magneto rotor. 2,488,729, Nov. 22.
- Kopczynski, John F., Buffalo, N. Y. Tool. 2,488,205, Nov. 15.
- Kopel, Irving J., Chicago, Ill. Electric iron rest. 2,486,604, Nov. 1.
- Kopf, Frank S., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Bearing assembly for centrifuges and the like. 2,487,343, Nov. 8.
- Kopf, Harold, New York, N. Y. Safety window guard. 2,459,884, Jan. 25.
- Kopischiansky, Andrew F., Maple Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Servo unit test stand. 2,459,535, Jan. 18.
- Kopp, Georges, Mont Saint-Aignan, and R. Gangneux, Rouen, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Disazo pyrazolone dyes. 2,477,487, July 26.
- Kopp, Georges, Mont Saint-Aignan, and R. E. M. Gangneux, Rouen, assignors to Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Azo dyestuffs and dyeing cellulose acetate. 2,488,204, Nov. 15.
- Kopp, Herman A., Bronx, N. Y. Hydraulic drive for motor vehicles. 2,468,828, May 3.
- Kopp, Jean, Berne, Switzerland. Stepless variable change-speed gear with roller bodies. 2,469,653, May 10.
- Koppel, Ernst R., Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Clothes drier. 2,460,422, Feb. 1.
- Koppel, Ernst R., assignor to Borg-Warner Corporation, Chicago, Ill. Liner and tap ring for steel barrels. 2,460,756, Feb. 1.
- Koppel, Ernst R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Forming propeller tip sections. 2,465,884, Mar. 29.
- Koppenhoefer, Robert M.: See—
Van Horn, Harry T., and Koppenhoefer.
- Koppers Company, assignee: See—
Denig, Fred.
Swietoslowski, Wojciech.
- Koppers Co., Inc., assignee: See—
Kjellman, Harry A., Jr.
- Koppers Company, Inc., assignee: See—
Cavelli, John E.
Corson, Ben B.
Corson, Ben B., and Webb.
Cotton, William J.
Denig, Fred.
Denton, Earl T.
D'Ouville, Edmond L.
Fair, William F., Jr.
Glowacki, William L.
Gollmar, Herbert A.
Hackett, Paul F.
Hill, William H.
Inslinger, Thomas H., Jr.
Johnson, Robert.
Koeing, William O.
Kimmel, Singleton H.
Mitchell, John, and Gollmar.
Monroe, Kenneth P.
Rhodes, Philip H.
Rueckel, Walter C.
Shaw, Joseph A.
Shaw, Joseph A., and Fisher.
Stromquist, Russell C.
Swietoslowski, Wojciech, and Anderson.
van Adkeren, Joseph.
Van der Hoeven, Bernard J. C.
- Koppers Company, Incorporated, assignee: See—
Shaw, Joseph A.
- Koppius, Otto G., White Plains, assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y. X-ray diffraction apparatus. 2,476,150, July 12.
- Kopplin, Karl, St. Louis, Mo., assignor to Frank C. Snedaker & Co., Inc., Philadelphia, Pa. Chair seat and back. 2,488,728, Nov. 22.
- Kopprasch, Robert W., St. Albans, assignor to Eastern Air Devices, Inc., Brooklyn, N. Y. Combination sling-spacer. 2,483,013, Sept. 27.
- Kops Bros., Inc., assignee: See—
Kops, Richard S.
- Kops, Richard S., Scarsdale, assignor to Kops Bros., Inc., New York, N. Y. Convertible foundation garment. 2,458,712, Jan. 11.
- Kord Manufacturing Co., Inc., assignee: See—
Redler, Philip, Davies, and Unger.
- Kordish, John J., and M. Trotta, assignors to Oliver Iron Mining Company, Hibbing, Minn. Door operating mechanism for dump cars. 2,463,395, Mar. 1.
- Korecky, Edward J., Shaker Heights, assignor to Barmatic Machines, Inc., Cleveland, Ohio. Apparatus for making shackle bolts. 2,492,227, Dec. 27.
- Korée, Jean U., assignor to The Jacques Loewe Research Foundation, Inc., New York, N. Y. Therapeutic preparations for intramuscular or subcutaneous injection and making the same. 2,487,975, Nov. 15.
- Korenman, Richard: See—
Kirsch, Isidore, and Korenman.
- Korkosz, Frank D., Chicopee, Mass. Projection apparatus for objects in machining operations. 2,489,789, Nov. 29.
- Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Electron discharge device and associated circuit. 2,462,510, Feb. 22.
- Korman, Samuel B., Pittsburgh, Pa. Metal umbrella. 2,466,595, Apr. 5.
- Korman, Samuel, and M. Harrison, assignor to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa. Metal building. 2,482,624, Sept. 20.
- Kormendi, Laszlo, assignee: See—
Lowen, Leslie.
- Korn, Arthur H., assignor to Airborne Conveyors Corporation, New York, N. Y. Air lock and valve for pneumatic conveying systems. 2,470,744, May 17.
- Korn, Franklin A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connector. 2,465,540, Mar. 29.
- Kornemann, Henry C., Kenmore, N. Y., assignor to The Linde Air Products Company. Container for liquefied gases. 2,460,355, Feb. 1.
- Korner, John, Philadelphia, Pa., assignor to Silmo Chemical Corporation, Vineland, N. J. Stabilized fats and oils. 2,486,177, Oct. 25.
- Korody, Arthur J., Cardington, Ohio. Fuel tank indicator. 2,457,905, Jan. 4.
- Koroly, Joseph E.: See—
Niederhauser, Warren D., and Koroly.
- Korpela, Toivo B., assignor of one-half to K. H. Vartia, Chicago, Ill. Therapeutic concussion vibrator. 2,466,659, Apr. 5.
- Korpi, Karl J.: See—
Volz, John L., and Korpi.
- Korrol, Irving, Brooklyn, N. Y. Blank base and its manufacture. 2,463,780, Mar. 8.
- Korsgren, Theodore Y., Reynoldsburg, assignor to Crise Manufacturing Company, Columbus, Ohio. Self-aligning bearing construction. 2,470,354, May 17.
- Korsgren, Theodore Y., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Combination igniter and flame detector. 2,482,551, Sept. 20.
- Korsgren, Theodore Y., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Gas burning space heater. 2,482,552, Sept. 20.
- Korsgren, Theodore Y., Winnetka, and V. N. Tramontini, assignors to Stewart-Warner Corporation, Chicago, Ill. Electrical igniter. 2,485,496, Oct. 18.
- Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Company, Hopkins, Minn. Crop feed mechanism for combines. 2,470,704, May 17.
- Korth, William J., assignor of one-half to S. W. Levine, Cleveland, Ohio. Electrical connector. 2,459,032, Jan. 11.
- Korth, William J., assignor to Pioneer Products Company, Cleveland, Ohio. Mailbox with door-actuated signal. 2,477,379, July 26.
- Korum, Henry E., East Moline, assignor to Deere & Company, Moline, Ill. Centrifugally controlled planetary gearing. 2,458,389, Jan. 4.
- Kosak, Alvin I.: See—
Crowley, Duncan J., and Kosak.
Hartough, Howard D., and Kosak.
Hartough, Howard D., Kosak, and Reid.
Hartough, Howard D., Lukasiewicz, and Kosak.
- Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylating thiophene. 2,457,825, Jan. 4.
- Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylating thiophene with silica-alumina catalyst. 2,458,519, Jan. 11.
- Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,458,520, Jan. 11.
- Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylating thiophene with silica-hydrous metallic oxide catalyst. 2,458,521, Jan. 11.
- Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of aromatic alkoxy compounds. 2,468,762, May 3.
- Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic acylation of phenyl alkyl ethers. 2,475,567, July 5.
- Kosash, John, assignor to M. C. Kolczun, Lorain, Ohio. Fish lure. 2,475,101, July 5.

- Kosinski, John, New Hyde Park, N. Y. Sectional shield device. 2,469,774, May 10.
- Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Tetraalkyl phenyl triphosphates. 2,479,938, Aug. 23.
- Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Making tetraalkyl pyrophosphates. 2,479,939, Aug. 23.
- Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Diolefin phosphonic acids and polymers thereof. 2,486,657, Nov. 1.
- Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing polyphosphoric acid esters. 2,486,658, Nov. 1.
- Kost, Alvin, Portland, Oreg. Universal joint. 2,485,893, Oct. 25.
- Koster, Frederick W., Wallingford, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for treating filamentary material. 2,468,081, Apr. 26.
- Koster, Frederick W., Wallingford, and L. A. Oberly, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Drying apparatus. 2,485,609, Oct. 25.
- Koster, Grace V., Hayward, Calif. Device in aid of spastics. 2,492,920, Dec. 27.
- Koster, John, assignor to Crimora Research & Development Corporation, Crimora, Va. Purifying manganese electrolytes. 2,483,287, Sept. 27.
- Koster, John R.: *See*—
Webb, Paul S., and Koster.
- Koster, William A., Highland Park, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y. Construction for preventing disengagement of gears. 2,486,715, Nov. 1.
- Koster, William A., Highland Park, and G. E. Soper, New Brunswick, N. J., assignors to Mack Manufacturing Corporation, New York, N. Y. Six-speed transmission with superposed planetary transmission. 2,465,885, Mar. 29.
- Kosting, Peter R.: *See*—
Zagwyn, Theodore K.
- Kostka, Edward, assignor of one-half to A. Kasperek, La Porte, Ind. Wheel. 2,461,742, Feb. 15.
- Kostrubanic, Michael, Jr., Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,463,700, Mar. 8.
- Kozewski, Frank, Webster, Mass. Perforated combustion tube oil burner. 2,468,450, Apr. 26.
- Kotches, Frank A., Princeton, N. J., and W. D. Tipton, Stoneleigh, Md., said Kotches assignor to W. D. Tipton, as trustee; E. B. Tipton, executrix of said W. D. Tipton, deceased. Showerhead. 2,462,752, Feb. 22.
- Kothera, Edward J.: *See*—
Brinen, Howard F., and Kothera.
- Kothny, Gottfrank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying device. 2,457,826, Jan. 4.
- Kotler, Paul, Irvington, N. J. Shuffleboard weight. 2,467,043, Apr. 12.
- Kotterman, Chester A., New York, N. Y., assignor to Schauer Machine Company, Cincinnati, Ohio. Rectifier. 2,485,450, Oct. 18.
- Kottkamp, Norman C., and P. J. Bailey, assignors to The Langenkamp-Wheeler Brass Works, Inc., Indianapolis, Ind. Cream sediment tester. 2,487,248, Nov. 8.
- Kottke, Edward R., St. Paul, Minn. Trolling plate attachment. 2,458,785, Jan. 11.
- Kotzin, Tobias, assignee: *See*—
Bayless, George W.
- Kouba, Leslie C., Minneapolis, Minn. Decoy. 2,478,585, Aug. 9.
- Koucky, Frantisék: *See*—
Koucky, Josef and F.
- Koucky, Josef, assignor to Zbrojovka Brno, Narodni Podnik (also named Brno Arms Factory, National Corporation), Prague, Czechoslovakia. Breechblock device for firearms. 2,485,155, Oct. 18.
- Koucky, Josef and F., Prague, assignors to Zbrojovka Brno, Narodni Podnik, also named Brno Arms Factory, National Corporation, Brno, Czechoslovakia. Cartridge extractor, especially for one-shot firearms. 2,479,844, Aug. 28.
- Kough, Herbert L., Erie, Pa. Apparatus for inspection of the eye. 2,489,902, Nov. 29.
- Kouril, Frank, Jr., Springfield, Mass. Fence. 2,484,413, Oct. 11.
- Kovac, Michael L., Garfield, N. J. Heating tool. 2,470,854, May 24.
- Kovacs, George J., Walled Lake, Mich. Method and apparatus for molding. 2,460,831, Feb. 8.
- Kovacs, Louis, Astoria, N. Y. Necktie rack. 2,473,029, June 14.
- Koval, George L., Dover, Del. Wheel rotating device. 2,464,872, Mar. 22.
- Kovalsky, Joseph F., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed regulating system. 2,462,203, Feb. 22.
- Kowalski, Ted, Toledo, Ohio. Bucket holder. 2,461,825, Feb. 15.
- Kowan, Maurice H., Los Angeles, Calif. Proctoscope. 2,469,880, May 10.
- Koza, Charles A., Pittsburgh, Pa. Angle drill. 2,462,647, Feb. 22.
- Kozachuk, Eustace, Toronto, Ontario, Canada. Automatic tack dispenser. 2,469,233, May 3.
- Kozenski, Anton E., Racine, Wis. Furnace grate. 2,485,386, Oct. 18.
- Kozma, Ladislav, and G. X. Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical code printer. 2,459,821, Jan. 25.
- Krabbe, Ulrik H., Fr. Boge, Denmark, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Regulating a machine voltage. Re. 23,148, Sept. 20.
- Krabbe, Ulrik, Fruens Boge, Denmark, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Voltage regulator for alternating current machines. 2,477,988, Aug. 2.
- Kracklauer, Aloysius C., assignor, by mesne assignments, to Sparkler Mfg. Co., Mundelein, Ill. Filter. 2,460,423, Feb. 1.
- Krafft, Herman L., Cleveland Heights, and L. J. Walters, Shaker Heights, assignors to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Seat post cluster structure for bicycles. 2,491,379, Dec. 13.
- Kraemer, Elmore A., assignor to West Bend Aluminum Co., West Bend, Wis. Detachable utensil handle. 2,487,559, Nov. 8.
- Kraepelien, Hans Y., Saltsjöbaden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Handset provided with a sound collecting lid movably mounted before the microphone. 2,490,637, Dec. 6.
- Kraft, Eugene W., Chicago, Ill., assignor to Keuffel & Esser Company, Hoboken, N. J. Band chain reel. 2,476,878, July 19.
- Kraft Foods Company, assignee: *See*—
Dahnke, Marye.
Hills, Joseph E.
Riemer, John.
- Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Tail wheel for airplanes. 2,477,754, Aug. 2.
- Kraft, Joseph K.: *See*—
Sandin, Jerome, Kraft, and Rawlins.
- Kraft, Wheaton W., Scarsdale, P. Lambert, Jackson Heights, and C. F. Montross, assignors to The Lummus Company, New York, N. Y. Flash chamber. 2,489,903, Nov. 29.
- Krahl, Walter L., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Electrode securing means. 2,461,743, Feb. 15.
- Krahler, Stanley B.: *See*—
Benning, Anthony F., Park, and Krahler.
- Krahulec, Fred, Skokie, assignor to A. C. Nielsen Company, Chicago, Ill. Stylus for graphic recording. 2,484,298, Oct. 11.
- Krajcik, Frank J.: *See*—
Tiffany, Raymond E., and Krajcik.
- Krajewski, John H.: *See*—
Di Vita, Samuel, and Krajewski.
- Krakauer, Daniel: *See*—
Gauci, Joseph, and Krakauer.
- Krakora, John, Park Ridge, Ill. Reclining chair. 2,485,387, Oct. 18.
- Kralinator Products Limited, assignee: *See*—
Fouse, Charles N., and Krieg.
- Krall, Walter, Holyoke, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,476,740, July 19.
- Kram, Walter, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric transformer. 2,462,106, Feb. 22.
- Kramer, Albert W.: *See*—
Newell, Harold A., and Kramer.
- Kramer, Allington H., Aurora, Colo. Mowing attachment for tractors. 2,466,114, Apr. 5.
- Kramer, Clarence F.: *See*—
Brock, Harold L., and Kramer.
Stephenson, Thomas W., and Kramer.
- Kramer, Clarence F., Birmingham, Mich. Weatherstrip molding. 2,464,406, Mar. 15.
- Kramer, Clarence F., Birmingham, and H. F. Cromwell, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Body cowl construction. 2,488,471, Nov. 15.
- Kramer, Daniel, Cleveland Heights, Ohio. Motion-picture reel. 2,484,100, Oct. 11.
- Kramer, Fred S., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering nozzle for jet-propelled aircraft. 2,472,839, June 14.
- Kramer, Herman J., Cleveland, Ohio, assignor of one-half to E. J. Reardon. Finger hole insert for bowling balls. 2,482,190, Sept. 20.
- Kramer, Israel, assignor to Kramer Trenton Company, Trenton, N. J. Producing condensers or the like. 2,475,187, July 5.
- Kramer, Jan: *See*—
Addink, Nicolaas W. H., Boucher, de Lange, and Kramer.
- Kramer, Marjorie, assignee: *See*—
Kramer, Melvin L.
- Kramer, Melvin L., assignor to M. Kramer, Newark, N. J. Cabinet having combined doors and slidable shelf. 2,470,993, May 24.

- Kramer, Nathan, assignor to Kramer Trenton Company, Trenton, N. J. Producing condensers or the like for heat exchange apparatus. 2,462,511, Feb. 22.
- Kramer, Paul H., assignor to Park Chemical Company, Detroit, Mich. Rectifying a neutral molten salt treating bath. 2,474,680, June 28.
- Kramer Trenton Company, assignee: *See*—
Frie, George.
Kramer, Israel.
- Kramer, Vincent J.: *See*—
Laubach, Howard E., Johnson, and Kramer.
- Kramer, Walter F., Detroit, Mich. Fire extinguisher. 2,480,033, Aug. 23.
- Kramers, William J.: *See*—
Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.
- Kraner, Warren A., assignor to General Paint Corporation, San Francisco, Calif. Pipe-cleaning machine. 2,460,989, Feb. 8.
- Krannak, Steven J., St. Paul, Minn. Protective cot. 2,474,535, June 28.
- Krantz, John C., Jr., and D. V. Kibler, Baltimore, Md.; said Kibler assignor to said Krantz. Basic aluminum salt of an aliphatic amino acid and preparing the same. 2,480,743, Aug. 30.
- Kranzinski, Leo C.: *See*—
Hess, Willis C.
- Krapf, Herman C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controller. 2,473,889, June 21.
- Krapp, John T., Port Washington, N. Y. Coupling. 2,478,586, Aug. 9.
- Krasberg, Rudolf G., Chicago, Ill. Hose clamp. 2,459,436, Jan. 18.
- Krasberg, Rudolf, Chicago, Ill. Bottle cap. 2,483,055, Sept. 27.
- Krasberg, Rudolf, Chicago, Ill. Hobbyhorse. 2,487,249, Nov. 8.
- Kraska, Reinhold M., Altadena, assignor, by mesne assignments, to A. R. Brooks, doing business as Aluminum Folding Crutch Company, Los Angeles, Calif. Folding article. 2,460,459, Feb. 1.
- Krasnow, Shelley, Arlington County, Va., and L. F. Curtiss, Montgomery County, Md., assignors by mesne assignments, to said Krasnow. Measuring system for borehole radio-activity. 2,487,058, Nov. 8.
- Krassilnikian, Sarkis, and B. Heller, Prague, Czechoslovakia. Apparatus for mechanically displacing a microscope specimen support or the like. 2,490,970, Dec. 13.
- Kratz, John A., Yonkers, N. Y., and H. G. Thoma, Rutherford, N. J., assignors to The Linde Air Products Company. Automatic electric fusion welding apparatus and process. 2,460,990, Feb. 8.
- Kratzer, Herbert J., St. Louis, Mo. Positive displacement oscillating roller vane pump having constant delivery. 2,465,595, Mar. 29.
- Kratzer, Paul, assignor to A. J. Amsler & Co., Schaffhouse, Switzerland. Apparatus for adjusting the plane of the clamping elements of hydraulic testing machines. 2,489,904, Nov. 29.
- Krauer, Otto, Yonkers, and A. W. Forsberg, Kew Gardens, assignors by mesne assignments, to Gavoco Laboratories, Inc., New York, N. Y. Alternator control system. 2,472,538, June 7.
- Kraus, Alvin R., North Hollywood, Calif. Arm support for use on surgical operating tables. 2,459,033, Jan. 11.
- Kraus, Charles A., Providence, R. I., and J. D. Calfee, Manhasset, N. Y., assignors to Standard Oil Development Company. Friedel-Crafts type catalyst complexes and their preparation. 2,491,116, Dec. 13.
- Kraus, Helm E., assignor to Lee J. Drennan, Inc., Arcade, N. Y. Work support. 2,488,296, Nov. 15.
- Kraus, Joseph, Chicago, Ill. Wheel lock and hydraulic release. 2,460,298, Feb. 1.
- Kraus, Lazarus, United States Navy, Brooklyn, N. Y. Hand mount for cameras. 2,466,713, Apr. 12.
- Kraus, Wilhelm: *See*—
Ott, Gustav H., and Kraus.
- Krause, Charles A., Jr., assignee: *See*—
Lloyd, William R., and Schafer.
- Krause, Erick, Jamaica, assignor of one-half to B. R. Peukert, Stapleton, N. Y. Safety attachment for bill-folds or like articles. 2,480,484, Aug. 30.
- Krause, Erwin W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Securing mechanical members to shafts or the like. 2,460,091, Jan. 25.
- Krause, Gunter, Los Angeles, Calif. Movable toolholder for lathes. 2,466,596, Apr. 5.
- Krause, Norman R., and C. W. Hansen, assignors to J. I. Case Company, Racine, Wis. Combination drawbar and vehicle support. 2,475,145, July 5.
- Krause, William K., Los Angeles, Calif. Musical instrument and support therefor. 2,478,537, Aug. 9.
- Krauth, Edwin A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep amplifier. 2,475,188, July 5.
- Krautter, Louis M., Glencoe, Ill. Golf swing trainer. 2,461,826, Feb. 15.
- Kravitt, Irwin H., Philadelphia, Pa. Lamp. 2,488,087, Nov. 15.
- Kravitz, Ben, assignee: *See*—
Beldle, Robert F.
- Kravitz, Oscar C., assignee: *See*—
Beldle, Robert F.
- Krazinski, Leo C., assignee: *See*—
Stoye, Kurt.
- Krchma, Ignace J.: *See*—
Olson, Carl M., and Krchma.
- Krchma, Ignace J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Distillation of titanium tetrachloride. 2,463,396, Mar. 1.
- Krchma, Ignace J., and J. E. Booge, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium dioxide manufacture. 2,462,978, Mar. 1.
- Krebs, Edward C.: *See*—
Avers, Franklin H., and Krebs.
- Krebs, Ernst T., Jr.: *See*—
Krebs, Ernst T. and E. T., Jr.
- Krebs, Ernst T. and E. T., Jr., San Francisco, Calif. Therapeutic material and obtaining the same. 2,464,240, Mar. 15.
- Krebs, George P., assignee, trustee: *See*—
Avers, Franklin H., and Krebs.
- Krebs, George W., Anacortes, Wash. Toy. 2,463,397, Mar. 1.
- Krebs, Richard W., Grass Valley, Calif. Recovery of precious metals. 2,476,420, July 19.
- Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Preventing secondary reactions in catalytic processes. 2,458,862, Jan. 11.
- Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Two-stage reduction process for producing metal catalyst. 2,481,226, Sept. 6.
- Krebs, Adolf, Riehen, near Basel, and P. Hindermann, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Chromable monoazo pyrazolone dyes. 2,464,322, Mar. 15.
- Krecek, Joseph A.: *See*—
Hearn, Richard B., and Krecek.
- Kreer, John G., Jr.: *See*—
Bollman, John H., Brooks, and Kreer.
- Kreger, Lawrence F., Chicago, Ill. Concrete block mold. 2,460,697, Feb. 1.
- Kreider, Walter J.: *See*—
Spurlino, Pascal, Gantner, and Kreider.
- Kreidl, Ekkehard L., Boston, and J. L. Utter, North Easton, assignor to A. D. Little, Inc., Cambridge, Mass. Making ceramic bodies. 2,460,356, Feb. 1.
- Kreidl, Norbert J., Rochester, N. Y., assignor to Monsanto Chemical Company. Black glass and making. 2,473,958, June 21.
- Kreidl, Norbert J., Irondequoit, and L. P. Ohliger, Brockport, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Marking glass. 2,468,402, Apr. 26.
- Kreidl, Norbert J., Irondequoit, and L. P. Ohliger, Brockport assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Marking glass. 2,486,566, Nov. 1.
- Kreidler, Carl H., La Porte, Ind. Paste applicator. 2,491,864, Dec. 20.
- Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Epstein, Ralph.
- Kreissler, Earl E., and F. C. Wikinson, Kansas City, Mo. Adjustable ladder attachments. 2,459,437, Jan. 18.
- Kreitmayr, Sylvester, Brooklyn, N. Y. Self-locking garment hanger. 2,474,429, June 28.
- Kreitner, John: *See*—
Nettel, Frederick, and Kreitner.
- Kremer, Arthur, London, England. Fastener. 2,463,185, Mar. 1.
- Kremer, Arthur, and M. Rachlis, London, England. Upholstery. 2,477,697, Aug. 2.
- Kremer, Henry, London, England. Molding material and preparing same. 2,492,488, Dec. 27.
- Kremers, Harry C., Cleveland Heights, and I. E. Johnson, Cleveland, assignors, to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of hydrofluoric acid. 2,459,438, Jan. 18.
- Kremers, Roland E., Summit, assignor to General Foods Corporation, Hoboken, N. J. Decarboxylating ortho- and para-hydroxy benzoic acids. 2,488,472, Nov. 15.
- Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Pulsator system. 2,459,326, Jan. 18.
- Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Hydraulic actuator and lock unit. 2,479,169, Aug. 16.
- Kremko, Daniel, and J. Podufaly, Detroit, Mich. Flag pole painting apparatus. 2,470,994, May 24.
- Krempel, Alvin W., Milwaukee, Wis. Convertible cushion. 2,462,269, Feb. 22.
- Krenzke, John G.: *See*—
Ahndt, Arthur H., Krenzke, and Stukart.
- Krenzke, John G., assignor to J. L. Beesley, La Porte, Ind. Baby furniture. 2,485,156, Oct. 18.
- Kreps, Saul I.: *See*—
Leum, Leonard N., Macuga, and Kreps.
- Kreps, Saul I., New York, N. Y., and F. C. Nachod, Hadonfield, N. J., assignors to The Atlantic Refining Company, Philadelphia, Pa. Production of tertiary aliphatic alcohols. 2,477,380, July 26.
- Kreps, Walter J., East Cleveland, Ohio. Diamond toolholder. 2,487,929, Nov. 15.
- Kreshock, Anthony J., Hillside, N. J. Tapping accessory for drill presses. 2,465,541, Mar. 29.

- Kresky Mfg. Co., Inc., assignee: *See*—
Miller, Clarence A.
- Kresser, Leon: *See*—
Schoenholz, Daniel, and Kresser.
- Kretsch, Hans W., Bridgeport, and D. B. Miner, Stratford, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Thermocouple sheath with exposed junction. 2,466,175, Apr. 5.
- Kreutzer, Casper, Milltown, N. J. Tool for reaping asparagus and the like. 2,473,152, June 14.
- Kreuzer, Barton, Philadelphia, Pa., assignor to Radio Corporation of America. Noise reduction sound system and method. 2,468,210, Apr. 26.
- Kriebel, Richard T., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Adjustable cap. 2,458,275, Jan. 4.
- Kriebel, Robert H., Schenectady, N. Y., assignor to General Electric Company. Preparation of organo-silicon compounds. 2,479,374, Aug. 16.
- Kriedeman, William E., Balfour, N. Dak. Front mounted grain swather. 2,487,144, Nov. 8.
- Krieg, Eldon L., South Whitley, assignor to The Maco Corporation, Huntington, Ind. Automatic throttle control system. 2,467,485, Apr. 19.
- Krieg, Kenneth L., and W. T. Johnson, Valley Center, Kans., said Johnson assignor to said Krieg. Machine for sandblast cleaning of tubular goods. 2,468,984, May 3.
- Krieg, Walter H. A.: *See*—
Fouse, Charles N., and Krieg.
- Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Reel drive for planters. 2,473,959, June 21.
- Kriegel, Bernard, Los Angeles, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing cutter apparatus. 2,482,674, Sept. 20.
- Kriegel, Hegar C.: *See*—
Fubiui, Eugene, Kriegel, and Stephenson.
- Krieger, Carl G., Mason City, Iowa. Combined fruit reamer and strainer. 2,486,423, Nov. 1.
- Krieger, Gerhard O. I.: *See*—
Selby, James, and Krieger.
- Krieger, John, assignor to The Edwal Laboratories, Inc., Chicago, Ill. Preparation of symmetrical triamino-benzene compounds. 2,461,498, Feb. 8.
- Krieger, Sidney, administrator: *See*—
Rackoff, Adolph A.
- Kriegsheim, William, Long Island City, assignor to Permo-Seal Plastics Corporation, New York, N. Y. Sealing device. 2,492,530, Dec. 27.
- Kriewall, William B.: *See*—
Leston, Theodore L., and Kriewall.
- Krilanovich, Stephen, North Hollywood, Calif. Wheel steering mechanism. 2,470,496, May 17.
- Krim-Ko Corporation, assignee: *See*—
Baker, George L.
Hess, Mattie P., and Siehrs.
- Krim, Norman B., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Spacer for electron-discharge tubes. 2,464,241, Mar. 15.
- Krings, Bernard J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking control system. 2,470,624, May 17.
- Krippendorf, Louis H., White Plains, assignor to American Catheter Corporation, Port Chester, N. Y. Catheter-type instrument. 2,472,483, June 7.
- Krippendorf, Louis H., White Plains, assignor to American Catheter Corporation, Port Chester, N. Y. Catheter-type instrument. 2,472,484, June 7.
- Krippendorf, Louis H., White Plains, assignor to American Catheter Corporation, Port Chester, N. Y. Catheter-type instrument. 2,472,485, June 7.
- Krisanda, John J., East Paterson, N. J. Structure for removable attachment of divider and caliper points to measuring jaws of measuring instruments. 2,467,263, Apr. 12.
- Krist, Ernst F., Milwaukee, Wis. Annular cutter. 2,475,668, July 12.
- Krister, Charles J.: *See*—
Eubank, Lowell D., and Krister.
- Kritchewsky, Theodore, assignor to Ninol Development Co., Chicago, Ill. Preparation of diacetyl. 2,462,107, Feb. 22.
- Kriz, Gerda, Bellevue Hill, Sydney, New South Wales, Australia, Brassiere. 2,469,654, May 10.
- Kriz, Joseph J., Jr., assignor of one-half to P. H. Bombach, Chicago, Ill. Egg breaker. 2,460,887, Feb. 8.
- Kroeckel, Alfred J., Burbank, Calif., assignor to Viber Company. Renewable resilient guard for insertable vibratory tools. 2,492,431, Dec. 27.
- Kroeger, William J., and C. W. Musser, Philadelphia, Pa. Recoilless firearm and ammunition therefor. 2,466,714, Apr. 12.
- Kroeger, William J., and C. W. Musser, Philadelphia, Pa. Recoilless firearm and ammunition therefor. 2,472,111, June 7.
- Kroeger, William J., and C. W. Musser, Philadelphia, Pa. Breech and firing mechanism for recoilless firearms. 2,483,421, Oct. 4.
- Kroeker, Edwin H.: *See*—
Neher, Harry T., Kroeker, and Croxall.
- Kroemer, John H.: *See*—
Davidson, John T., and Kroemer.
- Kroener, Delbert M., Dayton, Ohio. Rule. 2,478,198, Aug. 9.
- Kroenlein, Henry A., Los Angeles, Calif., assignor to R. P. Berry, Jackson, Mich. Combination key holder and tension member for toy cash registers. 2,458,863, Jan. 11.
- Kröger, Ferdinand A.: *See*—
Overbeek, Jan T. G., and Kröger.
- Kröger, Ferdinand A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Silicate-titanate phosphors. 2,473,960, June 21.
- Kröger, Ferdinand A., and J. Broos, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Preparing luminescent magnesium titanate. 2,491,865, Dec. 20.
- Kroger Grocery & Baking Company, The, assignee: *See*—
Edwards, James R.
Garnatz, George, Volle, and Deatherage.
- Krogseng, Helge, Bronxville, assignor to Krogseng Laboratories, Inc., New York, N. Y. Bottom margin guide for typewriting machines. 2,459,885, Jan. 25.
- Krogseng Laboratories, Inc., assignee: *See*—
Krogseng, Helge.
- Kroier, Waldemar, Jacksonville, Fla. Roofing clip. 2,483,776, Oct. 4.
- Kroier, Waldemar, Jacksonville, Fla. Tool for crimping metal. 2,487,713, Nov. 8.
- Krok, Walter P., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Selenium rectifier. 2,459,886, Jan. 25.
- Kroll, Alfred J., Forestville, and A. W. Schnick, assignors to The Cuno Engineering Corporation, Meriden, Conn. Igniter and lamp plug. 2,473,890, June 21.
- Kroll, Harry: *See*—
Necheles, Heinrich, and Kroll.
- Kroll, Nathan J.: *See*—
Kroll, Samuel and N. J.
- Kroll, Nathan J., and S., Chicago, Ill. Adjustable slide device for attaching the table of a high chair to the arms thereof. 2,478,280, Aug. 9.
- Kroll, Samuel: *See*—
Kroll, Nathan J., and S.
- Kroll, Samuel and N. J., Chicago, Ill. Machine for frictionally stretching and mounting solid resilient tires upon rims. 2,464,092, Mar. 8.
- Kroll, William J.: *See*—
Schlechten, Albert W., Kroll, and Yerkes.
- Kroll, William J., Albany, Oreg. Producing metallic sodium. 2,465,730, Mar. 29.
- Kromer, Wallace R., Cleveland Heights, assignor to Superflow Manufacturing Corporation, Cleveland, Ohio. Beverage storing and dispensing system. 2,485,610, Oct. 25.
- Krone, Howard C., River Edge, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Valved coupling for fluid conducting lines. 2,462,512, Feb. 22.
- Krone, Howard C., Ridgewood, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Automatic hold-down means for swing joint mounted arms. 2,492,049, Dec. 20.
- Kronhaus, Semen, Los Angeles, Calif. Sterilizer for toilet seats. 2,465,460, Mar. 29.
- Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Reversible induction motor. 2,465,325, Mar. 22.
- Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety device for fluid fuel burners. 2,475,430, July 5.
- Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Letoff mechanism for looms. 2,487,450, Nov. 8.
- Kronoff, Clarence R., and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric protector mechanism for looms. 2,475,505, July 5.
- Kronouer, Johan G.: *See*—
Bergmans, Jan, Kronouer, and Leeuwijn.
- Kronstein, Max, New York, N. Y. Solubilizing insoluble gelatinized oils. 2,476,879, July 19.
- Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,474,258, June 28.
- Krooss, John H., assignor to Victaulic Company of America, New York, N. Y. Coupling for brittle pipes. 2,473,102, June 14.
- Kropa, Edward L.: *See*—
Jayne, David W., Jr., Day, and Kropa.
Nyquist, Arthur S., and Kropa.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyamide-polyester condensation products and producing the same. 2,463,977, Mar. 8.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Allyl halogeno silicanes and preparing same. 2,465,731, Mar. 29.
- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Breaking emulsions. 2,468,330, Apr. 26.

- Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of tetrahydroabietyl alcohol-modified unsaturated alkyd resins and vinyl compounds. 2,485,294, Oct. 18.
- Kropa, Edward L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Emulsions of polymerizable compositions. 2,473,801, June 21.
- Kropa, Edward L., Old Greenwich, and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Isocyanates and products prepared therefrom and making the same. 2,468,713, Apr. 26.
- Kropa, Edward L., Old Greenwich, and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Copolymer of unsaturated fumarate alkyd. 2,491,409, Dec. 13.
- Kropp Forge Company, assignee: *See—*
Kropp, Roy A.
- Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Brake lever operated switch. 2,469,120, May 3.
- Kropscoff, Earle L., and A. R. Gabel, assignors to The Dow Chemical Company, Midland, Mich. Nonmetallic armor. 2,466,597, Apr. 5.
- Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient connection and making same. 2,468,985, May 3.
- Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible truck for rail vehicles. 2,472,160, June 7.
- Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rail truck suspension. 2,473,714, June 21.
- Krout, Clarence H.: *See—*
Veit, Hermann E., and Krout.
- Kruck, Ralph E., Longmeadow, Mass. Lip rouge dispenser applicator. 2,460,299, Feb. 1.
- Kruck, Ralph E., Clinton, Conn. Applicator device for rouge and the like. 2,492,050, Dec. 20.
- Krueger, Edward C., Otsego, assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Grinding or polishing machine. 2,463,287, Mar. 1.
- Krueger, Edward C., Otsego, assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Tool grinder. 2,467,674, Apr. 19.
- Krueger, Frank W., Atherton, Calif., assignor to Food Machinery and Chemical Corporation. Apparatus for capping containers. 2,472,664, June 7.
- Krueger, Frank W., Atherton, Calif., assignor to Food Machinery and Chemical Corporation. Feed and discharge mechanism for container handling machines. 2,484,101, Oct. 11.
- Krueger, Frank W., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Container and closure. 2,463,701, Mar. 8.
- Krueger, Frank W., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Container and closure. 2,484,039, Oct. 11.
- Krueger, Frank W., Saratoga, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. High-speed vacuum sealing cap. 2,467,979, Apr. 19.
- Krueger, Fred G., Norwood, Ohio. Clamp or anchorage. 2,466,901, Apr. 12.
- Krueger, Roland F. W., Cleveland, Ohio, assignor to Bamberger-Reinthal Company. Knitting process. 2,485,746, Oct. 25.
- Krueger, Roland F. W., Cleveland, Ohio, assignor to Bamberger-Reinthal Company. Knitted fabric and making the same. 2,485,747, Oct. 25.
- Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Strip serving machine. 2,466,715, Apr. 12.
- Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Tape serving machine. 2,485,002, Oct. 18.
- Kruger, Frederick W.: *See—*
Mills, William L., and Kruger.
- Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Hanger. 2,459,034, Jan. 11.
- Kruger, Seraphim, Northampton, assignor to The Express Lift Company Limited, London, England. Door-operating mechanism for lift doors and the like. 2,481,124, Sept. 6.
- Krukonis, Alexander C., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin retainer for weft replenishing mechanisms. 2,474,632, June 28.
- Krukonis, Alexander C., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector for looms. 2,479,845, Aug. 23.
- Krumhhaar, William, New York, N. Y. Rosin maleic glycerine esters. 2,470,855, May 24.
- Krumhhaar, William, New York, N. Y. Depolymerized copal-like resinous esters. 2,471,629, May 31.
- Krumhhaar, William, New York, N. Y. Rosin modified phenol formaldehyde resins of enlarged molecular size. 2,478,490, Aug. 9.
- Krumhansl, James A.: *See—*
Miller, Glenn H., and Krumhansl.
- Krumhansl, James A., Rochester, N. Y., and H. Goldberg, Baltimore, Md., assignors to Stromberg-Carlson Company. Communication system. 2,467,486, Apr. 19.
- Krupp, Ernest J., East Detroit, Mich. Flexible jaw chuck. 2,483,208, Sept. 27.
- Kruppa, William J.: *See—*
Wolf, Clayton S., and Kruppa.
- Kruse, Peter, Brooklyn, N. Y., assignor to Lima-Hamilton Corporation, Hamilton, Ohio. Can-body maker. 2,458,008, Jan. 4.
- Kruse, Theodore A.: *See—*
Burdick, William H., Connor, and Kruse.
- Kruse, William P., San Francisco, and J. W. Steel, Alameda, Calif. Conversion unit for coining presses. 2,470,102, May 17.
- Kryl, Godfried, Inwood, N. Y. Vacuum-actuated abrading device. 2,472,161, June 7.
- Krzikalla, Hans: *See—*
Neubert, Willi, Krzikalla and Armbruster.
- Kubach, Robert B., Lincoln Park, Mich. Collapsible permanent shipping container. 2,486,532, Nov. 1.
- Kubaugh, Le Roy M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient mounting. 2,459,741, Jan. 18.
- Kubec, Erwin E., Flushing, N. Y. Bent glass or plastic picture frame. 2,490,638, Dec. 6.
- Kubicek, Naci F., assignor to Shell Development Company, San Francisco, Calif. Production of hydrogen. 2,465,235, Mar. 22.
- Kubo, Gerald G., New York, N. Y. Retractable wheeled support for luggage. 2,484,951, Oct. 18.
- Kucera, Barney J., Cleveland, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Observation apparatus without wire changeovers. 2,485,748, Oct. 25.
- Kucklinsky, Walter H., Paramus, N. J. Box folding machine and method. 2,462,513, Feb. 22.
- Kuder, Milton L.: *See—*
Smith, Carl H., Jr., and Kuder.
- Kuebler, Carl J. J., Evansville, Ind. Adjustable comfort chair. 2,486,716, Nov. 1.
- Kuehl, Frederick A., Jr., Westfield, E. H. Flynn, Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. N-methyl-l-glucosamine and acid salts thereof. 2,463,885, Mar. 8.
- Kuehl, Robert: *See—*
Broeren, Frank L., Wauda, and Kuehl.
- Kuehlhorn, Bert O., Chicago, Ill. Hot food carton. 2,486,178, Oct. 25.
- Kuehn, Alfred, Wauwatosa, Wis. Lawn mower propulsion. 2,464,980, Mar. 22.
- Kuehn, Jack W., Minneapolis, Minn., and M. J. Rosefield, Alameda, Calif. Apparatus for progressively melting and dispensing solidified materials. 2,472,594, June 7.
- Kuehn, John J., Chicago, assignor, by mesne assignments, to Illinois Watch Case Co., Elgin, Ill. Intermittent film feeding device. 2,475,622, July 12.
- Kuehn, John J., Chicago, assignor, by mesne assignments, to Illinois Watch Case Co., Elgin, Ill. Removable film gate assembly for picture projection apparatus. 2,477,624, Aug. 2.
- Kuehn, William J., Bridgehampton, assignor of one-half to J. G. G. Merrow, New York, N. Y. Take-up roller. 2,486,179, Oct. 25.
- Kuempel, Leon L., Cincinnati, Ohio. Refrigerating apparatus for vehicles. 2,479,170, Aug. 16.
- Kuenne, Kuno R., Oconomowoc, assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electric range. 2,481,227, Sept. 6.
- Kuenne, Kuno R., Oconomowoc, assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electric heating unit for tanks. 2,484,893, Oct. 18.
- Kuenne, Kuno R., Oconomowoc, assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electric heating unit assemblage. 2,490,139, Dec. 6.
- Kuennig, Robert W.: *See—*
Herskind, Carl C., and Kuennig.
- Kuenstler, Walter E., Cliffside Park, N. J. Frequency control device. 2,464,045, Mar. 8.
- Kuenstler, Walter E., Cliffside Park, N. J. Crystal holder. 2,464,046, Mar. 8.
- Kuentzel, Lester E., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkali-organic solvent paint remover. 2,479,628, Aug. 23.
- Kuentzel, Lester E., Wyandotte, Mich., and R. H. McKee, New York, N. Y., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkali-organic solvent paint remover. 2,479,629, Aug. 23.
- Kuenzie, Fred C., Muskegon Heights, assignor to The Shaw-Walker Co., Muskegon, Mich. Counter construction. 2,489,493, Nov. 29.
- Kuert, Fritz, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Cut ring expander. 2,489,905, Nov. 29.
- Kuert, Ira J., San Gabriel, Calif. Frame shifting apparatus. 2,477,064, July 26.
- Kuert, Ira J., San Gabriel, and B. M. Craig, Pasadena, Calif.; said Craig assignor to said Kuert. Combined brake and reversing transmission clutch control and operating mechanism. 2,477,065, July 26.
- Kuert, Ira J., San Gabriel, and B. M. Craig, Pasadena, Calif.; said Craig assignor to said Kuert. Hopper construction. 2,477,066, July 26.
- Kuever, Paul H., Jr., Alhambra, Calif. Lamp failure indicator. 2,489,649, Nov. 29.

- Kuff, Fred E., deceased, Baltimore, Md.; W. Foreman and H. L. Morvitz, executors, assignors to The Southern Galvanizing Company, Baltimore, Md. Clothesline prop. 2,461,607, Feb. 15.
- Kuffer, Roland I., Detroit, Mich., assignor to The General Tire and Rubber Company, Akron, Ohio. Mechanism for compacting tire carcasses on tire building machines. 2,490,445, Dec. 6.
- Kuh, Erwin, New Brunswick, and H. S. Barnaby, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 2,4,5-triamino-6-hydroxypyrimidine. 2,473,802, June 21.
- Kuh, Erwin, New Brunswick, and J. M. Smith, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Purifying glutamic acid amides of peroxyglutamic acid. 2,474,184, June 21.
- Kuh, Erwin, New Brunswick, and W. B. Neier, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Purification of 2-aminothiazole. 2,489,038, Nov. 22.
- Kuhl, Frederick A.: See—
Boucher, Charles P., and Kuhl.
- Kuhl, William R., assignee: See—
Kunisch, Alfred J.
- Kuhlik, Hattie B., assignee: See—
Kuhlik, Jacob M.
- Kuhlik, Jacob M., Brooklyn, assignor to H. B. Kuhlik, Brooklyn, N. Y. Movable supporting base for sound record tape. 2,487,976, Nov. 15.
- Kuhlman, Florence, New York, N. Y. Washable handbag with removable handles and stiffener. 2,487,145, Nov. 8.
- Kuhlman, William D.: See—
Swinehart, Richard W., Savage, and Kuhlman.
- Kuhn, Carl S., Jr.: See—
Dart, Jack C., Kuhn, Jr., Penick, and Wagner.
- Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic switch. 2,474,742, June 28.
- Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Refrigerator control thermostat. 2,480,937, Sept. 6.
- Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Humidity control system. 2,485,894, Oct. 25.
- Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Differential adjustment for condition responsive devices. 2,489,422, Nov. 29.
- Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Refrigerator control and alarm system. 2,489,906, Nov. 29.
- Kuhn, Edmund W., Cortland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. No-load tap changer. 2,470,625, May 17.
- Kuhn, George, Silver Spring, Md., assignor to General Motors Corporation, Dayton, Ohio. Clothes-washing and cleaning machine. 2,471,876, May 31.
- Kuhn, George A., Chicago, Ill. Skirt hanger. 2,485,388, Oct. 18.
- Kuhn, George F., Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y. Flare ignition apparatus. 2,460,016, Jan. 25.
- Kühn, Hedwig M., Buenos Aires, Argentina. Safety plug socket. 2,487,560, Nov. 8.
- Kuhn, Joseph M., Haddonfield, and W. A. Bodenschatz, Sr., Brooklawn, N. J., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Pad dyeing baths and pad dyeing textile materials. 2,488,544, Nov. 22.
- Kuhn, Lester P.: See—
Fenimore, Charles P., Kuhn, and Frazer.
- Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Multiple tube air heating furnace. 2,479,940, Aug. 23.
- Kulastic Company, Inc., assignee: See—
Kulman, Herman M.
- Kulcheski, Ralph, Fort Frances, Ontario, Canada. Door lock. 2,467,622, Apr. 19.
- Kulick, Alex., assignee: See—
Hatcher, Merrel E.
- Kulka, Eugene R., Mount Vernon, N. Y. Holder for gaseous discharge lamps. 2,464,643, Mar. 15.
- Kullack, Werner, Roslyn Estates, N. Y. Chair with vertically adjustable seat. 2,465,104, Mar. 22.
- Kulman, Herman M., assignor to Kulastic Company, Inc., Atlanta, Ga. Composition comprising a copolymer of vinyl chloride-vinyl acetate and ground peanut hulls and making same. 2,473,030, June 14.
- Kummer, Bernard J.: See—
Hawley, Thomas G., Jr., Kummer, and Barnes.
- Kummer, Charles J., Cascade, Wis. Air-cooled buffing wheel. 2,479,941, Aug. 23.
- Kump, Ernest J., Atherton, Calif. Building method and construction. 2,480,330, Aug. 30.
- Kump, Ernest J., Jr., Atherton, Calif. Prefabricated building structure. 2,482,918, Sept. 27.
- Kuney, Clarence F., H. J. Wurst, and R. J. Serzow, assignors to Crittall-Federal, Inc., Waukesha, Wis. Mullion. 2,472,162, June 7.
- Kuniansky, Max, Lynchburg, Va. Cast-iron pipe. 2,490,818, Dec. 13.
- Kunisch, Alfred J., Des Plaines, assignor of one-half to W. R. Kuhl, Norwood Park, Ill. Base and making the same. 2,466,176, Apr. 5.
- Kunkel, Gustave D., Bridgeport, Conn. Safety clothespin. 2,482,625, Sept. 20.
- Kuns, Raymond L., assignee: See—
Faudree, John D.
- Kuntny, Gregor W.: See—
Caldwell, John A., Wannamaker, Jr., and Kuntny.
- Kunz, Bernard P., Denver, Colo. Method and machine for making corrugated structures. 2,475,789, July 12.
- Kunz, Charles J.: See—
Tuttle, Clifton M., and Kunz.
- Kunz, Charles J., assignor to Eastman Kodak Company, Rochester, N. Y. Removal of excess liquid from wet film. 2,472,596, June 7.
- Kunz, Jacob T., North Hills, assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa. Striker mechanism for musical instruments. 2,463,543, Mar. 8.
- Kunz, Jacob T., North Hills, assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa. Musical instrument. 2,472,595, June 7.
- Kunz, John G., Jr., Battle Ground, Wash. Rheostat with switch. 2,469,924, May 10.
- Kunz, Miles C., Union, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 2,459,081, Jan. 11.
- Kunz, Walter B., Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Cellulose ethers and producing the same. 2,488,631, Nov. 22.
- Kunzelman, John R., Stillwater, Minn. Weedless fish bait. 2,463,978, Mar. 8.
- Künzle, August, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Process and apparatus for producing curly effects in yarn. 2,463,610, Mar. 8.
- Kunzler, William S.: See—
Weber, Victor, and Kunzler.
- Kuoksa, Wesley A., Grand Rapids, Minn. Marker for athletic fields. 2,468,211, Apr. 26.
- Kuper, James B. H.: See—
Cole, Peter A., and Kuper.
- Kupiec, Harry P., Paramus, assignor to Air Associates, Incorporated, Teterboro, N. J. Servomotor and pressure responsive valve therefor. 2,467,434, Apr. 19.
- Kupjack, Eugene J., United States Navy. Hand manipulable motorized saw for cutting plaster casts. 2,492,156, Dec. 27.
- Kupka, John J., Bayside, assignor of one-fourth to M. Shlivek, New York, N. Y. Counterpressure brake system. 2,475,790, July 12.
- Kuppin, Herbert, Piqua, Ohio. Hobbyhorse. 2,462,648, Feb. 22.
- Kurek, Francis L.: See—
Evans, Raymond J., and Kurek.
- Kureth, Clark A.: See—
Hargrett, Wilson W., Trail, Kureth, and Van Fleet.
- Kurlash Company, Inc., The, assignee: See—
Tuttle, William R., and Beldue.
- Kurmer, John, Philadelphia, Pa. Proportional divider. 2,487,451, Nov. 8.
- Kurth, Franz J.: See—
Honerkamp, Friedrich, and Kurth.
- Kurth, William G., Chico, Calif. Orchard heater. 2,478,281, Aug. 9.
- Kurti, Alexander, Woodbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Breech bolt with gauge members. 2,474,743, June 28.
- Kurtz, Edward F., assignor to Metals and Controls Corporation, Attleboro, Mass. Thermostatic control. 2,461,903, Feb. 15.
- Kurtz, Jacob, Teaneck, assignor to Callite Tungsten Corporation, Union City, N. J. Making porous metallic bodies. 2,464,517, Mar. 15.
- Kurtz, Jacob, Teaneck, N. J. Tungsten nickel alloy of high density. 2,466,992, Apr. 12.
- Kurtz, Jacob, Teaneck, assignor to Callite Tungsten Corporation, Union City, N. J. Pressed and sintered oxidation resistant nickel alloys. 2,471,630, May 31.
- Kurtz, Jacob, Teaneck, and H. G. Williams, Ramsey, assignor to Callite Tungsten Corporation, Union City, N. J. Alloy of high density. 2,467,675, Apr. 19.
- Kurtz, Jacob, Teaneck, and H. G. Williams, Ramsey, assignors to Callite Tungsten Corporation, Union City, N. J. Alloy of high density. 2,491,866, Dec. 20.
- Kurtz, Merrill P., Akron, Ohio. Ventilated awning. 2,486,660, Nov. 1.
- Kurtz, Peter, Leverkusen-Wiesdorf, Germany; vested in the Attorney General of the United States. Catalytic preparation of acrylic acid nitrile. 2,486,659, Nov. 1.
- Kurz, Gustave A., Columbus, Ohio. Glove. 2,488,416, Nov. 15.
- Kurz-Kasch, Inc., assignee: See—
Bauman, Joseph J.
- Kurz, William, assignor to Precision Scientific Co., Chicago, Ill. Liquid circulating apparatus. 2,460,757, Feb. 1.
- Kusan Incorporated, assignee: See—
McLain, William R.
- Kusch, Polykarp, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,470,856, May 24.

- Kusch, Polykarp, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Cathode structure for magnetrons. 2,463,398, Mar. 1.
- Kushmaul, Eleanor, assignee: *See*—West, Harry D.
- Kushner, Samuel, Nanuet, and L. Brancone, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Piperazine carboxamides and preparing same. 2,467,893, Apr. 19.
- Kushner, Samuel, Nanuet, and L. Brancone, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparing monoalkyl and dialkyl carbamyl piperazines. 2,467,894, Apr. 19.
- Kushner, Samuel, Montvale, N. J., and L. Brancone, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Piperazine derivatives and preparing the same. 2,467,895, Apr. 19.
- Kusse, Frederick C., and H. G. Kusse, Chicago, Ill. Variable thrust rotor drive for rotary wing sustained aircraft. 2,490,361, Dec. 6.
- Kusse, Henry G.: *See*—Kusse, Frederick C. and H. G.
- Kutzler, Robert J.: *See*—Sparrow, Hubert T., and Kutzler.
- Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,491,380, Dec. 13.
- Kutzler, Robert J., and T. J. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,471,821, May 31.
- Kutzner, Roy H., St. Louis, Mo. Rotary internal-combustion engine. 2,468,451, Apr. 26.
- Kuzmick, Joseph N., Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Manufacture of diamond abrasive articles. 2,470,440, May 17.
- Kuzmick, Joseph N., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Device for bonding brake linings to brake shoes. 2,478,405, Aug. 9.
- Kvalnes, Donovan E.: *See*—Klein, David X., and Kvalnes.
- Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Liquid urea-formaldehyde compositions. Re. 23,174, Nov. 29.
- Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Liquid urea-formaldehyde compositions. 2,467,212, Apr. 12.
- Kvalnes, Hamline M., and F. S. Chance, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Urea-formaldehyde compositions. 2,485,203, Oct. 18.
- Květouš, Alois, Brunn, Czechoslovakia. Hair drier. 2,461,689, Feb. 15.
- Kwartler, Charles E., Albany, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Sulfanilamidoindazoles and production. 2,478,048, Aug. 2.
- Kwash, John L., Bitley, Mich. Modern chick feed container. 2,464,644, Mar. 15.
- Kwikform Limited, assignee: *See*—Hawes, Albert H.
- Kwik-Mix Company, assignee: *See*—Jones, Daniel C.
- Kwikset Locks, Inc., assignee: *See*—Schoepe, Adolf, and Lord.
- Kydd, James, Ozone Park, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Ladder construction. 2,469,071, May 3.
- Kyker, Reed R., Ringling, Okla. Rake structure. 2,478,282, Aug. 9.
- Kyle, Anthony, and J. A. Johnson, Los Angeles, Calif. Toolholder. 2,472,255, June 7.
- Kyle, James C.: *See*—Erickson, Albert L., and Kyle.
- Kyle, Samuel C., Berkeley, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic pumping jack with control responsive to abnormal conditions. 2,470,252, May 17.
- Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to Line Material Company. Automatic reclosing circuit breaker. 2,459,327, Jan. 18.
- Kyle, William D., Jr., Milwaukee, and A. Van Ryan, South Milwaukee, Wis., assignors to Line Material Company. Circuit breaker. 2,462,753, Feb. 22.
- Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to Line Material Company. Automatic reclosing circuit breaker. 2,468,498, Apr. 26.
- Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, Wis., assignor to Line Material Company. Automatic reclosing circuit breaker. 2,477,067, July 26.
- L. F. C. Corporation, assignee: *See*—Crumrine, Chester W.
- L. G. S. Spring Clutch Corporation, assignee: *See*—Gorske, Stanley F., and Pepper.
- Pepper, Carl P.
- L. K. B-Produkter Fabriks A.-B., assignee: *See*—Alfven, Hannes, and Eklund.
- L. I. H. Company, assignee: *See*—Rouy, Auguste L. M. A.
- L. & M. Rubber Products, Inc., assignee: *See*—MacGregor, Laurence B.
- Laakso, Thomas T. M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. α -Carbamoxycrylic esters and resins prepared therefrom. 2,490,757, Dec. 6.
- La Soudure, Electrique Autogene S. A., assignee: *See*—Colinet, Rene D.
- La Soudure Electrique Autogene, Societe Anonyme, assignee: *See*—Danhier, Francois G.
- Schmerber, Raoul J.
- La Barre, Dwight, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Cabinet with drawer and work board combination. 2,471,529, May 31.
- La Bat, Edward F., San Pablo, Calif. Potato slicer. 2,470,934, May 24.
- Labin, Edouard, and A. Levialdi, Buenos Aires, Argentina, and M. Zeigler, Toronto, Ontario, Canada, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable electronic capacitance device. 2,463,632, Mar. 8.
- Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Transmitter-receiver system. 2,471,436, May 31.
- Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiplex television and pulse modulated sound system. 2,477,625, Aug. 2.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Multichannel electrical pulse communication system. 2,462,874, Mar. 1.
- Labin, Emile, and D. D. Craig, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray tube pulse separation and demodulation system. 2,465,380, Mar. 29.
- Labin, Emile, New York, D. D. Grieg, and A. M. Levine, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio locating and communicating system. 2,468,083, Apr. 26.
- Labin, Emile, New York, D. D. Grieg, and A. M. Levine, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio communicating system. 2,468,084, Apr. 26.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telecommunications Laboratories, Inc., New York, N. Y. Two-way pulse multichannel system employing cathode-ray tube modulators. 2,468,085, Apr. 26.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Broadcasting system. 2,485,611, Oct. 25.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon system. 2,485,612, Oct. 25.
- Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Electronic pulse filtering system. 2,489,297, Nov. 29.
- Labine, Roland A., assignor to Indian Motorcycle Company, Springfield, Mass. Spring suspension means for saddles. 2,467,676, Apr. 19.
- La Bonte, George T., Miami, Fla. Grass edging device. 2,478,587, Aug. 9.
- Laboratories Medial S. A., assignee: *See*—Cohen, Heinrich.
- Labounsky, Nicholas N., now by judicial change of name N. N. Nixon, assignor to Keystone Driller Company, Beaver Falls, Pa. Shock absorber for cable tool drilling machines. 2,482,114, Sept. 20.
- Labourasse, Raymond L. J.: *See*—Tessier, Raymond P. V., and Labourasse.
- La Brie, Laurents J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sealed container for electrode assemblies. 2,486,482, Nov. 1.
- La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Cup washer. 2,459,562, Jan. 18.
- La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder. 2,473,803, June 21.
- La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder packing. 2,477,882, Aug. 2.
- La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Variable speed transmission for airplane superchargers. 2,483,977, Oct. 4.
- La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Rotary fluid coupling and baffle means therefor. 2,487,250, Nov. 8.
- Labrum, Ervin D., Seattle, Wash. System for timing exposure interval of photographic prints. 2,484,299, Oct. 11.
- Labser, Adam E., Hamden, N. Y. Collision mat for vehicles. 2,477,933, Aug. 2.
- Labus, Otto A., assignor to The Trane Company, La Crosse, Wis. Air register. 2,472,748, June 7.
- Lacene Manufacturing Corporation, assignee: *See*—Carnes, Herbert W., and Thomas.
- Lacey, Charles W. G., and G. L. Binns, assignors to Optical Measuring Tools Limited, Slough, England. Boring head for machine tools. 2,460,092, Jan. 25.
- Lacey, Fred E., assignee: *See*—Lasto, Stephen W.

- Lacey, Robert M., West Orange, N. J., assignor to The Merritt Lacey Corporation, New York, N. Y. Image copying projection machine. 2,474,055, June 21.
- Lacey, Robert T., Spokane, Wash. Seal conveyed letter opener. 2,482,080, Sept. 13.
- Lachamp, Felix L., Franconville, France, assignor to Union Francaise Commerciale et Industrielle. Novel process for soap purifying. 2,485,204, Oct. 18.
- Lachamp, Felix L., Franconville, France, assignor to Union Francaise Commerciale et Industrielle. Continuous production of soap. 2,485,205, Oct. 18.
- Lachance, Jean P., Montreal, Quebec, Canada. Game board and playing pieces for a game. 2,479,747, Aug. 23.
- La Civita, Frank J., East Walpole, Mass. Shoe sole protector. 2,466,598, Apr. 5.
- Lackoff, Samuel K., Astoria, N. Y., assignor to Telomatic Products, Inc., Passaic, N. J. Centralized music transmission system. 2,474,110, June 21.
- La Clair, Wilfred L., Rochester, N. Y. Saw filing device. 2,485,389, Oct. 18.
- Lacon, Gilbert W., assignor of one-third to Wilmot-Breeden Limited, Birmingham, and one-third to H. Newsum Sons & Company, Limited, Lincoln, England. Fastening for cupboard, cabinet, or other like doors. 2,486,036, Oct. 25.
- La Crosse Trailer Corporation, assignee: *See*—Duffy, Edward F.
- Lactona Incorporated, assignee: *See*—Millard, Glen E.
- Lacure, Earl P., Battle Creek, Mich., assignor by mesne assignments, to Goss Printing Press Company, Chicago, Ill. Plate locking clip assembly. 2,480,373, Aug. 30.
- Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Analysis and display for complex waves. 2,476,445, July 19.
- Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave producing circuit. 2,488,297, Nov. 15.
- Ladd, Bernard G., Manhasset, N. Y. Musical wind instrument. 2,485,749, Oct. 25.
- Ladd, Elbert C.: *See*—Kharasch, Morris S., and Ladd.
- Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Fungicides and insecticide. 2,475,288, July 5.
- Ladd, Elbert C., Passaic, and H. Sargent, Wood-Ridge, N. J., assignors to United States Rubber Company, New York, N. Y. Lactonization of 2,4-polyhalogenoalkanoic esters. 2,485,100, Oct. 18.
- Ladd, Reuel O., Elmira, N. Y. Axle trailer connector. 2,486,605, Nov. 1.
- Ladd, William A., Brooklyn, assignor to Columbian Carbon Company, New York, N. Y. Microtome with rotating cutter and specimen feed mechanism supported therewith. 2,482,853, Sept. 27.
- Lade, Frederick L., and C. J. Simmons, Vancouver, British Columbia, Canada. Boiler flue cleaner. 2,465,236, Mar. 22.
- Lader, Leon J., Washington, D. C. Mixer tracking capacitor. 2,488,545, Nov. 22.
- Ladish Co., assignee: *See*—Hille, Guenther H.
- Ladner, Bruce, New Orleans, La. Liquid level signal device for tanks. 2,472,665, June 7.
- Lado, Anthony L., Rome, N. Y., assignor to The Union Fork & Hoe Company, Columbus, Ohio. Mechanism for road graders. 2,488,016, Nov. 15.
- La Dow, Charles, Delano, Calif. Farm waste disintegrating machine. 2,491,739, Dec. 20.
- Laesser, Emil, assignor to Maag-Zahnradler und Maschinen Aktiengesellschaft, Zurich, Switzerland. Flexible clamping sleeve. 2,460,510, Feb. 1.
- Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Velocity modulation electron discharge device. 2,489,298, Nov. 29.
- Laffon y Soto, Alberto: *See*—De Selgas y Marin, Ezequiel, and Laffon y Soto.
- Lafield, Reggie L., San Antonio, Tex. Child's shampoo support. 2,461,744, Feb. 15.
- La Follette, John W., Denver, Colo. Apparatus for resoling rubber boots and the like. 2,460,832, Feb. 8.
- La Follette, Robert H., Albuquerque, N. Mex. Hobbyhorse. 2,464,694, Mar. 15.
- Laford, Herbert M., Allwood, assignor to Electro-Protective Corporation, Newark, N. J. Electrical protective alarm system. 2,492,432, Dec. 27.
- La Forge, Louis H., Jr.: *See*—Ellis, William C., La Forge, Jr., and White.
- La France, Donald S.: *See*—Hearne, George W., La France, and Evans.
- Lagarde, John B., Anniston, Ala. Mold charging device for concrete block molding presses. 2,492,297, Dec. 27.
- Lager, Fred, New York, N. Y. Electric contact. 2,480,142, Aug. 30.
- Lager, Roger K., Lakewood, assignor to The Continental Pharmaceutical Company, Cleveland, Ohio. Blood filter. 2,473,153, June 14.
- Lagerblade, Herbert C., and D. J. Root, assignors to The Horton Manufacturing Company, Bristol, Conn. Golf club. 2,462,754, Feb. 22.
- Lagergren, Earl E., King County, Wash. Ski towrope gripper. 2,458,786, Jan. 11.
- Lagrally Engineering Co. Inc., assignee: *See*—Le Beau, Roland A.
- Lag Reid, Magnus, and J. H. McGuire, Minneapolis, Minn. Packing retainer for journal boxes. 2,461,287, Feb. 8.
- Laher Spring & Tire Corp., assignee: *See*—Nordquist, Harry E.
- Laico, Joseph P.: *See*—Jonas, Herbert C., Laico, and Ronci.
- Laidig, Alfred H.: *See*—Okress, Ernest C., and Laidig.
- Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,482,495, Sept. 20.
- Laifer, Fred, assignee: *See*—Givens, Melvin.
- Laiho, Jalmer M., Skokie, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Division mechanism for key-responsive calculating machines. 2,492,703, Dec. 27.
- Laing, Gordon F.: *See*—Gilman, George W., Laing, and Gibbs.
- Laing, Marvin R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve control apparatus. 2,461,608, Feb. 15.
- L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes Georges Claude, assignee: *See*—Bonnaud, Henri.
- Laird, Elmer R., assignor to Armour and Company, Chicago, Ill. Can washing machine. 2,461,162, Feb. 8.
- Laird, John A.: *See*—Hendry, Norman, and Laird.
- Laird, Joseph P., Philadelphia, Pa. Spindle unit. 2,486,296, Oct. 25.
- Laird, Joseph P., Jr., United States Navy. Optical projector and system. 2,482,115, Sept. 20.
- Laird, Robert L., Corte Madera, Calif. Newspaper rack. 2,491,615, Dec. 20.
- Lakatos, Emory, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery computer. 2,489,907, Nov. 29.
- Lakatos, Louis L., Bala-Cynwyd, Pa., assignor to Radio Corporation of America. Unsymmetrical rectangular wave generator. 2,486,789, Nov. 1.
- Lake, Burton G., Chula Vista, Calif. Light signaling means. 2,484,837, Oct. 18.
- Lake Chemical Company, assignee: *See*—Klein, Lawrence C.
- Rowe, Percy J.
- Lake, Clair D., Binghamton, and D. R. Piatt, M. Fiehl and W. Pfaff, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Accumulator of the step by step operated type. 2,480,744, Aug. 30.
- Lake, Clair D., and B. M. Durfee, Binghamton, N. Y., and A. H. Dickinson, Greenwich, Conn., assignors to International Business Machines Corporation, New York, N. Y. Record controlled calculating machine. 2,490,362, Dec. 6.
- Lake, E. T., assignee: *See*—Foster, Ralph R.
- Lake, Francis G., New York, N. Y., and J. W. Trimmer, Belmar, assignors to The M. W. Kellogg Company, Jersey City, N. J. Picker stick snubber. 2,464,518, Mar. 15.
- Lake, Francis G., New York, N. Y., and J. W. Trimmer, Belmar, N. J., assignors to The M. W. Kellogg Company, New York, N. Y. Friction letoff. 2,478,283, Aug. 9.
- Lake, Francis G., New York, N. Y., and E. A. Mastriani, Newark, assignors to The M. W. Kellogg Company, Jersey City, N. J. Pick shaft snubber. 2,478,284, Aug. 9.
- Lake, Francis G., New York, and J. M. Colonas, Brooklyn, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Lay connector. 2,488,730, Nov. 22.
- Lake, Fred, assignee: *See*—Brown, William P.
- Lake, George R.: *See*—Stribley, Josephine M., and Lake.
- Lake, George R., and J. M. Stribley, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic distillation of wide-boiling-range hydrocarbon fractions. 2,462,025, Feb. 15.
- Lake, George R., and J. M. Stribley, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic distillation of hydrocarbon mixtures. 2,477,303, July 26.
- Lake, Golladay, Grenada, Miss. Fishing pole holder. 2,491,008, Dec. 13.
- Lake, William F., Los Angeles, Calif. Well reaming tool. 2,472,749, June 7.
- Lake, William G., Toronto, Ontario, Canada, assignor to J. K. Smit & Sons, Inc., New York, N. Y. Producing ceramic molds for diamond tools. 2,476,421, July 19.
- Lake Erie Chemical Company, assignee: *See*—Manville, Charles J.
- Lakeland Laundries Holdings Limited, assignee: *See*—Adshead, Charles W.
- Lakeman, Alfred H., assignee: *See*—Lawson, Wilfred G., and Jenkins.
- Lakeside Engineering Corporation, assignee: *See*—Montgomery, John A., and Livingston.

- Lakey, Harry, Surbiton, assignor to The McMurdo Instrument Company Limited, Kingston-on-Thames, England. Pyrophoric lighter. 2,475,453, July 5.
- Lalande, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Frequency generating system. 2,459,822, Jan. 25.
- La Lande, William A., Jr., Upper Darby, assignor to Attapulugus Clay Company, Philadelphia, Pa. Production of invert sugar. 2,461,163, Feb. 8.
- La Lande, William A., Jr., Upper Darby, assignor to Attapulugus Clay Company, Philadelphia, Pa. Decolorization of oil with magnesium silicate. 2,475,328, July 5.
- La Lande, William A., Jr., Upper Darby, assignor to Attapulugus Clay Company, Philadelphia, Pa. Apparatus for extrusion of plastic materials. 2,488,129, Nov. 15.
- Lalanne, Edmond, and P. Grandjean, Marseille, France. Needle for making knitted fabrics and reknitting them. 2,482,919, Sept. 27.
- Lalewicz, Stanislaw, London, England. Gas-filled electric discharge device. 2,479,846, Aug. 23.
- Laliberte, Albert J., Naugatuck, assignor to Safety-Fuel Incorporated, West Cheshire, Conn. Stove for burning solidified normally liquid hydrocarbon fuel. 2,464,817, Mar. 22.
- Lally, William J.: *See—*
Gordon, Chester S., Lally, and Zieschang.
- La Maida, Thomas, Cuyahoga County, Ohio, assignor to the United States of America as represented by the Secretary of the Army. Safety jacket. 2,477,989, Aug. 2.
- La Mar, Joseph C.: *See—*
Turner, Harvey H., and La Mar.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric measuring apparatus having a photocell on a permanent magnet. 2,465,970, Mar. 29.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Darkness alarm. 2,490,639, Dec. 6.
- Lamb & Chapin, Incorporated, assignee: *See—*
Lamb, Clyde K.
- Lamb, Clyde K., assignor, by mesne assignments, to Lamb & Chapin, Incorporated, Cleveland, Ohio. Obstruction lighting structure. 2,484,350, Oct. 11.
- Lamb, Harry, Madison, Wis., assignor to C. M. Ambrose Company, Seattle, Wash. Valved nozzle. 2,492,873, Dec. 27.
- Lamb, Lewis E., North Little Rock, Ark. Safety device for windows. 2,479,123, Aug. 16.
- Lamb, Lucy A., Cleveland Heights, Ohio. Hose coupling. 2,460,833, Feb. 8.
- Lamb, Pearl W., Vesper, Wis. Poultry feeder. 2,482,675, Sept. 20.
- Lamb, Reginald T., assignor to Eastman Kodak Company, Rochester, N. Y. Direct-reading gamma-measuring device using overlapping neutral density wedges. 2,478,406, Aug. 9.
- Lamb, Wade: *See—*
Herreshoff, Alexander G., and Lamb.
- Lamb, Wilmer F., Bremerton, Wash. Electrical type-heating unit. 2,476,670, July 19.
- Lambach, Fritz, Tenafly, N. J. Warp knitting machine. 2,461,550, Feb. 15.
- Lambach, Fritz, Tenafly, N. J. Beaming or warping machine. 2,491,740, Dec. 20.
- Lambert, A. Ray, assignee: *See—*
Brump, Herbert L.
- Lambert, Albert H., Dayton, and I. R. Barr, Yellow Springs, Ohio. Apparatus for applying tipping to propeller blades. 2,477,626, Aug. 2.
- Lambert, Albert L., Narberth, and E. C. Franco-Ferreira, Jenkintown, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Dispensing means. 2,474,744, June 28.
- Lambert Brake Corporation, assignee: *See—*
Lambert, Homer T.
- Lambert, Ernest E., Springfield, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Twisted paper thread and method of and apparatus for twisting the same. 2,486,037, Oct. 25.
- Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Adjustable hinge structure. 2,482,983, Sept. 27.
- Lambert, George, Alexandria, La. Fish lure. 2,487,344, Nov. 5.
- Lambert, Gregorius J., and A. A. Padmos, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Electron-emitting electrode for electric discharge tubes. 2,488,781, Nov. 22.
- Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Friction assembly unit for brakes or the like. 2,467,980, Apr. 19.
- Lambert, John H.: *See—*
Crow, Edgar W., and Lambert.
- Lambert, Lawrence B., and R. W. Orange, Auckland, New Zealand. Support means for vertically slidable windows, doors, and the like. 2,465,651, Mar. 29.
- Lambert, Milton, Forest Hills, N. Y. Combined chair and table. 2,466,956, Apr. 12.
- Lambert, Parley F.: *See—*
Barker, Robert S., Ballinger, Fletcher, Cooper, and Lambert.
- Lambert, Pierre: *See—*
Kraft, Wheaton W., Lambert, and Montross.
- Lambert, Robert D., and D. W. Smith, Knoxville, Tenn., assignor to Tennessee Valley Authority. Making laminated lumber. 2,490,819, Dec. 13.
- Lamberton, Ralph E., assignor to The Jaeger Machine Company, Columbus, Ohio. Compressor control system. 2,476,048, July 12.
- Lamberton, Ralph E., Worthington, Ohio, assignor to Joy Manufacturing Company. Compressor. 2,482,626, Sept. 20.
- Lamberts, Calmor A.: *See—*
Bergmans, Jan, Lamberts, and Anderson.
- Lamborn, Herschel R., Kansas City, Kans., assignor to Phillips Petroleum Company. Injector. 2,483,911, Oct. 4.
- Lambrechts, Kenneth A., St. Louis, Mo. Necktie and holder assembly. 2,473,593, June 21.
- La Mere, Belle M., St. Paul, Minn. Baby sleeping harness. 2,480,585, Aug. 30.
- Lamina Dies and Tools, Inc., assignee: *See—*
Henkel, Ferdinand J.
- Laminated Shim Company, assignee: *See—*
Seipt, Richard, and Steves.
- Laminating Specialties, Inc., assignee: *See—*
Holden, Robert W.
- Lamm, Uno: *See—*
Hedstrom, Sven-Eric, and Lamm.
- Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Ignition device for ionic valves. 2,461,428, Feb. 8.
- Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Saturable reactor regulator. 2,477,990, Aug. 2.
- Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Voltage regulating system. 2,477,991, Aug. 2.
- Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Grid control for static current converters. 2,479,242, Aug. 16.
- La Mont, Charles T., Milwaukee, Wis. Combination comb and toilet article. 2,473,594, June 21.
- Lamont, James H., & Company Limited, assignee: *See—*
West, Robert S.
- Lamoreaux, Harry F., Ballston Lake, N. Y., assignor to General Electric Company. Preparation of polysiloxane resins. 2,470,497, May 17.
- Lamoreaux, Harry F., Ballston Lake, N. Y., assignor to General Electric Company. Hydrolyzing chlorosilanes and preparing polysiloxane resins. 2,483,209, Sept. 27.
- Lamothe, Arthur F., Los Angeles, Calif. Combination coat and trouser hanger. 2,467,623, Apr. 19.
- Lamothe, Joseph A.: *See—*
Lamothe, Onesime and J. A.
- Lamothe, Onesime, Champlain, and J. A. Lamothe, Lachine, Quebec, Canada. Batten clamp. 2,458,787, Jan. 11.
- La Motte, Golladay, Hopkinsville, Ky. Harvester with intermittently driven plant cutter and conveyor. 2,477,068, July 26.
- Lamp Hardware, Inc., assignee: *See—*
Brasty, Joseph.
- Lamperti, Mario J., San Rafael, Calif. Preparing foods for quick freezing. 2,479,171, Aug. 16.
- Lamphere, Richard W., Wilbraham, and J. T. Osterman, Northampton, assignors to American Bosch Corporation, Springfield, Mass. Ignition system and spark plug. 2,467,531, Apr. 19.
- Lampiris, William, assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Induction can soldering machine. 2,473,755, June 21.
- Lampson, Curtis W.: *See—*
Stoner, Richard G., and Lampson.
- Lampton, Glen T., West Hartford, and D. W. Perlin, assignors to United Aircraft Corporation, East Hartford, Conn. Automatic propeller. 2,483,912, Oct. 4.
- Lampton, Glen T., West Hartford, assignor to United Aircraft Corporation, Hartford, Conn. Automatic propeller blade support. 2,483,913, Oct. 4.
- Lamson, Edward R.: *See—*
Ferris, Seymour W., Lamson, and Smith.
- Lamson & Sessions Company, The, assignee: *See—*
Robinson, Henry G.
- Lana, Edward C., and G. L. Los Angeles, Calif. Tire pressure alarm switch. 2,482,984, Sept. 27.
- Lana, Garnet L.: *See—*
Lana, Edward C., and G. L.
- Lanagan & Hoke, Inc., assignee: *See—*
Cross, Charles.
- Lanahan, Charles R., Hot Springs, Ark. Tongue depressor. 2,482,116, Sept. 20.
- Lancaster, Arthur W., assignor to E. Long Limited, Orillia, Ontario, Canada. Dumping car. 2,482,347, Sept. 20.
- Lancaster, John B., Philadelphia, Pa. Menstrual cycle indicating device. 2,476,100, July 12.
- Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastener transferring mechanism. 2,468,212, Apr. 26.
- Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening-transferring mechanism for fastening-inserting machines. 2,468,213, Apr. 26.

- Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Turret type last pulling and relasting machine. 2,473,595, June 21.
- Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pressure mechanism. 2,479,630, Aug. 23.
- Lancaster Processes, Inc., assignee: *See*—
Robinson, Thomas.
- Banbury, Fernley H., Comes, and Schnuck, Robinson, Thomas.
- Lance, Harvey W.: *See*—
Adams, Robert J., and Lance.
- Lanchner, Samuel H., New York, N. Y. Cushioning or shock-absorbing means. 2,477,187, July 26.
- Lancia, Gianni, Turin, Italy. Heating device for engines. 2,485,750, Oct. 25.
- Lancome Societe Anonyme, assignee: *See*—
Frydender, Sophie.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Antiglare system for automotive vehicles employing polarized light. 2,458,179, Jan. 4.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic apparatus for processing film material. 2,467,320, Apr. 12.
- Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Self-developing camera. 2,477,304, July 26.
- Land, Edwin H., Cambridge, M. N. Fairbank, Belmont, and D. S. Grey, Weston, assignors to Polaroid Corporation, Cambridge, Mass. Self-developing camera apparatus. 2,483,014, Sept. 27.
- Land, Herbert R., Van Nuys, Calif. Folding handle for screw drivers or the like. 2,482,348, Sept. 20.
- Land, John A., Evergreen Park, Ill. Pipe hanger. 2,466,247, Apr. 5.
- Landahl, Eugene E., Detroit, Mich. Brake coupling. 2,464,589, Mar. 15.
- Landahl, Eugene E., Detroit, Mich. Overload releasing mechanism for power transmitting systems. 2,464,590, Mar. 15.
- Landahl, Eugene E., Detroit, Mich. Drive for overhead conveyers. 2,476,497, July 19.
- Landau, Edward F., Newark, and E. P. Irany, Cranford, N. J., assignors to Celanese Corporation of America. Vinyl sulfides. 2,490,875, Dec. 13.
- Landau, Miles E., Brooklyn, N. Y. Abrasive wheel with flexible resilient rim. 2,466,030, Apr. 5.
- Landau, Milton, New York, N. Y. Reaction product of a polyhydroxyl alcohol with a trivalent metal sulfate. 2,466,445, Apr. 5.
- Landen, Bernard, Ida Grove, Iowa. Folding drawbar for sectional harrows. 2,486,483, Nov. 1.
- Landen, David, Arlington, Va., assignor to the United States of America as represented by the Secretary of the Interior. Mapping instrument. 2,487,814, Nov. 15.
- Landers, Frary & Clark, assignee: *See*—
Almquist, Nils T.
Anderson, Oscar M.
Juengst, Fred W.
- Landes, Chester G.: *See*—
Studeny, John, Pollard, and Landes.
- Landgraf, Francis J. and R. P., Chicago, Ill. Electric coin meter and clock. 2,491,817, Dec. 20.
- Landgraf, Richard P.: *See*—
Landgraf, Francis J. and R. P.
- Landine, Peter N., Milford, Conn. Window. 2,466,549, Apr. 5.
- Landis, George G., South Euclid, assignor to The Lincoln Electric Company, Cleveland, Ohio. Flux element for use in arc welding. 2,468,372, Apr. 26.
- Landis, George G., South Euclid, assignor to The Lincoln Electric Company, Cleveland, Ohio. Transformer with variable magnetic shunt. 2,475,623, July 12.
- Landis, George G., South Euclid, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Arc welding system. 2,465,596, Mar. 29.
- Landis, George G., South Euclid, and H. S. Payne, assignors to The Lincoln Electric Company, Cleveland, Ohio. Arc welding under deep flux layer. 2,468,371, Apr. 26.
- Landis, George G., South Euclid, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Apparatus for electromagnetically controlling welding arcs. 2,472,851, June 14.
- Landis, George G., South Euclid, and V. Peters, Lakewood, assignors to The Lincoln Electric Company, Cleveland, Ohio. Arc welding composition and making same. 2,474,787, June 28.
- Landis & Gyr A. G., assignee: *See*—
Amsler, Robert.
Bollmann, Karl, and Meier.
Koenig, Werner.
Meier, Hans.
Vannini, Philipp.
Pudelko, Richard.
Pudelko, Richard, and Moos.
- Landis, Harry L., Wyndmoor, Pa. Grinding machine. 2,476,741, July 19.
- Landis Machine Company, assignee: *See*—
Dunford, Ernest.
Freter, Roy J.
Smith, Nevin B.
- Landis Tool Company, assignee: *See*—
Balsiger, Harold E.
Balsiger, Harold E., and Price.
Happel, William E.
Jones, Alvin J., and Willisma.
- Landmeier, Edwin W., Lakeside Park, assignor to The Wadsworth Electric Manufacturing Co., Inc., Covington, Ky. Electric switch. 2,492,101, Dec. 20.
- Land O'Lakes Creameries, Inc., assignee: *See*—
Johnson, Alexander.
- Landolt, Ernst, Neuchatel, Switzerland. Device for folding box blanks. 2,478,631, Aug. 9.
- Landon, Charles A., Columbus, Ohio. Molding form for use in producing burial vaults and the like. 2,486,038, Oct. 25.
- Landon, Robert E., Dallas, Tex. Liquid treating device. 2,468,561, Apr. 26.
- Landon, Robert W., Roscoe, Calif. Turnbarrel connection. 2,479,172, Aug. 16.
- Landon, Vernon D.: *See*—
Johnson, Harwick, and Landon, and Wiggins.
Keizer, Eugene O., Johnson, Landon, and Harvey.
- Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Controlling means and system. 2,461,328, Feb. 8.
- Landquist, Justus K.: *See*—
Curd, Francis H. S., Landquist, Raison, and Rose.
- Landrigan, James F., Jersey City, N. J. Brick veneered wall. 2,474,948, July 5.
- Landrock, Paul, and A. W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photographic copying machine. 2,487,561, Nov. 8.
- Landrum, Frank M., Dallas, Tex. Lawn edger. 2,464,695, Mar. 15.
- Landrum, Wiley A., Hattiesburg, Miss. Adjustable lamp support. 2,489,650, Nov. 29.
- Landry, Amaury J., San Francisco, Calif. Bicycle stand. 2,468,763, May 3.
- Landry, Bertrand A.: *See*—
Sherman, Ralph A., and Landry.
- Landry, Bertrand A., Columbus, Ohio. Down and cross draft heater, including airtight ash pit. 2,481,165, Sept. 6.
- Landry, Henry J., Chilton, Mass. Automatically folding play yard. 2,489,188, Nov. 22.
- Landsbergen, Hendricus J.: *See*—
Van Liempt, Johannes A. M., Prakke, Landsbergen, and van Uden.
- Landstrom, Evan E., assignee: *See*—
Rounds, Gale A.
- Landsverk, Ole G., Chicago, Ill., and E. O. Wollan, Oak Ridge, Tenn., assignors to the United States of America, as represented by the United States Atomic Energy Commission. Electrical measuring apparatus. 2,465,886, Mar. 29.
- Landwehr, Richard F., Laurelton, Long Island, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Lighter. 2,461,329, Feb. 8.
- Landwehr, Richard F., Laurelton, Long Island, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Lighter. 2,461,330, Feb. 8.
- Lane, Abbot A., Glen Ridge, N. J. Safety control apparatus for gas burners. 2,484,301, Oct. 11.
- Lane, Albert M., assignor to Vickers Incorporated, Detroit, Mich. Flow control circuit. 2,474,681, June 28.
- Lane, Cecil T., Upper Montclair, assignor to Specialties Development Corporation, Bloomfield, N. J. Valve. 2,464,242, Mar. 15.
- Lane, Fred A., Shelburn, assignor to Lane Motors, Inc., Terre Haute, Ind. Mechanical movement. 2,475,033, July 5.
- Lane, Fred A., Shelburn, assignor to Lane Motors, Inc., Terre Haute, Ind. Motion converter. 2,477,542, July 26.
- Lane, Fred A., Shelburn, assignor to Lane Motors, Inc., Terre Haute, Ind. Mechanical movement. 2,488,206, Nov. 15.
- Lane, George L., Glendale, H. M. Lichtenfeld, Los Angeles, and J. B. Austin, Glendale, Calif. Apparatus for separating whites and yolks of eggs. 2,488,473, Nov. 15.
- Lane, Guy M., and H. G. Thunder, assignors to Motor Products Corporation, Detroit, Mich. Ventilator window assembly. 2,484,514, Oct. 11.
- Lane, Henry G., Bainbridge, Ga. Adjustable plow sweep. 2,469,044, May 3.
- Lane, Jacob T., McKeesport, Pa. Automobile safety lock. 2,486,790, Nov. 1.
- Lane Motors, Inc., assignee: *See*—
Lane, Fred A.
- Lane, Ralph I., and J. Vaccaro, Waterbury, Conn. Coin and key holder. 2,486,180, Oct. 25.
- Lane, Stanley C.: *See*—
Wurth, Walter A., and Lane.
- Lane-Wells Company, assignee: *See*—
Fassin, Gustave.
Otis, Russell M.
Smith, Arthur L.

- Lane, William C., Jr., Belleville, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Automatic alarm signaling system. 2,462,875, Mar. 1.
- Lanerl, Samuel A.: *See*—
Finlay, Thomas B., and Lanerl.
- Lang, Carl E., Oakland, Calif. Hose coupling. 2,490,363, Dec. 6.
- Lang, Erstine Z.: *See*—
Tooke, James W., and Lang, Jr.
- Lang, Eugene M.: *See*—
Forster, John O., and Lang.
- Lang, Gregor L., Longmeadow, Mass. Spark plug. 2,479,577, Aug. 23.
- Lang, Gregor L., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Radio-shielded unit. 2,485,241, Oct. 18.
- Lang, Gregor L., West Haven, Conn., assignor to Link Aviation, Inc. Automatic radio signaling means for aviation trainers. 2,460,511, Feb. 1.
- Lang, Harry, St. Paul, Minn. Overall. 2,482,349, Sept. 20.
- Lang, John M., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Hinge structure for aircraft surfaces. 2,461,745, Feb. 15.
- Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Current control apparatus. 2,471,822, May 31.
- Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Current regulating device. 2,471,823, May 31.
- Lang, Robert C.: *See*—
Cook, James M., and Lang.
- Lang, Robert C., assignor to Kalamazoo Stove & Furnace Co., Kalamazoo, Mich. Range draft control. 2,469,121, May 3.
- Lang, Walter: *See*—
Nagel, John D., and Lang.
- Lang, Walter B., Roswell, N. Mex. Apparatus for subaqueous geologic prospecting. 2,476,309, July 19.
- Lang, Walter S.: *See*—
Robinson, Lawrence R., and Lang.
- Lang, William C., Willoughby, Ohio. Apparatus for joining metallic strip. 2,478,491, Aug. 9.
- Lang, Wolfgang S.: *See*—
Witzky, Julius E., Lang, and Jakob.
- Langen, Eugene E., Rutherford, N. J., N. E. Lemmon and F. W. Schuessler, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Refining hydrocarbon oils. 2,472,217, June 7.
- Langdon, Jesse D., Long Beach, Calif. Valve construction. 2,476,310, July 19.
- Langdon, Samuel W., assignor to Marful Specialties, Incorporated, Rochester, N. Y. Photographic apparatus for reproduction by direct or reflected light beams. 2,468,935, May 3.
- Langdon, William K.: *See*—
Jackson, Donald R., and Langdon.
- Lange, Carl W., Erie, Pa., assignor to General Electric Company. Cooling arrangement for dynamoelectric machines. 2,462,649, Feb. 22.
- Lange, Edward H., Baltimore, Md. Motor-power propelled lawn mowing machine. 2,483,777, Oct. 4.
- Lange, Gustave J., Elgin, Ill. Toolholder for magnetic chucks. 2,478,766, Aug. 9.
- Lange, Lila L., Chicago, Ill. Straining device. 2,459,660, Jan. 18.
- Lange, Max E., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,491,381, Dec. 13.
- Lange, Morris, University Heights, Ohio. Illuminated background. 2,478,699, Aug. 9.
- Lange, Morris, University Heights, and M. Spiegel, Shaker Heights, assignors to Superior Funeral Supply Corporation, Cleveland, Ohio. Folding support. 2,459,280, Jan. 18.
- Lange, William W.: *See*—
Atlee, Zed J., and Lange.
- Lange, Willy, and R. G. Folzenlogen, Cincinnati, assignors to The Procter & Gamble Company, Ivorydale, Ohio. Production of soap from hydrogenated vegetable oils. 2,473,154, June 14.
- Lange, Willy, Cincinnati, and R. G. Folzenlogen, Golf Manor, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Making bodied oils. 2,480,485, Aug. 30.
- Lange, Willy, Cincinnati, and R. G. Folzenlogen, Columbia Township, Hamilton County, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Preparation of carotene concentrate. 2,484,040, Oct. 11.
- Lange, Willy, Cincinnati, Ohio, and R. Livingston, Oak Ridge, Tenn., assignors to Ozark-Mahoning Company. Producing hexafluorophosphoric acid. 2,488,298, Nov. 15.
- Lange, Willy, Cincinnati, Ohio, and R. Livingston, Oak Ridge, Tenn., assignor to Ozark-Mahoning Company, Tulsa, Okla. Producing hexafluorophosphoric acid. 2,488,299, Nov. 15.
- Langer, Bernard F., Pittsburgh, and F. W. Godsey, Jr., Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque measuring device for shafts. 2,459,171, Jan. 18.
- Langer, Bernard F., and K. L. Wommack, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic torque responsive device. 2,470,626, May 17.
- Langer, Frederick G., Jr.: *See*—
Yetter, John W., and Langer, Jr.
- Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Electrical musical instrument with split keyboard. 2,458,178, Jan. 4.
- Langer, Nicholas, New York, N. Y. Heatsealing and apparatus therefor. 2,460,460, Feb. 1.
- Langer, Nicholas, New York, N. Y. Electric heatsealing machine. 2,479,375, Aug. 16.
- Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Electrical musical instrument. 2,486,039, Oct. 25.
- Langfelder, Otto, New York, N. Y. Single driven-shaft combined boring and reciprocable-saw machine. Re. 23,139, Aug. 2.
- Langfelder, Otto, New York, N. Y. Single driven-shaft combined boring and reciprocable-saw machine. 2,477,755, Aug. 2.
- Langham, Edward C., Montgomery, Ala. Automobile wheel truing apparatus. 2,491,117, Dec. 13.
- Langhurst, Louis F., Cedar Rapids, Iowa, assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio. Solvent recovery distillation system. 2,467,435, Apr. 19.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Salts of adiponitrile sulfonic acid. 2,462,406, Feb. 22.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of 3-hexenedinitrile and certain aldehydes. 2,462,407, Feb. 22.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Isomerization of 1,4-dicyano-2-butene. 2,478,285, Aug. 9.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of organic titanium compounds. 2,489,651, Nov. 29.
- Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl polysilicates. 2,490,691, Dec. 6.
- Langley Corporation, assignee: *See*—
Von Koscielski, George.
- Langley, Glenn, Davenport, Wash. Grade indicator. 2,481,847, Sept. 13.
- Langley, Stanley, West Toronto, Ontario, Canada, and A. Warring, assignors of one-third to said Warren, one-third to N. A. Grams, and one-third to W. Noponen, all of Detroit, Mich. Electric conduit connector. 2,458,276, Jan. 4.
- Langlykke, Asger F.: *See*—
Tsuchiya, Henry M., Van Lanen, and Langlykke.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Centrifugal fluid purifier. 2,485,390, Oct. 18.
- Langmuir, Robert V.: *See*—
Blewett, John P., and Langmuir.
- Langmuir, Robert V., Schenectady, N. Y., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,463,544, Mar. 8.
- Langmuir, Robert V., Schenectady, N. Y., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,463,545, Mar. 8.
- Langmuir, Robert V., and P. H. Peters, Jr., Schenectady, N. Y., assignors to General Electric Company. Balanced variable reactance device. 2,471,155, May 24.
- Langmyhr, George J., Sarnia, Ontario, Canada. Mixing apparatus. 2,463,886, Mar. 8.
- Lango, Otto A., Chicago, Ill. Self-feeding paper bursting toy gun. 2,490,991, Dec. 13.
- Langrod, Kasimir, New Haven, Conn., assignor to Heany Industrial Ceramic Corporation, Rochester, N. Y. Making porous refractory alumina material. 2,463,979, Mar. 8.
- Langsenkamp-Wheeler Brass Works, Inc., The, assignee: *See*—
Kottkamp, Norman C., and Bailey.
- Langstaff, Clinton A.: *See*—
Collins, Lawrence B., and Langstaff.
- Langston, Bryant W., Woodbury, assignor to Samuel M. Langston Co., Camden, N. J. Sheet delivery control for cut-off mechanisms. 2,481,934, Sept. 13.
- Langston, Bryant W., Woodberry, N. J., assignor to S. M. Langston Co. Machine for making corrugated paper. 2,482,627, Sept. 20.
- Langston, Carl D., assignee: *See*—
Purvis, Damon D.
- Langston, Samuel M., Co., assignee: *See*—
Goettisch, Walter J.
- Langston, Bryant W.
- Langstreth, Melon, Rochdale, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Machine for doubling or twisting yarns, threads, and the like. 2,463,887, Mar. 8.
- Langwill, Kathryn E., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Producing thin film of metal oxide. 2,486,955, Nov. 1.

- Langwood Products, assignee: *See—*
 Leblang, Stanley H.
 Langworthy, Burton: *See—*
 Perwerda, Thomas, and Langworthy.
 Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Tubular structure. 2,479,578, Aug. 23.
 Lank, Everett S., Green Acres, Md., assignor to Timber Engineering Company, Washington, D. C. Rotary tool for cutting circular grooves. 2,468,562, Apr. 26.
 Lankenau Hospital, The, assignee: *See—*
 Lavine, Theodore F.
 Lankford, Howard Y., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Device for measuring the thickness of walls or the like, subject to erosion. 2,470,498, May 17.
 Lankford, Howard Y., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Furnace roof and removable gauge pin for determining the condition thereof. 2,487,930, Nov. 15.
 Lankovski, Anatoly: *See—*
 Graves, Michael.
 Lankovski, Anatoly, and M. Graves, Los Angeles, Calif., assignors to M. B. Butler, Chicago, Ill. Hydraulic system for self-loading trucks. 2,470,778, May 24.
 Lankovski, Anatoly, and M. Graves, Los Angeles, Calif., assignors to M. B. Butler, Chicago, Ill. Scoop construction for self-loading trucks. 2,470,779, May 24.
 Lankro Chemicals Limited, assignee: *See—*
 Meade, Edwin M.
 Lannen, Joseph P., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich. Tire carrier for balancing machines. 2,481,125, Sept. 6.
 Lanning, Daniel D., Williamsville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized hydroxylated polymeric film and making same. 2,467,436, Apr. 19.
 Lanoie, Raymond A., Providence, R. I., assignor to Lew Mfg. Co. Attaching clips to writing instruments. 2,489,144, Nov. 22.
 Lanter, Clarence W., Bartlett, Ill., assignor to Birtman Electric Company. Disintegrator rotor for hammer mills and the like. 2,473,531, June 21.
 Lanter, Clarence W., Bartlett, Ill., assignor to Birtman Electric Company. Disintegrator having means for recirculating fluid currents from the material discharge hopper to the disintegrator chamber. 2,477,627, Aug. 2.
 Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Handle switch housing. 2,482,676, Sept. 20.
 Lanter, Clarence W., Bartlett, assignor to Sprayer Corporation of America, Evanston, Ill. Electric motor structure. 2,491,321, Dec. 13.
 Lanter, Clarence W., Du Page County, Ill., assignor to Birtman Electric Company. Hammer and rotor structure for disintegrators. 2,477,628, Aug. 2.
 Lantz, Alpha P., Washington, D. C. Ironing board and convertible-manting therefor. 2,486,606, Nov. 1.
 Lantz, Jewell M., Oswego, and E. R. Kerchal, Portland, Oreg. Connecting rod aligning jig. 2,472,163, June 7.
 Lantz, William H., Jr.: *See—*
 Cole, Thomas M., and Lantz, Jr.
 Lannxner, Joel M., West Englewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Directive antenna system. 2,480,143, Aug. 30.
 Lanz, Adolf, assignor to Baumwoll-Spinnerei & Weberei Wettingen, Wettingen, Switzerland. Variable warp tensioning means. 2,460,512, Feb. 1.
 Lanz, Adolf, assignor to Baumwoll-Spinnerei & Weberei Wettingen, Wettingen, Switzerland. Weaving in looms comprising a pattern device. 2,465,689, Mar. 29.
 Lanza, Sam, Lorain, Ohio. Animal trap. 2,478,286, Aug. 9.
 La Pedus, William E., Rockford, Ill. Alarm device. 2,460,133, Jan. 25.
 Lapeer Manufacturing Company, assignee: *See—*
 Gans, Robert S.
 Lapham, Edmund F., Jr., Norwell, Mass., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Coil supporting means. 2,474,259, June 28.
 La Piana, Fred G., Providence, R. I., assignor to Stein, Hall & Company, Inc., New York, N. Y. Warp sizing material. 2,462,108, Feb. 22.
 La Placa, Salvatore, Bridgeport, Conn. Machinist's clamp. 2,487,022, Nov. 1.
 La Place, Desmond R., Pittsburgh, Pa., assignor to Bocji Corporation. Stapling apparatus. 2,473,253, June 14.
 La Plant-Choate Manufacturing Co., Inc., assignee: *See—*
 Hyler, Loeffel L.
 Laplante, Hormidas, Cranston, R. I. Harness stop motion. 2,475,549, July 5.
 Lapointe Machine Tool Company, The, assignee: *See—*
 Bonnafé, Oliver W.
 La Pointe, Raymond E., assignor to The Bush Manufacturing Company, Hartford, Conn. Air chuck. 2,469,198, May 3.
 La Pointe, Roland A., Bangor, Maine. Airplane wing. 2,468,883, May 3.
 La Porta, Philip, Brooklyn, N. Y. Alarm and protector. 2,468,829, May 3.
 Lapp, Chester A., Cleveland, Ohio. Pipe fitting. 2,470,499, May 17.
 Lapp, Chester A., Cleveland, Ohio. Pipe fitting. 2,480,034, Aug. 23.
 Lapp Insulator Company, Inc., assignee: *See—*
 Dewey, Benjamin F.
 Lapp, Walter S., Lansdale, Pa. Vehicular spraying machine. 2,491,818, Dec. 20.
 Lapps, Rudolph, Detroit, Mich. Juice extractor. 2,481,848, Sept. 13.
 Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission control system. 2,461,218, Feb. 8.
 Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,480,938, Sept. 6.
 Lapsley, Robert, Berrien Springs, and B. L. Mills, assignors to Clark Equipment Company, Buchanan, Mich. One-way brake for torque converters. 2,461,217, Feb. 8.
 Laraque, Roland, assignor to Societe Anonyme L'Auxiliaire Industrielle, Paris, France. Screw jack with a reversible motor and safety ejection means. 2,476,376, July 19.
 Larchar, Arthur W.: *See—*
 Cairns, Theodore L., Larchar, and McKusick.
 Lareau, Dorilda: *See—*
 Lareau, Rudolph E. and D.
 Lareau, Rudolph E. and D. Fitchburg, Mass. Animated figure. 2,476,742, July 19.
 La Reliéphographie, Societe pour l'Exploitation des Procédes de Photographie en Relief Maurice Bonnet, assignee: *See—*
 Bonnet, Maurice.
 La Resista Corset Company, The, assignee: *See—*
 Rockwell, Eileen A.
 Large, William E.: *See—*
 Stadum, Clarence B., and Large.
 Larison Compensating Axle Corporation, assignee: *See—*
 Larison, Glenn L.
 Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Suspension for vehicles. 2,481,521, Sept. 13.
 La Rivière, Joseph A., Vancouver, British Columbia, Canada. Wheelbarrow with steering device. 2,492,157, Dec. 27.
 La Riviere, Theodoor W. Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for compensating the aerial effect of directional antennae. 2,460,357, Feb. 1.
 Lark, Gordon T. K., R. Gill, and R. B. Davie, assignors to Sturdy Electric Company Limited, Dipton, England. Control of electric discharge lamps. 2,458,277, Jan. 4.
 Larkin, Cordelia E. O., St. Petersburg, Fla. Spring actuated telescoping periscope. 2,460,461, Feb. 1.
 Larkin, David, Kirkwood, assignor to Broderick & Bascom Rope Company, St. Louis, Mo. Reel. 2,462,408, Feb. 22.
 Larkin, James L., Scarsdale, N. Y., assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Foldable display panel with collapsible support. 2,466,599, Apr. 5.
 Larkin, John J.; St. Louis Union Trust Company, L. V. Larkin, and L. G. Dancy, executors of said J. J. Larkin, deceased, assignors to Larkin Packer Company, St. Louis, Mo. Cementing equipment. 2,458,278, Jan. 4.
 Larkin, John J., deceased, late of St. Louis County, Mo., by L. V. Larkin, St. Louis County, L. G. Dancy, Glendale, and St. Louis Union Trust Company, executors, assignors to Larkin Packer Company, St. Louis, Mo. Cementing equipment. 2,488,819, Nov. 22.
 Larkin, Lillian V., executor, et al.: *See—*
 Larkin, John J.
 Larkin, Lillian V., executrix: *See—*
 Larkin, John J.
 Larkin Packer Company, assignee: *See—*
 Larkin, John J.
 Larkin, Peter G., New York, N. Y. Beer faucet. 2,457,906, Jan. 4.
 Larkin, Thomas E., Schenectady, N. Y., assignor to General Electric Company. Carburetor deicing control system. 2,464,047, Mar. 8.
 Larkin, William J., Lynnfield, and D. H. Bacon, deceased, late of Arlington, Mass., by A. E. Bacon, executrix, Arlington, assignors to National Company, Inc., Malden, Mass. Socket for electronic tubes with associated condensers. 2,458,390, Jan. 4.
 Larman, Harry, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Furnace. 2,480,374, Aug. 30.
 Laro, Henry, Boston, Mass. Tympan gauge. 2,477,188, July 26.
 La Rocque, Samuel W., Pawtucket, R. I. Warp-stop motion. 2,485,533, Oct. 18.
 La Rosa, Frank R., assignor of one-half to A. Lionello, Baltimore, Md. Combined slotting and cutoff portable saw. 2,468,214, Apr. 26.
 Larquetoux, André, Paris, France. Foundation. 2,468,265, Apr. 26.
 Larrick, Charles V., Schenectady, N. Y., assignor to General Electric Company. High-frequency surface testing instrument. 2,489,092, Nov. 22.
 Larrick, Charles V., Richland, Wash., assignor to General Electric Company. Calibrator for field intensity recorders. 2,489,908, Nov. 29.

- Larrick, Lewis: *See*—
Budd, Chester B., and Larrick.
- Larrison, Millard S.: *See*—
Burns, Frank B., Larrison, and Higgs.
- Larrison, Millard S., West McHenry, Ill., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Oxidation of heterocyclic aromatic nitrogen compounds. 2,475,969, July 12.
- Larsen Company, The, assignee: *See*—
Winters, Russell H.
- Larsen, Delmar H.: *See*—
Kells, Edward L., and Larsen.
- Larsen, Delmar H., Los Angeles, Calif. Treatment of oil wells. 2,465,237, Mar. 22.
- Larsen, Earl I.: *See*—
Hensel, Franz R., and Larsen.
- Larsen, Earl I., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Ejector type welding electrode holder. 2,460,889, Feb. 8.
- Larsen, Earl I., and E. F. Swazy, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Bonding a tungsten member to a backing member. 2,464,591, Mar. 15.
- Larsen, Elmer J., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Tension controlling apparatus. 2,485,895, Oct. 25.
- Larsen, Lars H., Yakima, Wash. Automatic greenhouse ventilator. 2,479,243, Aug. 16.
- Larsen, Leo M., Spokane, Wash. Reciprocating tool. 2,474,056, June 21.
- Larsen, Lewis, and E. P. Klar, Menominee, Mich., assignors to Heywood-Wakefield Company, Gardner, Mass. Adjustable rocking chair. 2,478,112, Aug. 2.
- Larsen, Merwin J., Rochester, N. Y., assignor to Central Commercial Company, Chicago, Ill. Vibrato organization. 2,470,705, May 17.
- Larsen, Merwin J., assignor to Stromberg-Carlson Company, Rochester, N. Y. Apparatus for linearizing sawtooth waves. 2,473,208, June 14.
- Larsen, Merwin J., Rochester, N. Y., assignor to Central Commercial Company, Chicago, Ill. Electrical musical instrument. 2,485,751, Oct. 25.
- Larsen, Merwin J., Villa Park, N. B. Erickson, Chicago, and W. J. Anderson, Elgin, assignors to Central Commercial Company, Chicago, Ill. Electric switch. 2,487,977, Nov. 15.
- Larsen, Olaf, Oak Park, assignor to Creamery Package Mfg. Company, Chicago, Ill. Shaft seal. 2,475,550, July 5.
- Larsen, Olaf F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Drive-peg toy. 2,487,562, Nov. 8.
- Larsen, Oscar F.: *See*—
Fowler, Roland G., Larsen, and Frieberg.
- Larsen, Robert G., Albany, assignor to Shell Development Company, San Francisco, Calif. Metal lubricant compositions. 2,466,642, Apr. 5.
- Larsen, Victor A., Alhadena, Calif., assignor, by mesne assignments, to G. Hanke, Massapequa, N. Y. Airplane drive. 2,460,587, Feb. 1.
- Larsh, Everett P., Montgomery, Ohio. Sliding vane reversible air compressor. 2,465,887, Mar. 29.
- Larson, Adolph J., Chicago, Ill. Pack of abrasive coated sheets. 2,485,295, Oct. 18.
- Larson, Albert E., and C. Cardoza, Gustine, Calif. Sterilizing cabinet. 2,488,130, Nov. 15.
- Larson, Algot, Bronx, assignor to Unique Balance Co., Inc., New York, N. Y. Adjusting means for spring balances. 2,477,069, July 26.
- Larson, Algot J. E., and C. L. Elofson, assignors to Art Metal Construction Company, Jamestown, N. Y. Corner finishing means for furniture tops. 2,486,854, Nov. 1.
- Larson, Arthur G.: *See*—
Hewitt, Ellis E., and Larson.
- Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Multiple engine output equalizing apparatus. 2,462,650, Feb. 22.
- Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Electromagnetic mercury switch relay. 2,491,986, Dec. 20.
- Larson, Charles O., Sterling, Ill. Safety hook. 2,470,706, May 17.
- Larson, Charles O., Sterling, Ill. Folding sawhorse. 2,473,342, June 14.
- Larson, Charles O., Sterling, Ill. Two-way adjustable clamping flange for workbenches or the like. 2,478,828, Aug. 9.
- Larson, Charles O., Sterling, Ill. Combined bench and table. 2,481,935, Sept. 13.
- Larson, Charles O., assignor to Chas. O. Larson Co., Sterling, Ill. Outdoor fireplace. 2,482,068, Sept. 13.
- Larson, Chas. O. Co., assignee: *See*—
Larson, Charles O.
- Larson, Christian C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Image dissector. 2,459,778, Jan. 18.
- Larson, Christian C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electron multiplier for ultra high frequencies. 2,473,031, June 14.
- Larson, Christian C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Color television projector. 2,489,299, Nov. 29.
- Larson, Donald E., Eureka, Calif., assignor to Chicago Bridge & Iron Company. Stabilizing and guide apparatus for lifter roof tanks. 2,477,629, Aug. 2.
- Larson, Donald E., Eureka, Calif., assignor to Chicago Bridge & Iron Company. Stabilizing and guide apparatus for lifter roof tanks. 2,477,630, Aug. 2.
- Larson, Donald E., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Guide for lifter roof tanks. 2,485,613, Oct. 25.
- Larson, Donald E., Eureka, Calif., assignor to Chicago Bridge & Iron Company. Sealing means for lifter roof tanks. 2,490,820, Dec. 13.
- Larson, Donald E., Eureka, Calif., and C. Arne, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Stabilizing and guide apparatus for lifter roofs. 2,485,614, Oct. 25.
- Larson, Emanuel, Amos, Quebec, Canada. Diamond drill stuffing box and clamp. 2,492,801, Dec. 27.
- Larson, Firthjof A.: *See*—
Deutsch, Robert K., Larson, and Middlebrook.
- Larson, Frank L.: *See*—
Robbins, Sam E.
- Larson, George A., Rockford, Ill. Abrasive sleeve holder. 2,483,422, Oct. 4.
- Larson, Gilbert C., Bayside, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Tuning mechanism. 2,490,526, Dec. 6.
- Larson, Glen M.: *See*—
Lewis, Howard B., and Larson.
- Larson, Harry D.: *See*—
Herbold, Emil, and Larson.
- Larson, Harry R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Ultra high frequency attenuator. 2,491,669, Dec. 20.
- Larson, Karl O., Minneapolis, Minn. Continuously extensible, retractable, and collapsible structure. 2,461,429, Feb. 8.
- Larson, Karl R., assignor to The Paul Bunyan Bait Company, Minneapolis, Minn. Artificial eye mount. 2,477,460, July 26.
- Larson, Karl R., assignor to The Paul Bunyan Bait Company, Minneapolis, Minn. Weedless fishhook. 2,477,488, July 26.
- Larson, Kenneth R., Des Plaines, and J. G. Bilz, Niles, Ill., assignors to C. B. Albert, Milwaukee, Wis. Garment blocker. 2,484,806, Oct. 18.
- Larson, Kenneth R., Des Plaines, and J. G. Bilz, Niles, Ill., assignors to C. B. Albert, Milwaukee, Wis. Garment blocker. 2,484,807, Oct. 18.
- Larson, Leland H.: *See*—
Larson, Robert L., L. H. and W. K.
- Larson, Lester, Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Preparing crystalline salts of penicillin. 2,486,181, Oct. 25.
- Larson, Lloyd A., Oakland, Calif. Portable and foldable vehicle lifting ramp. 2,471,756, May 31.
- Larson, Lorell V.: *See*—
Griesinger, John W., and Larson.
- Larson, Oscar, Vallejo, Calif. Wall hook. 2,463,186, Mar. 1.
- Larson, Oscar G., trustee: *See*—
Lehman, Lincoln D.
- Larson, Robert L., L. H. and W. K., Chilton, Wis. Steam sleeve shaper. 2,487,657, Nov. 8.
- Larson, Roy E., R. W. Liggett, and W. C. Mussulman, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Flavoring materials. 2,459,563, Jan. 18.
- Larson, William K.: *See*—
Larson, Robert L., L. H. and W. K.
- Larsen, Lars: *See*—
Taylor, Irving R., and Larssen.
- Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Control system for trolley switches. 2,490,909, Dec. 13.
- Larsson, Olof E., Orebro, Sweden. Device for automatic stitching of cardboard boxes. 2,489,909, Nov. 29.
- LaRue, Albert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electrically heated ice-removing covering. 2,487,658, Nov. 8.
- Lasak, Frank J.: *See*—
Flynn, Edward J., and Lasak.
- La Salle Designing Company, assignee: *See*—
Conn, Alfred J., and Stanley.
- Lasar, William, Los Angeles, Calif. Band-saw table. 2,467,532, Apr. 19.
- Lasar, William, Los Angeles, Calif. Adjustable pulley mounting for band saws. 2,481,675, Sept. 13.
- La Scala, Michael P., and J. A. Wilber, Compton, Calif. Liquid dispenser for floor waxing machines. 2,475,189, July 5.
- Laschenski, Joseph E., Springfield, assignor to Philco Corporation, Philadelphia, Pa. Tuning mechanism. 2,478,287, Aug. 9.
- La Scola Corporation, assignee: *See*—
Pierrez, Percival A.
- Lasher, Edward A., assignor to California Flaxseed Products Company, Los Angeles, Calif. Polyamide-ester composition. 2,475,034, July 5.

- Lasher, Hiram S., Jr., Schenectady, N. Y., assignor to General Electric Company. Oscillograph apparatus. 2,467,834, Apr. 19.
- Lasker, William W., Jr., Brooklyn, assignor to Remington Rand, Inc., Buffalo, N. Y. Pressure booster apparatus for pin sensing mechanisms. 2,468,335, Apr. 26.
- Laskey, Thomas S., Kingston, Pa. Oil Filter. 2,487,146, Nov. 8.
- Laspe, Albert T., Normandy, and J. R. Graef, assignors to Lincoln Engineering Company, St. Louis, Mo. Surge-compensated liquid pump. 2,485,752, Oct. 25.
- Lassa, Frank J., Chicago, Ill. Bathtub. 2,464,645, Mar. 15.
- Lasseigne, Arthur S. and E. J. Reserve, La. Roadside weed burner. 2,485,391, Oct. 18.
- Lasseigne, Etienne J.: *See—*
- Lasseigne, Arthur S. and E. J.
- Lassen, Elvind U., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor-driven traveling devices. 2,462,755, Feb. 22.
- Lassila, Henry W., Great Falls, Mont. Post puller. 2,479,748, Aug. 23.
- Lassy, Carl O., Plainville, Conn. Work-holding means. 2,460,890, Feb. 8.
- Lasto, Stephen W., Stratford, assignor of one-half to F. E. Lacey, Bridgeport, Conn. Machine. 2,489,239, Nov. 22.
- Laszlo, Margit F., assignor to Cole of California, Los Angeles, Calif. Brassière. 2,475,624, July 12.
- Lataner, Harry, Vinton, Va. Edible product and making the same. 2,487,931, Nov. 15.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydration of hydrogen chloride-hydrocarbon mixtures by distillation. 2,463,187, Mar. 1.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing liquid anhydrous hydrogen chloride by distillation. 2,463,188, Mar. 1.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization of hydrocarbons and improved catalysts therefor. 2,464,201, Mar. 15.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of metal halide sludge. 2,486,484, Nov. 1.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Utilization of metal halide-hydrocarbon sludge. 2,486,485, Nov. 1.
- Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractionating methane and ethane from hydrocarbon mixtures. 2,487,147, Nov. 8.
- Latex Fiber Industries, Inc., assignee: *See—*
- Owen, Allen F.
- Latham, Allen, Jr., Jamaica Plain, assignor to A. D. Little, Inc., Cambridge, Mass. Vapor compression type still. 2,469,122, May 3.
- Latham, Henry H., and J. R. Morton, assignors to Morton Chemical Company, Greensboro, N. C. Rendering anionic coating materials adherent to anionic bases. 2,468,086, Apr. 26.
- Lathers, Matthew F., Saint Augustine, Fla. Baffle type muffler. 2,473,103, June 14.
- Lathers, William C., Jr., Madison, Wis. Hoisting attachment for motor-driven vehicles, such as tractors. 2,470,857, May 24.
- Lathrop, Elbert C., and S. I. Aronovsky, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Aerator. 2,461,746, Feb. 15.
- Lathrop-Paulson Company, The, assignee: *See—*
- Schwarzkopf, Vergil.
- Latieule, Yves, L. Cloche, and H. Bricout, assignors to Comptoir Linier, Paris, France. Electric circular loom. 2,487,148, Nov. 8.
- Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,459,887, Jan. 25.
- Latshaw, Elmer, Philadelphia, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Spring. 2,469,925, May 10.
- Latta, Isaac R., Drexel Hill, Pa., assignor to General Electric Company. Control device. 2,459,564, Jan. 18.
- Latta, John S., Sr., Cedar Falls, Iowa. Electric bed warmer. 2,490,910, Dec. 13.
- Laubach, Howard E., Cincinnati, and R. C. Johnson and V. J. Kramer, Norwood, assignors to The Boye & Emmes Machine Tool Company, Cincinnati, Ohio. Headstock transmission gear shifting mechanism. 2,469,881, May 10.
- Laube, Grover, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Automatic stop motion device. 2,488,820, Nov. 22.
- Laube, Grover, and W. A. Wootten, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Motion-picture film splicer. 2,486,040, Oct. 25.
- Laubi, Arthur, Fairhaven, Mass. Rotary attachment plug. 2,465,022, Mar. 22.
- Lauchenaue, Hermann, Zurich, Switzerland. Self-priming centrifugal pump. 2,458,607, Jan. 11.
- Lauck, John A., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pressure loaded gear pump. 2,470,355, May 17.
- Lauderman, Vincent A., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Water-base printing ink. 2,468,633, Apr. 26.
- Laue, Charles E., Chicago, Ill. Valve. 2,474,430, June 28.
- Laughlin, Charles C., and E. Wainer, Niagara Falls, assignors, by mesne assignments, to National Lead Company, New York, N. Y. Graphite-free titanium carbide and making same. 2,491,410, Dec. 15.
- Laughlin, Myron P., assignee: *See—*
- Scott, George D.
- Laure, George R., and L. T. Cookson, assignors to The Upjohn Company, Kalamazoo, Mich. Infusion device. 2,489,966, Nov. 29.
- Laurel Fashions, Inc., assignee: *See—*
- Goldstein, Charlotte.
- Laurent, Charles, Paris, France. Carbon type microphone. 2,483,317, Sept. 27.
- Laurent, Charles, Paris, France. Telephonic call magneto. 2,488,821, Nov. 22.
- Laurent, Milton P., Houston, Tex. Gate valve. 2,479,124, Aug. 16.
- Laurent, Pierre A., Paris, France; vested in the Attorney General of the United States. Dehydrating amyl alcohols. 2,468,764, May 3.
- Laurie, Kenneth S., assignor to J. Dalglish, Glasgow, Scotland. Electric control apparatus in fabric drying machine having means for conveying the fabric. 2,466,446, Apr. 5.
- Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket device. 2,464,181, Mar. 8.
- Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket device. 2,469,350, May 10.
- Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fuse. 2,469,351, May 10.
- Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fuse. 2,469,352, May 10.
- Lauritsen, Charles C., and J. McMorris, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Rocket device. 2,458,475, Jan. 4.
- Lauritsen, Charles C., Pasadena, and J. McMorris, deceased, late of Pasadena, by H. C. McMorris, administratrix, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,458,476, Jan. 4.
- Lauter, Werner M.: *See—*
- Furter, Max F., and Lauter.
- Lautrup, George W., Yonkers, N. Y., and J. N. Anderson, Hoboken, N. J., assignors to Otis Elevator Company, New York, N. Y. Moving stairway brake. 2,460,017, Jan. 25.
- Lauve, Louis L.: *See—*
- Enkur, Edward M., Pahl, and Lauve.
- Lauver, Samuel S., assignor of one-third to J. M. Hoffer, Altoona, Pa. Freight car door lock. 2,466,855, Apr. 12.
- Laux, Daniel R., Elmira, and T. Ward, Ithaca, assignors to The Rhythm Indicator, Inc., Elmira, N. Y. Periodic computing device. 2,465,238, Mar. 22.
- Lauzon, George G. A., Three Rivers, Ontario, Canada. Adjustable pants presser. 2,486,486, Nov. 1.
- Lava Crucible Company, of Pittsburgh, assignee: *See—*
- South, Furman, Jr.
- Lavash, Francis L., Dedham, assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Multiple clutch. 2,472,750, June 7.
- La Velle, Gertrude F., assignee, executrix: *See—*
- Jenkins, Samuel M., Jr.
- La Velle, J. Neal: *See—*
- Jenkins, Samuel M., Jr.
- Lavender, Raymond W., Johnson City, N. Y., assignor to General Electric Company. Amplifier control circuit. 2,465,809, Mar. 29.
- Laverents, Sidney N., San Diego, Calif. Double-action bass drum pedal. 2,484,302, Oct. 11.
- Lavietes, Abraham H., Shelton, Conn. Tobacco can elevator. 2,474,315, June 28.
- Lavietes, David P., Boone, N. C. Smoker's pipe. 2,461,905, Feb. 15.
- Lavietes, David P., Brooklyn, N. Y. Smoker's pipe. 2,473,715, June 21.
- Lavietes, David P., Sparta, N. C. Screw and driver. 2,458,391, Jan. 4.
- La Vietes, Joseph R., Brooklyn, N. Y. Bubble composition. 2,469,045, May 3.
- Laville, André H.: *See—*
- Maillard, Francis H. M. J., Laville, and Béziaud.
- Lavin, Edward, and C. L. Boyce, assignors to Shawinigan Resins Corporation, Springfield, Mass. Polymerization of vinyl esters in an aqueous emulsion. 2,486,855, Nov. 1.
- Lavine, Harold H., Washington, D. C. Dental cuspidor shield. 2,489,967, Nov. 29.
- Lavine, Theodore F., Cynwyd, assignor to The Lankenau Hospital, Philadelphia, Pa. Saturated cyclic 2, 1-azathionium compounds and making same. 2,465,461, Mar. 29.
- Lavoie, Wallace H., Hartford, Conn. Electric wall outlet and plug therefor. 2,467,981, Apr. 19.

- Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Cathode beam transmitter tube. 2,460,093, Jan. 25.
- Law, Harry Y., Merced, Calif. Chain and sprocket assembly. 2,489,039, Nov. 22.
- Law, Philip B.: *See—*
Olpin, Henry C., and Law.
Olpin, Henry C., Law, and Gibson.
- Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,471,037, May 24.
- Law, Russell R., and L. Pensak, Princeton, N. J., assignors to Radio Corporation of America. Ultra high frequency electron discharge device having elongated electrodes. 2,481,026, Sept. 6.
- Law, William E., Windsor, Calif. Piston ring groove cleaner. 2,480,745, Aug. 30.
- Lawry, John M., assignee: *See—*
Shield, Benjamin J.
- Lawhead, Robert E.: *See—*
Wagner, John L., and Lawhead.
- Lawn Equipment Company, assignee: *See—*
Esleck, Clyde.
- Lawrence, A. C., Leather Company, assignee: *See—*
Griffin, Roger L., and Moore.
- Lawrence, Benjamin E., Chicago, Ill. Portable sundial. 2,463,781, Mar. 8.
- Lawrence, Donald M., Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Ice eliminating system. 2,478,492, Aug. 9.
- Lawrence, Donald M., Newark, assignor to Bendix Aviation Corporation, Teterboro, N. J. Ice eliminating system and oil separator operative therein. 2,476,198, July 12.
- Lawrence, Durward L., Steele, assignor of forty per cent to R. Beal, Gatewood, Mo. Motor vehicle attachment. 2,491,009, Dec. 13.
- Lawrence, Frank L., assignor to Pacific Car and Foundry Company, Renton, Wash. Planetary transmission unit. 2,466,319, Apr. 5.
- Lawrence, Frank L., assignor to Pacific Car and Foundry Company, Renton, Wash. Transmission drive assembly. 2,466,320, Apr. 5.
- Lawrence, Franklin I. L., Bradford, Pa., assignor to The Permutit Company, New York, N. Y. Demineralizing. 2,470,500, May 17.
- Lawrence, Henry A. J., Leamington Spa, England. Perambulator or like carriage. 2,479,749, Aug. 23.
- Lawrence, Leslie G., Newton Center, assignor to Raytheon Manufacturing Company, Newton, Mass. Adapter. 2,481,027, Sept. 6.
- Lawrence, Lovell, Jr.: *See—*
Wyld, James H., and Lawrence Jr.
- Lawrence, Lovell, Jr., Pines Lake, Paterson, and J. H. Wyld, Pompton Lakes, assignors to Reaction Motors, Inc., Pompton Plains, N. J. Reaction motor control system. 2,470,564, May 17.
- Lawrence Paper Company, The, assignee: *See—*
Hill, Irving and J. D.
- Lawrence, Ray V.: *See—*
McKennon, Forrest L., and Lawrence.
- Lawrence, Ray V., New Orleans, La., assignor to The United States of America as represented by the Secretary of Agriculture. Butadiene emulsion polymerization in the presence of levopimaric acid-maleic anhydride addition product esters. 2,465,888, Mar. 29.
- Lawrence, Raymond H., South Akron, Ohio. Plenum with two playing points. 2,481,759, Sept. 13.
- Lawrence, Raymond T.: *See—*
Warnshuis, Frederic M., and Lawrence.
- Lawrence, Robert R., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride-containing resin stabilized with propylene glycol dirinoleate. 2,486,182, Oct. 25.
- Lawrence, Thomas, Mobile, Ala. Clamp. 2,492,586, Dec. 27.
- Lawrie, Henry D., Wilmette, Ill. Folding machine. 2,470,072, May 10.
- Laws, Claude V., Rosemead, Calif. Apparatus for automatically controlling traffic. 2,481,126, Sept. 6.
- Laws, Orpha M., administratrix and assignee: *See—*
Laws, Robert E.
- Laws, Robert E.; O. M. Laws, administratrix of said R. E. Laws, deceased, assignor to said O. M. Laws, Kanab, Utah. Bitless bridle. 2,469,046, May 3.
- Lawshe, Errol R., assignor to Becton, Dickinson & Co., Rutherford, N. J. Holder. 2,489,040, Nov. 22.
- Lawson, Andrew L., Lincolnshire, assignor to Cardox Corporation, Chicago, Ill. U-tube pressure gauge. 2,483,914, Oct. 4.
- Lawson, E. P., Co., Inc., assignee: *See—*
Seybold, Frederick W.
- Lawson, Elmer J., East Greenbush, and C. M. Suter, Albany, assignors to Sterling Drug Inc., New York, N. Y. Compound 4-chloro-3-trifluoromethylphenol and preparation. 2,489,423, Nov. 29.
- Lawson, George W., and H. R. Armer, Houston, Tex. Distributing machine. 2,490,971, Dec. 13.
- Lawson, Harold H., Philadelphia, Pa., assignor to General Electric Company. Lockout and alarm device for circuit breakers. 2,460,758, Feb. 1.
- Lawson, Herbert E., Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Navy. Battery electrolyte with phosphoric acid. 2,472,379, June 7.
- Lawson, James L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Detection of high-frequency electric oscillations. 2,472,378, June 7.
- Lawson, John E., Harbor Creek, Pa. Turn-about coaster. 2,476,984, July 26.
- Lawson Manufacturing Company, assignee: *See—*
Jones, Chester D.
- Lawson, Robert H.: *See—*
Jencks, Charles D., and Lawson.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for inserting fastenings. 2,475,669, July 12.
- Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting hosiery. 2,475,845, July 12.
- Lawson, Robert H., Lakeport, N. H., assignor, by mesne assignments, to The Werdna Company, Bristol Highlands, R. I. Winding machine. 2,466,600, Apr. 5.
- Lawson, Robert R.: *See—*
Ensign, George G., Lawson, Schaefer, and Wochos.
- Lawson, Wilfred G., and F. S. Jenkins, Chertsey, assignors, by mesne assignments, to A. H. Lakeman, London, England. Sheet delivery mechanism for stop-cylinder printing machines. 2,491,819, Dec. 20.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can body side seam forming apparatus. 2,465,239, Mar. 22.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can extractor. 2,471,156, May 24.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Apparatus for forming and locking can body side seams. 2,480,190, Aug. 30.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Mandrel support and brake for can body forming machines. 2,480,191, Aug. 30.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Apparatus for registering can body blanks. 2,480,192, Aug. 30.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can tester valve mechanism. 2,482,677, Sept. 20.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can bodymaker side seam flattening apparatus. 2,482,678, Sept. 20.
- Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Solder horn for can body side seams. 2,491,616, Dec. 20.
- Lay, Jack D., assignee: *See—*
Hawkins, Scott F., and Roberts.
- Laycock, John N., United States Navy. Pontoon assembly. 2,480,144, Aug. 30.
- Layfield, Floyd H., Powell, Tex. Artificial fish lure. 2,485,053, Oct. 18.
- Layne, Alice M., Detroit, Mich. Portable electric refrigerator. 2,481,228, Sept. 6.
- Layne & Bowler, Incorporated, assignee: *See—*
Moehrl, Kenneth E.
- Layng, Edwin T., assignor to The M. W. Kellogg Company, Jersey City, N. J. Catalyst for hydrocarbon conversion process. 2,487,563, Nov. 8.
- Layng, Edwin T., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic synthesis of hydrocarbons. 2,465,462, Mar. 29.
- Layng, Edwin T., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Silica gel-alumina supported catalyst. 2,487,564, Nov. 8.
- Laystrom, Carl A., Evanston, and H. R. Sigler, Argenta, assignors, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Holder for rolled material. 2,486,607, Nov. 1.
- Layton, Gomer T.: *See—*
Ellwanger, George W., and Layton.
- Layton, Ray, Muskegon, Mich. Combination micrometer. 2,469,926, May 10.
- Lazan, Benjamin J., Greenwich, Conn. Oscillator. 2,483,318, Sept. 27.
- Lazan, Benjamin J., Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Fatigue testing machine. 2,486,567, Nov. 1.
- Lazar, John, West Allis, Wis. Adjustable lock wedge. 2,460,643, Feb. 1.
- Lazare, Philippe, Marseille, France. Paintbox. 2,473,532, June 21.
- Lazaro, Anton, Chicago, Ill. Apparatus for electroplating. 2,491,925, Dec. 20.
- Lazarus, William C., Orlando, Fla., R. H. Paul, Inglewood, Calif., and J. B. Rishel, Dayton, Ohio. Aerial hookup for towing airplanes. 2,480,145, Aug. 30.
- Lazier, Wilbur A.: *See—*
Bordenca, Carl, and Lazier.
- Mattocks, Albert M., Jr., and Lazier.
- Lea, Ellis, South Charleston, W. Va. Piston machine rest. 2,458,608, Jan. 11.
- Lea Manufacturing Company, assignee: *See—*
Creamer, James P.
- Lea, Walter A., assignor of one-third to G. H. Cunningham, and one-third to N. A. Thiebaud, Los Angeles, Calif. Radio program selector. 2,488,207, Nov. 15.

- Leach, Byron E.: *See*—
Hunter, James H., and Leach.
Leach, Grover C. and R. T., Brownwood, Tex. Grinding machine. 2,479,579, Aug. 23.
Leach, Richard T.: *See*—
Leach, Grover C. and R. T.
Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Silver-copper-zinc-cadmium alloy. 2,487,452, Nov. 8.
Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Silver-copper-zinc-cadmium alloy. 2,487,453, Nov. 8.
Leadbetter, Ralph L., Roselle, assignor to Burgess-Manning Company, Chicago, Ill. Silencer with cloth gas-conducting conduit. 2,485,392, Oct. 18.
Leaders, William M., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Manufacture of fatty acids. 2,489,713, Nov. 29.
Leadlay, Norman R., assignee: *See*—
Lowenstein, Louis A.
Leaf Brands, Inc., assignee: *See*—
Lobell, Rolfe M.
Leaf Manufacturing Corporation, The, assignee: *See*—
Owens, Henry B., and Derrick.
Weisselberg, Arnold.
League, Houston C.: *See*—
Pendleton, Ernest E., and League.
Leahy, Lawrence, assignee: *See*—
Carragher, George.
Leake, James M., Monroe, Mich. Engine rocker arm. 2,469,564, May 10.
Leake, James M., Monroe, Mich. Engine rocker arm. 2,483,210, Sept. 27.
Leake, James M., Monroe, Mich. Engine rocker arm. 2,483,211, Sept. 27.
Leake, James M., Monroe, Mich. Mower guard. 2,483,212, Sept. 27.
Leaman, James, New York, N. Y. Ash tray. 2,470,501, May 17.
Lean, Rodney J., Erdington, Birmingham, England, assignor to Birlec Limited. Electric switching mechanism. 2,478,407, Aug. 9.
Lear, Incorporated, assignee: *See*—
Lear, William P.
Nygaard, Herman.
Roberts, Jean M.
Slaughter, Elmer C.
Wade, Willard H.
Lear, John S., assignee: *See*—
Guthrie, James M.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Linear actuator mechanism. 2,464,873, Mar. 22.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Compass indication stabilizing system. 2,465,311, Mar. 22.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Directional radio receiver system. 2,469,970, May 10.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Remote positioning and indicating system. 2,471,220, May 24.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Axially engaging electromagnetic clutch and brake. 2,481,028, Sept. 6.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetic recorder unit. 2,485,451, Oct. 18.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Mount for mechanical actuators. 2,490,972, Dec. 13.
Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Unitary mechanical actuator device. 2,469,269, May 3.
Learned, Vincent R.: *See*—
Woodyard, John R., Ginzton, and Learned.
Learned, Vincent R., Hempstead, N. Y., assignor to The Sperry Corporation. Frequency control system. 2,464,818, Mar. 22.
Learned, Vincent R., Hempstead, N. Y., assignor to The Sperry Corporation. Ultra high frequency discriminator and apparatus. 2,476,311, July 19.
Leary, Edward J., San Francisco, Calif. Lifting device. 2,484,041, Oct. 11.
Leary, Richard E., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cast synthetic resin having integral sheen. 2,480,750, Aug. 30.
Leas, Vernon E., Minneapolis, Minn. Slide shifter for projectors. 2,482,117, Sept. 20.
Leas, Warren R., Pittston, assignor to G. S. and N. A. Gustitus, Forty Fort, Pa. Swinging swivel. 2,484,173, Oct. 11.
Leash, Neil A., Scappoose, Oreg. Box lid. 2,463,982, Mar. 8.
Leatherman, Earl W., Akron, Ohio. Flameproofing composition. 2,463,983, Mar. 8.
Leatherman, Martin, Bel Air, Md. Combustion retarding coating composition. 2,475,626, July 12.
Leatherman, Martin, U. S. Army. Fireproofing coating composition. 2,472,112, June 7.
Leathers, Chester F.: *See*—
Johnson, Fred H., and Leathers.
Leathers, Chester F., Detroit, Mich. Electrical welding control system. 2,464,935, Mar. 22.
Leathers, Chester F., Detroit, Mich. Welding apparatus. 2,467,321, Apr. 12.
Leathers, Chester F., and L. M. Benkert, assignors to Progressive Welder Company, Detroit, Mich. Method of and apparatus for electric welding. 2,464,981, Mar. 22.
Leathers, Ward, Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Automatic lead mechanism for gun sighting apparatus. 2,466,248, Apr. 5.
Leathers, Ward, Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Counter actuating and resetting mechanism. 2,469,655, May 10.
Leathers, Ward, and G. S. Di Monico, Brooklyn, assignors to International Business Machines Corporation, New York, N. Y. Electrical gyroscopically actuated control device. 2,464,592, Mar. 15.
Leathers, Ward, Brooklyn, and L. Bruehl, assignors to International Business Machines Corporation, New York, N. Y. Lash-free gear driving mechanism. 2,475,329, July 5.
Leaver, Eric W., and G. R. Mounce, assignors, by mesne assignments, to Salem Engineering (Canada) Limited, Toronto, Ontario, Canada. Method and apparatus for the automatic control of machinery. 2,475,245, July 5.
Leavitt Machine Company, The, assignee: *See*—
Harris, Warren A., Sr.
Leazer, Shelley J., Charlotte, N. C. Replacement screen for oil pans. 2,480,486, Aug. 30.
Lebach, Hans H.: *See*—
Adams, William H., Jr., and Lebach.
Lebach, Hans H., assignor to Havg Corporation, Newark, Del. Furfuryl alcohol-phenol aldehyde resinous products and making the same. 2,471,631, May 31.
Lebach, John L., Forest Hills, N. Y. Cigarette case. 2,491,617, Dec. 20.
Le Baron, Francis E., Binghamton, N. Y. Toilet kit. 2,487,883, Nov. 15.
Le Beau, Roland A., assignor to Lagrally Engineering Co., Inc., Worcester, Mass. Buffing wheel spiral sewing machine index unit. 2,475,551, July 5.
Lebedeff, Michael N., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Pipe mitring apparatus. 2,459,823, Jan. 25.
Lebedeff, Michael N., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Method and apparatus for corrugating sheet metal by a reciprocating bender with a pivoted side shaper. 2,473,533, June 21.
Leber, Samuel, Belle Harbor, and E. U. Zeller, Belle Rose, assignors to Consolidated Wire Products Co., New York, N. Y. Stapling apparatus. 2,487,565, Nov. 8.
Leber, Samuel, Belle Harbor, and E. U. Zeller, Belle Rose, assignors to Consolidated Wire Products Co., New York, N. Y. Stapling apparatus. 2,487,566, Nov. 8.
Leberknight, Charles E.: *See*—
Konrad, William L., Bossart, and Leberknight.
Lebertre, Maurice: *See*—
Mozzanini, Georges G., and Lebertre.
Lebet, André: *See*—
Castro, René and Lebet.
Le Blanc, Adam J., Donaldsonville, assignor to Le Blanc Hardware Co., Inc., Parish of Ascension, La. Cultivator. 2,483,649, Oct. 4.
Leblanc, Conrad, assignor to Costanzo Marini, Leominster, Mass. Making combs. 2,478,872, Aug. 9.
Le Blanc Hardware Co., Inc., assignee: *See*—
Le Blanc, Adam J.
Leblang, Stanley H., assignor to Langwood Products, New York, N. Y. Toy with magnetic assembly. 2,465,971, Mar. 29.
Le Blond, R. K., Machine Tool Co., The, assignee: *See*—
Davis, Adolph H.
Le Blond, Richard K., and Kemper.
Siekmann, Harold J., and Kemper.
LeBlond, R. K., Machine Tool Company, The, assignee: *See*—
Cooper, Nelson D., and Ruchty.
Davis, Adolph H.
Groene, William F., and Kemper.
Groene, William F., Siekmann, and Meyer.
Hartley, Albert L., and Davis.
Le Blond, Richard K., and Kemper.
Meyer, Walter R., and Siekmann.
Siekmann, Harold J., and Bacon.
Waterson, Arthur P.
Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe headstock gear shifting mechanism. 2,466,814, Apr. 12.

- Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Milling machine feed mechanism. 2,473,596, June 21.
- Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Indicating dial. 2,492,229, Dec. 27.
- Lebold, Samuel N., assignor to Morris Paper Mills, Chicago, Ill. Bottle holder. 2,460,229, Jan. 25.
- Le Brasse, Gordon J., Ann Arbor, and H. E. Francis, assignors to Federal-Mogul Corporation, Detroit, Mich. Atomized metal. 2,460,991, Feb. 8.
- Le Brasse, Gordon J., Ann Arbor, and H. E. Francis, assignors to Federal-Mogul Corporation, Detroit, Mich. Atomizing metal. 2,460,992, Feb. 8.
- Le Brasse, Gordon J., Ann Arbor, and H. E. Francis, assignors to Federal-Mogul Corporation, Detroit, Mich. Apparatus for atomizing metal. 2,460,993, Feb. 8.
- Lebus, William A., assignor to The Protectoseal Company, Chicago, Ill. Vacuum breaker. 2,487,454, Nov. 8.
- Lecher, Hans Z.: *See—*
Eberhart, Dale E., Lecher, and Scalera.
- Lecher, Hans Z., Plainfield, and R. E. Brouillard, Bound Brook, N. J., and E. Baumgarten, Staten Island, assignors to American Cyanamid Company, New York, N. Y. Preparation of phthalocyanine pigments from ω -chlorine or ω -bromine substituted α -xylenes. 2,460,783, Feb. 1.
- Lecher, Hans Z., Plainfield, and M. Scalera and W. S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing flavan-thrones. 2,468,599, Apr. 26.
- Lecher, Hans Z., Plainfield, and F. H. Adams, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Water-insoluble monoazo dye. 2,468,600, Apr. 26.
- Lecher, Hans Z., Plainfield, M. Scalera, Somerville, A. W. Joyce, Plainfield, and W. S. Forster, Maplewood, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing 4-amino-1,8-naphthalic acid imides. 2,474,185, June 21.
- Lecher, Hans Z., Plainfield, R. P. Parker, Somerville, and R. S. Long, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 1,2-disubstituted-3-cyanoguanidines. 2,479,498, Aug. 16.
- Lecher, Hans Z., Plainfield, and R. S. Long, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Alkenylaminoacetonitriles. 2,479,942, Aug. 23.
- Lecher, Hans Z., Plainfield, and D. R. Eberhart, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Alpha thionylaminoanthraquinone and making same. 2,479,943, Aug. 23.
- Lecher, Hans Z., Plainfield, and F. H. Adams, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Alpha naphthalene sulfonic anhydride. 2,483,213, Sept. 27.
- Lecher, Hans Z., Plainfield, and W. S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Making anthraquinone-acridones. 2,492,802, Dec. 27.
- Lechich, George P.: *See—*
Lewon, Rubin, and Lechich.
- Lechtenberg, Joseph A., Kansas City, Mo. Combined motor support and fan guard mounting. 2,478,829, Aug. 9.
- Lechthaler, Charles H.: *See—*
Payne, John W., and Lechthaler.
- Lechthaler, Charles H., J. W. Payne, and P. D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Contacting gases and moving particle form solids. 2,474,199, June 21.
- Lecker, Isaac M., New York, N. Y. Cosmetic brush. 2,480,331, Aug. 30.
- Leckie, Herbert V., Rome, N. Y. Casting electric heating units. 2,483,056, Sept. 27.
- Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Oil or liquid filter. 2,471,069, May 24.
- Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Multifilter assembly for filtering oil or liquids. 2,473,032, June 14.
- Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Centrifuge bowl drive incorporating a pair of clutches. 2,476,377, July 19.
- Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Coupling for rubber, fabric, and like hoses. 2,479,499, Aug. 16.
- Le Clair, Harriette, Brockton, Mass. Glove incorporating a change purse. 2,472,751, June 7.
- Le Claire, Claire D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of chlorine containing resins. 2,476,829, July 19.
- Le Cocq, Charles E.: *See—*
Baker, Harvey, and Le Cocq.
- Le Cocq, Elizabeth, executrix: *See—*
Baker, Harvey, and Le Cocq.
- Le Compte, George C., Arlington, Va., and W. Salkind, Washington, D. C. Wool coring device. 2,492,158, Dec. 27.
- Lecture, Raymond F.: *See—*
Reitz, Charles A., and Lecture.
- Lecuir, René, Paris, France, assignor to Societe Francaise Radio Electrique. Refractory agglomerate and making. 2,491,411, Dec. 13.
- Lecuir, René, Paris, France, assignor to Societe Francaise Radio Electrique. Ceramic product and making. 2,491,412, Dec. 13.
- Ledbetter, James, Miami, Fla. Concrete floor form. 2,490,527, Dec. 6.
- Ledeboer, Johan M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray device. 2,490,140, Dec. 6.
- Lederer, Eugene H., Brooklyn, N. Y. Spray nozzle. 2,486,297, Oct. 25.
- Lederer, Karl M., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Flush type resistor element for temperature measurements. 2,463,984, Mar. 8.
- Lederer, Leonard J., Jr.: *See—*
Lederer, Leonard J., and L. J. Jr.
- Lederer, Leonard J., Clifton, and L. J. Lederer, Jr., Prospect Park, N. J. Dyeing apparatus. 2,488,208, Nov. 15.
- Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. 2,483,368, Sept. 27.
- Ledingham, Harry R., Denver, Colo. Fishing reel. 2,492,587, Dec. 27.
- Ledoux, Arthur T., Littleton, N. H. Draft control for oil burners. 2,473,804, June 21.
- Ledrut, Jules H. T., Saint-Gilles, Belgium. Double camphorate of hyoscyamine and morphine. 2,491,741, Dec. 20.
- Leduc, Wilbur, assignor to American Optical Company, Southbridge, Mass. Cable brace-bar ophthalmic mounting. 2,481,601, Sept. 13.
- Ledwinka, Joseph, assignor to The Budd Company, Philadelphia, Pa. Brake arrangement. 2,481,127, Sept. 6.
- Ledwith, Walter A.: *See—*
Buck, Richard S., and Ledwith.
Kaltinsky, Andrew, and Ledwith.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Auxiliary pump for free-piston units. 2,458,180, Jan. 4.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Bearing and seal assembly for turbines. 2,469,734, May 10.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Diaphragm seal for gas turbines. 2,470,780, May 24.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Manifold for free-piston units. 2,479,045, Aug. 16.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Limiting heat transfer to the turbine rotor. 2,479,046, Aug. 16.
- Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine lubrication means. 2,484,952, Oct. 18.
- Lee, Abe, Utica, N. Y. Assembling the cylinders of a radial engine. 2,484,516, Oct. 11.
- Lee, Albert M., Stanwell, England. Device for projecting pulverized material. 2,491,118, Dec. 13.
- Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Loading machine. 2,481,128, Sept. 6.
- Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Bearing and shaft assembly. 2,483,345, Sept. 27.
- Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Loading machine. 2,483,650, Oct. 4.
- Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic valve. 2,483,651, Oct. 4.
- Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Brake mechanism for rail cars. 2,484,715, Oct. 11.
- Lee, Charles M., assignor to Eastman Kodak Company, Rochester, N. Y. Lens-mount focusing cap. 2,469,691, May 10.
- Lee, Chite S., Detroit, Mich. Forming paper clips. 2,472,711, June 7.
- Lee, Clement T., Cleveland, Ohio. Impact absorbing article of footwear. 2,469,969, May 10.
- Lee, Crawford F.: *See—*
Lee, Orlan S., and C. F.
- Lee, Elmer J., Stroudsburg, Pa. Flint plug magazine. 2,463,981, Mar. 8.
- Lee Engineering Research Corporation, assignee: *See—*
Lee, Royal.
- Lee, Ernest D., Teaneck, and L. S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y. Composition comprising a rubbery copolymer of butadiene and styrene and a resin occurring in Utah resin-bearing coal. 2,461,551, Feb. 15.
- Lee, Ernest D., Teaneck, and R. J. Schebauer, Jr., Union City, N. J., and H. J. Dunn, Hollis, assignors to Interchemical Corporation, New York, N. Y. Oxidation of Utah coal-type resins. 2,488,546, Nov. 22.
- Lee Foundation for Nutritional Research, assignee: *See—*
Lee, Royal.

- Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well cementing apparatus. 2,467,835, Apr. 19.
- Lee, Frank H., Company, The, assignee: *See*—Griffith, Ivor, and Huchberger.
- Lee, Thomas F.
- Lee, George A.: *See*—Smith, Arthur R., Lee, and Hopkins.
- Lee, Gerald L.: *See*—Mahoney, Charles H., and Lee.
- Lee, Gustav A., Spokane, Wash. Door latch. 2,469,601, May 10.
- Lee, Harold D., Baton Rouge, La. Automobile parking aid. 2,492,531, Dec. 27.
- Lee, Harry E., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Valve bag. 2,478,113, Aug. 2.
- Lee, Harry S., Franklin, Mich., assignor to Taylor-Winfield Corporation, Warren, Ohio. Top iced refrigerator with thermostatically controlled air valve. 2,477,756, Aug. 2.
- Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 8,9-benzthiophanthrone. 2,480,746, Aug. 30.
- Lee, Hershal J., Bremerton, Wash. Apron. 2,471,331, May 24.
- Lee, Hoard, Houston, Tex., assignor of one-half to T. S. McFarland, Cook County, Ill. Cigar and cigarette lighter. 2,472,773, June 7.
- Lee, Jess M., Los Angeles, Calif. Heat-treating system. 2,458,084, Jan. 4.
- Lee, John: *See*—Pipia, Giuseppe, and Lee.
Solmsen, Ulrich V., and Lee.
- Lee, John D., Redondo Beach, Calif. Inside thread caliper. 2,470,254, May 17.
- Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Rotating jet device for airfoils. 2,477,461, July 26.
- Lee, John W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Punch for fluting gun-barrel chambers. 2,464,323, Mar. 15.
- Lee, Jonathan O., Richmond, Va. Thermometric alarm switch. 2,460,134, Jan. 25.
- Lee, Joseph O., West Allis, Wis. Moistening machine for wallpaper. 2,483,652, Oct. 4.
- Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Combination pump and valve mechanism. 2,461,827, Feb. 15.
- Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Idle control. 2,465,159, Mar. 22.
- Lee, Leighton, II, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for internal-combustion engines. 2,478,288, Aug. 9.
- Lee, Norman E., Red Bank, N. J. Magnetostrictive rod unit. 2,487,815, Nov. 15.
- Lee, Orlan S. and C. F. Altamont, Kans. Wire tying device. 2,492,228, Dec. 27.
- Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostatic control and indicating device. 2,467,986, Apr. 19.
- Lee, Reuben, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse amplifier. 2,488,417, Nov. 15.
- Lee, Richard A., Bogota, assignor to Bendix Aviation Corporation, Teterboro, N. J. Control unit. 2,489,424, Nov. 29.
- Lee, Richard W., and R. L. Garman, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Voltage regulator tube starter. 2,483,386, Sept. 27.
- Lee, Robert E., Los Angeles, Calif. Instrument supporting device. 2,484,383, Oct. 11.
- Lee, Robert H., Indianapolis, Ind., assignor to D. E. Stearns, Shreveport, La. Electric impulse generator. 2,491,382, Dec. 13.
- Lee, Robert J.: *See*—Wadsworth, Francis T., and Lee.
- Lee, Robert J., Corwith, Iowa. Combine pickup. 2,477,257, July 26.
- Lee, Robert J., La Marque, Tex., assignor to Pan American Refining Corporation, New York, N. Y. Alkylation and catalyst recovery. 2,462,793, Feb. 22.
- Lee, Robert J., La Marque, Tex., and H. D. Radford, Columbia, Mo., assignors to Pan American Refining Corporation, Texas City, Tex. Xylene-benzene conversion. 2,480,939, Sept. 6.
- Lee, Robert S.: *See*—Horton, John F., Jr., and Lee.
- Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Protective means for contacts. 2,474,850, July 5.
- Lee, Royal, Milwaukee, Wis. Electrical apparatus. 2,479,072, Aug. 16.
- Lee, Royal, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Method and apparatus for dehydration. 2,480,146, Aug. 30.
- Lee Rubber & Tire Corporation, assignee: *See*—Carlin, James C., and Lloyd.
Redington, Eugene E.
- Lee, Russell, Wenonah, and F. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Moisture content-temperature correlation in a moving bed catalyst regeneration process. 2,474,198, June 21.
- Lee, Slaughter W., Princeton, assignor to Wallace Laboratories, Inc., New Brunswick, N. J. Penetrating aqueous sulfur composition for the treatment of skin disorders such as acne. 2,459,566, Jan. 18.
- Lee, Thomas E., Decatur, Ga. Ropemaking machine. 2,484,303, Oct. 11.
- Lee, Thomas F., assignor to The Frank H. Lee Company, Danbury, Conn. Hat construction. 2,490,446, Dec. 6.
- Lee, Thomas S., Enterprises, Inc., assignee: *See*—Lubcke, Harry R.
- Lee, William A., Goodland, Ind. Tractor switch. 2,463,980, Mar. 8.
- Lee, William F., and J. B. Allen, Glendale, S. C. Bobbin whirl gear. 2,491,322, Dec. 13.
- Lee, William F., and J. B. Allen, Glendale, S. C. Shaft bearing for roving frames. 2,491,323, Dec. 13.
- Lee, William H., Chagrin Falls, and E. D. Smith, Shaker Heights, assignors to The Electric Products Company, Cleveland, Ohio. Battery charger. 2,463,702, Mar. 8.
- Lee, William R., San Mateo, Calif. Display box. 2,459,565, Jan. 18.
- Leece, John B., University Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Coil shaping machine. 2,476,743, July 19.
- Leece, John B., University Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Coil shaping apparatus. 2,476,744, July 19.
- Leece, John B., University Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Device for gripping, lifting, and handling an annular group of articles such as electrical coils. 2,476,745, July 19.
- Leece-Neville Company, The, assignee: *See*—Leece, John B.
- Leeds and Northrup Company, assignee: *See*—Fitz Gerald, Alan S.
Robertson, Donald.
Seasongood, Albert A.
Tarpley, Raymond E., and Williams.
Williams, Albert J., Jr.
Williams, Albert J., Jr., Tarpley, and Johnson.
- Leeds, Winthrop M.: *See*—Baker, Benjamin P., and Leeds.
Ludwig, Leon R., Baker, and Leeds.
- Leeds, Winthrop M., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,465,240, Mar. 22.
- Leeds, Winthrop M., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,488,131, Nov. 15.
- Leeds, Winthrop M., Forest Hills, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple break circuit interrupter. 2,477,810, Aug. 2.
- Leedy, Charles B., assignee: *See*—Moore, Wilson K.
- Leef, George R., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Dielectric measuring apparatus and method. 2,474,260, June 28.
- Leekley, Robert M., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of dye intermediates. 2,472,666, June 7.
- Lees-Andrews, Robert S., assignor to Bisset Industries Limited, Cheltenham, England. Snap action electric switch. 2,467,939, Apr. 19.
- Lees-Bradner Company, The, assignee: *See*—Bradner, John A.
Warner, Homer C.
- Lees, Harold A., Houston, Tex. Jewelry box. 2,467,138, Apr. 12.
- Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Friction bolster spring. 2,470,172, May 17.
- Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Friction bolster spring. 2,476,200, July 12.
- Leesemann, Charles J. G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Dehydrogenation of hydrocarbons in the presence of a gaseous diluent. 2,461,331, Feb. 8.
- Leesemann, Charles J. G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hydrocarbon emulsion. 2,485,297, Oct. 18.
- Leesemann, Charles J. G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Breaking emulsion. 2,485,298, Oct. 18.
- Leeuwijn, Max: *See*—Bergmans, Jan, Kronouer, and Leeuwijn.
- Leeuwijn, Max, and M. L. Cardozo, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Measuring device comprising a variable potentiometer. 2,476,881, July 19.
- Lefcourt, Murray S., Brooklyn, N. Y. Burglar alarm. 2,491,987, Dec. 20.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Toy pump gun. 2,484,515, Oct. 11.

- Le Fevre, Edward B., Warwick, assignor to Nicholson File Company, Providence, R. I. File. 2,460,513, Feb. 1.
- Lefevre, Martial A., Crepy-en-Valois, France. Arrangement for sawing stones. 2,473,104, June 14.
- Lefevre-Selmer, Henri L., Mantes-la-Ville, France. Pipe joint. 2,490,640, Dec. 6.
- Le Fevre, Walter J.: See—
Britton, Edgar C., and Le Fevre.
- Le Fevre, Walter J., and K. G. Harding, assignors to The Dow Chemical Company, Midland, Mich. Polymeric products derived from diolefins and vinyl aromatic compounds and making same. 2,460,300, Feb. 1.
- Leff, Samuel, Brooklyn, N. Y. Key holder. 2,490,396, Dec. 6.
- Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for contacting subdivided solid contact material with fluid reactants, particularly hydrocarbons. 2,459,824, Jan. 25.
- Leflar, Jerome, assignor to The Master Electric Company, Dayton, Ohio. Balancing device. 2,459,947, Jan. 25.
- Leifer, James L., North Hollywood, and J. E. Leininger, Burbank, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure device. 2,485,753, Oct. 25.
- Lefohn, Rose B., Los Angeles, Calif. Facial mask. 2,477,883, Aug. 2.
- Legare, Francois X. T., Haverhill, Mass. Snips. 2,468,563, Apr. 26.
- Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Slide fastener top stop. 2,483,703, Oct. 4.
- Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Heated catalyst chamber. 2,463,115, Mar. 1.
- Legatski, Harold R., and C. C. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company. Preparation of odorless fractions of highly branched paraffins. 2,468,986, May 3.
- Legg, David A., Philadelphia, Pa., and J. T. Cranmer, Oaklyn, N. J., assignors to Publicker Industries Inc. Recovery of riboflavin. 2,464,243, Mar. 15.
- Legg, David A., and M. M. Rayman, assignors to Publicken Industries, Inc., Philadelphia, Pa. Preparing plastic substances from glycerol-containing fermentation stillage and dicarboxylic acids or anhydrides and products thereof. 2,466,774, Apr. 12.
- Legler, Harry E., Hiawatha, Kans. Color television. 2,465,652, Mar. 29.
- Legler, Lester G., Wallingford, Conn. Water detector for fuel systems. 2,463,703, Mar. 8.
- Le Grand, Jesse S.: See—
Dishal, Milton and Le Grand.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electrostatic heating method and apparatus for vulcanizing rubber and similar material. 2,463,288, Mar. 1.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for producing cellular rubber material. 2,463,289, Mar. 1.
- Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for splicing adhesive sheet material. 2,487,149, Nov. 8.
- Leguillon, Charles W., Akron, Ohio, and F. Slusher, Carpinteria, Calif., assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for splicing strip material. 2,490,692, Dec. 6.
- Lehane, Timothy J.: See—
Gillick, Lawrence H., and Lehane.
Rhodes, Lewis B., and Lehane.
- Lehane, Timothy J., Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Thermodynamically controlled space heater. 2,481,849, Sept. 13.
- Lehane, Timothy J., Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Thermostat control circuit. 2,485,003, Oct. 18.
- Lehane, Timothy J., assignor, by mesne assignments, to Vapor Heating Corporation, Chicago, Ill. Automatic temperature control system. 2,489,652, Nov. 29.
- Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Electric control for bus heating and cooling systems. 2,460,135, Jan. 25.
- Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Apparatus for the control of cooling systems. 2,462,514, Feb. 22.
- Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Weighted average temperature control. 2,476,199, July 12.
- Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Temperature control for railway coaches. 2,478,588, Aug. 9.
- Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Automatic temperature control. 2,488,209, Nov. 15.
- Leher, Louis J., assignor to Steam Torch Corporation, New York, N. Y. Superheating method and apparatus. 2,467,393, Apr. 19.
- Leher, Louis J., assignor to Steam Torch Corporation, New York, N. Y. Vapor superheating system and apparatus. 2,481,760, Sept. 13.
- Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,459,229, Jan. 18.
- Lehman, Irvin H., Kentland, Ind. Elevator boot attachment. 2,488,671, Nov. 22.
- Lehman, Lincoln D., Portland, Oreg., assignor of two-thirds to T. T. Grave, trustee, and O. G. Larson, trustee. Flashlight. 2,490,309, Dec. 6.
- Lehman, Sophie, assignee: See—
Tarshuis, Ralph.
- Lehman, Werner, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Retracting device for wheel excavators. 2,492,159, Dec. 27.
- Lehmann, Ernest W., Brooklyn, N. Y. Faucet spray attachment. 2,487,023, Nov. 1.
- Lehmann, Gerard J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Oscillator tube and circuit. 2,462,876, Mar. 1.
- Lehmberg, William H.: See—
Raymond, James J., and Lehmberg.
- Lehn, John U., Lititz, and H. R. Graybill, Manheim, assignors to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,489,093, Nov. 22.
- Lehner, Ray A., Claremont, N. H., assignor to Joy Manufacturing Company. Drilling apparatus. 2,491,273, Dec. 13.
- Lehnert, Wayne, Peotone, Ill. Variable ratio drive. 2,481,315, Sept. 6.
- Lehnher, June L., Newton, Kans., assignor of one-third to A. I. Kegan, Chicago, Ill. Cutting device. 2,473,756, June 21.
- Lehr, David, New York, N. Y. Therapeutic sulfonamide compositions. 2,484,174, Oct. 11.
- Lehr, David, New York, N. Y. Therapeutic sulfonamide compositions. 2,484,175, Oct. 11.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Friction damped truck. 2,481,475, Sept. 6.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed car truck. 2,485,970, Oct. 25.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,972, Oct. 25.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,485,973, Oct. 25.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,974, Oct. 25.
- Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,490,738, Dec. 6.
- Lehto, Eino: See—
Anderson, Edward J., Lehto, and Saari.
- Lehwald, David C.: See—
Nixon, Alan C., Lehwald, and Cheney.
- Leibe, Frank A., Quakertown, Pa., and B. B. Mahler, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Modulator. 2,474,261, June 28.
- Leibing, William E., and R. D. Fageol, assignor, by mesne assignments, to R. D. Fageol Co., Detroit, Mich. Flexible drive. 2,491,820, Dec. 20.
- Leich Electric Company, assignee: See—
Boawau, Hans P., and Reid.
Reid, Alexander C., and Blackhall.
- Leiger, Stanley I., Auburn, N. Y. Bubble level support. 2,468,215, Apr. 26.
- Leigh, Ethel M., Lyndhurst, N. J. Moving picture toy. 2,469,602, May 10.
- Leigh, Robert L., Grand Rapids, assignor to Air Control Products, Inc., Coopersville, Mich. Air conditioning system and register. 2,483,704, Oct. 4.
- Leighton, Harvey T., Big Bend, Wis. Fur stretcher. 2,485,242, Oct. 18.
- Leighton, Herndon W., Hackensack, assignor to Allen B. du Mont Laboratories, Inc., Passaic, N. J. Deflection system for cathode-ray tubes. 2,488,132, Nov. 15.
- Leighton, James A., West Bridgewater, assignor to Glenwood Range Company, Taunton, Mass. Adjustable broiler. 2,477,305, July 26.
- Leighton, Jasper E., Pittsfield, Maine. Bait can. 2,466,447, Apr. 5.
- Leighton, John W., Port Huron, Mich. Steering linkage. 2,464,982, Mar. 22.
- Leighton, Leroy G.: See—
Van Horn, Irving H., and Leighton.
- Leighton, Leroy G., Cleveland, Ohio, assignor to General Electric Company. Filament connection for electric incandescent lamps. 2,462,325, Feb. 22.
- Leighton, Leroy G., Cleveland, Ohio, assignor to General Electric Company. Electric projection lamp. 2,476,671, July 19.
- Leiman, Marcel J., Brooklyn, N. Y. Diamond polishing adjusting device. 2,484,574, Oct. 11.
- Lein, August A., Harrington Park, N. J. Wall fixture attaching device. 2,491,742, Dec. 20.
- Leininger, James E.: See—
Leifer, James L., and Leininger.
- Leininger, Paul M., Grand Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carburlizing steel articles. 2,492,803, Dec. 27.

- Leininger, Paul M., Grand Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Casehardening steel. 2,492,804, Dec. 27.
- Leininger, Paul M., Grand Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Casehardening composition. 2,492,805, Dec. 27.
- Leininger, Robert I., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl resin composition. 2,476,422, July 19.
- Leischner, Georg, Interlaken, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Method and apparatus for drying solid articles by heating and cooling. 2,463,782, Mar. 8.
- Leishman, Le Roy J., Los Angeles, Calif. Tuning device. 2,480,375, Aug. 30.
- Leistner, Frank G.: *See—*
Garrison, Ora H., and Leistner.
- Leiter, Harry H., assignee: *See—*
Levinthal, Daniel H.
Longfellow, Earl E.
- Leitch, John D., Shaker Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Lifting magnet. 2,476,049, July 12.
- Leitch, John D., Shaker Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for an induction motor and braking generator combination. 2,488,210, Nov. 15.
- Leitner, Richard G., Los Angeles, Calif., assignor to F. Rieber, New York, N. Y., L. G. Rieber executrix of said F. Rieber, deceased. Sound translating device. 2,478,538, Aug. 9.
- Leitner, Richard G., Los Angeles, Calif., assignor to F. Rieber, New York, N. Y., L. G. Rieber executrix of said F. Rieber, deceased. Spiral sound record strip. 2,478,539, Aug. 9.
- Leitner, Richard G., Los Angeles, Calif., assignor to F. Rieber, New York, N. Y., L. G. Rieber, executrix of said F. Rieber, deceased. Phonograph with moving stylus and stationary record. 2,486,661, Nov. 1.
- Leitner, Richard G., Los Angeles, Calif., assignor to F. Rieber, New York, N. Y., L. G. Rieber, executrix of said F. Rieber, deceased. Phonograph with moving stylus and stationary record. 2,486,662, Nov. 1.
- Leitz, William H.: *See—*
Dana, Charles A., and Leitz.
- Leitzel, Raymond H.: *See—*
Ludwig, Leon R., Wilcox, and Leitzel.
- Leitzel, Raymond H., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,467,756, Apr. 19.
- Le Jeune, Frank H., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Making brake drums. 2,476,151, July 12.
- Lekas, John P., Detroit, Mich. Multitone keyer. 2,492,160, Dec. 27.
- Lektra Laboratories, Inc., assignee: *See—*
Eisenberg, Ben, and Schwarz.
- Leland Electric Company, The, assignee: *See—*
Briggs, Eugene C.
George, Earl B., Wallace, and Waters.
- Leland, George H., Dayton, Ohio. Bomb shackle and release. 2,473,597, June 21.
- Leland, George H., Dayton, Ohio. Fabricated rotary solenoid. 2,473,598, June 21.
- Leland, George H., Dayton, Ohio. Boring machine. 2,477,934, Aug. 2.
- Leland-Gifford Company, assignee: *See—*
Allen, Edward K., Jr.
- Leland, Hollis L.: *See—*
Morway, Arnold J., and Leland.
- Leland, Hollis L., Cranford, N. J., assignor to Standard Oil Development Company. Metalworking lubricant. 2,467,137, Apr. 12.
- Leland, Hollis L., Cranford, N. J., assignor to Standard Oil Development Company. Cutting fluid. 2,470,405, May 17.
- Leland Stanford Junior University, The, Board of Trustees, assignee: *See—*
Hansen, William W.
Hansen, William W., and Varian.
Hansen, William W., and R. H. and S. F. Varian.
Varian, Russell H.
- Lellep, Otto G., Berkeley, Calif. Process and apparatus for burning cement and like materials. 2,466,601, Apr. 5.
- Lelong, Donald, Essex Fells, N. J. Windshield construction for vehicles. 2,464,696, Mar. 15.
- Lelong, Jean, Clave Souilly, assignor to Procèdes Sauter, Paris, France. Arch heating system for electrical apparatus. 2,489,189, Nov. 22.
- Lelong, Jean, Clave Souilly, assignor to Procèdes Sauter, Paris, France. Electric heating element. 2,489,190, Nov. 22.
- Le Lous, Jean F., Dijon, France. Surgical dressing element. 2,481,316, Sept. 6.
- Lemaigre-Voreaux, Pierre: *See—*
Penon, Rene, and Lemaigre-Voreaux.
- Lemaire, Edouard A., Grenoble, France, assignor to Société Anonyme "La Mure"—Combustibles et Industrie. Furnace plant for consuming raw coal dust. 2,479,376, Aug. 16.
- Leman, Arthur L., Houston, Tex. Reciprocating pump piston and assembly. 2,473,064, June 14.
- Le Mare, Alfred H., Saint Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Repeatedly cutting off a predetermined length of glass from a moving ribbon of glass. 2,487,932, Nov. 15.
- Lemay, Albert E., Bath, Maine. Pivoted bender with autument roller adjustably mounted on vertically inclined bracket. 2,470,036, May 10.
- Lemley, John, E. F. Hill, and R. A. Mueller, assignors to Gray Tool Company, Houston, Tex. Well head equipment. 2,485,497, Oct. 18.
- Lemmel, Paul T., Madison, Wis., assignor to The Borden Company, New York, N. Y. Sealing empty cans. 2,471,332, May 24.
- Lemmens, Hendricus J.: *See—*
Dorgelo, Eduard G., and Lemmens.
- Lemmens, Hendricus J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Making glass bodies comprising a tubular glass member. 2,490,528, Dec. 6.
- Lemmens, Jan F.: *See—*
Ruys, Antonie H., and Lemmens.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Positive column lamp. 2,459,567, Jan. 18.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Circuit and starter for electric discharge devices. 2,479,173, Aug. 16.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Flat tube electrical device. 2,482,421, Sept. 20.
- Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Modulable electric discharge lamp. 2,491,567, Dec. 20.
- Lemmon, Alexis W., Upper Arlington, and O. R. Strawn, Columbus, Ohio, assignors, by mesne assignments, to The Jeffrey Manufacturing Company. Reversible crusher with pivotally adjustable chute and breaker plates. 2,482,279, Sept. 20.
- Lemmon, Norman E.: *See—*
Bransky, David W., and Lemmon.
Langan, Eugene E., Lemmon, and Schuessler.
- Lemon, Cecil G., assignor to Tenaplas Limited, London, England. High-frequency cable. 2,488,211, Nov. 15.
- Lemon, Joseph R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Drive transmitting device. 2,478,289, Aug. 9.
- Lemonier, Camille R., Miami Beach, Fla., and R. E. Waldron, Bowling Green, Ky., assignors to Curtiss-Wright Corporation. Control surface balancing means. 2,473,830, Aug. 9.
- Lemos, Manuel G., New York, N. Y. Line producing device for typewriters. 2,471,757, May 31.
- Le Moyné, Guy P., Fort Myers, Fla. Device for compounding mixed drinks. 2,468,987, May 3.
- Lempert, Irving E.: *See—*
Feldt, Rudolf, and Lempert.
- Lems, Hendrik, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,465,732, Mar. 29.
- Lenahan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Telemetering system. 2,465,241, Mar. 22.
- Lenahan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single side-band system. 2,476,880, July 19.
- Leng, Valentin M., Berkeley, Calif. Trimming machine. 2,480,747, Aug. 30.
- Leniz, Joe A., assignor to Dulcinaire Industries, Inc., Reno, Nev. Thimble screw driver set. 2,482,350, Sept. 20.
- Lennan Lights, Inc., assignee: *See—*
Phillips, Eugene H.
- Lennard, Thomas E., Portland, Oreg. Truck dolly. 2,472,952, June 14.
- Lenning, Alvar, Stockholm, assignor to Bolinders Fabriks Aktiebolag, Kallhäll, Sweden. Gas heat exchanger. 2,492,298, Dec. 27.
- Lennon, Robert J.: *See—*
Gentry, George C., and Lennon.
- Lennon, Thomas E., Louisville, Ky. Steam or hot-water boiler. 2,490,693, Dec. 6.
- Lennox, Eva M., Hartford, Conn. Holder for and package of dental articles. 2,484,627, Oct. 11.
- Lennox Furnace Co., The, assignee: *See—*
Booth, Roger W.
- Lenny, George W., Jr., and P. E. Ward, United States Naval Reserve. Pulse discrimination system. 2,482,782, Sept. 27.
- Lens, Georges X.: *See—*
Kozma, Ladislav, and Lens.
- Lenta, Joseph G.: *See—*
Fisketti, Henry D., and Lenta.
- Lenta, Joseph G., Duluth, Minn. Hopper discharge expediter. 2,486,298, Oct. 25.
- Lentell, John H.: *See—*
Endsley, Louis E., Schettler, and Lentell.
- Lentz, George W., Pittsfield, Mass., assignor to General Electric Company. Combined core and coil clamp. 2,466,448, Apr. 5.
- Lentz, Lawrence R., Millersport, Ohio. Filter. 2,492,704, Dec. 27.

- Lenz, John L., assignee: *See*—
Muller, Johan A.
- Lenz, Lionel C., assignor to S. Pass, Chicago, Ill. Slip cover. 2,459,328, Jan. 18.
- Lenzen, Frederick, and J. G. Jackson, assignors to Eastman Oil Well Survey Company, Denver, Colo. Inclination indicating instrument. 2,479,377, Aug. 16.
- Leo Corporation, assignee: *See*—
Lyons, Willard E.
- Leo, Herbert T., and C. C. Taylor, Anaheim, Calif. Producing pectous jellies. 2,483,548, Oct. 4.
- Leo, Herbert T., and C. C. Taylor, Anaheim, Calif. Preparation of pectous jellies. 2,483,549, Oct. 4.
- Leo, Herbert T., C. C. Taylor, and J. W. Lindsey, Anaheim, Calif. Making high sugar content jellies. 2,483,550, Oct. 4.
- Leominster Tool Co., Inc., assignee: *See*—
Caron, Ludger J.
Cossette, Albert F.
- Leon, Isolina I., assignee: *See*—
Leon, Leonardo I.
- Leon, Leonardo I., assignor to I. I. Leon, Massapequa, N. Y. Curl clip. 2,467,487, Aug. 19.
- Leon, Richard R., Elsmere, Del. Upholstered furniture structure. 2,481,761, Sept. 13.
- Leonard, Alfred H., San Diego, Calif., and J. H. Blandford, Twin Falls, Idaho. Aircraft wing mounting. 2,461,747, Feb. 15.
- Leonard, Carl H., Wakefield, assignor of one-half to P. J. Ashford, Winnebago, Nebr. Oil can. 2,465,023, Mar. 22.
- Leonard, Caswell L., assignor of one-half to J. H. Kail, Memphis, Tenn. Animal trap. 2,470,858, May 24.
- Leonard, David E., assignor to American Machinery Corporation, Orlando, Fla. Can cooling machine. 2,477,992, Aug. 2.
- Leonard, Eugene V.: *See*—
Schreiner, Louis W., and Leonard.
- Leonard, George H., Fairfield, Conn. Apparatus for testing fluid operated switches. 2,490,821, Dec. 13.
- Leonard, John, West New York, and W. Trenkamp, Hoboken, N. J. Brush holder. 2,460,136, Jan. 25.
- Leonard, John E., Perry Township, Franklin County, and A. E. Bearse, Grandview, Ohio, assignors, by mesne assignments, to Standard Oil Company, Chicago, Ill. Dehydrohalogenation. 2,490,973, Dec. 13.
- Leonard, John T., Evanston, Ill. Double-acting pump. Re. 23,122, June 14.
- Leonard, John T., Evanston, Ill. Lubricant compressor. 2,461,332, Feb. 8.
- Leonard, John T., Evanston, Ill. Valve apparatus. 2,468,674, Apr. 26.
- Leonard, John T., Evanston, Ill. Lubricant measuring device. 2,468,675, Apr. 26.
- Leonard, Lloyd H., New York, N. Y. Variable-attitude helicopter-airplane. 2,479,125, Aug. 16.
- Leonard, Radford: *See*—
Drieschman, Donald F., and Leonard.
- Leonard, Ward Electric Company, assignee: *See*—
Lozan, Frank G.
Steinitz, Stephen.
- Leone, Otto J., West Newton, Pa., assignor to The Bristol Company, Waterbury, Conn. Determination and control of moisture content in gaseous media. 2,489,455, Nov. 29.
- Leong, Kim K., San Francisco, Calif. Knife sharpener. 2,461,690, Feb. 15.
- Leopold, John N., Staten Island, N. Y. Shield for electric wall sockets. 2,462,756, Feb. 22.
- Leounes, Nicholas P., Wilmington, Del. Artist's maulstick. 2,492,385, Dec. 27.
- Lepage, Lucien, Rimouski, and J. A. De Champlain, Quebec, Quebec, Canada. Mechanical inner tube. 2,488,632, Nov. 22.
- Lepine-Williams, Basil H., Coventry, England. Electric welding apparatus. 2,481,317, Sept. 6.
- Le Poole, Jan B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron microscope. 2,485,754, Oct. 25.
- Lepore, Pasquale J., Somerville, assignor to Sylvania Electric Products Inc., Salem, Mass. Assembly clamp for lamp holders. 2,465,326, Mar. 22.
- Lepper, Edwin P., Springfield, Mass. Toy signal device. 2,486,299, Oct. 25.
- Lepper, Edwin P., Springfield, Mass. Toy bank. 2,490,275, Dec. 6.
- Lepsoe, Robert, Trill, British Columbia, assignor to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Electric furnace. 2,487,770, Nov. 8.
- Lerch, Brooke W., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for braiding. 2,462,515, Feb. 22.
- Lerma, Stephen, Flushing, N. Y. Shock cushioning pneumatic press. 2,482,280, Sept. 20.
- Lerman, Joseph, Brooklyn, N. Y. Corner wall lamp. 2,469,072, May 3.
- Lerner, Earl A., Chicago Heights, Ill., assignor to American Brake Shoe Company, New York, N. Y. Conveyor carrier blades with equalizer tops. 2,470,253, May 17.
- Lerner, Louis L., assignor to Consolidated Royal Chemical Corporation, Chicago, Ill. Manufacture of condensation products. 2,476,609, July 19.
- Le Roi Company, assignee: *See*—
Feucht, Albert.
Hoffar, Henry S.
- Le Roy, Gene, South Charleston, W. Va. Sight glass assembly. 2,461,989, Feb. 15.
- Leroy, Gene, South Charleston, W. Va. Boiler tube test plug. 2,475,748, July 12.
- Le Roy, Norman H.: *See*—
Counts, Ewell C., and Le Roy.
- Leroy, Robert P., Paris, France. Phase reversal telegraph system. 2,471,333, May 24.
- Leroy, Robert P., assignor to Compagnie Generale D'Electricite, Paris, France. Double-current audio-frequency telegraphic transmission system. 2,486,041, Oct. 25.
- Lerstrup, Karl, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric arc extinguishing means. 2,477,189, July 26.
- Lerstrup, Karl, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas blast circuit breaker. 2,491,821, Dec. 20.
- Lesavoy, I. Lawrence, Allentown, Pa. System of finishing plastic sheets. 2,483,584, Oct. 4.
- Lescaze, William, assignor to Hope's Windows, Inc., New York, N. Y. Exterior sliding window. 2,485,296, Oct. 18.
- Lesesne, Sherman D., assignor to Graton & Knight Company, Worcester, Mass. Flat power transmission belt. 2,491,188, Dec. 13.
- Lesigne, Henri L., Vanves, France. Contact-making device for electrical appliances. 2,486,042, Oct. 25.
- Leslie, Donald J., Wilmar, Calif. Rotatable tremulant sound producer. 2,489,653, Nov. 29.
- Leslie, Ireland H., Glen Ellyn, Ill. Roof ventilator. 2,490,220, Dec. 6.
- Leslie, John F., Mishawaka, Ind. Buffing wheel. 2,460,588, Feb. 1.
- Leslie, John H., II, Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Thermostatic control. 2,477,757, Aug. 2.
- Lesnick, Robert N.: *See*—
Matson, Leslie E., and Lesnick.
- L'Esperance, Louis, and H. A. Schneider, Madison, Wis. Propeller dolly. 2,468,884, May 3.
- Les Produits de Beaute Pauline Bazine, assignee: *See*—
Seassau, Marceau.
- Less, Albert J.: *See*—
Less, Joseph W. and A. J.
- Less, Joseph W., Clinton, and A. J. Less, Cedar Rapids, Iowa. Collar attachment. 2,476,101, July 12.
- Lessard, Maurice J., Grand Forks, N. Dak. Manicuring device. 2,472,667, June 7.
- Lessels, Virgil: *See*—
McKenna, William J., and Lessels, and Peterson.
- Lesser, Henry J., Seattle, Wash. Fishline sinker. 2,470,995, May 24.
- Lessmann, Gerhard P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush holder. 2,479,378, Aug. 16.
- Lestakis, Christy N., Portland, Ore. Shoe stitching machine. 2,471,877, May 31.
- Lester Engineering Company, assignee: *See*—
Lester, Nathan.
Lester, Nathan, and Schwartz.
- Lester, Nathan, Shaker Heights, and W. H. Schwartz, assignors to Lester Engineering Company, Cleveland, Ohio. Injection molding apparatus. 2,465,889, Mar. 29.
- Lester, Nathan, Shaker Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Link mechanism for pressure casting machines. 2,475,394, July 5.
- Lester, Nathan, Shaker Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Injection molding machine. 2,475,395, July 5.
- Lester, Nathan, Shaker Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Casting apparatus. 2,475,396, July 5.
- Lester, Ray F.: *See*—
Bissell, Carl H., and Lester.
- Lester, Raymond H., Pittsburgh, Pa., and M. C. Cannon, Aurora, assignors to Elgin National Watch Company, Elgin, Ill. Method and apparatus for producing sapphire hollow articles. 2,471,437, May 31.
- Lestl, Arnold, assignor to Stromberg-Carlson Company, Rochester, N. Y. Telephone circuit. 2,487,455, Nov. 8.
- Leston, Theodore I., and W. B. Kriewall, assignors to Eutectic Welding Alloys Corporation, New York, N. Y. Welding rod marking machine. 2,470,707, May 17.
- Le Suer, William M.: *See*—
Campagne, Ernest E., and Le Suer.
- Lesueur, Jules M., Sevres, France. Internal grinding apparatus. 2,475,791, July 12.
- Lesuk, Alex, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Preparation of cholinesterase. 2,475,793, July 12.
- Lesuk, Alex, Glenmont, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Stabilized cholinesterase. 2,475,792, July 12.

- Les Usines De Melle (Societe Anonyme), assignee: *See*—
Alheritiere, Louis.
Guinot, Henri M.
Guinot, Henri M., and Buret.
Maignon, Maurice and Chassaing.
Letac, Roger, Marseille, France. Sterilized and air-conditioned chamber for surgical uses. 2,473,033, June 14.
Leterman, Leonard D., Chicago, Ill. Jack. 2,465,653, Mar. 29.
Letoile, George O., Pawtucket, R. I. Metal chopper for presses or the like. 2,475,747, July 12.
Le Tourneau, R. G., Inc., assignee: *See*—
Hyler, John H.
Le Tourneau, Robert G.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Induction motor rotor. 2,462,516, Feb. 22.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Voltage regulator. 2,482,588, Sept. 20.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Apron assembly for earthworking scrapers. 2,491,988, Dec. 20.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Tire and rim assembly. 2,466,449, Apr. 5.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Building construction. 2,469,603, May 10.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Endless track. 2,474,057, June 21.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Subsurface ripper. 2,475,146, July 5.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Scraper control. 2,477,811, Aug. 2.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Screw and nut actuator. 2,481,129, Sept. 6.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Self-loading scraper. 2,490,310, Dec. 6.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Cement mixer. 2,492,299, Dec. 27.
Letvin, Samuel: *See*—
Bonvillian, Claude A., Brierly, and Letvin.
Brierly, Ralph C., and Letvin.
Letvin, Samuel, New York, N. Y. Firing device for combustion apparatus. 2,480,147, Aug. 30.
Leuliette, Henri G. A., Paris, France. Manufacture of stockings and the like. 2,485,004, Oct. 18.
Leum, Leonard N., Bywood, and S. J. Macuga, Lansdowne, Pa., and S. I. Kreps, Bronx, N. Y., assignors to The Atlantic Refining Company, Philadelphia, Pa. Production of aliphatic ethers. 2,480,940, Sept. 6.
Leupold & Stevens Instruments, assignee: *See*—
Stevens, John C.
Leutheuser, Andrew, Somerset, Mich. Apparatus for raising and lowering shelving out of and into storage cabinets. 2,490,694, Dec. 6.
Leutheuser, Andrew, Somerset, Mich. Hydraulic die. 2,490,695, Dec. 6.
Lev, Harry, Chicago, Ill. Clinching machine. 2,476,050, July 12.
Lev, Harry, Chicago, Ill. Garment hanger. 2,476,051, July 12.
Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Valve seat. 2,484,102, Oct. 11.
Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Valve. 2,484,628, Oct. 11.
Le Van, Ambrose E., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Air charging control. 2,479,012, Aug. 16.
Le Van, James D.: *See*—
Hall, William M., and Le Van.
LeVasseur, Joseph A., Toronto, Ontario, Canada. Fluid dispenser adapted to perforate containers. 2,468,499, Apr. 26.
Levelor Corporation, assignee: *See*—
Grimm, Frederick.
Peavey, Harry N.
Levenhagen, Arthur J., Chicago, and W. J. Champion, La Grange, assignors to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,465,160, Mar. 22.
Leventhal Patents, Inc., assignee: *See*—
McGinty, Luther W.
Lever Brothers Company, assignee: *See*—
Bodman, John W.
Henderson, Lloyd F.
Henderson, Lloyd F., and Libby.
James, Edward M.
Penny, Thomas.
Wilson, Arthur D., and Dalziel.
Ziels, Norbert W., and Schmidt.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray indicator system. 2,468,452, Apr. 26.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Radar indicator. 2,468,714, Apr. 26.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Phosphor materials. 2,470,173, May 17.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Phosphor. 2,470,627, May 17.
Leverenz, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. High efficiency blue-emitting zinc cadmium sulfo-selenide phosphor. 2,477,070, July 26.
Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Manufacture of luminescent materials. 2,462,517, Feb. 22.
Levering, William C., East Orange, N. J. Sliding fastener. 2,483,057, Sept. 27.
Le Vesconte, Harold J.: *See*—
Christensen, Norman V., Le Vesconte, and Schweda.
Le Vesconte, Harold J., Glendale, Calif., and O. Quist, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,470,502, May 17.
Levesque, Charles L., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of thioacetamides. 2,489,094, Nov. 22.
Levesque, H. Don, assignee: *See*—
Pelletier, Dominique J.
Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Cooling device by vaporization for internal-combustion engines. 2,458,609, Jan. 11.
Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Centrifugal switch device. 2,473,343, June 14.
Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Device for the self-adjustment of the height of motor vehicles above the ground. 2,490,311, Dec. 6.
Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Load responsive relay for the control of brakes. 2,490,641, Dec. 6.
Levetus, Francis B., Allesley, Coventry, and E. H. Johnson, Coventry, assignors to The Keelavite Company Limited, Allesley, Coventry, England. Rotary engine, pump, and the like. 2,483,705, Oct. 4.
Levey, Fred'k H., Co., Inc., assignee: *See*—
Cohoe, Wallace P., and Saslaw.
Cohoe, Wallace P., and Wilson.
Sanders, Francis A.
Levey, Maurice, Yonkers, N. Y. Electric iron and stand. 2,485,299, Oct. 18.
Levi, Roberto, New York, assignor, by mesne assignments, to Phillips Laboratories, Inc., Irvington on Hudson, N. Y. Oxide insulating coating for nickel chromium resistance wire. 2,465,105, Mar. 22.
Levi, Samuel J., Birmingham, England. Cigarette and cigar case. 2,482,920, Sept. 27.
Levioldi, Andres: *See*—
Labin, Edouard, Levioldi, and Ziegler.
Levin, Abraham J., Franklin, Mich. Reciprocal buoyancy lift. 2,470,312, May 17.
Levin, Abraham J., Franklin, Mich. Accelerated variable buoyancy lift. 2,470,313, May 17.
Levin, Claude C., Jacksonville, Fla. Shirt and trouser holder. 2,462,409, Feb. 22.
Levin, Henry H., Newark, N. J. Paper cutter. 2,471,334, May 24.
Levin, Irvin, Asbury Park, N. J. Rectifier. 2,469,393, May 10.
Levin, Jacob, assignor of one-fourth to A. E. and F. E. Fineman, and fifteen per cent to H. Diamond, Pittsburgh, Pa. Toy blocks. 2,483,833, Oct. 4.
Levin, Leon, New York, N. Y. Garment hanger. 2,464,324, Mar. 15.
Levine, Arnold J., Cincinnati, Ohio, now by change of name J. A. Lindon. Skirt hanger. 2,458,997, Jan. 11.
Levine, Arnold M.: *See*—
Grieg, Donald D., Levine, and Dubin.
Grieg, Donald D., Levine, and Moskowitz.
Labin, Emile, Grieg, and Levine.
Levine, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic silicon compounds. 2,478,493, Aug. 9.
Levine, David I., Swampscott, assignor to Spring Unit Development Co., Lynn, Mass. Spring assembly. 2,465,333, Mar. 22.
Levine, Herbert B., assignee: *See*—
Solana, Carlos G., and Casingena.
Levine, Irving E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Oxidation of organic compounds. 2,474,001, June 21.
Levine, Irving E., and W. G. Toland, Jr., Berkeley, assignors to California Research Corporation, San Francisco, Calif. Production of methyl vinyl ketone. 2,464,244, Mar. 15.
Levine, Irving E., and W. H. Claussen, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Producing dicarboxylic acid anhydrides. 2,474,002, June 21.

- Levine, Irving E., and L. T. Folsom, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Polymerization process. 2,484,384, Oct. 11.
- Levine, Sam W., assignee: *See*—
Korth, William J.
- Levine, Samuel J., West Orange, N. J., assignor to General Electric Company. Liquid level responsive hydrodynamic fail safe control. 2,468,119, Apr. 26.
- Levine, Samuel J., West Orange, N. J., assignor to General Electric Company. Automatic inverse modulation valve. 2,470,503, May 17.
- Levine, Sanford, assignee: *See*—
Morset, Palmer J.
- Levine, Seymour M., Freehold, N. J. Poultry watering system. 2,492,806, Dec. 27.
- Levinson, George, New York, N. Y. Locking means for cases, containers, and the like. 2,472,486, June 7.
- Levinson, Isidore, Brooklyn, N. Y. Pipe putty composition. 2,466,450, Apr. 5.
- Levinson, Sidney O., and F. Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation. Dehydration device. 2,459,329, Jan. 18.
- Levinson, Sidney O., and F. Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation. Making irradiation chambers. 2,476,152, July 12.
- Levinthal, Daniel H., Beverly Hills, Calif., assignor to H. H. Leiter, Warsaw, Ind. Surgical retractor. 2,492,489, Dec. 27.
- Levis, Irene B., Cleveland Heights, Ohio. Lecithin-metal compound. 2,465,733, Mar. 29.
- Leviton Limited, assignee: *See*—
Thornhill, Peter W.
- Leviton, Abraham, Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture. Separation of proteins from milk products. 2,460,891, Feb. 8.
- Leviton, Abraham, Washington, D. C., assignor to United States of America as represented by the Secretary of Agriculture. Microbiological production of riboflavin. 2,477,812, Aug. 2.
- Levitt, Arnold, Dorchester, Mass. One-piece cover for telephone receivers. 2,489,425, Nov. 29.
- Levkoff, David, Great Neck, N. Y. Folding box setup machine. 2,464,407, Mar. 15.
- Levy, Barnett, London, England. Pattern milling machine. 2,489,533, Nov. 29.
- Levy Bros. & Adler Rochester, Inc., assignee: *See*—
Levy, Earle E.
- Levy, Earle E., Pittsford, assignor to Levy Bros. & Adler Rochester, Inc., Rochester, N. Y. Detachable lining for coats. 2,483,015, Sept. 27.
- Levy, Felix, Cagnes-sur-Mer, France. Self-loading vehicle. 2,492,364, Dec. 27.
- Levy, Frank P., Lancaster, Pa. Rotary actuated humidifier. 2,465,890, Mar. 29.
- Levy, Gustave, Maplewood, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Luminescent screen. 2,475,330, July 5.
- Levy, Harold, and R. Daniels, assignors, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. Esters of 2,3-epoxypropylmalonic acid and their preparation. 2,464,137, Mar. 8.
- Levy, Hilton B.: *See*—
Wallerstein, James S., Schade, and Levy.
- Levy, Irving: *See*—
Billet, Philip, and Levy.
- Levy, Irving M.: *See*—
Shewmon, Ralph K., and Levy.
- Levy, Lucien, Paris, France, vested in the Attorney General of the United States. Radio direction finder. 2,475,190, July 5.
- Levy, Marion I., Cleveland, Ohio. Bearing bracket. 2,474,151, June 21.
- Levy, Marion I., Cleveland, Ohio. Directional air flow louver. 2,474,152, June 21.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Synchronized pulse generator. 2,462,109, Feb. 22.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Demodulation of time-modulated electrical pulses. 2,462,110, Feb. 22.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Multichannel pulse distributor system. 2,462,111, Feb. 22.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic valve circuit. 2,468,087, Apr. 26.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Receiver for electrical pulses. 2,476,985, July 26.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Multichannel time modulated electrical pulse communication system. 2,489,302, Nov. 29.
- Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Generating time modulated electrical pulses. 2,492,161, Dec. 27.
- Levy, Milton C., Chicago, Ill. Fluorescent lamp and assembly therefor. 2,472,597, June 7.
- Levy, Robert M., Brevard, N. C., assignor to Ecusta Paper Corporation. Sampling device. 2,459,383, Jan. 18.
- Levy, Robert M., and J. E. Brennan, Brevard, N. C., assignors to Ecusta Paper Corporation. Catalytic bleaching with chlorites. 2,477,631, Aug. 2.
- Levy, Robert M., and J. E. Brennan, Brevard, N. C., assignors to Ecusta Paper Corporation. Catalytic bleaching process. 2,480,148, Aug. 30.
- Levy, Sabine, Stoken Church, assignor to Caprice Limited, London, England. Corset and wearing apparel of similar character. 2,458,279, Jan. 4.
- Lew, Harold, Brooklyn, N. Y. Knockdown sheet metal cabinet. 2,461,219, Feb. 8.
- Lew Mfg. Co., assignee: *See*—
Lanoie, Raymond A.
- Lewandowski, Frank B., Detroit, Mich. Putty knife. 2,472,668, June 7.
- Lewandowski, Frank B., Detroit, Mich. Hand drill. 2,479,750, Aug. 23.
- Lewelling, Fred E., assignee: *See*—
Jackson, Herman H.
- Lewin, Gerhard, Geneva, Ill., assignor to American Electro Metal Corporation, Yonkers, N. Y. Electrical heating element. 2,481,229, Sept. 6.
- Lewin, Gunnar E. W., Klinten, near Stockholm, Sweden. Sarcrow. 2,488,509, Nov. 15.
- Lewin, Gunnar E. W., Lidingo, near Stockholm, Sweden. Sarcrow. 2,488,510, Nov. 15.
- Lewin, Henry N., Hamilton, Ontario, Canada. Die press. 2,465,734, Mar. 29.
- Lewin Road Sweepers Limited, assignee: *See*—
Dear, Alexander T. C.
- Lewis, Ada V., Baltimore, Md. Arm support. 2,460,589, Feb. 1.
- Lewis, Albert M., Detroit, Mich. Lid lifter and carrier. 2,471,878, May 31.
- Lewis, Albert M., and P. B. Weiler, Detroit, Mich. Collapsible box. 2,470,174, May 17.
- Lewis, Alfred H.: *See*—
Taylor, Floyd E., and Lewis.
- Lewis, Alfred H., Huntington Woods, and K. Sheren, Dearborn, Mich., assignors to Swift Electric Welder Company. Chain welding and chain welding machines. 2,464,875, Mar. 22.
- Lewis, Allen H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Aryl substituted alkanes and making the same. 2,477,382, July 26.
- Lewis, Allen H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Sulfonated detergent and its preparation. 2,477,383, July 26.
- Lewis, Arnold D.: *See*—
Schwarzkopf, Otto, and Lewis.
- Lewis, Carl B.: *See*—
Edwards, Martin A., and Lewis.
- Lewis, Charles E., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Metallizable benzimidazole azo dyestuffs. 2,475,506, July 5.
- Lewis, Charles E., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Metallized benzimidazole azo dyestuffs. 2,479,944, Aug. 23.
- Lewis, Charles P., and T. H. Cureton, assignors to F. C. Huebner, Fresno, Calif. Binder for loading cars. 2,474,949, July 5.
- Lewis, Charles T., Oklahoma City, Okla. Cable connector. 2,463,116, Mar. 1.
- Lewis, Clair, Galveston, Tex. Rivet setting and removing tool. 2,491,119, Dec. 13.
- Lewis, Clay E.: *See*—
Boynton, Wentworth D., Lewis, and Page.
Gambrill, Richard D., and Lewis.
Henning, George E., and Lewis.
- Lewis, Dartrey, assignor to John A. Roebbling's Sons Company, Trenton, N. J. Method and apparatus for grinding rod and wire. 2,459,707, Jan. 18.
- Lewis Engineering Company, The, assignee: *See*—
Knudsen, Knud J.
- Lewis, Farral F. Houma, La. Wear indicating attachment for drilling-bits. 2,461,164, Feb. 8.
- Lewis, Francis B.: *See*—
Juel, Harry N., Schroeder, and Lewis.
- Lewis, George F., Sreator, Ill. Lifting apparatus. 2,469,199, May 3.
- Lewis, George S., and G. D. Kerns, Alexandria, Minn. Marking buoy. 2,490,876, Dec. 13.
- Lewis, Harold M., Allenhurst, N. J., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Carrier-wave communication system. 2,461,646, Feb. 15.
- Lewis, Harry, Gainesville, Tex. Musical instrument. 2,485,498, Oct. 18.
- Lewis, Harry F., and I. A. Pearl, Appleton, Wis., assignors, by mesne assignments, to Sulphite Products Corporation. 5-hydroxymercurivanillin and making same. 2,489,380, Nov. 29.
- Lewis, Harry M., Los Angeles, Calif. Combined clothes drier and canopy. 2,483,585, Oct. 4.

- Lewis, Henry R., assignor to R. C. Lewis, Kansas City, Mo. Reinforced cementitious hollow building wall. 2,477,381, July 26.
- Lewis, Howard: *See*—
Gray, Oscar, and Lewis.
- Lewis, Howard B., Venice, and G. M. Larson, Hollywood, Calif. Flexible ammunition chute. 2,473,716, June 21.
- Lewis, Howard B., and G. M. Larson, Los Angeles, Calif. Buckle. 2,487,251, Nov. 8.
- Lewis, Hubert W.: *See*—
Davidson, William L., and Lewis.
- Lewis, James C.: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.
- Lewis, John B., Indianapolis, Ind. Minnow bucket. 2,474,745, June 28.
- Lewis, Leroy M., Rosemont, Pa. Deluge valve. 2,469,831, May 10.
- Lewis, Leroy M., Rosemont, Pa. Automatic sprinkler. 2,469,832, May 10.
- Lewis, Lester L., Cabot, Pa. Hard rubber ball thread gripping lock nut. 2,481,762, Sept. 13.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Pulse counting time-measuring system and apparatus. 2,477,993, Aug. 2.
- Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,484,716, Oct. 11.
- Lewis, Margaret, assignee: *See*—
Muhly, Theodore H.
- Lewis, Murray R.: *See*—
Schwartz, Frederick, Lewis and Feldman.
- Lewis, Neilson W., Washington, D. C. Variable transmission. 2,476,245, July 12.
- Lewis, R. C., assignee: *See*—
Lewis, Henry R.
- Lewis, Ralph D.: *See*—
Friswold, Frank A., and Lewis.
- Lewis, Raymond H., assignor to Link Aviation, Inc., Birmingham, N. Y. Take-off and landing simulating means for grounded aviation trainers. 2,485,499, Oct. 18.
- Lewis, Richard O., Los Angeles, Calif. Liquid fertilizer apparatus. 2,461,067, Feb. 8.
- Lewis, Richard W., assignee: *See*—
Spreen, Charles C.
- Lewis, Richard W., Dundee, Scotland, and L. R. Rowe, South Shields, assignors to Burndept Limited, Erith, England. Composite receptacle for fiat cells and making. 2,480,941, Sept. 6.
- Lewis, Robert E., Chicago, Ill., assignor, by mesne assignments, to Jones & Lamson Machine Company, Springfield, Vt. Projection comparator for objects in relation to spaced drawings or reticles. 2,484,103, Oct. 11.
- Lewis, Stanley, Brookline, Mass. Paper dispensing apparatus. 2,466,957, Apr. 12.
- Lewis, Theodore K., Wauwata, Nebr. Actuating device for egg beaters. 2,483,497, Oct. 4.
- Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric switch having electromagnetic arc extinguishing means. 2,491,010, Dec. 13.
- Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley section insulator. 2,492,300, Dec. 27.
- Lewis, Warren K., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Temperature control means. 2,474,583, June 28.
- Lewis, William H., Altadena, Calif. Collapsible saw for cutting concrete and the like. 2,468,336, Apr. 26.
- Lewis, William J.: *See*—
Bieker, Lawrence W., and Lewis.
- Lewis, William L., Glendale, and F. C. Pahl, Culver City, Calif.; said Pahl assignor to Hughes Tool Company, Houston, Tex. Jig for assembling hollow structures. 2,458,788, Jan. 11.
- Le Witt, George, New Britain, Conn. Motorized pressure juice extractor. 2,470,708, May 17.
- Lewittes, Bertha, assignee: *See*—
Lewittes, Morris.
- Lewittes, Charlotte, assignee: *See*—
Lewittes, Morris.
- Lewittes, David, assignee: *See*—
Lewittes, Morris.
- Lewittes, Fannie, assignee: *See*—
Lewittes, Morris.
- Lewittes, Israel, assignee: *See*—
Lewittes, Morris.
- Lewittes, Morris, assignor of one-eighth to D. Lewittes, one-eighth to C. Lewittes, one-eighth to I. Lewittes, one-eighth to S. Lewittes, one-eighth to W. Lewittes, one-eighth to B. Lewittes, and one-eighth to F. Lewittes, New York, N. Y. Spring foundation. 2,467,264, Apr. 12.
- Lewittes, Sarah, assignee: *See*—
Lewittes, Morris.
- Lewittes, William, assignee: *See*—
Lewittes, Morris.
- Lewon, Rubin, Berkeley, and G. P. Lechich, Menlo Park, assignors to The Paraffine Companies, Inc., San Francisco, Calif. Making calcareous-silicious insulating material. 2,483,498, Oct. 4.
- Lewthwaite, Raymond B., River Edge, and S. J. Straub, Irvington, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Adjustable mounting system for power tubes. 2,468,088, Apr. 26.
- Lewton, Ross, assignor to Chrysler Corporation, Highland Park, Mich. Valve construction. 2,472,840, June 14.
- Lewyt Corporation, assignee: *See*—
Meyerhoefer, Carl F.
- Lexa, George J., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Relay control system. 2,468,634, Apr. 26.
- Lexa, George J., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Cyclic electric welder and the like. 2,476,882, July 19.
- Lexa, George J., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Cyclic control. 2,487,150, Nov. 8.
- Lexa, George J., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Welding controller. 2,491,413, Dec. 13.
- Ley, George A., Chicago, Ill. Control switch for synchronizers and the like. 2,459,330, Jan. 18.
- Leyda, Frank A.: *See*—
Foehr, Edward G., and Leyda.
- Leyda, Frank A., Richmond, assignor to California Research Corporation, San Francisco, Calif. Lubricants and the like. 2,489,300, Nov. 29.
- Leyland Motors Limited, assignee: *See*—
Markland, Stanley.
- Leyvraz, Pierre, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Potential divider for stepwise regulation of transformers. 2,488,418, Nov. 15.
- Lezanski, Albert M., Sacramento, Calif. Saw set. 2,460,388, Feb. 1.
- L'Hermite, Robert, assignor to Groupement Francais pour le Developpement des Recherches Aeronautiques, Paris, France. Fatigue machine for testing materials submitted to alternated or repeated tensile stresses. 2,467,677, Apr. 19.
- L'huillier, Wesley R., Dearborn, Mich. Fishing lure. 2,476,553, July 19.
- Libbey-Owens-Ford Glass Company, assignee: *See*—
Boicey, James H.
Bunnell, Raymond H., and Hatcher.
Colbert, William H., Weinrich, and Morgan.
Cordier, David E.
Crowley, Joseph P.
Doner, Halbert C.
Drake, John L.
Gaiser, Romey A.
Gaiser, Romey A., and Schaible.
Gwyn, James D.
Gwyn, James D., and Williams.
Hatcher, David B.
Hesselbart, Robert C.
Howald, Arthyr M., and Jones.
Morgan, Willard L.
Ogle, James C., Jr.
Rodman, Frank A.
Sharp, Donald E.
Simons, John K.
Smith, Harlen E.
Stevens, Joseph.
Weaver, Welcome I., and Hobbs.
Weinrich, Arthur R.
White, Gerald, and Smith.
Williams, Carl B., Jr.
Williams, Carl B., Jr., and Meyer.
- Libby, Carl E., Stoughton, Mass. Selvage forming mechanism. 2,471,758, May 31.
- Libby, Carl E., Stoughton, Mass. Woven fabric with locked selvage. 2,492,051, Dec. 20.
- Libby, Jesse W., Meredith, N. H. Playing cards. 2,467,044, Apr. 12.
- Libby, Lester L., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Loop antenna system. 2,465,381, Mar. 29.
- Libby, Louis H.: *See*—
Henderson, Lloyd F., and Libby.
- Libby, McNeill & Libby, assignee: *See*—
Stanton, Earl G.
- Liben, William, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Level indicating device for fluent materials. 2,468,676, Apr. 26.
- Liber, Henri S., assignor to Societe Civile d'Etudes & Inventions Liber (S. E. I. L. I. B.), Paris, France. Mathematical drawing instrument. 2,487,345, Nov. 8.
- Liberson, Wladimir T., Hartford, Conn. Electric convulsive therapy. 2,473,378, June 14.
- Liberty Can & Sign Company, assignee: *See*—
Anderson, Albert C.
- Liberty, Henry A., Thermopolis, Wyo. Device for securing reels to fishing rods. 2,487,346, Nov. 8.
- Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Director for computing torpedo attack courses. 2,476,746, July 19.
- Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Data transfer mechanism for tabulators and the like. 2,483,551, Oct. 4.
- Libois, Louis J.: *See*—
Gloss, Paul F. M., and Libois.
- Librascope, Incorporated, assignee: *See*—
Imm, Lewis W.
Opocensky, Willard J.
- Libshutz, Harry, Baltimore, Md. Cap frame. 2,475,794, July 12.
- Li Calzi, Philip R., Moorestown, N. J. Bottle supporting device. 2,488,777, Nov. 22.

- La Castri, Harry, New York, N. Y. Binding means for loose leaves. 2,469,166, May 3.
- Lichaczewski, Stanley M., Van Dyke, Mich. Tile wall structure. 2,475,708, July 12.
- Lichten, Milton, Akron, Ohio. Folding service tray for vehicles. 2,492,230, Dec. 27.
- Lichtenberg, Edward N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. String-up device. 2,491,569, Dec. 20.
- Lichtenwalner, Hart K.: *See*—
Lovell, Wheeler G., Miller, Mulligan, and Lichtenwalner.
- Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Polymers and copolymers of propiolates. 2,461,990, Feb. 15.
- Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of butadiene and alkyl esters of alpha, beta dichloroacrylic acid. 2,469,833, May 10.
- Lichty, Joy G., Stow, and N. V. Seeger, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Polymeric materials from iso- and isothiocyanates with acrylic acids. 2,459,439, Jan. 18.
- Lichty, Joy G., and N. V. Seeger, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Making a diallyl dicarbamate. 2,464,519, Mar. 15.
- Lichwala, Joseph M., assignee: *See*—
Giera, Max S.
- Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Latch. 2,466,993, Apr. 12.
- Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Latch. 2,479,174, Aug. 16.
- Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Thumbpiece latch. 2,485,054, Oct. 18.
- Liddle, John S., F. R. Horton, and E. A. Armstrong, El Dorado, Ark. Electrical metering assembly. 2,470,037, May 10.
- Lidfeldt, Alfred L., and C. R. Pickens, assignors to Wallensak Optical Company, Rochester, N. Y. Testing mechanism for photographic flash lamps. 2,467,591, Apr. 19.
- Lieb, David J.: *See*—
Spahr, Raymond J., and Lieb.
- Lieb, David J., and L. E. Clark, Jr., Bainbridge, N. Y., and R. J. Spahr, New Brunswick, N. J., assignors to The Borden Company, New York, N. Y. Synthetic resin compositions employing curing catalysts. 2,489,145, Nov. 22.
- Liebau, Frederick M., assignor of one-half to B. B. Feikin, Baltimore, Md. Clamp attachment for portable drills. 2,462,979, Mar. 1.
- Liebel, Robert A., Allentown, Pa. Apparatus for setting finishing compositions. 2,469,270, May 3.
- Liebel, Robert A., Allentown, Pa. Change of direction rollers. 2,473,599, June 21.
- Liebel, Robert A., Allentown, Pa. Applying uniform coating by immersion. 2,489,456, Nov. 29.
- Lieber, Eugene, New York, N. Y., assignor to Standard Oil Development Company. Condensation products of an alkyl phenol with an aromatic dibasic acylating agent. 2,477,306, July 26.
- Lieber, Eugene, West New Brighton, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Producing wax esters of hydrocarbon sulfonates. 2,459,440, Jan. 18.
- Lieber, Eugene, New York, N. Y., and M. M. Sadlon, Roselle Park, N. J., assignors to Standard Oil Development Company. Lubricants. 2,467,836, Apr. 19.
- Lieber, Eugene, New York, N. Y., E. P. Cashman, Bayonne, and R. M. Dean, Westfield, N. J., assignors to Standard Oil Development Company. Lubricant containing pour point depressant. 2,468,500, Apr. 26.
- Lieber, Eugene, Chicago, Ill., and A. F. Cashman, Staten Island, N. Y., assignor to Standard Oil Development Company. Lubricating oil composition. 2,468,501, Apr. 26.
- Lieber, Eugene, New York, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Condensing fatty acid halides with aromatic acid halides. 2,470,504, May 17.
- Lieber, Eugene, Chicago, Ill., and R. M. Dean, Westfield, N. J., assignors to Standard Oil Development Company. Lubricants. 2,475,970, July 12.
- Lieber, Eugene, New York, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lube oil additives and preparation thereof. 2,483,499, Oct. 4.
- Lieber, Eugene, New York, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricant composition. 2,487,151, Nov. 8.
- Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Apparatus for supervising the running state of the piston of reciprocating machines. 2,465,735, Mar. 29.
- Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Apparatus for the operating of internal-combustion engines. 2,489,910, Nov. 29.
- Lieberman, Harry S., Evansville, Ind. Slide rule. 2,489,790, Nov. 29.
- Lieberman, Jay B., U. S. Navy. Game board for war games. 2,464,819, Mar. 22.
- Liebert, Emile, Los Angeles, Calif. Hair comb. 2,479,631, Aug. 23.
- Liebhafsky, Herman A.: *See*—
Kearsley, William K., Winslow, and Liebhafsky.
- Liebhafsky, Herman A., and L. B. Bronk, Schenectady, N. Y., assignors to General Electric Company. Recovery of silver from residues containing the same. 2,471,824, May 31.
- Liebling, Raymond: *See*—
Sprules, Francis J., and Liebling.
- Liebman, Arthur, Brighton, Mass. Mechanical binder. 2,466,451, Apr. 5.
- Liebmann, August G., assignor of one-half to H. A. Blessing, Washington, D. C. Excrement incinerator. 2,477,632, Aug. 2.
- Liebmann, Gerhard, assignor to Cathodeon Limited, Cambridge, England. Electron microscope and other electronic apparatus employing electron lenses. 2,468,403, Apr. 26.
- Liebmann, Gerhard, assignor to Cathodeon Limited, Cambridge, England. Amplifier tube for high frequencies. 2,474,584, June 28.
- Liebmann, Gerhard, Cambridge, England, assignor to General Electric Company. Electron lens. 2,486,856, Nov. 1.
- Liebowitz, Benjamin, Lewisboro, N. Y. Composite steel plate. 2,474,682, June 28.
- Liebowitz, Benjamin, Lewisboro, N. Y. Garment sleeve facing. 2,477,813, Aug. 2.
- Liebson, Sidney H., Washington, D. C. Bromine counters. 2,474,851, July 5.
- Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Desulfurizing an aromatic hydrocarbon containing thiophene. 2,464,520, Mar. 15.
- Lienert, Peter H., Detroit, Mich. Vaporizer. 2,469,656, May 10.
- Lienhard, Joseph T., Bronx, N. Y. Animal trap throwout-proof device. 2,489,095, Nov. 22.
- Lifka, Charles E., assignee: *See*—
Tarnow, Nathan.
- Lifer, Eric J., Newark, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Steam cylinder valve gear. 2,489,911, Nov. 29.
- Lifschitz, Morris, New York, N. Y. Roll paper dispenser. 2,472,712, June 7.
- Lifschutz, Harold, Washington, D. C., now by judicial change of name Harold Lyons. Counter frequency divider without time delay. 2,489,303, Nov. 29.
- Lifton, Lewis, New York, N. Y. Stabilized brief case. 2,474,003, June 21.
- Liger, Andrew W., Westboro, Mass., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Composition for and method of electrodeposition of lead. 2,474,092, June 21.
- Liggett, Waldo B.: *See*—
McBee, Earl T., Lindgren, and Liggett.
- Liggett, Waldo B., Detroit, Mich., E. T. McBee, La Fayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West Lafayette, Ind. Perhalotoluenes. 2,459,779, Jan. 25.
- Liggett, Waldo B., Detroit, Mich., and E. T. McBee, Lafayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West Lafayette, Ind. Aromatic fluorocarbon. 2,461,554, Feb. 15.
- Liggett, Waldo B., Detroit, Mich., and E. T. McBee, La Fayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West La Fayette, Ind. Perhalomethylcyclohexenes. 2,480,080, Aug. 23.
- Liggett, Robert W.: *See*—
Larson, Roy F., Liggett, and Mussulman.
- Light, David M., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,971, Oct. 25.
- Light, David M., Chicago, Ill. Brake hanger device. 2,487,152, Nov. 8.
- Light, Donald W., Longmeadow, Mass., assignor to American Cyanamid Company, New York, N. Y. Aqueous emulsions of mixed phthalic glyceride and melamine-formaldehyde resins. 2,471,396, May 24.
- Light, George G., Alexandria, Va., and R. E. Hanford, Forest Hills, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,462,112, Feb. 22.
- Light, George G., Kew Gardens, and W. B. Blanton, Merrick, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph exchange system. 2,484,838, Oct. 18.
- Light, Harry B., San Gabriel, Calif. Combination cradle and perambulator. 2,461,609, Feb. 15.
- Light, James W.: *See*—
Carson, Howard, Geyer, and Light.
- Light, John S.: *See*—
Berthold, Walter K., and Light.
- Cannon, Madison M., Jr., and Light.
- Lightbody, Howard D.: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.
- Dimick, Keene P., Stubbs, Garibaldi, Lightbody, and Fevold.
- Lighthown, Irving E., Roselle, and N. S. Beekley, Jr., Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Tie gum for polymer-rubber articles. 2,467,322, Apr. 12.
- Lightburn, Harold A., Henly Beach South, South Australia, Australia. Hydraulic jack. 2,466,815, Apr. 12.

- Lightburn, Harold A., Henley Beach, South Australia, Australia. Combined portable mixer and barrow. 2,478,408, Aug. 9.
- Lightburn, Herbert M., Pasadena, Calif. Razor blade holder. 2,464,408, Mar. 15.
- Lighton, Lester E., Glenside, Pa., assignor to The Electric Storage Battery Company. Filling and venting structure for storage batteries. 2,472,852, June 14.
- Ligoure, Alice E., New Orleans, La. Sponge rubber insert for toothbrush heads. 2,476,201, July 12.
- Lijol, Ernesto, Brooklyn, N. Y. Electric water-heating system. 2,472,713, June 7.
- Liles, Lewis R., Cuyahoga Falls, and E. W. Chapman, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Printer's blanket. 2,489,791, Nov. 29.
- Lillienfeld, Jacob, assignor to Lit Brothers, Philadelphia, Pa. Pallet construction. 2,471,693, May 31.
- Lillienfeld, Werner M., assignor to The Emulsoi Corporation, Chicago, Ill. Paste shampoo. 2,490,459, Dec. 6.
- Lilius & Co. Oy. Ab., assignee: *See*—
Svaetichin, Gunnar.
- Lilius, Rolf, assignee: *See*—
Svaetichin, Gunnar.
- Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Condition control apparatus with automatic reset. 2,466,716, Apr. 12.
- Liljegen, Lyle K., Alexandria, Va. Base detonating fuse. 2,480,149, Aug. 30.
- Liljegen, Lyle K., Alexandria, Va., assignor to the United States of America as represented by the Secretary of War. Land mine. 2,488,547, Nov. 22.
- Liljenberg, Harry A., assignor to Midwest Industries, Inc., Cleveland, Ohio. Vehicle. 2,479,538, Aug. 16.
- Lillard, Urban, Miami, Fla. Rifle sight conversion attachment. 2,473,891, June 21.
- Lilliendahl, William C., Mountain Lakes, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing tungsten alloys. 2,489,912, Nov. 29.
- Lillquist, Arvid E., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Lifting magnet. 2,491,743, Dec. 20.
- Lilly, Eli, and Company, assignee: *See*—
Behrens, Otto K.
Behrens, Otto K., Corse, Jones, and Soper.
Behrens, Otto K., Jones, and Corse.
Christie, Charles F.
Kharasch, Morris S.
Miller, Henry C.
Rohrmann, Ewald.
Shaw, Gail L., and Jones.
- Lilly, Vernon S., assignee: *See*—
Sabbe, Reinhardt N., and White.
- Lily-Tulip Cup Corporation, assignee: *See*—
Amberg, Walter E.
Amberg, Walter E., and Alm.
Johnson, Gerald C., and Perelman.
Sims, Clark D.
- Lim, Peter, Los Angeles, Calif. Storage attachment for automobile bodies. 2,470,314, May 17.
- Lima-Hamilton Corporation, assignee: *See*—
Krusse, Peter.
Richardson, Henry M.
Woodard, William E., and Filander.
- Lima, Héctor C., Habana, Cuba. Loader for revolvers. 2,488,732, Nov. 22.
- Lima, Henry C., Flushing, N. Y., assignor of one-fourth to M. W. Davis, Bridgeport, Conn. Freight car with dumping body. 2,459,035, Jan. 11.
- Lime, Ermal J., Kansas City, Mo. Cup dispenser. 2,489,096, Nov. 22.
- Limited Company: *See*—
Rezler, Emil.
- Limn, Frank L.: *See*—
Ferguson, William C., Sussenbach, and Limn.
- Limpert Bros., Inc., assignee: *See*—
Moser, Frank T.
- Limpert, Gregory H., Vineland, N. J. Closure for jars. 2,483,586, Oct. 4.
- Linaker, Frederick W., Forest Hills, N. Y. Steam superheater and controlling superheat. 2,463,888, Mar. 8.
- Linamen, Wade L., Warren, and S. L. Wooffer, Nutwood, Ohio. Metal trellis. 2,467,265, Apr. 12.
- Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,458,948, Jan. 11.
- Lincoln, Bert H., Ponca City, Okla., and G. D. Byrkit, Niagara Falls, N. Y., assignors, by mesne assignments, to Lubrizol Development Corporation. Lubricating oils. 2,460,301, Feb. 1.
- Lincoln, Bert H., Ponca City, Okla., and G. D. Byrkit, Niagara Falls, N. Y., assignors, by mesne assignments, to The Lubrizol Development Corporation. Halogenated foots oil. 2,468,089, Apr. 26.
- Lincoln, Bert H., Ponca City, Okla., and C. A. Neilson, Linthicum Heights, Md., assignors to Continental Oil Company, Ponca City, Okla. Inhibiting deterioration of organic compounds. 2,476,554, July 19.
- Lincoln, Bert H., and J. M. Hersh, assignors to Continental Oil Company, Ponca City, Okla. Lubricants. 2,490,068, Dec. 6.
- Lincoln, Charles S., deceased, by O. L. Lincoln, executrix, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Screen with adjustable longitudinal partition. 2,479,945, Aug. 23.
- Lincoln Electric Company, The, assignee: *See*—
Landis, George G.
Landis, George G., and Hoenie.
Landis, George G., and Payne.
Landis, George G., and Peters.
Woods, Gorham W.
- Lincoln Engineering Company, assignee: *See*—
Klein, Victor G.
Laspe, Albert T., and Graef.
- Lincoln, Ora L., executrix: *See*—
Lincoln, Charles S.
- Lincoln, Robert M.: *See*—
Nevison, John A., and Lincoln.
- Lincoln, Wilbur C., Chicago, Ill. Sportsman's swivel seat. 2,483,552, Oct. 4.
- Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Liquid clarifying apparatus. 2,463,464, Mar. 1.
- Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for clarifying liquids. 2,483,706, Oct. 4.
- Lind, Charles J., Buffalo, and M. Witte, Eggertsville, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Producing carboxylic acid arylides. 2,478,114, Aug. 2.
- Lind, Karl E., Detroit, Mich. Grinding machine for bar stock. 2,463,783, Mar. 8.
- Lind, Kenneth H., La Crosse, Wis. Wheel chock. 2,491,989, Dec. 20.
- Linda, John W., and J. M. Hill, Shafter, Calif. Vertically adjustable tray for automobiles. 2,469,657, May 10.
- Lindae, Eola, assignee: *See*—
Lindae, William H.
- Lindae, William H., St. Louis, Mo., assignor of one-half to E. Lindae and one-half to J. P. Pohrer. Electrical safety switch. 2,492,490, Dec. 27.
- Lindhahl, Carl, Union, assignor to American Gas Accumulator Company, Elizabeth, N. J. Time-delay control apparatus. 2,489,381, Nov. 29.
- Lindhahl, Hilmer C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Pulse generator. 2,485,101, Oct. 18.
- Lindhahl, Stanley E., assignee: *See*—
Burke, James D., and Crooks.
- Lindars, Herman, Sheffield, England. Electric motor control system. 2,465,891, Mar. 29.
- Lindberg, Caryl A., Glendale, and H. W. Eckles, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Fan type heater. 2,469,234, May 3.
- Lindberg Engineering Company, assignee: *See*—
Lang, Karl A.
- Lindberg, John E., Jr., assignee: *See*—
Sexton, Robert L.
- Lindberg, Sten G.: *See*—
Grewin, Fredrik W., and Lindberg.
- Linde Air Products Company, The, assignee: *See*—
Anthes, Clifford C.
Babcock, Roger S.
Barnes, Malcolm H.
Barnes, Malcolm H., and McCandless.
Breyemeier, Rudolph T.
Bucknam, James H., and Rountree.
Burdick, John N., and Glenn.
Carlson, Roger V.
Crow, Edgar W., and Lambert.
Geibig, Frank C.
Hansen, Odd A.
Hansen, Odd A., and Anderson.
Hansen, Odd A., and Smith.
Herbst, Harry T.
Jenness, Leslie G.
Jones, Homer W.
Jones, Homer W., and Meincke.
Keir, James M., and Clapp.
King, Barnwell R.
Kirk, Stanley B.
Kornemann, Henry C.
Kratz, John A., and Thoma.
Lobosco, Roscoe R.
Lytle, Arthur R.
McCandless, Edward L., and Yenni.
McCandless, Edward L., Patch, and Ahlstrand.
Meincke, Edward.
Miller, Wiber B.
Pilla, Frank J.
Potts, Lawrence D.
Rice, Philip K.
Rothe, Frank.
Scheller, Arthur P.
Scherl, Egon B.
Seemann, Arthur K.
Shorter, Albert E.
Smith, Hugh T., Scheller, Meincke, and Kolody.
Thayer, Russell M.
Thayer, Russell M., and Taylor.
Thompson, Ivan P., and Cowlie.
Thompson, Ivan P., and Miller.
Young, Lloyd W.
- Linde, Leonard J.: *See*—
Walle, Ludwig S., and Linde.
- Linde, Leonard J., assignor to A. B. Chance Company, Centralia, Mo. High-potential electric switch. 2,489,426, Nov. 29.

- Linde, Walter L., Brooklyn, assignor to Pavelle Color Incorporated, New York, N. Y. Exposure timing mechanism. 2,463,985, Mar. 8.
- Lindecker, Joseph B., assignee: *See*—Weiss, George.
- Lindell, Leo, Brooklyn, N. Y. Collapsible tube. 2,476,446, July 19.
- Lindell, Sigurd I., Chicago, Ill., assignor to S & C Electric Company. Fuse mounting. 2,484,839, Oct. 18.
- Lindeman, Jesse G., assignor, by mesne assignments, to John Deere-Lindeman Company, Yakima, Wash. Hydraulic coupling. 2,460,137, Jan. 25.
- Lindemann, A. J., & Hoverson Company, assignee: *See*—Kuenne, Kuno R.
- Meiners, Richard H., and Dupas.
- Lindemann, Gilbert H., Muncie, Ind. Body construction and door seal. 2,484,176, Oct. 11.
- Lindemann & Hoverson Company, A. J., assignee: *See*—Kuenne, Kuno R.
- Lindemann, Robert E., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for making belts. 2,487,153, Nov. 8.
- Lindemuth, Lewis B., Port Washington, assignor, by mesne assignments, to Steel Ingot Production, Inc., New York, N. Y. Remelting furnace and remelting scrap. 2,465,463, Mar. 29.
- Lindemuth, Ralph L., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Drier for thermal pipe insulation. 2,481,130, Sept. 6.
- Linden, Carl A., Ferndale, assignor to H. E. Nofz, Detroit, Mich. Hot-water heater. 2,467,837, Apr. 19.
- Linden, Herbert E., assignee: *See*—Wooick, Herbert J.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Radio direction finder. 2,458,280, Jan. 4.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Folded transmission line. 2,462,410, Feb. 22.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Movable circuit closure. 2,467,758, Apr. 19.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Traveling wave antenna. 2,478,700, Aug. 9.
- Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,487,567, Nov. 8.
- Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna and lobe switcher. 2,488,419, Nov. 15.
- Lindenthaler, Charles J., Chappaqua, assignor to Minute Skid Chain Corporation, Long Island City, N. Y. Traction device. 2,469,235, May 3.
- Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Temperature compensated microwave device. 2,475,035, July 5.
- Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,476,611, July 19.
- Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Super high frequency filter. 2,479,687, Aug. 23.
- Linder, Otto A., and E. J. Klaus, Philadelphia, Pa. Ladder safety step. 2,488,633, Nov. 22.
- Linder, Victor F., assignor to A. T. O'Neil, Minneapolis, Minn. Bending brake with adjustable work stop and clamping means. 2,474,683, June 28.
- Linderer, Francis, Boise, Idaho, assignor, by mesne assignments, to Deere Manufacturing Co. Crop compressor. 2,458,713, Jan. 11.
- Linderme, Edwin G., assignee: *See*—Linderme, Emil.
- Linderme, Emil, Shaker Heights, Ohio, assignor of one-third to E. M., one-third to E. G., and one-third to F. W. Linderme. Traction-gaining device. 2,474,262, June 28.
- Linderme, Emil M., assignee: *See*—Linderme, Emil.
- Linderme, Frederick W., assignee: *See*—Linderme, Emil.
- Lindertoh, Lambert S., Jr.: *See*—Seely, Thomas H.
- Lindesmith, John L., Long Beach, Calif. assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control device responsive to rate of change of a condition. 2,485,005, Oct. 18.
- Lindewald, Torsten W., Norrköping, and S. Gruben, Kilstad, assignors to Svenska Mjölkprodukter Aktiebolag, Stockholm, Sweden. Producing egg substitutes. 2,468,677, Apr. 26.
- Lindfors, Onni, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Motor starting control switch. 2,490,877, Dec. 13.
- Lindgren, George O. R., Willoughby, assignor to The Weatherhead Company, Cleveland, Ohio. Removable capillary tube unit. 2,489,914, Nov. 29.
- Lindgren, Hans O., Appelpviken, assignor to Aktiebolaget Separator, Stockholm, Sweden. Producing butter by cooling cream of high concentration. 2,461,117, Feb. 8.
- Lindgren, Hans O., Appelpviken, assignor to Aktiebolaget Separator, Stockholm, Sweden. Teat cup. 2,473,379, June 14.
- Lindgren, Hans O., Smedslatten, assignor to Aktiebolaget Separator, Stockholm, Sweden. Purifying sugar juice. 2,478,971, Aug. 16.
- Lindgren, Nils, Irondequoit, and P. A. Roos, Greece, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Surface comparison microscope having light conducting members providing grazing and diffuse illumination. 2,470,176, May 17.
- Lindgren, Vincent V.: *See*—Ligett, Waldo B., McBee, and Lindgren.
- McBee, Earl T., Lindgren, and Ligett.
- Lindgren, Vincent V., West La Fayette, and E. T. McBee, La Fayette, assignors to Purdue Research Foundation, West La Fayette, Ind. Perhalocyclohexanes. 2,480,081, Aug. 23.
- Lindh, Gunnar C. T., assignor to The Udyllite Corporation, Detroit, Mich. Forming thermoplastic inner soles. 2,481,602, Sept. 13.
- Lindhe, Eric G., Hastings on Hudson, assignor to Sweets Laboratories, Inc., New York, N. Y. Candy chewing gum. 2,460,698, Feb. 1.
- Lindler, George B., assignee: *See*—Burum, Fisher C.
- Lindner, Edmund F., New York, N. Y. Microfilm projection viewer having manual lens adjusting and film moving means. 2,481,850, Sept. 13.
- Lindner, Philip J.: *See*—Ernst, Walter, and Lindner.
- Lindner, Philip J., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Apparatus for removing foreign matter from fluid. 2,478,290, Aug. 9.
- Lindon, John A., by change of name: *See*—Levine, Arnold J.
- Lindow, Rudolph F.: *See*—Miller, Arthur E., Vivall, and Lindow.
- Lindquist, Frank D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam for looms. 2,473,155, June 14.
- Lindquist, Richard L., Minneapolis, Minn. Under-the-counter rack. 2,488,062, Nov. 15.
- Lindquist, Theodore, Swansea, Mass., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Method and apparatus for flocking fabric. 2,464,453, Mar. 15.
- Lindrea, Samuel W., assignee: *See*—Bailey, W. C., and C. Noel.
- Lindsay, Edward C., Newton Falls, Ohio, and E. L. Anderson, assignors to Standard Steel Spring Company, Coraopolis, Pa. Polishing machine. 2,469,735, May 10.
- Lindsay, James A., Spokane, Wash. Multiunit storage cabinet. 2,484,894, Oct. 18.
- Lindsay, James R., Arlington Heights, assignor to Gordon Varney, Chicago, Ill. Spring suspension for vehicles. 2,481,029, Sept. 6.
- Lindsay, James R., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Company. Vibrating apparatus. 2,481,131, Sept. 6.
- Lindsay, John D., Grosse Pointe Woods, Mich. Making integral molded structures. 2,458,864, Jan. 11.
- Lindsay, Robert W., assignor to American Enka Corporation, Enka, N. C. Removal of waste yarn from bobbins and the like. 2,482,854, Sept. 27.
- Lindsey, Benjamin S., assignor to The Milwhite Company, Incorporated, Houston, Tex. Gel forming drilling fluid. 2,490,069, Dec. 6.
- Lindsey, Frank A., Jr., and W. T. Maxwell, assignors to The Southern Cotton Oil Company, Savannah, Ga. Stabilizing edible fatty oil. 2,486,424, Nov. 1.
- Lindsey, John W.: *See*—Leo, Herbert T., Taylor, and Lindsey.
- Lindsey, Richard V., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing hydrocarbometallic halides. 2,473,434, June 14.
- Lindsey, Robert J., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Momentary slowdown device for high-speed blankholder presses. 2,459,888, Jan. 25.
- Lindsey, Seth B., Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape applying. 2,487,816, Nov. 15.
- Lindstrom, Arnold O., Spokane, Wash. Ventilated boot. 2,480,035, Aug. 23.
- Lindstrom, Charles M., East Greenwich, R. I., assignor, by mesne assignments, to Bostitch, Inc. Magazine for fastener applying. 2,461,165, Feb. 8.
- Lindstrom, Frank L., Bridgeport, Conn. Phonograph turntable drive. 2,489,792, Nov. 29.
- Lindstrom, George W., Westport, Conn. Electric foot-warming ottoman. 2,471,221, May 24.
- Lindström, Nils E., Stockholm, Sweden. Gas detector. 2,458,610, Jan. 11.
- Lindström, Ture: *See*—Sandin, Jerome, and Lindström.
- Lindström, Ture, Edgewood, and G. G. Grissinger, Wilkesburg, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Electromagnetic trip circuit breaker. 2,486,300, Oct. 25.
- Line, Dale A., Bartlesville, Okla. Gas torch. 2,465,242, Mar. 22.

- Line, Henry, Carlisle, Pa. Watch movement beat adjusting device. 2,482,351, Sept. 20.
- Line Material Company, assignee: *See*—
Amundson, Rold H.
Brown, Chester W.
Bundy, Edwin S.
Dryer, Henry V.
Earle, Ralph H.
Earle, Ralph H., and Amundson.
Kyle, William D., Jr., and Schindler.
Kyle, William D., Jr., and Van Ryan.
Link, Edwin A.
Nelson, Rolland D., and Link.
Salmons, George C., and Dornbos.
Schultz, William O.
Steinmayer, Alwin G.
Trogner, Arthur M.
Von Liedtke, Rudolph H.
Van Ryan, Anthony.
- Linenthal, Jack, Chicago, Ill. Rack for neckties. 2,459,331, Jan. 18.
- Linen Thread Co., Inc., The, assignee: *See*—
Anderson, John H.
- Lines, Harold A., assignor to The Whitney Blake Company, Hamden, Conn. Insulation-testing apparatus. 2,483,915, Oct. 4.
- Lineweaver, Hans, Berkeley, R. Jang, San Francisco, and E. F. Jansen, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Isolation of polygalacturonase. 2,479,751, Aug. 23.
- Lineweaver, Hans, Berkeley, A. A. Klose, and G. Alderton, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Technique for isolating subtilin. 2,481,763, Sept. 13.
- Linford, Hooper, Los Angeles, and W. J. Baral, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Naphthenic acid production. 2,477,190, July 26.
- Lingal, Harry J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit controller. 2,460,462, Feb. 1.
- Lingal, Harry J., Wilkinsburg, and T. R. Watts, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-voltage bushing. 2,484,233, Oct. 11.
- Lingel, Frederick J., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Exposure meter having adjustable interconnected photocell shutter and pointer blasing means. 2,482,281, Sept. 20.
- Lingenbrink, Hermann E. F. C., Hilltown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Antenna. 2,479,379, Aug. 16.
- Lingo, Shirley P., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitroalkyl sulfites and preparing them. 2,471,274, May 24.
- Lingren, George O. R., Willoughby, assignor to The Weatherhead Company, Cleveland, Ohio. Valve disk. 2,479,688, Aug. 23.
- Linington, Reuben, Bellemead, N. J. Hopper trap. 2,486,301, Oct. 25.
- Linizan, Yves: *See*—
Sans, Marcel, Linizan, and Michon.
- Link Aviation, Inc., assignee: *See*—
Decker, George A.
Douglas, Samuel A.
Edinburg, Murray W.
Hayes, Stanley I.
Kail, Karl A.
Lang, Gregor L.
Lewis, Raymond H.
Lowkrantz, Gunne.
Lowkrantz, Gunne, and Kail.
McLaughlin, Thomas J.
Stuhrman, Ahlert P., and McKee.
Wood, William W., and Lowkrantz.
- Link-Belt Company, assignee: *See*—
Davis, Nelson L., Ekbohm, and Millard.
Erisman, John L.
Musschoot, Albert.
Sweeney, Russell T.
- Link-Belt Speeder Corporation, assignee: *See*—
Deal, Troy M., Baker, and Duttweiler.
- Link, Edwin A.: *See*—
Nelson, Rolland D., and Link.
- Link, Edwin A., Binghamton, N. Y. Aquatic device. 2,491,744, Dec. 20.
- Link, Edwin A., assignor to Line Material Company, Milwaukee, Wis. Switch construction. 2,482,009, Sept. 13.
- Link Engineering Company, assignee: *See*—
Doll, Frank A.
- Link, John H., Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,481,030, Sept. 6.
- Link, Karl P.: *See*—
Stahmann, Mark A., and Link.
- Links, Julian A., San Francisco, and C. M. Freeman, Pedro Valley, Calif. Animated toy. 2,467,139, Apr. 12.
- Links, Julian A., San Francisco, Calif. Educational toy book. 2,484,895, Oct. 13.
- Links, Julian A., San Francisco, Calif. Child's book. 2,484,896, Oct. 13.
- Linn, Carl B.: *See*—
Wackher, Richard C., and Linn.
- Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Liquid hydrogen fluoride composition. 2,470,175, May 17.
- Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treating a hydrocarbon mixture which is contaminated by small amounts of organic fluorine compounds. 2,472,908, June 14.
- Linnemann, Joseph G., Delhi Township, Hamilton County, Ohio. Tagging device. 2,478,115, Aug. 2.
- Linscott, Austin B., Attica, N. Y., assignor to Curtiss-Wright Corporation. Wheel brake for retracted landing gears. 2,476,610, July 19.
- Linsley, Douglas F., Greenwich, Conn. Cannister shell. 2,461,555, Feb. 15.
- Linster, Arthur A., assignee: *See*—
Longley, Horace E.
- Lint, Lalah: *See*—
Hamman, Fred I., and Lint.
- Linton, William C., Washington, D. C. Multiple fuse plug. 2,492,301, Dec. 27.
- Linton, William C., Washington, D. C. Clip-on fuse indicator. 2,492,302, Dec. 27.
- Linville, Thomas M., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. 2,471,157, May 24.
- Linville, Thomas M., and K. D. McMahan, Schenectady, N. Y., assignors to General Electric Company. Ventilation arrangement for direct-current machines. 2,492,753, Dec. 27.
- Linz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Alloy addition agents. 2,470,935, May 24.
- Liolich, Samuel N., Detroit, Mich. Putter head. 2,491,383, Dec. 13.
- Lion Manufacturing Corporation, assignee: *See*—
Prime, Carl F.
Umbdenstock, Walter.
- Lionel Corporation, The, assignee: *See*—
Pettit, Frank.
- Lionello, Antonio, assignee: *See*—
La Rosa, Frank R.
- Lipe, Bruce R., Cincinnati, and E. E. Schroeder, Norwood, Ohio, assignors to Allis Chalmers Manufacturing Company, Milwaukee, Wis. Combined pump means and motor means. 2,459,036, Jan. 11.
- Lipe-Rollway Corporation, assignee: *See*—
Mariotte, Eugene S.
Spase, Charles B.
- Lipkin, Moses R., assignor to Sun Oil Company, Philadelphia, Pa. Separation of hydrocarbons. 2,459,442, Jan. 18.
- Lipman, Carl E. L., Evanston, Ill., assignor to Lipman Patents Corporation. Rotary pump. 2,491,670, Dec. 20.
- Lipman, Maurice S., Hempstead, and W. W. Godon, Freeport, assignors to Republic Aviation Corporation, near Farmingdale, N. Y. Clamp. 2,474,431, June 28.
- Lipman Patents Corporation, assignee: *See*—
Lipman, Carl E. L.
- Lippert, Hanns, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Cartridge feed device for automatic firearms. 2,484,104, Oct. 11.
- Lippert, Walter C.: *See*—
Gaines, Earl F., and Lippert.
- Lippert, Walter E., Jackson Heights, N. Y., assignor to Underwood Corporation. Computing machine. 2,459,441, Jan. 18.
- Lippincott, Joshua G., Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc. Flashlight torch. 2,461,118, Feb. 8.
- Lippincott, Samuel B., Westfield, N. J., assignor to Standard Oil Development Company. Ester exchange reaction. 2,476,052, July 12.
- Lippincott, Samuel B., Westfield, N. J., assignor to Standard Oil Development Company. Producing esters. 2,476,053, July 12.
- Lippmann, Carl E.: *See*—
Marlen, Melvin W., and Lippmann.
- Lipscomb, Gaston J., Montclair, N. J., assignor to W. R. Grace & Co., New York, N. Y. Liquid clarifier. 2,479,126, Aug. 16.
- Lipsy, Goldner F.: *See*—
Clark, Frank M., and Lipsey.
- Lipson, Leonard B., Arlington County, Va. Method and apparatus for physicochemical analysis. 2,462,270, Feb. 22.
- Lipson, Leonard B., Houston, assignor to The Geotronics Corporation, Dallas, Tex. Method and apparatus for physico-chemical analysis. 2,490,642, Dec. 6.
- Lipson, Samuel, H. Rothenthal, and H. Markus, Philadelphia, Pa. Wax injection apparatus. 2,462,113, Feb. 22.
- Liquid Carbonic Corporation, assignee: *See*—
Van Vliet, Paul D., and Homkes.
- Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James, and Marovitz.
- Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A.
De Giers, Clarence A., and Edelman.
De Giers, Clarence A., and Sandberg.
Edelman, Abraham.
Nelson, Gustaf A.
Osterlund, Soren B., and Geiser.

- Lisbon, Julius E., Oakland, Calif. Nutcracker automatically adjusted to crack nuts of various sizes. 2,464,983, Mar. 22.
- Lischer, Carl F.: *See*—
Kastning, Ernst H., and Lischer.
- Liska, Raymond H.: *See*—
Verderber, Joseph, and Liska.
- Lisk-Savory Corporation, assignee: *See*—
Brownell, Clifford E.
- Lisle, Wade H., Kansas City, assignor to Crook Paper Box Company, North Kansas City, Mo. Box shaping machine. 2,460,892, Feb. 8.
- Lisota, Edward, Patterson, Calif. Vehicle bed assembly. 2,466,452, Apr. 5.
- Lisota, Edward, Patterson, Calif. Actuating device for sliding vehicle beds. 2,468,502, Apr. 26.
- Lisota, Edward, Patterson, Calif. Adjustable vehicle bed. 2,485,300, Oct. 18.
- Lissak, Nathan J., Brockton, Mass. Platform shoe and making the same. 2,482,010, Sept. 13.
- Lissman, Marcel A., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency converter. 2,480,659, Aug. 30.
- Lissman, Marcel A., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency converter. 2,481,132, Sept. 6.
- Lister, R. A., & Company Limited, assignee: *See*—
Morris, Alberto J.
- Lister, Roscoe C., assignor to J. M. Huber Corporation, Borger, Tex. Making tubing cleaners. 2,468,503, Apr. 26.
- Lister, Warren L., Chickasha, Okla. Combined seat and article-receiving chamber. 2,491,671, Dec. 20.
- Liston, Benjamin F., Garrettsville, Ohio. Apparatus for removing icicles from the eaves of buildings. 2,469,971, May 10.
- Lit Brothers, assignee: *See*—
Lillenfeld, Jacob.
- Litchfield Manufacturing Company, assignee: *See*—
Packer, Gordon W.
- Litt, Edward: *See*—
Litt, Samuel and E.
- Litt, Samuel and E., New York, N. Y. Feminine garment. 2,472,302, June 7.
- Litt, Seymour W., Glendale, Calif. Fluid pump. 2,462,980, Mar. 1.
- Littelfuse, Incorporated, assignee: *See*—
Sundt, Edward V.
- Littell, F. J. Machine Company, assignee: *See*—
Littell, Frederick M.
- Littell, Frederick M., Detroit, Mich., assignor to F. J. Littell Machine Company, Chicago, Ill. Air valve clamp. 2,466,717, Apr. 12.
- Littell, Nelson, assignee: *See*—
Jeffreys, George A.
- Litten, Fred W., Zelienople, Pa. Food chopper with rotary forcer screw. 2,459,230, Jan. 18.
- Little, Alfred E., assignor to Busch Precision Camera Corporation, Chicago, Ill. Photographic film pack adapter. 2,460,994, Feb. 8.
- Little, Alfred E., assignor to Busch Precision Camera Corporation, Chicago, Ill. Parallax compensating view finder for cameras. 2,482,628, Sept. 20.
- Little, Alfred E., assignor to Busch Precision Camera Corporation, Chicago, Ill. Cam operated locking means for camera focusing mechanisms. 2,482,629, Sept. 20.
- Little, Alfred E., assignor to Ditto, Incorporated, Chicago, Ill. Sheet sorting device. 2,492,386, Dec. 27.
- Little, Arthur D., Inc., assignee: *See*—
Bogrown, Alexander, and Johnson.
Clancy, John J.
Collins, Samuel C.
Doggett, Roger H., and Johnson.
Latham, Allen, Jr.
Lunt, George P.
Marek, Leroy F., and Bogrow.
- Little, Charles E., assignor to C. W. Wood, Los Angeles, Calif. Apparatus for handling concrete and the like. Re. 23,165, Nov. 8.
- Little, Charles Henry, Cleveland Heights, and Charles Hubbard Little, Cleveland, Ohio. Drafting machine. 2,462,271, Feb. 22.
- Little, Charles Hubbard: *See*—
Little, Charles Henry and Charles Hubbard.
- Little, Edward W., Naches, Wash. Roller attachment. 2,460,094, Jan. 25.
- Little, George W., assignor to The Malco Company, Incorporated, Minneapolis, Minn. Microphone mounting for hearing aids. 2,477,898, Aug. 2.
- Little, Harry C., San Rafael, Calif. Pot type oil burner. Re. 23,158, Oct. 25.
- Little, Harry C., San Rafael, Calif. Oil burner having air admission and fuel vaporization means. 2,473,653, June 21.
- Little, Harry C., San Rafael, Calif. Tray type oil burner. 2,483,978, Oct. 4.
- Little, Howard J., Fort Thomas, Ky. Rapidly painting metal sheets. 2,465,161, Mar. 22.
- Little, J. McLeod, assignee: *See*—
Delrickson, Roy H.
- Little, Jess C., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Vibration damper. 2,469,167, May 3.
- Little, John B., Summit, and W. A. Munson, Chatham, N. J. assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed reduction mechanism. 2,458,181, Jan. 4.
- Little, John D.: *See*—
Du Rose, Arthur H., and Little.
- Little, John R., Jr., Portsmouth, and Irving Gross, Providence, R. I., assignors to Fairhope Fabrics, Inc. Knitted fabric. 2,476,153, July 12.
- Little, Lawrence L., Morris Plains, N. J., assignor to E. F. Drew & Co., Inc., New York, N. Y. Making mixed glycerol esters of fatty and hydroxy acids. 2,480,332, Aug. 30.
- Little, Samuel J., Savannah, Ga. Terra-cotta flue liner circle cutter. 2,468,504, Apr. 26.
- Littmann, Martin F., Middletown, Ohio, assignor to Armco Steel Corporation. Developing high magnetic permeability and low core loss in very thin silicon steel. 2,473,156, June 14.
- Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Electron discharge device. 2,462,877, Mar. 1.
- Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode support. 2,474,263, June 28.
- Litton, Charles V., Redwood City, Calif. Protective means for electron discharge devices. 2,477,633, Aug. 2.
- Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Method and apparatus for sealing electrodes in envelopes of electron discharge tubes. 2,492,162, Dec. 27.
- Litton, Felix B., assignor to Bendix Aviation Corporation, Detroit, Mich. Sprue for centrifugal molds. 2,482,352, Sept. 20.
- Litwaitis, John V., Dearborn, Mich. Combined ball holder and brush wiper for paint cans. 2,478,291, Aug. 9.
- Livera, Aldo L., Madison, N. J., assignor, by mesne assignments, to John G. Ruckelshaus Company. Multiple coil wound resistor. 2,464,820, Mar. 22.
- Livermon, Carl R., Roxobel, N. C. Aircraft landing gear. 2,461,288, Feb. 8.
- Livermon, Carl R., Roxobel, N. C. Wheel starter for aircraft. 2,467,140, Apr. 12.
- Livermon, Carl R., Roxobel, N. C. Throwing tool. 2,481,522, Sept. 13.
- Livernois, Harvey J., Romulus, Mich. Trailer structure. 2,475,971, July 12.
- Livesay, Everett G., New Orleans, La. Portable torch carriage. 2,467,940, Apr. 19.
- Livesay, Everett G., New Orleans, La. Flame cutting torch machine. 2,474,153, June 21.
- Livingaire, Inc., assignee: *See*—
Schreiber, John H.
- Livingston, Alistair: *See*—
Heslop, Robert N., Irving, and Livingston.
- Livingston, Arnold, New York, N. Y. Adjustable waistband in garments. 2,485,157, Oct. 18.
- Livingston, Herman H., New York, N. Y. Bone pin. 2,490,364, Dec. 6.
- Livingston, John F., Williamsport, Pa. Removable window tray. 2,488,870, Nov. 22.
- Livingston, Louis E.: *See*—
Montgomery, John A., and Livingston.
- Livingston, Orrin W.: *See*—
Gardner, Edward M., and Livingston.
- Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Phase controlled switching system. 2,484,575, Oct. 11.
- Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Maximizing or minimizing control system. 2,491,822, Dec. 20.
- Livingston, Ralph: *See*—
Lange, Willy, and Livingston.
- Livingston, Richard M.: *See*—
Robinson, William C., and Livingston.
- Livingston, Robert L., Williamsport, Pa. Blowtorch. 2,476,246, July 12.
- Livingstone, William, La Grange, Ill., assignor to Kem-Stone Products Company, Inc. Liquid treating apparatus. 2,471,158, May 24.
- Liwshchitz, Michael, Brooklyn, N. Y., and A. W. Kimball, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical machine. 2,484,840, Oct. 18.
- Ljunggren, Thor H.: *See*—
Bryant, William J., and Ljunggren.
- Ljunggren, Thor H., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Motor-driven tool mechanism. 2,459,384, Jan. 18.
- Ljunggren, Thor H., Charlestown, N. H., and F. A. Johnson, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Carriage shuttle lock mechanism. 2,465,542, Mar. 29.
- Ljunggren, Thor H., and G. M. Green, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Combination diaphragm and clamp chuck. 2,473,380, June 14.
- Ljungquist, Ernst R., assignor to Lodding Engineering Corporation, Worcester, Mass. Doctor mechanism for rolls and cylinders. 2,477,339, July 26.
- Lloyd, Charles G.: *See*—
Smith, David M., and Lloyd.

- Lloyd, Claire, West Palm Beach, assignor to Harkiso Corporation, Palm Beach, Fla. Door hanger. 2,482,855, Sept. 27.
- Lloyd, Claire, West Palm Beach, assignor to Harkiso Corporation, Palm Beach, Fla. Door hanger. 2,482,856, Sept. 27.
- Lloyd, Donald: *See*—
Fletcher, Albert C., and Lloyd.
- Lloyd, Edward C., Silver Spring, Md. Marine fuel system. 2,457,828, Jan. 4.
- Lloyd, Gary W.: *See*—
Weisner, Charles E., and Lloyd.
- Lloyd, James H., Jr., Oak Park, assignor to The Visking Corporation, Chicago, Ill. Sealing thermoplastic material. 2,488,212, Nov. 15.
- Lloyd, Jeanette, assignee: *See*—
Freyn, Carl.
- Lloyd, John, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Control of flying aircraft. 2,474,585, June 28.
- Lloyd, John, and C. V. Murray, assignors to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Airplane with boundary layer control and powered by internal-combustion turbines. 2,480,036, Aug. 23.
- Lloyd, John T., and M. Bye, Cincinnati, Ohio. Inducing young poultry, especially turkeys, to eat. 2,463,704, Mar. 8.
- Lloyd Products Company, The, assignee: *See*—
Burt, Guy H.
- Lloyd, Rex R., Boulder City, Nev. Production of magnesium oxide. 2,473,534, June 21.
- Lloyd, Robert R.: *See*—
Carlin, James C., and Lloyd.
- Lloyd, Tom C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Time switch. 2,487,154, Nov. 8.
- Lloyd, Whitten P., assignor to Excel Movie Products, Inc., Chicago, Ill. Film reel construction. 2,468,767, May 3.
- Lloyd, William H.: *See*—
Conrad, Joseph D., and Lloyd.
- Lloyd, William R., and G. H. Schafer, Chicago, Ill., assignors, by mesne assignments, to C. A. Krause, Jr., Milwaukee, Wis. Solvent extraction as step in milling process. 2,460,389, Feb. 1.
- Lybe, Jack E., and W. H. Haines, Akron, Ohio, assignors to The Pratt-Lyle Corporation. Drive mechanism for washing machines and the like. 2,487,253, Nov. 8.
- Loader, Hector, New Bedford, Mass., assignor to Emslo Braid Corporation. Braiding machine. 2,469,047, May 3.
- Loane, Clarence M.: *See*—
Watson, Roger W., and Loane.
- Loane, Clarence M., Hammond, and T. H. Rogers, Chesterton, Ind., assignors to Standard Oil Company, Chicago, Ill. Flushing compositions. 2,491,120, Dec. 13.
- Lobdell, Garrett B., North Tonawanda, N. Y. Fish lure. 2,468,988, May 3.
- Lobdell, Webster A., Painesville, Ohio. Electrically operable burning instrument. 2,476,612, July 19.
- Lobel, Seymour, Brooklyn, N. Y., assignor to Air King Products Company, Inc. Semireentrant line oscillator for ultra high frequency, comprising an electron discharge device. 2,464,984, Mar. 22.
- Lobel, Seymour, Brooklyn, N. Y., assignor to Air King Products Company, Inc. System for comparing synchronized wave signals. 2,471,530, May 31.
- Lobell, Rolfe M., Chicago, Ill., assignor to Leaf Brands, Inc. Display carton. 2,476,102, July 12.
- Lobelle, Marcel J. O., Slough, England, assignor to M. L. Aviation Company, Limited. Safety device for aircraft pilots. 2,459,948, Jan. 25.
- Lobelle, Marcel J. O., Slough, England, assignor to M. L. Aviation Company, Limited. Towing and release mechanism. 2,467,045, Apr. 12.
- Lobl Manufacturing Company, The, assignee: *See*—
Porter, Malcolm E.
- Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Coating work with an electron-emissive material to improve inert gas-shielded refractory-electrode alternating current arc welding. 2,473,600, June 21.
- Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Gas shielded direct-current arc welding. 2,473,601, June 21.
- Lobstein, Robert, assignor of one-half to S. R. Hunter, Chicago, Ill.; F. H. Hunter, administratrix of said S. R. Hunter, deceased. Coating apparatus. 2,466,718, Apr. 12.
- Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Incorporated. Foundation garment. 2,464,093, Mar. 8.
- Lo Cascio, Jack, Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 2,481,603, Sept. 13.
- Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 2,492,303, Dec. 27.
- Lochhead, John L., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Sear release mechanism. 2,462,114, Feb. 22.
- Lochhead, John L., Springfield, Mass., assignor to Olin Industries, Inc., New Haven, Conn. Inertia operating members for automatic firearms. 2,466,902, Apr. 12.
- Lochman, Emil R., Milwaukee, Wis. Power-operated driving and braking mechanism. 2,470,103, May 17.
- Lochman, Emil R., Milwaukee, Wis. Machine tool. 2,478,929, Aug. 16.
- Lock, Ritchie H., Chigwell, and L. H. Adcock, assignors to Howards & Sons Limited, Ilford, England. Manufacture of acyloxy-carboxylic acids and salts thereof. 2,465,892, Mar. 29.
- Lock, Robert L., Birmingham, Ala., assignor to Anderson Brass Works. Screw clamp cable coupling. 2,485,834, Oct. 25.
- Locke, Arthur A., Detroit, Mich. Continuous drier. 2,469,882, May 10.
- Locke, Burton H., Framingham, Mass. Variable-speed drive. 2,488,871, Nov. 22.
- Locke, Burton H., Framingham, Mass. Variable-speed drive. 2,491,745, Dec. 20.
- Locke, Charles, Muskegon Heights, assignor to West Michigan Steel Foundry Company, Muskegon, Mich. Apparatus for testing foundry sand. 2,466,453, Apr. 5.
- Locke, George A., Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph storage system. 2,486,302, Oct. 25.
- Locke, Incorporated, assignee: *See*—
Frey, Howard A., and McCoy.
- Locke, Raymond L., Macon, Ill. Door guide and holder. 2,485,393, Oct. 18.
- Locke, Roy C., Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of azo compounds. 2,478,767, Aug. 9.
- Locke, Roy C., Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of azo lakes. 2,478,768, Aug. 9.
- Locke, Roy C., Salem, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of chrysoidine with basic dyes. 2,492,163, Dec. 27.
- Lockhart, Marshall L., assignor to Becton, Dickinson & Co., Rutherford, N. J. Receptacle. 2,467,678, Apr. 19.
- Lockhart, Marshall L., Rutherford, N. J. Syringe assembly. 2,490,447, Dec. 6.
- Lockheed Aircraft Corporation, assignee: *See*—
Beach, James B.
Bleakney, William M., and Zielinski.
Bloomfield, John J.
Carasso, Frederic M.
Corte, Alfred.
Crot, Andre.
Dahm, Thomas M., and George, Jr.
Dewar, Harvey L.
Hawkins, Willis M., Jr.
Johns, Harry W.
Maxwell, Robert W.
Pinaire, John S.
Price, Nathan C.
Pulver, Wilfrid A.
Reedy, Perry M., Jr.
Simon, Eli and G., Jr.
Vrooman, Carl D.
Webster, David A.
- Lockheed, Allan H., Arcadia, Calif. Sealing device. 2,487,659, Nov. 8.
- Lock Joint Pipe Company, assignee: *See*—
Hirsh, Philip R.
Kennison, Hugh F.
Longley, James E.
Wilhelm, Loomis G.
- Lockley Machine Company, assignee: *See*—
Schindler, Harold C.
- Lockman, Carl J., Enebyberg, assignor to Aktiebolaget Rosenblads Patent, Stockholm, Sweden. Flash evaporator. 2,488,598, Nov. 22.
- Lockwood, Harry A., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Dehydrating system. 2,465,162, Mar. 22.
- Lockwood, Harry A., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Corrosion prevention. 2,465,163, Mar. 22.
- Lockwood, John F., Shreveport, La. Apparatus for scraping the walls of well bores. 2,482,985, Sept. 27.
- Lockwood, Lee, Des Moines, Iowa. Downdraft stove. 2,461,068, Feb. 8.
- Lockwood, Lee J., Freeport, Ill., and V. F. Gongoll, Madison, Wis., assignors to Ray-O-Vac Company. Spacer-connector for flat dry cells. 2,478,632, Aug. 9.
- Lockwood, Lewis B., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Method of preparing pentonic acids from pentoses. 2,463,784, Mar. 8.
- Lockwood, Lewis B., and A. J. Moyer, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Production of itaconic acid. 2,462,981, Mar. 1.
- Lockwood, Lloyd K., Saginaw, Mich. Roofing fastener. 2,475,795, July 12.
- Lockwood, Samuel K., Carmel, and J. L. Smith, Pacific Grove, Calif. Fish cleaning apparatus. 2,483,470, Oct. 4.
- Lockwood, William H.: *See*—
Detrick, Stanley R., Lockwood, and Whitman.
- Locomotive Firebox Company, assignee: *See*—
Glos, Raymond E.

- Lodding Engineering Corporation, assignee: *See*—
Ljungquist, Ernst R.
- Loder, Donald J.: *See*—
Gray, Allen G., Gresham, and Loder.
- Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethylene-urea. 2,474,004, June 21.
- Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of α -alkoxy acids and esters. 2,480,586, Aug. 30.
- Lodes, Catherine, assignee: *See*—
Wiggers, Edna M.
- Lodge, William H., Hershey, Pa. Surgical device. 2,491,570, Dec. 20.
- Loeb, Moritz, New York, N. Y. Merchandise display card. Re. 23,088, Mar. 8.
- Loeffler, John E., assignor to Thornhill-Craver Company, Houston, Tex. Aligning device for tubing. 2,477,884, Aug. 2.
- Loehr, Ewald and E. G. Sprink, Milwaukee, Wis. Door check. 2,484,717, Oct. 11.
- Loelkes, George L., Maplewood, assignor to Blackmer and Post Pipe Company, St. Louis, Mo. Septic tank. 2,482,353, Sept. 20.
- Loening, Erich E.: *See*—
Gresham, Donald C., and Loening.
- Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Spring support for pipes. 2,480,487, Aug. 30.
- Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Spring support. 2,480,864, Sept. 6.
- Loeser, George H., Malden, and C. C. Gangie, Woburn, assignors to Unity-Carr Fastener Corporation, Cambridge, Mass. Rotary cleaning tool. 2,473,654, June 21.
- Loew, Elliott R., Jamaica, N. Y. Key holder. 2,482,422, Sept. 20.
- Loew, Theodore: *See*—
Hayner, Thomas R., and Loew.
- Loewe, Siegmund, and Bernard Lowe, Yonkers, N. Y. Watch dial projecting device using reflected light. 2,486,425, Nov. 1.
- Loewenheim, Ernst, London, England. Hinged type flue damper with auxiliary closure. 2,489,915, Nov. 29.
- Loewy, Albert T., New York, N. Y. Screw driver. 2,487,155, Nov. 8.
- Lofgren, Carl W., New York, N. Y. Reversible ratchet mechanism. 2,486,043, Oct. 25.
- Lofgren, Clarence R., Slatersville, R. I. Wall-supported food chopper. 2,478,292, Aug. 9.
- Lofgren, Einar G., assignor to Electro-Mechanical Laboratories, Incorporated, Minneapolis, Minn. Thermostatic switch. 2,476,498, July 19.
- Lofgren, Gustav E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner. 2,488,300, Nov. 15.
- Lofgren, Hakan A., Rockford, Ill. Clothesline reel. 2,479,946, Aug. 23.
- Lofstrand, Anders R., Silver Spring, Md. Glassware washing machine. 2,480,150, Aug. 30.
- Lofstrand, Anders R., Silver Spring, Md. Leverage pulley. 2,480,865, Sept. 6.
- Löfström, Ernst G. H.: *See*—
Bergman, Per F., and Löfström.
- Loftin, J. S., assignee: *See*—
Clair, Louis C.
- Lofton, Jesse H.: *See*—
Keil, Otto C., Jr., and Lofton.
- Loftus Engineering Corporation, assignee: *See*—
Campion, Donald C.
Campion, Donald C., Sr.
- Loftus Engineering Corporation, Inc., assignee: *See*—
Guthrie, James M.
- Logan, Alexander, Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming metal tapes into tubular conductors. 2,469,565, May 10.
- Logan, Ashley J., assignor to C. F. Hathaway Co., Waterville, Maine. Collar. 2,472,430, June 7.
- Logan Engineering Co., assignee: *See*—
Logan, Henry H.
- Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Shockproof electromagnetic relay. 2,481,431, Sept. 6.
- Logan, George H., Berkeley, Calif. Illuminated automobile sun visor mirror. 2,466,454, Apr. 5.
- Logan, Henry H., assignor to Logan Engineering Co., Chicago, Ill. Holst control mechanism. 2,489,913, Nov. 29.
- Logan, Howard E., assignee: *See*—
Domke, Edward A.
- Logan, James T.: *See*—
Cooper, James T., and Logan.
- Logan, James T., Atlanta, Ga., assignor to General Electric Company. Circuit closer. 2,485,394, Oct. 18.
- Logan, Joseph A.: *See*—
O'Donnell, Terrence C., and Logan.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Air supply control for oil burners. 2,458,392, Jan. 4.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil by-pass structure to avoid smoking of oil burners. 2,461,991, Feb. 15.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Air control mechanism for oil burners. 2,464,698, Mar. 15.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dual firing rate house heating oil burner. 2,464,699, Mar. 15.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Emergency operating mechanism for dual nozzle oil burners. 2,464,700, Mar. 15.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Conversion unit for gun type oil burners. 2,466,249, Apr. 5.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,469,271, May 3.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pressure atomizing oil burner. 2,469,272, May 3.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Automatically variable air supply control for oil burners. 2,485,206, Oct. 18.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Air control for tubular combustion chambers of oil burners. 2,485,207, Oct. 18.
- Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Variable firing rate oil pressure atomizing burner. 2,490,529, Dec. 6.
- Logan, Joseph A., Hadley, and P. H. Bills, Longmeadow, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dual oil burner with common air and oil control. 2,464,697, Mar. 15.
- Logan, Leonard M., III, Norman, assignor of one-half to J. D. Calvert, Ardmore, Okla. Cigarette lighter. 2,479,244, Aug. 16.
- Logansport Machine Co. Inc., assignee: *See*—
Proctor, Harry L.
- Lo Gerfo, Salvatore, Brooklyn, N. Y. Apparatus for chilling fluids. 2,470,936, May 24.
- Logie, Thomas T., Bridgeport, and J. J. Galla, Fairfield, Conn., assignors, by mesne assignments, to Sprague Electric Company, North Adams, Mass. Condenser winder. 2,467,897, Apr. 19.
- Logsdon, Clyde, Carthage, Mo. Heating apparatus. 2,484,517, Oct. 11.
- Logston, Robert, assignee: *See*—
Mozingo, Guy K.
- Logue, Leland H., Denver, Colo., assignor, by mesne assignments, to Mining Process and Patent Company. Settling method and apparatus. 2,460,834, Feb. 8.
- Logue, Leland H., assignor to Mining Process and Patent Company, Denver, Colo. Vibrating screen with vacuum control therefor. 2,462,878, Mar. 1.
- Logue, Regina K., Philadelphia, Pa. Article of furniture. 2,461,385, Feb. 8.
- Lohmann, Earle F., Overland, Mo., assignor to Curtiss-Wright Corporation. Apparatus for rolling flanges on tubes. 2,469,775, May 10.
- Lohn, Leif K., Norwich, N. Dak. Combine platform control. 2,473,655, June 21.
- Lohr, Clarence: *See*—
Van Uum, John H., Emming, and Lohr.
- Lohr, Ernst, Kusnacht, Zurich, Switzerland. Memo attachment for table telephones. 2,479,752, Aug. 23.
- Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Electric resistance element and heat-treatment. 2,460,590, Feb. 1.
- Lohs, Willy, Berlin-Siemensstadt, Germany, vested in the Attorney General of the United States. Locking mechanism for aircraft retractable landing gear. 2,476,154, July 12.
- Lohse, Fred, Oakland, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation. Preparation of furnace feed. 2,477,412, July 26.
- Lohutko, Floryan A., Detroit, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Dressing threaded abrasive wheels. 2,482,784, Sept. 27.
- Lohutko, Floryan A., Detroit, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Threaded abrasive wheel dresser. 2,482,785, Sept. 27.
- Loisy, René A.: *See*—
Beja, Maurice, and Loisy.
- Loker, Elmer H., assignor of one-half to E. P. Stahly, Sioux City, Iowa. Teetering device. 2,471,572, May 31.
- Loikema, Jan, Hoogezaand, Netherlands, vested in the Attorney General of the United States. Producing ethers and esters of carbohydrates. 2,459,108, Jan. 11.
- Lollar, Myron E., executor: *See*—
Monroe, Benjamin C.
- Loll, John and G. Papitto, assignors of one-third to R. C. Davis, Chicago Heights, Ill. Automatic selector for radio receivers. 2,463,290, Mar. 1.
- Lollis, Glen N., assignee: *See*—
Dalbey, Russell L.

- Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Selector switch for automatic telephones. 2,481,851, Sept. 13.
- Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone alarm call system. 2,483,214, Sept. 27.
- Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic restricted service telephone system. 2,490,221, Dec. 6.
- Lomax, Clarence E., and R. W. Jones, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse correcting repeater. 2,487,252, Nov. 8.
- Lombard, Adrian A., Clitheroe, G. Oulianoff, Rimington near Clitheroe, and R. Janes, Duffield, assignors to Rolls-Royce Limited, Derby, England. Mounting of jet pipes in gas-turbine or jet-propulsion units. 2,466,602, Apr. 5.
- Lombard, Robert H.: See—
Milligan, Lowell H., and Lombard.
- Lombardi, Cyrus, Brooklyn, N. Y. Buckle. 2,473,209, June 14.
- Lomellino, George F., assignor of one-half to L. E. Ostrom, Olney, Ill. Extension joint. 2,461,823, Feb. 15.
- Lomholt, Carl, Bogota, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicator for telephone switchboards. 2,485,615, Oct. 25.
- Lomner, Max, New York, N. Y. Automatic rope lock. 2,471,335, May 24.
- Londergan, Thomas E.: See—
Walker, Joseph F., and Londergan.
- Londergan, Thomas E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of halogenated alcohols and formals. 2,461,906, Feb. 15.
- Londergan, Thomas E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of butinediol. 2,487,008, Nov. 1.
- Londergan, Thomas E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of butinediol. 2,487,009, Nov. 1.
- London Tin Corporation Limited, assignee: See—
Cothay, Frank H.
- Lone Star Steel Company, assignee: See—
Drescher, Arthur B.
- Long, Chester C., Los Angeles, Calif., assignor of one-half to Ballinger Mills, Jr., Galveston, Tex. Clothesline pole. 2,460,699, Feb. 1.
- Long, Cyrus M., Auburn, Wash. Building block molding machine. 2,475,904, July 12.
- Long, E., Limited, assignee: See—
Lancaster, Arthur W.
Patmore, De Forest C.
- Long, George B., assignor to General Motors Corporation, Dayton, Ohio. Control. 2,479,047, Aug. 16.
- Long, George W.: See—
Lowe, Sherwin P., Long, Kent, and Downes.
- Long, Gleaman D., Sterling, Kans. Dowelling jig. 2,470,038, May 10.
- Long, James L., Levy, assignor of twenty per cent to G. Moody, twenty per cent to A. Jones, and twenty per cent to S. D. Gray, North Little Rock, Ark. Dash-controlled hydraulic jack. 2,473,757, June 21.
- Long, John D.: See—
Hillman, Charles A., Long, and Scott.
- Long, John D., Westfield, and C. O. Rhys, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Method and apparatus for counter-current contacting of liquids. 2,460,019, Jan. 25.
- Long, John H.: See—
Ressler, Hugh C., and Long.
- Long, John H., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Screen for optical displacement gauges. 2,472,380, June 7.
- Long, John H., Marshallton, and D. H. Sheffield, assignors to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of butadiene in the presence of a salt of a middle fraction of a dehydrogenated rosin. 2,485,616, Oct. 25.
- Long, John H., Marshallton, and D. H. Sheffield, assignors to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of butadiene in the presence of a salt of a dehydrogenated middle fraction of rosin. 2,486,183, Oct. 25.
- Long, John R.: See—
Clifford, Albert M., and Long.
- Long, Leighton M., Toledo, Ohio. Smelting and refining. 2,465,893, Mar. 29.
- Long, Loren M., assignor to Parke, Davis & Company, Detroit, Mich. Hydantoins and obtaining the same. 2,466,177, Apr. 5.
- Long Manufacturing Company, assignee: See—
Nikkel, Benjamin L.
- Long, Margaret, Baltimore, Md. Electric razor holder. 2,471,825, May 31.
- Long, Orville J., Sun Prairie, Wis., and A. C. Roy, Teaneck, N. J., assignors to Quaker Manufacturing Company, Chicago, Ill. Demonstration kit. 2,492,532, Dec. 27.
- Long, Robert S.: See—
Lecher, Hans Z., and Long.
Lecher, Hans Z., Parker, and Long.
- Long, Robert W., Winter Park, Fla., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for obtaining X-ray diffraction patterns. 2,483,500, Oct. 4.
- Long, Roy B., Rosewood, Ohio. Vegetable slicer. 2,463,189, Mar. 1.
- Long, Sidney L., Minneapolis, Minn. Miniature bowling apparatus. 2,469,236, May 3.
- Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Head for magnetic recording machines. 2,468,601, Apr. 26.
- Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for analyzing waves. 2,491,189, Dec. 13.
- Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for analyzing waves. 2,491,190, Dec. 13.
- Long, Tom K., Akron, Ohio. Illuminating unit for conventional fishing lures or bait. 2,458,611, Jan. 11.
- Long, Walter K., assignor, by mesne assignments, to Welch Allyn, Inc., Auburn, N. Y. Portable vision test chart illuminator. 2,466,958, Apr. 12.
- Long, Walter K., assignor, by mesne assignments, to Welch Allyn, Inc., Auburn, N. Y. Portable vision testing kit having an eye testing target chart and illuminating means therefor. 2,478,682, Aug. 9.
- Long, William C., Pausboro, and H. O. Button, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Dewaxing oil and continuous rotary filter therefor. 2,484,304, Oct. 11.
- Longacre, Richard E., Wayne, assignor to General Refractories Company, Philadelphia, Pa. Refractory lining for furnace doors. 2,475,102, July 5.
- Longberg, Harry E., Superior, Wis. Illuminating means. 2,479,500, Aug. 16.
- Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Concrete placement apparatus. 2,485,208, Oct. 18.
- Longenecker, Levi S., Mount Lebanon, Pa. Glass melting furnace. 2,460,514, Feb. 1.
- Longenecker, Levi S., Mount Lebanon, Pa. Sand seal shoe. 2,463,633, Mar. 8.
- Longenecker, Levi S., Pittsburgh, Pa. Refractory block furnace enclosure structure with oxidizable metal reinforcing means. 2,476,423, July 19.
- Longepierre, Henri, Lyons, France; vested in the Attorney General of the United States. Retractable landing gear. 2,467,898, Apr. 19.
- Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical appliance for bone fractures. 2,486,303, Oct. 25.
- Longini, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cathode spot control. 2,491,990, Dec. 20.
- Longley, Horace E., Waverly, assignor of one-third to A. A. Linster, Elmira, N. Y. Pneumatic buffing and abrading head. 2,475,972, July 12.
- Longley, James E., Verona, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for testing cylinders. 2,479,847, Aug. 23.
- Longley, Kermit D., Philadelphia, assignor to Quaker Chemical Products Corp., Conshohocken, Pa. Derivatives of parabanic acid. 2,463,986, Mar. 8.
- Longo, Andrew J., assignee: See—
Barbagallo, Alfred.
- Longwell, John P., Roselle Park, N. J., assignor to Standard Oil Development Company. Controlled catalytic vapor phase process. 2,491,500, Dec. 20.
- Longwell, Waldo W., Elmira, N. Y. Freight handling. 2,467,323, Apr. 12.
- Longworth, John, Haddon Heights, and T. A. Deuber, Westville, N. J. Stem lock for dial gauges. 2,482,783, Sept. 27.
- Lonnee, Clifford J.: See—
Flora, Rudolph F., Olsen, and Lonnee.
Olsen, Ernest R., Flora, and Lonnee.
- Longren, Bruno L., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Control for clamshell buckets. 2,464,245, Mar. 15.
- Longren, Harold E., New York, N. Y. Straighten shoe soles. 2,473,490, June 14.
- Lonon, Charles B.: See—
Furer, Edward, and Lonon.
- Lonstein, Irving, and J. Glick, New York, N. Y. Collapsible bath and dressing table. 2,481,318, Sept. 6.
- Lontz, John F., Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plant regulant composition and method. Re. 23,115, May 24.
- Looff, Arthur, assignee: See—
Engstrom, Vincent C.
- Looke, Harry H., Caulfield, Victoria, Australia. Roller vane rotary pump. 2,460,018, Jan. 25.
- Looke, Harry H., Caulfield, Victoria, Australia. Fluid seal for rotating shafts. 2,489,191, Nov. 22.
- Looker, William H., Burlington, Iowa. Christmas tree stand or holder. 2,461,748, Feb. 15.
- Loomis, Eugene C., Grosse Pointe Park, A. Ryder, Detroit, and C. George, Jr., Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Purifying antifibrinolysin. 2,490,911, Dec. 13.

- Loomis, Eugene C., Grosse Pointe Park, A. Ryder, Detroit, and C. George, Jr., Ferndale, assignors to Parke, Davis & Company, Detroit, Mich. Purifying antifibrinolysin. 2,490,912, Dec. 13.
- Loomis, George L.: *See*—
Reitz, Norman J., and Loomis.
- Loosjes, Robert: *See*—
Veememans, Cornelis F., and Loosjes.
- Loosjes, Robert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing cathodes for electron discharge tubes. 2,464,702, Mar. 15.
- Loosjes, Robert and H. J. Vink, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing an oxide cathode for an electric discharge tube, and discharge tube made according thereto. 2,464,874, Mar. 22.
- Loosli, Dimond H., Idaho Falls, Idaho. Ditch dam. 2,485,755, Oct. 25.
- Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Signal transmission circuit for seismographs. 2,467,624, Apr. 19.
- Lopez, Rufino, and B. Allen, Brownsville, Tex. Air cleaner. 2,474,746, June 28.
- López-Henriquez, Miguel, New York, N. Y. Film reel. 2,475,036, July 5.
- López-Henriquez, Miguel, New York, N. Y. Film reel. 2,475,037, July 5.
- Lorain Products Corporation, assignee: *See*—
Huge, Henry M.
Krok, Walter P.
Pohm, George H.
Pohm, George H., and Huge.
- Lorain County Radio Corporation, The, assignee: *See*—
Heisner, Donald A.
- Lorand, Eugene J.: *See*—
Bishop, William T., Lorand, and Reese.
- Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Separation of polyhydric alcohols. 2,461,220, Feb. 8.
- Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Reduction of hydroperoxides. 2,484,841, Oct. 18.
- Lorand, Eugene J., Wilmington, Del., and J. E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Catalytic hydrogenation of hydroperoxides. 2,491,926, Dec. 20.
- Lorant, Hugo, New York, N. Y. Closure plug. 2,491,897, Dec. 20.
- Lorant, Lionel, Long Island City, N. Y. Regulated transformer. 2,471,222, May 24.
- Lorber, Charles, Louisville, Ky. Combination quiz device. 2,469,231, Jan. 18.
- Lorber, Charles, Louisville, Ky. Self-quiz device. 2,471,223, May 24.
- Lord, Albert S.: *See*—
Schoepe, Adolf, and Lord.
- Lord, Arthur H., Jr.: *See*—
Herzog, Gerhard, and Lord.
- Lord, Arthur V., assignor to Pye Limited, Cambridge, England. Generator of time modulated pulses. 2,479,947, Aug. 23.
- Lord, Chester R., Mineral City, Ohio. Screened eaves trough. 2,461,610, Feb. 15.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric induction apparatus. 2,462,651, Feb. 22.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electronic control circuit for performing a timing function. 2,471,826, May 31.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric coil. 2,478,633, Aug. 9.
- Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Pulse generating circuit. 2,485,395, Oct. 18.
- Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,467,759, Apr. 19.
- Lord, Hugh C., Erie, Pa. Cushioned tire. 2,469,394, May 10.
- Lord Manufacturing Company, assignee: *See*—
Campbell, Bruce W.
Lord, Hugh C.
Kaemmerling, Gustav H.
Keetch, William A.
Roche, Paul C.
- Lord, Maxwell A., Denver, Colo. Device for holding and setting jointer knives. 2,481,936, Sept. 13.
- Lord, Perley P., South Lancaster, Mass. Attachment for tractors. 2,468,602, Apr. 26.
- Lorenger, Henri M., assignee: *See*—
Nelson, Harry.
- Lorentzen Hardware Mfg. Corp., assignee: *See*—
Nelson, Harry.
Vigneault, Joseph.
- Lorentzen, Paul E.: *See*—
Doucette, Adrain R., and Lorentzen.
- Lorenz, Anton, Buffalo, N. Y. Adjustable bed frame. 2,468,766, May 3.
- Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,470,781, May 24.
- Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,472,854, June 14.
- Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,472,855, June 14.
- Lorenz, Anton, Buffalo, N. Y. Adjustable seat structure. 2,474,264, June 28.
- Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,474,265, June 28.
- Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,478,769, Aug. 9.
- Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,478,770, Aug. 9.
- Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding batch to glass melting furnaces. 2,471,336, May 24.
- Lorenz, Henry T., assignor, by mesne assignments, to H. J. Graw, Chicago, Ill. Thread inspecting or gauging apparatus. 2,484,953, Oct. 18.
- Lorenz, John, Forest Hills, N. Y., assignor, by mesne assignments, to E. U. Andrews, Greenwich, Conn. Shaving apparatus. 2,472,853, June 14.
- Lorenzen, Roger E., Niles, Mich. Demountable work tray. 2,481,604, Sept. 13.
- Lorenzen, Thorvald C., Racine, Wis. Christmas tree holder. 2,464,593, Mar. 15.
- Loria, Anthony: *See*—
Dickey, Joseph B., Loria, and Towne.
- Lorig, Edwin T., Bellevue, Pa., assignor to Carnegie-Illinois Steel Corporation. Method and apparatus for the electrolytic coating of metal strip. 2,461,556, Feb. 15.
- Lory, George, Los Angeles, Calif. Square root radial averager. 2,458,009, Jan. 4.
- Lorz, Emil: *See*—
Baltzly, Richard, and Lorz.
- Los Angeles Paper Box Factory, assignee: *See*—
Adams, Floyd W.
- Loss, Isidor R., Rowayton, Conn., assignor to Ingersoll-Rand Company, New York, N. Y. Surge preventing device for centrifugal compressors. 2,470,565, May 17.
- Lott, David L., Denver, Colo. Gun for spraying powder. 2,461,611, Feb. 15.
- Lott, Stanley A., assignor to Amalgamated Wireless (Australia) Limited, Sidney, New South Wales, Australia. Frequency changer. 2,490,448, Dec. 6.
- Lott, William A., Maplewood, J. Bernstein, and B. Sterns, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Bis-glycolic acid amides of 2,6-diamino-pyridines, and preparing them. 2,461,119, Feb. 8.
- Lott, William A., Maplewood, and W. Braker, Newark, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. 2-sulfanilamido-4-alkoxymethyl-6-methylpyrimidines and their preparation. 2,484,629, Oct. 11.
- Lotter, Adolph G., assignor to Stationers Loose Leaf Company, Milwaukee, Wis. Posting tray. 2,463,117, Mar. 1.
- Lotterer, Victor G., Baltimore, Md. Sales book pencil holder. 2,490,141, Dec. 6.
- Louchheim, Stuart F., Bethayres, assignor to Motor Parts Company, Philadelphia, Pa. Record player with inclined turntable. 2,489,146, Nov. 22.
- Loucks, George P., Toledo, Ohio. Electrode holder for arc welding. 2,479,127, Aug. 16.
- Loucony, Adolphe, Bridgeport, and H. Eick, Milford, assignors to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Sanding machine. 2,483,369, Sept. 27.
- Louden Machinery Company, The, assignee: *See*—
Spafford, Ralph W.
- Loudfoot, David J., Springfield, Mass. Tool for turning threaded container caps. 2,453,393, Jan. 4.
- Loughborough, Dwight L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Means for preventing the accumulation of ice on aircraft surfaces and the like. 2,471,224, May 24.
- Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Signal generator. 2,461,120, Feb. 8.
- Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ultra high frequency oscillation generator. 2,472,598, June 7.
- Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Superregenerative receiver. 2,481,852, Sept. 13.
- Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Loop-antenna tuning system. 2,469,168, May 3.
- Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Time-sharing transponder system. 2,478,409, Aug. 9.
- Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wave-signal analyzing system. 2,490,530, Dec. 6.
- Lougovoy, Boris N., Jackson Heights, N. Y. Chewing gum base. 2,489,147, Nov. 22.
- Louisiana State University and Agricultural and Mechanical College, Board of Supervisors, of, assignee: *See*—
Kaloveras, Socrates A.
- Loukowsky, Serge A., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing organic crystallizing liquid stable phthalocyanine pigments. 2,486,304, Oct. 25.
- Loumet et Lavigne, Jean, Plats de la Teja, Itabo, Cuba. Fluid separator. 2,473,602, June 21.

- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,475,670, July 12.
- Lou-Son Development Co., assignee: *See*—Johnson, Jack.
- Louvroil-Montbard-Aulnoye, assignee: *See*—Croyere, Ghislain.
- Lovable Brassiere Co., The, assignee: *See*—Garson, Frank.
- Love, Angus, Cunnor, England. Instrument for measuring resistances. 2,460,095, Jan. 25.
- Love, Cecil P., Rock Island, Ill. One-revolution latch-operated clutch. 2,457,827, Jan. 4.
- Love, Donald M., Washington, D. C. Keyer circuit. 2,477,634, Aug. 2.
- Love, Jabez A., Eau Claire, Mich. Implement hitch for tractors. 2,477,994, Aug. 2.
- Love, Robert M.: *See*—Browder, John G., Love, Schutze and Tannich.
- Lovejoy, Charles K., Needham, assignor to The Moore Pen Company, Boston, Mass. Barrel collet for mechanical pencils. 2,486,663, Nov. 1.
- Loveland, Theron A., Jr., Niles, assignor to Republic Steel Corporation, Cleveland, Ohio. Lead plating bath. 2,466,660, Apr. 5.
- Lovell, Barbara J.: *See*—Crowther, Albert F., Curd, Lovell, Openshaw, and Todd.
- Lovell, Clarence A.: *See*—Darlington, Sidney, and Lovell.
- Lovell, Clarence A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical computing system. 2,476,747, July 19.
- Lovell, Clifton L.: *See*—Strohmaier, Alfred J.
- Lovell, John B., Baton Rouge, La., assignor to Standard Oil Development Company. Butadiene extraction. 2,472,487, June 7.
- Lovell, John B., and M. C. Fuqua, Baton Rouge, La., assignors to Standard Oil Development Company. Purification of halogenated hydrocarbon solvents. 2,467,394, Apr. 19.
- Lovell, Wheeler G., V. A. Miller, M. J. Mulligan, and H. K. Lichtenwalner, assignors to General Motors Corporation, Detroit, Mich. Especially reactive lime and producing it. 2,474,207, June 28.
- Lovens kemiske Fabrik v/Aug Konsted, assignee: *See*—Bennekou, Ingolf.
- Lovering, William G.: *See*—Whitehead, Frederick W., and Lovering.
- Lovett, Leroy W., and S. S. Sherrill, Baltimore, and A. Steigler, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for applying plastic material to cables. 2,461,647, Feb. 15.
- Loock, John B., Glendale, assignor to Allied Appliance Co., Los Angeles, Calif. Testing instrument for machined parts. 2,474,482, June 28.
- Lo Vico, Rosario, Astoria, Long Island, N. Y. Preset pressure can for frozen foods or the like. 2,461,557, Feb. 15.
- Lovig, Edward E., Chicago, Ill. Apparatus and process for making filaments. 2,470,039, May 10.
- Loving, William, Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of carbon black. 2,462,026, Feb. 15.
- Lovins, Gerald H., Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc. Level device employing a light reflecting liquid surface as a horizontal reference surface. 2,460,836, Feb. 8.
- Low, Archibald R., and R. S. Segsworth, Toronto, Ontario, Canada, assignors to The General Engineering Company (Canada) Limited. Electrical hygrometer. 2,466,903, Apr. 12.
- Low, Frank S., Bronxville, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Recovery of chlorine from hydrogen chloride. 2,468,766, May 3.
- Low, Frank S., Bronxville, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Electrolytic cell and operating same. 2,470,073, May 10.
- Low, John A.: *See*—Hindley, Nathan C., and Low.
- Low, John J., Los Angeles, Calif. Spring suspension for vehicle trucks. 2,469,566, May 10.
- Lowber, David D., Snyder, J. D. Reardon, and P. W. Collyer, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Calibrated retardation plate for measuring birefringence and making same. 2,460,515, Feb. 1.
- Lowber, David D., Snyder, and L. J. Peters, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Vertical illuminator. 2,471,879, May 31.
- Lowden, William P., Pitman, N. J., assignor to Radio Corporation of America. Sealing composition containing asphalt, N-butyl methacrylate and cetyl acetamide wax. 2,486,487, Nov. 1.
- Lowdermilk, Ford R.: *See*—Houghton, Augustus S., and Lowdermilk.
- Lowe, Arthur R.: *See*—Cook, J. G., Dickson, Lowe, and Whinfield.
- Lowe, Bernard: *See*—Loewe, Siegmund, and Lowe.
- Lowe, Clinton A., assignee: *See*—Lumpkin, Kenneth L.
- Lowe, Cuthbert J. J., Cheltenham, England. Hand operable indicating appliance. 2,474,432, June 28.
- Lowe, Jane A., administratrix: *See*—Rutherford, Peter B., and Lowe.
- Lowe, Joseph N., New York, N. Y. Reinforced bag having flexible cover smoothed by its securing means. 2,490,222, Dec. 6.
- Lowe, Kenneth J.: *See*—Rutherford, Peter B., and Lowe.
- Lowe, Mary C., Westfield, Mass. Attachment for operating tables. 2,463,400, Mar. 1.
- Lowe, Metcalf B., Long Beach, Calif. Combination heating, welding, and cutting torch. 2,463,399, Mar. 1.
- Lowe, Richard H., University City, Mo., assignor to American Cyanamid Company, New York, N. Y. Separation of solids by use of heavy media. 2,490,365, Dec. 6.
- Lowe, Russel E.: *See*—Morgan, John D., and Lowe.
- Lowe, Sherwin P., G. W. Long, G. H. Kent, and K. W. Downes, Flin Flon, Manitoba, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Electrolytically producing zinc of high purity. 2,471,965, May 31.
- Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Hardened polyvinyl alcohol silver halide photographic coatings. 2,481,676, Sept. 13.
- Lowe, Wesley G., and K. P. Griffin, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing photographic emulsions. 2,484,456, Oct. 11.
- Loweke, Erwin F., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Pressure-regulating valve assembly. 2,476,054, July 12.
- Lowell, Jack S., Portland, Ore. Acoustical tile supporting frame. 2,476,499, July 9.
- Lowell Specialty Company, assignee: *See*—Fletcher, Lynn, and Winks.
- Lowen, Leslie, Wyandotte, assignor, by mesne assignments, of nine thousand four hundred and forty-eight ten thousand five hundred and seventieths to Chemprolin Products, Trenton, Mich., five hundred and sixty-one ten thousand five hundred and seventieths to L. Kormendi, New York, N. Y., and five hundred and sixty-one ten thousand five hundred and seventieths to B. C. Bockeler, Grosse Ile, Mich. Gluten containing compositions. 2,461,829, Feb. 15.
- Lowenbein, Albert, London, England. Manufacture of 5,6-unsaturated 7-halogeno-steroids and 5,6-unsaturated 7-dehydro-steroids. 2,476,424, July 19.
- Lowenheim, Frederick A., Plainfield, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Electroplating of tin. 2,458,912, Jan. 11.
- Lowenstein, Louis A., assignor to N. R. Leadlay, San Francisco, Calif. Box parallel. 2,491,672, Dec. 20.
- Lower, Louie H., Hayden Lake, Idaho. Violin. 2,485,158, Oct. 18.
- Lowkrantz, Gunne: *See*—Wood, William W., Jr., and Lowkrantz.
- Lowkrantz, Gunne, assignor to Link Aviation Devices, Inc., Binghamton, N. Y. Adjustable indicating structure on a measuring apparatus. 2,467,899, Apr. 19.
- Lowkrantz, Gunne, Binghamton, N. Y., and K. A. Kail, Montrose, Pa., assignors to Link Aviation, Inc. Wind drift instrument. 2,485,301, Oct. 18.
- Lowman, Edward W., assignee: *See*—Rehman, Irving.
- Lowndes, John H., Schenectady, N. Y., assignor to General Electric Company. Electromagnetically operated switch. 2,475,331, July 5.
- Lowrey, Chauncey H.: *See*—Berninger, Kenneth L., and Lowrey.
- Lowrey, George A., Houston, Tex. Pipe coupling. 2,471,759, May 31.
- Lowrey, George A., Houston, Tex. Releasing spear. 2,487,456, Nov. 8.
- Lowry, Albert H., San Diego, Calif. Health promoting appliance. 2,475,905, July 12.
- Lowry, Charles E.: *See*—Stanton, George W., and Lowry.
- Lowry, Jesse R., Des Moines, Iowa. Claw assembly for milking machines. 2,490,366, Dec. 6.
- Lowry, Robert D.: *See*—Graham, Joseph P., and Lowry.
- Lowry, Robert D., and W. R. Church, assignors to The Dow Chemical Company, Midland, Mich. Machine for welding thermoplastic films. 2,469,972, May 10.
- Lowry, Robert D., and C. R. Irons, assignors to The Dow Chemical Company, Midland, Mich. Packaging foods to be frozen. 2,480,082, Aug. 23.
- Lowther, Harry A., Co., assignee: *See*—Douglas, Melvin.
- Loxterman, Henry R., Chicago, Ill., assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace door. 2,471,275, May 24.
- Loy, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Noncatalytic cracking of a hydrocarbon oil. 2,460,463, Feb. 1.
- Loy, Rosa P., Long Beach, Calif. Bathing cap ensemble. 2,477,489, July 26.
- Loycz, Julius, South Amboy, N. J. Combined mixer and cooler for drinks. 2,462,757, Feb. 22.

- Lozinski, Cezary W., New Britain, Conn. Variable transmission. 2,491,121, Dec. 13.
- Lozon, William H., Sr., Detroit, Mich. Hand truck. 2,476,202, July 12.
- Luaces, Enrique L., assignor, by mesne assignments, to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Ion-exchange resin. 2,460,516, Feb. 1.
- Luaces, Enrique L., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle coating composition. 2,465,243, Mar. 22.
- Luaces, Enrique L., Dayton, Ohio, assignor to The Dayton Rubber Company. Spinning cot. 2,467,213, Apr. 12.
- Luaces, Enrique L., Dayton, Ohio, assignor to The Dayton Rubber Company. Spinning cot. 2,467,214, Apr. 12.
- Luaces, Enrique L., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Uncooked wrinkle composition containing synthetic rubber and conjugated double bonded oil. 2,463,989, May 3.
- Luaces, Enrique L., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle drying composition containing dextran benzyl ether. 2,490,070, Dec. 6.
- Lubbock, Isaac, and F. J. Battershill, Great Saint Helens, London, assignors, by mesne assignments, to Power Jets (Research & Development) Limited, London, England. Combustion burner. Re. 23,149, Sept. 20.
- Lubbock, John, London, England. Pipe joint. 2,468,885, May 3.
- Lubcke, Harry R., Hollywood, assignor to Thomas S. Lee Enterprises, Inc., Los Angeles, Calif. Electromechanical device. 2,463,785, Mar. 8.
- Lube-X Systems, Inc., assignee: See—
Purvis, Judson A.
- Lubin, George, New York, N. Y. Optical projection microscope comparator apparatus. 2,467,395, Apr. 19.
- Lubin, William, U. S. Navy. Producing coordinate screens for cathode-ray oscilloscopes. 2,487,817, Nov. 15.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Film processing unit. 2,458,394, Jan. 4.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Instrument for testing the accuracy of the angle between two prism faces. 2,461,166, Feb. 8.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Nonintermittent taking or projection of motion pictures. 2,464,138, Mar. 8.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Nonintermittent motion-picture apparatus. 2,464,139, Mar. 8.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Reflecting means for folding the light path in optical systems. 2,466,455, Apr. 5.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Dental X-ray film package. 2,472,599, June 7.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Optical erecting prism for folding a light path. 2,472,600, June 7.
- Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Safe-handling film processing unit. 2,475,973, July 12.
- Lubrizol Corporation, The, assignee: See—
Fritton, Carl F., Miller, and Craig.
- Lubrizol Development Corporation, The, assignee: See—
Lincoln, Bert H., and Byrkit.
- Luby, Henry, Denver, Colo. Automotive parts truck. 2,471,337, May 24.
- Lucas, Alfred R., Gallon, Ohio. Motor starting and safety switch. 2,475,038, July 5.
- Lucas, Alfred R., Gallon, Ohio. Motor starting switch. 2,475,039, July 5.
- Lucas, Donald F., assignee: See—
Pandolfi, Albert.
- Lucas, Fred H., Winnetka, Ill., and G. E. Rhodes, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation, and American Bridge Company. Method of and apparatus for inspecting and assorting metal disks and the like. 2,471,489, May 31.
- Lucas, Howard J., and F. R. Hepner, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Shaping articles of methyl methacrylate resin. 2,485,896, Oct. 25.
- Lucas, John H., trustee: See—
Simmonds, Wayne W.
- Lucas, Joseph, Limited, assignee: See—
Ifeld, Richard J.
Purden, Robert H.
Swift, William.
Watson, Ernest A.
Watson, Ernest A., and Shaw.
- Lucas-Milhaupt Engineering Sales Co., assignee: See—
Pandolfi, Albert.
- Luce, Richard W., Southport, Conn. Cowl fastener stud. 2,478,972, Aug. 16.
- Luce, Roy L., assignor to Hydro-Blast Corporation, Chicago, Ill. Projecting streams. 2,489,097, Nov. 22.
- Luce, Roy L., and A. D. Breejen, assignors to The Hydro-Blast Corporation, Chicago, Ill. Apparatus for reclaiming used foundry sand. 2,480,748, Aug. 30.
- Luce, Stewart B., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Reducing viscosity of cellulose nitrate with morpholine. 2,467,324, Apr. 12.
- Lucke, Charles W., Port Chester, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system. 2,489,916, Nov. 29.
- Luch, Henry F., Portland, Oreg. Deer call. 2,470,823, May 24.
- Lucia, Carroll J., Toledo, Ohio, and F. R. McFarland, Huntingdon Woods, assignors Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,473,157, June 14.
- Lucia, Louis V., assignee: See—
Short, Frank.
- Lucke, Charles E., New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Two-cycle scavenging engine, supercharging. 2,476,447, July 19.
- Luckins, William J., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Tool. 2,480,037, Aug. 23.
- Ludeking, Leslie A., assignee: See—
Kennerley, George R.
- Ludeman, Clifford G.: See—
Rees, Harry V., and Ludeman.
- Ludlow, Edmund: See—
Noblitt, Quintin G., and Ludlow.
- Ludt, Robert F., Carlisle, Pa. Pike pole. 2,465,024, Mar. 22.
- Ludvigsen, Leonard E., assignor to Mega Corporation, Los Angeles, Calif. Progressive illuminating means. 2,487,714, Nov. 8.
- Ludvigsen, Leonard E., assignor to Mega Corporation, Los Angeles, Calif. Progressive illuminating means. 2,487,715, Nov. 8.
- Ludwick, Maria T., Douglaston, and W. S. Murray, Utica, N. Y., assignors to The Indium Corporation of America. Preparing a surface for soldering by coating with indium. 2,464,821, Mar. 22.
- Ludwig, Barnett J., Toronto, Ontario, Canada. Pocket structure. 2,489,148, Nov. 22.
- Ludwig, Carl L., Los Angeles, Calif. Plunger fed dropper. 2,458,085, Jan. 4.
- Ludwig, Leon R., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Totally enclosed nonventilated motor. 2,458,010, Jan. 4.
- Ludwig, Leon R., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor with bore-centered bearings. 2,462,204, Feb. 22.
- Ludwig, Leon R., and W. H. Formbals, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deep-neck high-flux motor. 2,458,011, Jan. 4.
- Ludwig, Leon R., Wilkinsburg, B. P. Baker, Turtle Creek, and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,467,760, Apr. 19.
- Ludwig, Leon R., Wilkinsburg, H. J. Webb, Forest Hills, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,470,628, May 17.
- Ludwig, Leon R., Wilkinsburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,473,892, June 21.
- Ludwig, Leon R., and H. M. Wilcox, Wilkinsburg, and R. H. Leitzel, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid pressure operated circuit interrupter. 2,479,380, Aug. 16.
- Ludwig, Leon R., Wilkinsburg, and B. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,479,381, Aug. 16.
- Ludwig, Louis, Brooklyn, N. Y. Attachment plug base. 2,464,876, Mar. 22.
- Ludwig, Louis, New York, N. Y. Iron plug. 2,462,879, Mar. 1.
- Ludwig, Merle R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic measuring system having residual potential compensation. 2,488,420, Nov. 15.
- Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Slow setting cement and making the same. 2,470,505, May 17.
- Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Retarded cement. 2,471,632, May 31.
- Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Low water loss cement containing pregelatinized starch. 2,489,793, Nov. 29.
- Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Making yokes for garment hangers. 2,460,939, Feb. 8.
- Luebbers, Herman E.: See—
Pokorny, Stephen S., and Luebbers.
- Luecke, Harry F., Herndon, Va. Freezing cabinet with refrigerating removable unit. 2,462,115, Feb. 22.
- Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Ink distribution for rotary printing presses. 2,466,603, Apr. 5.
- Luekens, Claude A., Jr., Steamboat Springs, Colo. Ski pole. 2,473,158, June 14.

- Luenberger, Frederick O., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motor mounting. 2,473,105, June 14.
- Luenburg, Walter C., Evanston, assignor to Ekoo Products Company, Chicago, Ill. Pressure cooker cover fastener. 2,483,319, Sept. 27.
- Luening, William D.: *See*—
Robbins, Leroy V., Jr., and Luening.
- Luers, John M., assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich. Toolholder and blade. 2,485,055, Oct. 18.
- Luers, John M., Patents Incorporated, assignee: *See*—
Luers, John M.
- Luertzing, Walter O., assignor to Lurex Manufacturing Company, Vineland, N. J. Making tapered ground joints. 2,475,431, July 5.
- Luetkemeyer, Henry W., Euclid, and R. A. Schaefer, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing. 2,459,172, Jan. 18.
- Luety, William K., Honeoye Falls, N. Y. Projecting and magnifying contour comparator. 2,476,312, July 19.
- Luetzelschwab, Edgar J., Highland, Ind., assignor to Standard Oil Company, Chicago, Ill. Catalytic contacting apparatus. 2,491,618, Dec. 20.
- Lufkin, James E.: *See*—
Cavanaugh, Robert M., and Lufkin.
- Lufkin, Richard F., West Medford, Mass. Building unit for house construction. 2,460,464, Feb. 1.
- Lufkin Rule Co., The, assignee: *See*—
Witchger, Eugene J.
- Luginbuhl, Emil, Bedford, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Work centering attachment for metal turning machines. 2,471,038, May 24.
- Luhning, Elmer D., and C. J. Wiegand, Evansville, Ind. Awning. 2,464,454, Mar. 15.
- Luhrs, Arthur K., Garfield, assignor to J. Roehrich, Hackensack, N. J. Controlled temperature manifold. 2,475,552, July 5.
- Luisi, Luigi, New York, N. Y. Jig. 2,466,031, Apr. 5.
- Luisi, Luigi, New York, N. Y. Universal drill jig. 2,467,396, Apr. 19.
- Luitjens, Alvin H.: *See*—
Stoner, Justus S., and Luitjens.
- Lukacs, Joseph J., New Rochelle, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for simulating the engines and propeller vibrations of multiengine airplanes. 2,486,488, Nov. 1.
- Lukacs, Joseph J., New Rochelle, and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft personnel. 2,471,966, May 31.
- Lukas, Joseph C., Dunellen, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Tilting mixing machine. 2,485,302, Oct. 18.
- Lukasiewicz, Sigmund J.: *See*—
Brooks, John W., and Lukasiewicz.
Hartough, Howard D., Lukasiewicz, and Kosak.
- Lukasiewicz, Sigmund J., and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricants. 2,480,660, Aug. 30.
- Lukaszevig, Walter L., Milwaukee, Wis. Adjustable window screen. 2,486,568, Nov. 1.
- Lukeman, Richard J., Montreal, Quebec, Canada. Spark plug. 2,469,304, May 3.
- Lukens Steel Company, assignee: *See*—
Harrington, William J.
- Luker, Jackson M., Urbana, Ill. Wrapping tubular cake pans. 2,460,644, Feb. 1.
- Luketa, Frank J., Seattle, Wash. Lounge chair. 2,480,300, Aug. 30.
- Luketa, Frank J., Seattle, Wash. Chair. 2,481,133, Sept. 6.
- Luketa, Frank J., Seattle, Wash. Chair. 2,491,898, Dec. 20.
- Luley, John C., Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Swaging apparatus. 2,458,395, Jan. 4.
- Lull, Le Grand H., Minneapolis, Minn. Load carrier mounting. 2,458,949, Jan. 11.
- Lull, Stanley E.: *See*—
McKenzie, Ronald J., Scholes, and Lull.
- Lum, James H., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Molding powder of phenol-acetaldehyde resin containing manikara wood flour. 2,478,634, Aug. 9.
- Lumelite Electronic Company, assignee: *See*—
Calabrese, George V.
- Lummus Company, The, assignee: *See*—
Brunjes, Austin S., and Bogart.
Collins, Raymond R., and Mercier.
Davis, Hyman R.
Gadwa, Truman A., and Flaws.
Kraft, Wheaton W., Lambert, and Montross.
O'Connor, Ward J. F.
Omwake, Leon W.
Schauble, Otto C.
Schutte, August H.
Tomay, James P.
Worn, George A., and Evans.
Worn, George A., and Evans, Jr.
- Lumpkin, Kenneth L., Gladwater, assignor of one-fourth to C. A. Lowe, Houston, Tex. Aerated minnow bucket. 2,471,573, May 31.
- Lumsden, Ernest, Cleveland, Ohio. Rearview device having three connected movable mirrors. 2,467,266, Apr. 12.
- Lund, Malcolm G., Chicago, R. L. Atkinson, Hinsdale, and L. W. Staunton, Evanston, assignors to United Wallpaper, Inc., Chicago, Ill. Combination wallpaper and border package. 2,491,619, Dec. 20.
- Lund, Wilfrid H., Beckenham, England, assignor to General Electric Company. Vehicle headlamp. 2,465,106, Mar. 22.
- Lundahl, Walter N., Pikesville, and R. L. Wright, Severna Park, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tandem X-ray tube stabilizer. 2,492,304, Dec. 27.
- Lundahl, Walter S., assignor to The State Board of Agriculture, East Lansing, Mich. Model of nervous system of vertebrates. 2,489,427, Nov. 29.
- Lundal, Ingie J., Chicago, assignor to Sugar Creek Creamery Company, Danville, and Cherry-Burrell Corporation, Chicago, Ill., as joint owners. Centrifuge with primary and secondary zones of separation and process therefor. 2,485,209, Oct. 18.
- Lundback, Per G. F., Flysta, Sweden. Bridge for stringed instruments. 2,491,991, Dec. 20.
- Lundberg, Frank J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Capacitive switch. 2,485,617, Oct. 25.
- Lundberg, Hans T. F., assignee: *See*—
Bjarnason, Bjarni S.
Zuschlag, Theodore.
- Lundberg, Harry F.: *See*—
Brown, Morden G., and Lundberg.
- Lundberg, Harry F., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Optical comparison hemoglobinometer with switch for use of self-contained or external power sources. 2,486,956, Nov. 1.
- Lundberg, Lennart A.: *See*—
Dudley, James R., and Lundberg.
- Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion active resins prepared from alkylene polyamines and hydroxy-substituted aliphatic polyhalides. 2,469,693, May 10.
- Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Removing anions from liquids. 2,469,694, May 10.
- Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylidene-bis-acrylamides. 2,475,846, July 12.
- Lundberg, Lennart A., Stamford, and J. R. Dudley, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Removing anions from liquids. 2,469,692, May 10.
- Lundberg, Frank J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,465,382, Mar. 29.
- Lundberg, Frank J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Location finder. 2,468,090, Apr. 26.
- Lundbye, Axel E., North Pelham, N. Y., assignor to Crowell-Collier Publishing Company, Springfield, Ohio. Producing nickel powder from printing press plates and the like. 2,463,190, Mar. 1.
- Lunde, Alfred, Seattle, Wash. Towel rack. 2,476,555, July 19.
- Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Pipe tong having means for distributing pressure between the jaws. 2,466,032, Apr. 5.
- Lundegard, John E., Bremerton, Wash. Variable hydraulic pump or motor. 2,474,536, June 28.
- Lundell, Alvin O., assignor to The Albright-Nell Company, Chicago, Ill. Viscera and head inspection apparatus. 2,492,387, Dec. 27.
- Lundemo, Alvin C., Seabeck, Wash. Fishing spoon. 2,463,889, Mar. 8.
- Lundgren, Harold P., Berkeley, Calif., assignor to United States of America as represented by the Secretary of Agriculture. Dispersions of proteins in aqueous detergents. 2,459,708, Jan. 18.
- Lundgren, William E., Sharon, Mass., assignor to The M. W. Kellogg Company, Jersey City, N. J. Connector rod. 2,490,223, Dec. 6.
- Lundquist, Axel: *See*—
Williams, Edward R., Warmbein, and Lundquist.
- Lundquist, Carl E. E., Stockholm, Sweden. Support for vertically adjustable seats. 2,476,253, July 12.
- Lundquist, Ivan F., Norrköping, Sweden. Sawing machine. 2,480,942, Sept. 6.
- Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Internal-combustion engine. 2,466,550, Apr. 5.
- Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Gas turbine. 2,469,439, May 10.
- Lundquist, Wilton G., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Internal-combustion engine crankshaft and gearing. 2,479,245, Aug. 16.
- Lundquist, Wilton G., Hohokus, and F. P. Sollinger, Paterson, N. J., assignors to Wright Aeronautical Corporation. Combined seal and lubrication system. 2,463,890, Mar. 8.

- Lundqvist, Axel G., Lulea, and N. H. Lundqvist, Kiruna, assignors to K. O. Alenius, Lulea, Sweden. Card index file. 2,470,824, May 24.
- Lundqvist, Nils H.: *See*—
Lundqvist, Axel G. and N. H.
- Lundsted, Lester G., Grosse Ile, E. J. Schwoegler, and E. C. Jacobs, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Catalytic production of allyl alcohol from propylene oxide. 2,479,632, Aug. 23.
- Lundsten, Milton S., United States Navy. Hand-piece chuck. 2,460,302, Feb. 1.
- Lundstrom, Alexis A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized oscillator. 2,466,904, Apr. 12.
- Lundstrom, Carl B., Little Falls, N. Y. Guiding and supporting structure for drawers. 2,468,990, May 3.
- Lundstrom, Carl B., Little Falls, N. Y. Picker stick. 2,470,506, May 17.
- Lundstrom, Ida, St. Louis, Mo. Curtain fixture. 2,460,517, Feb. 1.
- Lundstrom, Nels, Altmont, N. Dak. Fireless brooder. 2,472,909, June 14.
- Lundstrum, Carl B., Little Falls, N. Y. Furniture component with hardened exposed surfaces. 2,488,301, Nov. 15.
- Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Co., Chicago, Ill. Latch mechanism for car doors. 2,468,936, May 3.
- Lundy, Alvin S.: *See*—
Schneible, Claude B., and Lundy.
- Luneburg, Rudolf K., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Optical objective system with spherical aberration correction means. 2,468,564, Apr. 26.
- Lunn, Edgar E., Los Angeles, Calif., assignor to Moore Business Forms, Inc. Manifolding salesbook. 2,488,672, Nov. 22.
- Lunt, George P., Wellesley Hills, assignor to Arthur D. Little, Inc., Cambridge, Mass. Vapor-compression distillation. 2,487,884, Nov. 15.
- Luomala, Karl A. E., Cloquet, Minn. Rake teeth and mounting therefor. 2,479,753, Aug. 23.
- Lupanoff, John, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring cushion construction. 2,460,424, Feb. 1.
- Lupo, Beatrice, New York, N. Y. Hospital bed jacket. 2,479,246, Aug. 16.
- Lupton, Elmer H., Ichester, Md., assignor to The Bartgis Bros. Company. Bottle carrier. 2,458,281, Jan. 4.
- Lupton, Elmer H., Ichester, Md., assignor to The Bartgis Bros. Company. Egg crate. 2,460,020, Jan. 25.
- Lupton, McSherry, Winchester, Va. Grading machine bin. 2,471,225, May 24.
- Lurex Manufacturing Company, assignee: *See*—
Luertzgen, Walter O.
- Lusignan, Joseph T., Jr., assignor to The Ohio Brass Company, Mansfield, Ohio. Pipe-line valve. 2,490,913, Dec. 13.
- Lusk, Rolland W., Dayton, Ohio. Spline aligning device for propellers or the like. 2,480,866, Sept. 6.
- Lusk, William J., Berea, Ohio. Tap grinding fixture. 2,486,044, Oct. 25.
- Lussier, Joseph A., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shoe with bellows pocket upper. 2,483,016, Sept. 27.
- Lust, Delmar H., Chicago, Ill., and B. C. Roemer, Tigerton, Wis. Archery hunting arrow. 2,467,838, Apr. 19.
- Lustig, Hans G.: *See*—
Fuhrer, Raymond A., Roughsedge, and Lustig.
- Lustig, Hilda: *See*—
Neuberg, Carl, and Lustig.
- Lustig, Walter R., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Seat slide. 2,483,653, Oct. 4.
- Lute, Carl: *See*—
Beauchamp, Wilfred A., and Lute.
- Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Stabilized composition. 2,479,948, Aug. 23.
- Lutey, William J., Seattle, Wash. Shoe sole. 2,468,886, May 3.
- Lutey, William J., Seattle, Wash. Dual loop resilient mat. 2,475,906, July 12.
- Luther, Walter R., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system for selector switches. 2,479,073, Aug. 16.
- Luton, Bradley O., Tacoma, Wash. Hand tool for loosening and forcing tire beads into rim centers. 2,481,764, Sept. 13.
- Luton, Dempsey A., and K. M. Johnson, Jackson, Wyo. Electric fishing reel. 2,470,507, May 17.
- Luttge, William G., Brooklyn, and F. T. Williams, New Rochelle, N. Y., assignors to American Viscose Corporation, Wilmington, Del. High-temperature responsive device. 2,487,156, Nov. 8.
- Luttgen, William H.: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.
- Luttrell, James E., Burgess Store, Va. Trailer drawbar support. 2,474,483, June 28.
- Lutts, Carlton G., Salem, Mass. Elastic proving bar. 2,492,164, Dec. 27.
- Lutz, George B., Lakewood, Ohio. Electric circuit controller. 2,471,633, May 31.
- Lutz, Jean V., Brooklyn, and E. H. Keyser, East Aurora, assignors to Hid-Lok Corporation, New York, N. Y. Door locking device. 2,488,213, Nov. 15.
- Lutz, Paul P., Greenfield, Ind. Trailer lift. 2,465,244, Mar. 22.
- Lutz, Samuel G., Washington, D. C. Electrical insulation testing apparatus. 2,460,835, Feb. 8.
- Lux, Christian, Sanish, N. Dak. Fire grate. 2,482,191, Sept. 20.
- Luzader, Bert C., Sr., Jonesboro, La. Blowpipe for heating tools. 2,473,435, June 14.
- Luzar, Thomas E., Chicago, Ill. Dental floss tooth cleaning apparatus. 2,460,591, Feb. 1.
- Luzardo, Rodolfo, Chacao, Venezuela. Child's nursing stand. 2,458,950, Jan. 11.
- Luzzatto, Ferdinand, and J. C. Palmer, Gary, Ind. Automatic shearing apparatus. 2,458,612, Jan. 11.
- Luzzi, August F., Wichita Falls, assignor to E. R. Rinehart, Jr., Fort Worth, Tex. Removing models from dentures. 2,464,140, Mar. 8.
- Lybarger, Samuel F., Canonsburg, assignor to E. A. Myers & Sons, Mount Lebanon, Pa. Electromagnetic mechanism for bone conduction receivers, etc. 2,463,786, Mar. 8.
- Lybyer, Benjamin H., Casper, Wyo., assignor of fifty per cent to W. M. Roberts, Ada, Okla. Gear actuated wrench. 2,466,456, Apr. 5.
- Lyijynen, Fred: *See*—
Prance, Alvin W., and Lyijynen.
- Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Press. 2,485,452, Oct. 18.
- Lyke, Henry W., assignor to Pierce Butler Radiator Corporation, Oswego, N. Y. Boiler construction. 2,464,701, Mar. 15.
- Lykken, Henry G. and W. H., Minneapolis, Minn. Bladed shear reducing mill. 2,468,337, Apr. 26.
- Lykken, William H.: *See*—
Lykken, Henry G. and W. H.
- Lyle, Frederick W., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Object detecting and indicating device. 2,473,893, June 21.
- Lyman, Harold T., Jr., Glen Arm, Md., assignor to Remington Rand Inc., New York, N. Y. Counting tube transfer circuit. 2,473,159, June 14.
- Lyman, John F.: *See*—
McFadden, George H., Lyman, and Horney.
- Lyman, Kenneth E., Lake Forest, assignor to Tucker Corporation, Chicago, Ill. Motor vehicle frame construction. 2,485,500, Oct. 18.
- Lynch, Corporation, assignee: *See*—
Rapp, Earl J., and Coon, Sr.
- Lynch, Lawrence, Los Angeles, Calif. Combination reciprocating and rotating tool. 2,490,449, Dec. 6.
- Lynch Manufacturing Corporation, assignee: *See*—
Albert, Karl.
- Lynd, Elmer F., Cleveland, Ohio. Alarm, light, and safety signaling device. 2,473,436, June 14.
- Lynn, Clarence, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator excitation system. 2,467,757, Apr. 19.
- Lynn, Clarence, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Furnace structure. 2,473,894, June 21.
- Lynn, George E., and C. E. Dieter, assignors to The Dow Chemical Company, Midland, Mich. Compositions of 2,2-di-(halo-phenyl)-1,1,1-trichloro-ethanes, and 2,4-dinitro-phenol compounds. 2,491,414, Dec. 13.
- Lynn, Harold R., Montreal, Quebec, Canada. Ski retainer. 2,469,604, May 10.
- Lynn, Harry E., Monterey Park, assignor to M. O. Johnston Oil Field Service Corporation, Los Angeles, Calif. Valve head for by-pass packers. 2,491,122, Dec. 13.
- Lynn, John E., Old Greenwich, and L. A. Fluck, Jr., Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. Shrinkage control of textiles. 2,466,457, Apr. 5.
- Lynn, Lambert H., Scotia, N. Y., assignor to General Electric Company. Variable inductance device. 2,460,138, Jan. 25.
- Lynn, Lawrence B.: *See*—
Hanna, Clinton R., and Lynn.
- Lynn, Lawrence B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing apparatus. 2,481,853, Sept. 13.
- Lynn, Percy J., London, England. Curtain fitting. 2,464,325, Mar. 15.
- Lynn, Robert G., Passaic, N. J. Gripper gauge. 2,461,691, Feb. 15.
- Lynn, Robert J., Chicago, Ill. Mechanical pencil. 2,489,714, Nov. 29.
- Lyon, Albert T.: *See*—
Maury, Alfred D., and Lyon.
- Lyon, Ernest F., Hinton, Okla. Combination shade and curtain rod holder. 2,472,220, June 7.
- Lyon, Ethel S., Williamsburg, Va. Protecting apron for ironing boards. 2,458,613, Jan. 11.
- Lyon, Floyd A.: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.
- Lyon, George A., Allenhurst, N. J. Wheel cover. Re. 23,075, Jan. 11.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,458,490, Jan. 4.
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- Lyon, George A., Allenhurst, N. J. Making wheel balancing weights. 2,459,568, Jan. 18.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,459,569, Jan. 18.
- Lyon, George A., Allenhurst, N. J. Plastic cover for automobile seats. 2,459,889, Jan. 25.
- Lyon, George A., Allenhurst, N. J. Wheel hub cap structure. 2,459,890, Jan. 25.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,460,784, Feb. 1.
- Lyon, George A., Allenhurst, N. J., assignor to Lyon, Incorporated, Detroit, Mich. Fender skirt. 2,474,852, July 5.
- Lyon, George A., Allenhurst, N. J. Ornamental wheel cover. 2,474,853, July 5.
- Lyon, George A., Allenhurst, N. J. Method and apparatus for forming plastic articles. 2,478,199, Aug. 9.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,478,930, Aug. 16.
- Lyon, George A., Allenhurst, N. J. Vehicle wheel cover. 2,490,822, Dec. 13.
- Lyon, George A., Allenhurst, N. J. Wheel structure. 2,491,501, Dec. 20.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,491,502, Dec. 20.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,491,503, Dec. 20.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,491,504, Dec. 20.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,491,505, Dec. 20.
- Lyon, George A., Allenhurst, N. J. Wheel cover. 2,491,506, Dec. 20.
- Lyon, George A., Allenhurst, N. J. Apparatus for making flat plastic articles. 2,491,507, Dec. 20.
- Lyon, Herbert A.: *See*—
Main-Smith, John D., Dodd, Sim, Lyon, Hillier, and Earwicker.
- Lyon, Incorporated, assignee: *See*—
Lyon, George A.
- Lyon, John C., Upper Darby, assignor to The Budd Company, Philadelphia, Pa. Suspension especially for vehicles. 2,489,968, Nov. 29.
- Lyon Metal Products, Incorporated, assignee: *See*—
O'Connor, John B.
- Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Linking and delinking machine for ammunition belts. 2,460,096, Jan. 25.
- Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Divider switch for bottle conveyor. 2,465,690, Mar. 29.
- Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. In-feed mechanism for article handling machines. 2,467,679, Apr. 19.
- Lyon, Norman W., and R. E. Brown, Springfield, assignors to Package Machinery Company, East Longmeadow, Mass. Machine for forming article supporting pallets for wrapping machines. 2,473,656, June 21.
- Lyon-Raymond Corporation, assignee: *See*—
Gibson, Christian D.
- Lyons, Francis P., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for transfer molding. 2,463,401, Mar. 1.
- Lyons, Frank H., and J. F. Ferdon, assignors to E. L. Bruce Co., Memphis, Tenn. Apparatus for floor finishing. 2,468,266, Apr. 26.
- Lyons, Harold: *See*—
Lifschutz, Harold.
- Lyons, Harold, Washington, D. C. Step wave generator. 2,474,266, June 28.
- Lyons, Harold, Washington, D. C. Controllable pulse generator. 2,475,625, July 12.
- Lyons, J., and Company, Limited, assignee: *See*—
Scott, Henry J.
- Lyons, John M.: *See*—
Shildneck, Lloyd P., and Lyons.
- Lyons, Leland R., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Synthesis of hydrocarbons. 2,472,219, June 7.
- Lyons, Orlin W.: *See*—
Haynes, James D., and Lyons.
- Lyons, Walter, Wenonah, N. J., assignor to Radio Corporation of America. Radio reception. 2,472,218, June 7.
- Lyons, Willard E., deceased, late of Chicago, Ill.; by J. T. Dempsey, administrator, assignor to Leo Corporation, Chicago, Ill. Operating an internal-combustion engine. 2,460,700, Feb. 1.
- Lyophile-Cryochem Corporation, assignee: *See*—
Flösdorff, Earl W.
- Lysak, Walter W., Seymour, assignor to United Aircraft Corporation, East Hartford, Conn. Method of and attachment for doped fabric. 2,483,916, Oct. 4.
- Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Gas turbine system embodying rotary positive displacement compressor apparatus. 2,459,709, Jan. 18.
- Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Rotary converter-coupling hydraulic power transmission. 2,462,652, Feb. 22.
- Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Reversible hydraulic coupling. 2,474,586, June 28.
- Lysle, Charles H., Pittsburgh, and J. M. Guthrie, Allison Park, Pa. Glass-shaping mold. 2,490,450, Dec. 6.
- Lyte, Parts, Company, assignee: *See*—
Wintermute, Vern M.
- Lytle, Arthur R., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Apparatus for heat-treating surfaces of rails. 2,484,897, Oct. 18.
- Lytle, Harold T., Lifkin, Tex., assignor to Texas Foundries, Inc. Shoe for pipe joints. 2,491,673, Dec. 20.
- Lytle, Lawrence D.: *See*—
Cullinan, John F., and Lytle.
- Lytle, Lawrence D., and J. F. Cullinan, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of naphthacridine type vat dyes. 2,475,847, July 12.
- M. A. B. E. C. Societe Anonyme, assignee: *See*—
Garnier, Jacques M.
- MB Manufacturing Company, Inc., The, assignee: *See*—
Efromson, Philip C., and Dickie.
- M-K Enterprises, Inc., assignee: *See*—
Bussey, William H.,
Werner, George K.
- M. L. Aviation Company, Limited, assignee: *See*—
Lobelle, Marcel J. O.
- M-O Valve Company, Ltd., The, assignee: *See*—
Andrews, Desmond.
- M & R Dietetic Laboratories, Inc., assignee: *See*—
Almy, Emory F., and Garrett.
Almy, Emory F. and Hull.
Otting, Herbert E.
- Otting, Herbert E., Chrysler, and Almy.
- Maag Zahnrad und Maschinen, A. G., assignee: *See*—
Graf Willi.
- Maag-Zahnrad und Maschinen Aktiengesellschaft, assignee: *See*—
Aeppli, Albert.
Laesser, Emil.
- Maas-Rowe Electromusic Corporation, assignee: *See*—
Rowe, Paul H.
- Maatman, Egbert J., South Holland, assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,104, Oct. 18.
- Mabel, Cecyle, assignee: *See*—
Munz, Charles A.
- Mabrey, Willis R., Oildale, Calif. Combination fruit or flower cutter and holder. 2,459,232, Jan. 18.
- Mabry, Forrest S., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Terminus for concentric transmission lines. 2,465,245, Mar. 22.
- Mabry, Steve M., Yokena, Miss. Tray. 2,459,443, Jan. 18.
- MacAdams, Jesse E.: *See*—
Piggot, Charles S., and MacAdams.
- Macbeth Engineering Corporation, assignee: *See*—
McBeth, Freeman M.
- Macbeth, George T., Bronxville, N. Y. Wash box and tar separator of water-gas manufacturing machines. 2,485,835, Oct. 25.
- MacBride, Colin G., London, England. Garment renewing machine. 2,487,568, Nov. 8.
- Maccaferri, Mario, Rye, N. Y. Clothespin. 2,461,333, Feb. 8.
- MacCaffray, Rex S. Jr., Boiling Springs, assignor to C. H. Masland & Sons, Carlisle, Pa. Fringe machine. 2,485,396, Oct. 18.
- MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic steering control. 2,471,637, May 31.
- Maccario, Emil C., Maplewood, N. J. Concrete curb block. 2,471,226, May 24.
- MacChesney, Chester M., Chicago, Ill. Bowling ball attachment. 2,474,950, July 5.
- Macchi, Aldo, Belleville, N. J., assignor to General Electric Company. Fuel control and air delivery unit for oil burners. 2,486,857, Nov. 1.
- MacClaren, Robert H.: *See*—
Richter, George A., and MacClaren.
- MacClatchie, John W., Los Angeles, Calif. Wire line guide. 2,480,488, Aug. 30.
- MacClean, Frank W., Hobart, and V. Urban, Crown Point, Ind. Cleaning electrical coils. 2,462,982, Mar. 1.
- MacConnell, Hugh C., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Fluid control valve mechanism. 2,470,566, May 17.
- MacConnell, Hugh C., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford Conn. Glassware mold cooling means. 2,485,836, Oct. 25.
- MacCormack, Robert S.: *See*—
Johnson, Winford B., and MacCormack.
- MacCracken, Calvin D., New Rochelle, assignor to Jet-Heat, Inc., New York, N. Y. Air compressor. Re. 23,126, June 21.
- MacCracken, Calvin D., New Rochelle, assignor to Jet-Heat, Inc., New York, N. Y. Air compressor. 2,462,518, Feb. 22.
- MacCracken, Calvin D., New Rochelle, assignor to Jet-Heat, Inc., New York, N. Y. Forced-air house heating apparatus. 2,488,548, Nov. 22.

- MacCracken, Calvin D., New Rochelle, assignor to Jet-Heat, Inc., New York, N. Y. Heat exchanger. 2,488,649, Nov. 22.
- MacCreadie, William T., Lewisburg, assignor, by mesne assignments, to Sunbury Wire Rope Manufacturing Company, Sunbury, Pa. Wire rope making machine. 2,484,178, Oct. 11.
- MacCreadie, William T., Lewisburg, assignor, by mesne assignments, to Sunbury Wire Rope Manufacturing Company, Sunbury, Pa. Wire rope manufacturing machine. 2,484,179, Oct. 11.
- MacCutcheon, Edward M., Jr., Arlington, Va., D. F. Windenburg, Chevy Chase, Md., and S. K. Smith, Seattle, Wash. Arresting the cracking of the plates of welded ships. 2,460,893, Feb. 8.
- MacDonald, Archibald A., Boston, Mass. Clamping device. 2,463,787, Mar. 8.
- MacDonald, Charles K.: *See—*
- MacDonald, Donald O., R. T., and C. K.
- MacDonald, Donald O., R. T., and C. K., Port Angeles, Wash. Fluid operated clutch mechanism. 2,465,810, Mar. 29.
- MacDonald, Frank J., Brookline, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Molding apparatus. 2,458,182, Jan. 4.
- Macdonald, George N., Vancouver, British Columbia, Canada. Cigarette lighter. 2,492,305, Dec. 27.
- MacDonald, James E., Latrobe, Pa. Hot-blast furnace stove. 2,478,293, Aug. 9.
- MacDonald, Jessie L., Fort Myers, Fla. Toy spur. 2,484,898, Oct. 18.
- Macdonald, John G., London, Ontario, Canada. Toaster. 2,477,814, Aug. 2.
- MacDonald, Joseph R., Winchester, assignor to Macmor Corporation, Boston, Mass. Lobster trap. 2,470,177, May 17.
- MacDonald, Karl, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Valve. 2,471,880, May 31.
- Macdonald, Kenneth W.: *See—*
- Kennedy, Carlton L., and Macdonald.
- MacDonald, Lester C., Hamilton, Ontario, Canada. Fastener for window screens and storm sashes. 2,471,159, May 24.
- Macdonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Magazine rocket launcher. 2,468,216, Apr. 26.
- MacDonald, Ray A., North Plainfield, N. J. Hand saddle. 2,482,192, Sept. 20.
- MacDonald, Robert J., executor: *See—*
- Mandell, Irving F.
- MacDonald, Robert N., New Castle, and H. S. Rothrock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating fabric with a modified haloprene composition. 2,465,336, Mar. 29.
- MacDonald, Robert T.: *See—*
- MacDonald, Donald O., R. T., and C. K.
- MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 2,481,230, Sept. 6.
- Macdonald, William G., and W. A. Cooper, assignors to William Cotton Limited, Loughborough, England. Straight bar knitting machine. 2,480,943, Sept. 6.
- MacDonnell, Leonard R.: *See—*
- Jansen, Eugene F., Jang, and MacDonnell.
- MacDougall, Charles B., Seattle, Wash. Stirrer. 2,490,142, Dec. 6.
- MacDougall, Franklin M., Kirkwood, assignor to Alco Valve Company, St. Louis, Mo. Fluid pressure operated pump. 2,478,410, Aug. 9.
- MacDougall, Franklin M., Kirkwood, assignor to Alco Valve Company, University City, Mo. Reverse cycle device. 2,486,608, Nov. 1.
- MacDougall, Kirkland B., Benton, Pa. Adjusting mechanism between brake shaft and lever. 2,481,319, Sept. 6.
- MacDuff, Stanley I., assignor to Bendix Aviation Corporation, South Bend, Ind. Actuator for dirigible wheels. 2,492,649, Dec. 27.
- MacDuff, Stanley I., and H. B. Schultz, assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid actuated valve. 2,462,983, Mar. 1.
- Mace, Charles E., Denver, Colo. Intermittent photographic print washer. 2,460,425, Feb. 1.
- Mace, Harry W., Glendale, Calif., assignor, by mesne assignments, to S. O. Ronk and L. R. Hunter. Emulsifier and emulsified hair-waving composition. 2,479,382, Aug. 16.
- MacFarland, Allison M., assignor to W. T. Neiman, Freeport, Ill. Electric snap switch. 2,459,661, Jan. 18.
- MacFarland, Allison M., Naperville, Ill., assignor to W. T. Neiman, Freeport, Ill. Electric snap switch. 2,466,458, Apr. 5.
- MacFarland, Allison M., Naperville, Ill., assignor to W. T. Neiman, Freeport, Ill. Electric snap switch. 2,466,459, Apr. 5.
- MacFarland, Allison M., assignor to Burgess Battery Company, Freeport, Ill. Dry cell and battery seal. 2,485,397, Oct. 18.
- MacFarland, Charles H., Rocky River, Ohio. Antitank mine. 2,487,818, Nov. 15.
- MacGeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Proportional control system. 2,484,000, Oct. 4.
- MacGlashan, William F., Jr.: *See—*
- Evenstad, Sydney T., and MacGlashan, Jr.
- MacGregor, Frank A., assignor to Humphreys & Glasgow Limited, Westminster, England. Stack valve of water gas generators and the like. 2,474,111, June 21.
- MacGregor, James H., Bocking, Braintree, assignor to Courtaulds Limited, London, England. Dyeing of nylon fibers by treating with nitrogenous condensation products. 2,458,397, Jan. 4.
- MacGregor, James H., Bocking, Braintree, assignor to Courtaulds Limited, London, England. Production of cellulose ethers. 2,482,011, Sept. 13.
- MacGregor, Laurence B., Long Beach, Calif., assignor to L. & M. Rubber Products, Inc. Transmission gearing. 2,458,396, Jan. 4.
- MacGregor, Robert A., Olney, Ill. Shock absorber. 2,464,326, Mar. 15.
- MacGregor, May, assignor to Richard Hudnut, New York, N. Y. Rocking device. 2,475,289, July 5.
- MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Frangible sealing closure. 2,476,748, July 19.
- Machin, Donald W., assignor to Ottawa Steel Products, Inc., Ottawa, Kans. Attachment for vehicles for handling bulky materials. 2,479,048, Aug. 16.
- Machinefabrik Gebr. Stork & Co. N. V., assignee: *See—*
- Busquet, Jan C.
- Machinefabrik Reineveld N. V., assignee: *See—*
- Van Riel, Pieter.
- Machine Tool Works Oerlikon Administration Company, assignee: *See—*
- Iseli, Alfred.
- Lippert, Hanns.
- Weiss, Albert.
- Machler, Raymond C.: *See—*
- Wilson, Benjamin J., Machler, Polster, and Murray.
- Machlet, George A. F., Elizabeth, N. J. Electronic measuring and control apparatus. Re. 23,159, Oct. 25.
- Machlet, George A. F., Elizabeth, N. J. Measuring and control apparatus. Re. 23,160, Oct. 25.
- Machlett Laboratories, Inc., assignee: *See—*
- Horsley, Caperton B.
- Rogers, Thomas H.
- Machlett Laboratories Incorporated, assignee: *See—*
- Horsley, Caperton B.
- Machlett, Raymond R., and Skehan.
- Machlett, Raymond R., and Steen.
- Skehan, Joseph W.
- Machlett, Raymond R., New Canaan, and G. W. Steen, Stamford, assignors to Machlett Laboratories, Incorporated, Springdale, Conn. Making metal-glass seals. 2,462,205, Feb. 22.
- Machlett, Raymond R., New Canaan, and J. W. Skehan, Stamford, assignors to Machlett Laboratories Incorporated, Springdale, Conn. Apparatus for making metal-glass structures. 2,488,302, Nov. 15.
- Machovec, Fred J., Pasadena, Calif. Lawn mower sharpener. 2,466,905, Apr. 12.
- Machtinger, Abraham, New York, N. Y. Liquid dispenser. 2,460,518, Feb. 1.
- Ma, Chuk Ching: *See—*
- Fink, Colin G., and Ma.
- Maciá, Angel U., Manzanillo, Cuba. Sharpening and grinding machine. 2,490,312, Dec. 6.
- MacInnes, Duncan A., and A. J. Allgoewer, San Francisco, Calif., said Allgoewer assignor to said MacInnes. Golf tee. 2,466,115, Apr. 5.
- Mack, Charles, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Building materials of high elasticity. 2,481,523, Sept. 13.
- Mack, George S., Anderson, S. C. Apparatus for cutting Venetian blind tapes. 2,483,587, Oct. 4.
- Mack, Gerry P., Jackson Heights, assignor to Advance Solvents & Chemical Corporation, New York, N. Y. Emulsion polymerizing butadienes. 2,470,629, May 17.
- Mack, Gerry P., Jackson Heights, N. Y. Nondiscoloring coating composition. 2,488,303, Nov. 15.
- Mack, Harley C., St. Louis, Mo. Vehicle brake system. 2,464,327, Mar. 15.
- Mack, Mathew P., Watertown, S. Dak. Vehicle signal attachment. 2,483,058, Sept. 27.
- Mack Manufacturing Corporation, assignee: *See—*
- Koster, William A.
- Koster, William A., and Soper.
- May, Walter M., and Burgess.
- Pelan, John S.
- Schantz, Gordon M.
- Mack Molding Company, Incorporated, assignee: *See—*
- Gronemeyer, Erich.
- Mack, Stanley C., Cleveland, assignor to Merit Machine Company, Northfield, Ohio. Thread-cutting machine. 2,482,786, Sept. 27.
- Mack, Theresa G., Pennsauken, N. J. Combination greeting card and bib. 2,461,430, Feb. 8.
- MacKay, Harry B.: *See—*
- Hennigar, Theodore R., and MacKay.
- MacKay, Irwin: *See—*
- Moritz, Max, and MacKay.
- Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine sulfates. 2,464,247, Mar. 15.
- Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine phosphates. 2,469,338, May 3.

- Mackay, Johnstone S., Old Greenwich, and J. H. Paden, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing guanamines. 2,459,710, Jan. 18.
- Mackay, Johnstone S., Greenwich, and J. H. Paden, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of melam, melem, and melon. 2,475,709, July 12.
- MacKay, Raymond F., Worcester, Mass. Traction aiding device for self-propelled vehicles. 2,458,522, Jan. 11.
- MacKearnin, James C., Buffalo, N. Y. Handle pad. 2,466,719, Apr. 12.
- Mackabee, Susan C. administratrix: See—Chapin, Chester W.
- Mackechnie, James G., Jr., Springfield, Mass. Laundry sorting apparatus. 2,490,071, Dec. 6.
- Mackenzie, Alexander S., Houston, Tex. Bale tie and holder. 2,490,072, Dec. 6.
- MacKenzie, Forbes, Rosindale, Mass. Lifesaving device. 2,463,191, Mar. 1.
- MacKenzie, Kenneth D., Bethel, Conn., assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,466,321, Apr. 5.
- MacKenzie, Kenneth R., Richmond, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Regulator. 2,468,678, Apr. 26.
- MacKenzie, Kenneth W., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,470,356, May 17.
- MacKenzie, Kenneth W., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,476,247, July 12.
- MacKenzie, Kenneth W., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,476,248, July 12.
- MacKenzie, R. E., assignee: See—Adams, Douglas D., Rollins, and Risher.
- MacKenzie, R. E., assignee, et al.: See—Van Voorhis, Noble.
- MacKenzie, Wallace B., Yonkers, N. Y., assignor to Phelps Dodge Copper Products Corporation, Dover, Del. Electrical insulation. 2,464,455, Mar. 15.
- MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Grading machine. 2,466,178, Apr. 5.
- MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for platform and cover cementing. 2,466,816, Apr. 12.
- MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe cementer. 2,466,817, Apr. 12.
- MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for coating platform shoes and covers therefor. 2,466,818, Apr. 12.
- MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Guide means for flexible ammunition belts. 2,479,633, Aug. 23.
- MacKenzie, William C., New York, N. Y. Coupling for water hose and the like. 2,458,477, Jan. 4.
- Mackereith, Edward J., Mimico, Ontario, Canada. Mounting bracket for transformers. 2,472,752, June 7.
- Mackey, Charles O.: See—Rogers, Gardiner M., and Mackey.
- Mackey, Charles O., and G. M. Rogers, Ithaca, N. Y., assignors to Orange-Crush Company, Chicago, Ill. Multitemperature refrigeration apparatus and method. 2,479,848, Aug. 23.
- Mackey, E. Scudder, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Anti-stain baths for color photographic materials. 2,487,569, Nov. 8.
- Mackey, William H., Teaneck, N. J., and J. E. Johansen, Bronx, assignors to Johns-Manville Corporation, New York, N. Y. Hose reel. 2,463,192, Mar. 1.
- Mackie, John P., assignor to Messrs. James Mackie & Sons Limited, Belfast, Northern Ireland. Production of yarn from staple fibers. 2,492,306, Dec. 27.
- Mackie, Messrs. James, & Sons Limited, assignee: See—Mackie, John P.
- Mackin, George E.: See—Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray and McGovern.
- Mackin, Henry J., Kankakee, Ill. Blind. 2,465,246, Mar. 22.
- Mackin, James D., and E. W. Bergmann, Monroe, Mich.; said Mackin assignor to said Bergmann. Collapsible perambulator. 2,470,040, May 10.
- MacKinnon, Andrew N.: See—Kammerer, Charles J., and MacKinnon.
- Mackintosh-Hemphill Company, assignee: See—McConnell, William M., and Abramsen.
- MacLachlan, Angus, New York, N. Y. Leak testing fixture for valves. 2,462,116, Feb. 22.
- Macklin, Donald J.: See—Bachman, Benjamin B., and Macklin.
- Mackowiak, Ignatius, Burnham, Ill. Child's tricycle. 2,467,941, Apr. 19.
- Mackta, Leo, Brooklyn, N. Y. Combined X-ray and fluoroscopic apparatus. 2,477,307, July 26.
- Mackta, Leo, New York, N. Y. Distance and direction finder radio beacon system. 2,485,618, Oct. 25.
- Maclaren, Robert, & Company Limited, assignee: See—Richmond, Thomas G.
- Maclay, William D., and R. M. McCready, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Low-methoxyl pectins and their preparation. 2,478,170, Aug. 9.
- MacLean, Alexander F.: See—Paden, Joseph H., and MacLean.
- MacLean, James M., Detroit, Mich. Resilient wheel structure. 2,491,746, Dec. 20.
- MacLean, James M., Windsor, Ontario, Canada. Resilient wheel. Re. 23,161, Oct. 25.
- MacLean, William R., Brooklyn, assignor to Universal Electronic Laboratories, Inc., New York, N. Y. System for determining the point of break in an electrical conductor. 2,490,377, Dec. 6.
- MacLeod, David E., Evansville, Ind., assignor by mesne assignments, to Seeger Refrigerator Company. Refrigerator system. 2,481,605, Sept. 13.
- MacLeod, Donald K., assignor to United Steel Fabricators, Inc., Wooster, Ohio. Fastening. 2,461,648, Feb. 15.
- MacLeod, James A., assignor to Sun Chemical Corporation, New York, N. Y. Position indicator for aircraft. 2,474,537, June 28.
- MacMahon, James D., Niagara Falls, N. Y., assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Composition to blacken surfaces of copper and of alloys containing copper. 2,481,854, Sept. 13.
- MacMicking, William P., Minneapolis, Minn. Safety razor cushion. 2,460,645, Feb. 1.
- MacMillan, Charles W., Alexandria, Va. Engine combustion regulating device. 2,458,086, Jan. 4.
- MacMillan, Charles W., Alexandria, Va. Engine combustion controlling device. 2,470,709, May 17.
- MacMillan, Douglas M.: See—Vinton, John, and MacMillan.
- MacMillin, Howard F., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Control system for hydraulic pumps supplying hydraulic fluid to double-acting rams of hydraulic presses. 2,470,357, May 17.
- MacMillin, Howard F., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Turret injection machine. 2,477,258, July 26.
- MacMillin, Howard F., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Turret injection machine. 2,479,383, Aug. 16.
- MacMillin, Howard F., Mount Gilead, and G. A. Waldie, South Woodbury, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Press reversing linkage system. 2,466,604, Apr. 5.
- MacMillin, Howard F., and W. Ernst, Mount Gilead, Ohio, assignors to H-P-M Development Corp., Wilmington, Del. Construction of gib guides. 2,491,384, Dec. 13.
- Macmor Corporation, assignee: See—MacDonald, Joseph R.
- MacNeil, Charles I., Glen Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine speed control. 2,458,398, Jan. 4.
- MacNeil, Charles S. J.: See—Bragdon, Thomas, MacNeil, Stuart, III, and Williams.
- MacNeille, Martin B., and R. W. Frank, assignors to A. Y. McDonald Manufacturing Co., Dubuque, Iowa. Ejector pump. 2,484,105, Oct. 11.
- Maco Corporation, The, assignee: See—Krieg, Eldon L.
- Macotta Unit Corporation, assignee: See—Maul, Peter J.
- MacPhail, Robert: See—Klain, Paul, and MacPhail.
- MacPheat, Alexander M., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for centralizing strip material. 2,479,949, Aug. 23.
- MacPheat, Alexander M., Brookfield, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for centralizing strip material. 2,479,950, Aug. 23.
- Macpherson, Carl D., assignor to Ductile Chrome Process Co., Detroit, Mich. Making metal drawing dies. 2,478,171, Aug. 9.
- MacPherson, Donald R., University Heights, assignor to The Master Builders Company, Cleveland, Ohio. Cement composition and making same. 2,478,831, Aug. 9.
- MacPherson, Donald R., University Heights, W. G. France, Columbus, and F. M. Ernsberger, Ada, assignors to The Master Builders Company, Cleveland, Ohio. Cement composition and indurating mixture therefor. 2,485,102, Oct. 18.
- MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Track drive. 2,463,040, Mar. 1.
- MacPhillamy, Harold B.: See—Wintersteiner, Oskar, and MacPhillamy.
- MacPhillamy, Harold B., and MacPhillamy, and Menzel. Wintersteiner, Oskar, MacPhillamy, and Menzel.
- MacPhillamy, Harold B., and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Quaternary ammonium steroids and process. 2,481,524, Sept. 13.
- Mactaggart, Malcolm, Welwyn, England. Hatchway table. 2,479,384, Aug. 16.
- Macuga, Stephen J.: See—Leum, Leonard N., Macuga, and Kreps.

- MacWilliam, Wallace, Mountville, assignor to Resistoflex Corporation, Belleville, N. J. Hose coupling. 2,468,338, Apr. 26.
- Macy, Donald, assignor of one-half to S. B. Ohlbaum, New York, N. Y. Combination lip rouge applicator and mirror. 2,459,733, Jan. 18.
- Madaio, John, Shavertown, Pa. Protector for corns, bunions, and the like. 2,464,457 Mar. 15.
- Madden, Charles L., Minneapolis, Minn. Plug nut. 2,490,594, Dec. 6.
- Madden, Frank J., trustee, assignee: *See*—Bowman, Jay.
- Madden, Henry I., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,479,385, Aug. 16.
- Madden, James C., 3rd., New York, assignor to Consolidated Lithographing Corporation, Brooklyn, N. Y. Collapsible packaging container. 2,486,045, Oct. 25.
- Maddison, Horace P., Portland, Oreg. Air-conditioning mattress. 2,462,984, Mar. 1.
- Maddock, Bruce H., Fanwood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electric cable. 2,468,091, Apr. 26.
- Maddock, Ralph B.: *See*—Dye, Glen M., Maddock, Sardeson, and Savala.
- Maddocks, William M., Coventry, England. Folding chair. 2,490,367, Dec. 6.
- Madeira, John R., assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyor loading station. 2,488,980, Nov. 22.
- Mader, Emil A., assignee: *See*—Spargo, John.
- Mäder, Hermann, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Mounting means for spinning rings. 2,469,658, May 10.
- Mader, Stewart S., assignor to Norton Company, Worcester, Mass. Tool grinding machine. 2,475,796, July 12.
- Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Lift mechanism for sliding car doors. 2,488,634, Nov. 22.
- Madland, Thorvald: *See*—Beauchamp, Wilfred A., and Madland.
- Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Lift mechanism. 2,475,507, July 5.
- Madorsky, Samuel L., Washington, D. C., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic pump. 2,481,320 Sept. 6.
- Madorsky, Samuel L., Washington, D. C. Preparation of anhydrous magnesium chloride and recovery of metallic magnesium. 2,488,474, Nov. 15.
- Madrigal, Frank L., Tulsa, Okla. Mold jacket. 2,473,160, June 14.
- Madriguera, Enric, North Yonkers, N. Y. Combination screen and storm window. 2,474,747, June 28.
- Madsen, Carl J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for high frequency dielectric heating of condenser bushings. 2,458,012, Jan. 4.
- Madsen, Jens A. W., assignor to Albertson & Company, Inc., Sioux City, Iowa. Chuck. 2,488,673, Nov. 22.
- Madsen, Karl K., L. de Zamora, Argentina, assignor to Aktieselskabet Esab, Copenhagen, Denmark. Semiautomatic arc welding apparatus and method. 2,470,178, May 17.
- Madsen, Paul S.: *See*—Manville, Charles T., and Madsen.
- Madsen, Tage, Göteborg, Sweden. Pistons for combustion, steam, and other engines. 2,478,294, Aug. 9.
- Maeder, Abbott S., deceased, by L. M. Murphy, administratrix, East Hempstead, N. Y., assignor to The Sperry Corporation. Switching and modulation system. 2,473,535, June 21.
- Maerk, Mikkel, Lokken Verk, Norway. Fishing reel. 2,489,457, Nov. 29.
- Maerz, Henry, assignor to Self Winding Clock Company, Inc., Brooklyn, N. Y. Electric clock motor and system. 2,469,834, May 10.
- Maes, Robert E., Marshall, Mich. Pulsator for milking machines. 2,460,426, Feb. 1.
- Maes, Robert E., Marshall, Mich. Top for milking machine containers. 2,481,606, Sept. 13.
- Maeser, Mieth, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and apparatus for treating shoes with steam and hot air. 2,460,940, Feb. 8.
- Maeser, Mieth, and H. Gulbrandsen, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for conditioning soles. 2,488,533, Nov. 22.
- Maestri, Benjamin, Chicago, Ill. Adjustable metallic wrist band. 2,471,694, May 31.
- Mafko, Rudolf, assignor to Bayshore Industries, Inc., Elkton, Md. Manufacturing dipped toys. 2,478,771, Aug. 9.
- Magallon, Alfred, assignee: *See*—Ruffino, Gabriel.
- Magaw, Ronald R.: *See*—Miller, Karl H., and Magaw.
- Magdeburger, Edward C., Washington, D. C. Exhaust turbine for internal-combustion engines. 2,483,654, Oct. 4.
- Magdelain, Philippe, Scarsdale, assignor to The Reeve Electrical Company, Inc., New York, N. Y. Warning bell device. 2,476,055, July 12.
- Magee, Alan W., Ellwood City, Pa. Key case. 2,462,206, Feb. 22.
- Magee Carpet Company, The, assignee: *See*—Groat, Francis P.
- Magee, Earl E., Middleton, assignor to Morris Rosenthal and E. E. Magee, copartners, doing business as Star Die and Supply Company, Lynn, Mass. Machine for assembling sheet material. 2,483,707, Oct. 4.
- Magee, Kenneth L., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Sickle guard. 2,484,630, Oct. 11.
- Magee, Kenneth L., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Windrow pickup and distributing apparatus. 2,490,143, Dec. 6.
- Mageoch, Harry Y., Havertown, and A. J. Shaback, assignors to Electric Service Manufacturing Company, Philadelphia, Pa. Fluorescent lamp socket. 2,472,977, June 14.
- Mageoch, Nelson H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plating machine. 2,469,470, May 10.
- Mager, Richard R.: *See*—Fraser, John W., and Mager.
- Mages, Morris L., and H. T. Nordstrom, assignors to Magnaflex Corporation, Chicago, Ill. Method and apparatus for magnetic inspection. 2,478,772, Aug. 9.
- Mages, Morris L., assignor to Magnaflex Corporation, Chicago, Ill. Magnetic testing system. 2,481,937, Sept. 13.
- Maggi, John J., Hayward, Calif. Parachute. 2,483,423, Oct. 4.
- Magic Corset Co., Inc., assignee: *See*—Ciringione, Joseph.
- Magid, Sidney H., Larchmont, N. Y. Apparatus for heat sealing thermoplastic strips about elastic elements. 2,466,643, Apr. 5.
- Magid, Sidney H., Larchmont, N. Y. Making thermoplastic covers. 2,490,451, Dec. 6.
- Maginniss, Hamilton J., Mansfield, Ohio. Electric motor operated actuator unit. 2,478,701, Aug. 9.
- Magnaflex Corporation, assignee: *See*—Mages, Morris L.
- Mages, Morris L., and Nordstrom.
- Magnani, Arthur: *See*—Julian, Percy L., Cole, Magnani, and Meyer.
- Magnavox Company, The, assignee: *See*—Clark, Richard U.
- Koonz, John C.
- Olson, Ray G.
- Quinnell, La Vern E.
- Magnesen, Charles D., assignor to Modern Design Products Company, Chicago, Ill. Bearing seal. 2,461,907, Feb. 15.
- Magnesen, Charles D., Chicago, Ill. Container and cover. 2,461,908, Feb. 15.
- Magnesium Elektron Limited, assignee: *See*—Ball, Charles J. P., and Jessup.
- Fox, Francis A., and Enley.
- Murphy, Alfred J., and Payne.
- Magnet Cove Barium Corporation, assignee: *See*—Van Dyke, Orin W.
- Magnetic Analysis Corporation, assignee: *See*—Germann, Charles T.
- Zuschlag, Theodore.
- Magnetic Devices, Inc., assignee: *See*—Price, Osborne I.
- Magnetone, Inc., assignee: *See*—Begun, Semi J.
- Magnetos, Lucifer S. A., assignee: *See*—Girard, Georges.
- Magnetrol, Inc., assignee: *See*—Binford, Benjamin L.
- Magnus, Finn H., Essex Fells, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Plastic chromatic harmonica. 2,467,761, Apr. 19.
- Magnus, Finn H., Essex Fells, assignor, by mesne assignments, to Magnus Harmonica Corporation, Newark, N. J. Harmonica and wind cell block therefor. 2,473,210, June 14.
- Magnus Harmonica Corporation, assignee: *See*—Magnus, Finn H.
- Magnus, Louise L., Chicago, Ill. Hair removing device. 2,480,252, Aug. 30.
- Magnus, Oscar F.: *See*—Huber, Albert F., and Magnus.
- Magnusen, Ralph W.: *See*—Arisman, Mervin B., Vaksvik, and Magnusen.
- Magoffin, James E., and H. J. Hazemeyer, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of beta-propiolactone. 2,487,885, Nov. 15.
- Magrath, George, Whitinsville, Mass. Bobbin clutch. 2,471,574, May 31.
- Maguire, Bernard G., Alton, Ill., assignor to Phillips Petroleum Company. Protective covering for electrical conductors. 2,491,823, Dec. 20.
- Maguire, William T., Larchmont, N. Y. Implement holder. 2,482,559, Sept. 20.
- Magun, Harry L., New Haven, Conn. Sled. 2,477,699, Aug. 2.
- Mahan, Jeanne P., Pittsburgh, Pa. Musical eating bowl. 2,484,414, Oct. 11.

- Mahan, John E.: *See*—
Schulze, Walter A., and Mahan.
- Mahan, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of n-substituted amides. 2,476,500, July 19.
- Mahan, Joseph R., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Welded gear blank. 2,471,827, May 31.
- Mahar, James F.: *See*—
Tamele, Miroslav W., Irvine, and Mahar.
- Maher, Howard N., Seattle, Wash. Hat. 2,467,839, Apr. 19.
- Mahlberg, Elroy F., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ventilating tubing. 2,467,559, Apr. 19.
- Mahler, Benjamin B.: *See*—
Leibe, Frank A., and Mahler.
- Mahler, George T.: *See*—
Handwerk, Erwin C., and Mahler.
- Mahler, Paul, New York, N. Y., assignor to Publicker Industries Inc. Halogenation of aliphatic conjugated diolefines. 2,484,042, Oct. 11.
- Mahler, William C.: *See*—
Roth, Jay M., and Mahler.
- Mahlmeister, Raymond: *See*—
Polk, Louis F., and Mahlmeister.
- Mahnke, Kurt, Alden, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus transfer apparatus. 2,459,662, Jan. 18.
- Mahnke, Kurt, Alden, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric winch control system for alternating currents. 2,474,267, June 28.
- Mahnke, Kurt, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric hoist and winch control. 2,468,092, Apr. 26.
- Mahnke, Kurt, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cable laying apparatus. 2,476,883, July 19.
- Mahnke, Kurt, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase transfer relay. 2,486,305, Oct. 25.
- Mahon, Frank, Chicago, Ill. Universal golf club head. 2,472,978, June 14.
- Mahon, James: *See*—
Wood, George, and Mahon.
- Mahon, Thomas C., Burnaby, British Columbia, Canada. Antisiphon valve. 2,461,830, Feb. 15.
- Mahoney, Charles H., and G. L. Lee, Boulder City, Nev., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Alloying manganese with magnesium. 2,474,538, June 28.
- Mahoney, Frank D., San Francisco, Calif. Coupling. 2,458,714, Jan. 11.
- Mahoney, John F.: *See*—
Bassford, Henry H., Jr., Harmon, and Mahoney.
Black, Auguste M., and Mahoney.
- Mahoney, John F., Linden, assignor to Merck & Co., Inc., Rahway, N. J. Producing dialkyl-carbamic-acid esters of dialkyl-aminoethanols. 2,483,141, Sept. 27.
- Mahoney, John J., Jr., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase and amplitude control circuit for wide band amplifiers. 2,464,594, Mar. 15.
- Mahoney, Paul L., Jackson Heights, assignor to United States Rubber Company, New York, N. Y. Protective coatings for synthetic resin surfaces. 2,487,254, Nov. 8.
- Mahoney, Paul L., Jackson Heights, assignor to United States Rubber Company, New York, N. Y. Protective coatings for plastic glass. 2,487,255, Nov. 8.
- Mahren, Arthur A., Long Island City, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cable end receptacle. 2,472,113, June 7.
- Mahren, Arthur A., Long Island City, assignor to Centro Research Laboratories, Inc., Briarcliff Manor, N. Y. Variable wave generator. 2,478,973, Aug. 16.
- Malco Company, Incorporated, The, assignee: *See*—
Little, George W.
- Maiden Form Brassiere Company, Inc., assignee: *See*—
Coleman, Joseph A.
- Maidlow, John S., Jr., and J. M. Reynolds, U. S. Army. Control system. 2,476,313, July 19.
- Maier, August R., Dallas, Tex., assignor to Oil Well Supply Company. Lubricating means for well-drilling rotaries. 2,491,747, Dec. 20.
- Maier, August R., Oil City, Pa., assignor to Oil Well Supply Company. Drive shaft assembly. 2,458,087, Jan. 4.
- Maier, August R., and C. J. Keim, Oil City, Pa., assignors to Oil Well Supply Company. Hoist brake with equalizer and power booster. 2,465,164, Mar. 22.
- Maier, Herbert N., Pottstown, Pa., and T. H. Pickering, New Rochelle, assignors to Doehler-Jarvis Corporation, New York, N. Y. Bicycle frame. 2,470,441, May 17.
- Maler, Martin S., assignor to Eastman Kodak Company, Rochester, N. Y. Mirror with low thermal expansion support. 2,464,141, Mar. 8.
- Maier, Roy, assignee: *See*—
Gassmann, Raymond M.
- Maier, Wellington W., Mio, Mich. Bending device comprising hinged bending leaves with removable work-clamping leaf. 2,484,518, Oct. 11.
- Malle, Carrie A., Tulsa, Okla. Apple and pear corer. 2,462,411, Feb. 22.
- Maillard, Francis H. M. J., Issy-les Moulineaux, A. H. Laville, Fontenay-aux-Roses, and J. A. Béziaud, Asnières, assignors to Societe Nationale De Constructions Aeronautiques Du Sud-Ouest (Societe Anonyme), Paris, France. Rotating-wing machine. 2,491,191, Dec. 13.
- Maimin, H., Company, Incorporated, assignee: *See*—
Bangser, William, and Nichols.
- Main, Benjamin A., Jr., and M. W. Brandau, assignors to Aeroquip Corporation, Jackson, Mich. Coupling. 2,485,006, Oct. 18.
- Main, Benjamin A., Jr., assignor to Aeroquip Corporation, Jackson, Mich. Hose end fitting. 2,485,975, Oct. 25.
- Main, David W., Denver, Colo. Auxiliary hot water heater. 2,481,480, Sept. 6.
- Main, Donald W.: *See*—
Cox, Robert G., and Main.
- Main, Donald W., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling. 2,458,088, Jan. 4.
- Main, Donald W., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Hydraulic connector. 2,485,976, Oct. 25.
- Main, Robert C., La Canada, Calif., assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Safety control and ignition apparatus for fuel burners. 2,489,794, Nov. 29.
- Main, Robert C., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition system for fuel burners. 2,486,306, Oct. 25.
- Main, Thomas C., San Antonio, Tex., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,459,444, Jan. 18.
- Main, William R., Delanco, N. J. Conduit bushing. 2,466,720, Apr. 12.
- Mainardi, Marcus N.: *See*—
Mainardi, Pompey, and M. N.
- Mainardi, Pompey, and M. N. Mainardi, Hawthorne, N. J. Infinity sight view finder. 2,469,927, May 10.
- Maincon, Maurice, and P. Chassaing, Melle, assignors to les Usines de Melle (Societe Anonyme), Saint-Leger-Melle, France. Preparing γ -aldols and γ -ketols. 2,481,765, Sept. 13.
- Maindal, Henrik, Aalborg, Denmark. Holder of the wire for electric laundry irons. 2,483,834, Oct. 4.
- Maine, Mathilda L., West Suffield, Conn. Portable clothes basket. 2,467,900, Apr. 19.
- Mainguys Limited, assignee: *See*—
Dorey, George B.
- Mains, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Stress measuring device. 2,485,977, Oct. 25.
- Main-Smith, John D., S. A. Dodd, J. Sim, H. A. Lyon, G. H. Hillier, and G. A. Earwicker, Farnborough, assignors to The Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Apparatus for colorimetric gas investigation. 2,489,654, Nov. 29.
- Maintenance Company, Inc., The, assignee: *See*—
Myers, Mortimer A.
- Maire, Edward B., Glen Ellyn, Ill., assignor to Penn Electric Switch Co., Goshen, Ind. Stoker timer. 2,476,448, July 19.
- Maitlen & Benson, Inc., assignee: *See*—
Maitlen, Harry D.
- Maitlen, Harry D., assignor to Maitlen & Benson, Inc., Long Beach, Calif. Tip cleaner holder. 2,473,758, June 21.
- Maize, Paul F., assignor to Briggs Manufacturing Company, Detroit, Mich. Stretch-bending machine. 2,476,556, July 19.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Hydraulic braking system. 2,459,663, Jan. 18.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Hydraulic valve. 2,459,664, Jan. 18.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Combined retracting and braking system for aircraft landing gear. 2,459,665, Jan. 18.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Hydraulic braking system. 2,467,560, Apr. 19.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Valve assembly. 2,476,378, July 19.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Master cylinder for hydraulic brake systems. 2,477,758, Aug. 2.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Parking valve assembly for brake applying mechanism. 2,486,046, Oct. 25.
- Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Parking valve for braking systems. 2,487,716, Nov. 8.
- Major, Ralph M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Liquid treating unit. 2,461,334, Feb. 8.

- Major, Randolph T., Mountainside, K. Folkers, Plainfield, N. J., O. H. Johnson, Medina, N. Y., and P. L. Southwick, Pittsburgh, Pa., assignors to Merck & Co., Rahway, N. J. 2-n-butylpyrimidine homologue of thiamine. 2,478,049, Aug. 2.
- Mak, Gerrit, Hendon, South Australia, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Voltage stabilizer. 2,472,256, June 7.
- Makarov, Vadim S., New York, N. Y. Rotary compressor and fluid seal therefor. 2,468,373, Apr. 26.
- Makedonsky, Jacob and W. Grand Rapids, Minn. Concrete block machine. 2,488,494, Nov. 15.
- Makedonsky, William: *See—*
Makedonsky, Jacob and W.
- Makenny, William, Mountain View, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Discharge device, base, and method. 2,477,340, July 26.
- Maker, Frank L., Berkeley, and W. J. McLeod, Richmond, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Apparatus for controlling catalyst regeneration. 2,487,717, Nov. 8.
- Maker, Gertrude H., and S. S. Harris, New York, N. Y. Knitting needle. 2,486,184, Oct. 25.
- Maki, Carl J., San Tome Terminal, Venezuela, assignor to Phillips Petroleum Company. Rotary burner. 2,491,324, Dec. 13.
- Maki, George J., assignor to Collins Radio Company, Cedar Rapids, Iowa. High-power permeability core inductance. 2,458,282, Jan. 4.
- Maki, George J., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency shift carrier system. 2,463,402, Mar. 1.
- Makin, Giles M. G., Pawtucket, R. I. Staple driving device. 2,466,856, Apr. 12.
- Makowski, Michael, Passaic, N. J. Electrified miniature music box. 2,489,149, Nov. 22.
- Makowsky, J., Corporation, assignee: *See—*
Van Rosen, Robert.
- Makrines, James K., Longmeadow, Mass. Display and shipping container. 2,460,230, Jan. 25.
- Maky, Walter, assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,470,508, May 17.
- Malarkey, Ralph F., Meadowlands, Pa. Machine for jiggering oval dinnerware. 2,485,159, Oct. 18.
- Malashevitz, Alex, Dunellen, N. J., assignor to Catalin Corporation of America. Resorcinol and formaldehyde condensation. 2,488,495, Nov. 15.
- Malaspina, Celso L., Tuckahoe, N. Y.: now by judicial change of name to C. L. Marshall. Rod or pipe clamp. 2,460,701, Feb. 1.
- Malchair, Armand: *See—*
Bodinaux, Gaston, and Malchair.
- Malchus, Johannes A. C., Amsterdam, Netherlands. Dust aspirator with a rotatable flexible tube connection. 2,458,614, Jan. 11.
- Malchus, Johannes A. C., Amsterdam, Netherlands. Holder for the carbon brushes of rotary electrical machines. 2,482,921, Sept. 27.
- Malcom, Glen, assignor to Reeves Pulley Company, Columbus, Ind. Electric motor preset control. 2,470,937, May 24.
- Malcom, Glen, assignor to Reeves Pulley Company, Columbus, Ind. Braking means for electric motors. 2,472,046, May 31.
- Malcom, Robert L., Chicago, Ill., assignor to Chicago Eye Shield Company. Nose pad with attaching means. 2,463,041, Mar. 1.
- Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Mass. Production of stainless steel in an arc electric furnace. 2,465,383, Mar. 29.
- Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Springfield, Mass. Metal alloy. 2,480,151, Aug. 30.
- Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Springfield, Mass. Copper base alloy. 2,482,423, Sept. 20.
- Maldon, Michel, A. George, Melbourne, Victoria, Australia. Reciprocating machine. 2,491,011, Dec. 13.
- Maldonado, Juvenio, New York, N. Y. Container for tortillas and other heated food. 2,484,631, Oct. 11.
- Malek, Morris S., New York, N. Y. Centering guide for necktie linings. 2,482,857, Sept. 27.
- Malen, Jarly C., United States Navy. Pulling and pushing device. 2,484,043, Oct. 11.
- Malhot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Conveyer and transfer mechanism. 2,461,167, Feb. 8.
- Malhot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Article conveying mechanism. 2,480,253, Aug. 30.
- Mallick, Albert, assignee: *See—*
Heintzelman, James A.
- Mallick, Emil A., United States Navy. Means to indicate the presence of vapor in fluid conduit systems. 2,468,768, May 3.
- Malin, Jay B., Fishkill, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,483,288, Sept. 27.
- Mallinak, Samuel H., Butte, Mont. Drill bit loosener. 2,458,951, Jan. 11.
- Maling, Roy, Chestnut Hill, Mass. Platform type welt shoe. 2,460,097, Jan. 25.
- Maling, Roy, Chestnut Hill, Mass. Platform type shoe. 2,460,098, Jan. 25.
- Malir, Joseph, Jr., Denver, Colo. Safety cutout for automotive engines. 2,461,692, Feb. 15.
- Malkan, William A., Oakwood Heights, N. Y. Golf ball driving device. 2,477,308, July 26.
- Malkemus, John D.: *See—*
Allen, Harold D., and Malkemus.
- Malkemus, John D., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Synthetic detergent compositions. 2,462,758, Feb. 22.
- Malkemus, John D., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Detergent composition. 2,491,992, Dec. 20.
- Malki, Moises, B. Matzkin, and A. L. Goldman, Buenos Aires, Argentina. Electrical accumulator with tubular electrodes. 2,469,508, May 10.
- Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Saw sharpener. 2,459,233, Jan. 18.
- Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Flexible shaft machine. 2,473,286, June 14.
- Mall Tool Company, assignee: *See—*
Mall, Arthur W.
- Mallard, Robert G.: *See—*
Ashton, Everett H., Mallard, and Mastriani.
- Mallentier, Victor B. M., Brussels, Belgium. Reversible drive mechanism. 2,468,453, Apr. 26.
- Maller, John, Aberdeen, Wash. Electrical heating unit. 2,468,217, Apr. 26.
- Mallery, Paul, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Registration system. 2,460,702, Feb. 1.
- Mallett, Edwin A., and R. W. Pearson, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Apparatus for seam welding elbows. 2,489,224, Nov. 22.
- Mallett, John D., Garden City, N. Y., assignor to The Sperry Corporation. Indicating device. 2,464,822, Mar. 22.
- Mallett, John E., Miami, Fla. Iron holder for attachment to ironing boards. 2,491,123, Dec. 13.
- Mallett, Montville B., assignor to English Electric Company of Canada Limited, St. Catharines, Ontario, Canada. Transformer tank. 2,481,134, Sept. 6.
- Mallette, Fredrick, Piedmont, Calif. Infant's bed covering. 2,461,749, Feb. 15.
- Mallick, Leo M., Chicago, Ill. Bottle closure. 2,465,894, Mar. 29.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical perforator. 2,473,437, June 14.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,473,438, June 14.
- Mallina, Rudolph F., Hastings on Hudson, assignor to Aeronautical Research Corporation, New York, N. Y. Mechanical page turner. 2,484,106, Oct. 11.
- Mallinckrodt Chemical Works, assignee: *See—*
Conard, Charles R., and Bertsch.
- Wallingford, Vernon H., and Homeyer.
- Mallinckrodt, George E., St. Louis, Mo. Direct-current transformer. 2,467,840, Apr. 19.
- Mallory, B. L., Company, The, assignee: *See—*
Mallory, Bonnie L.
- Mallory, Bonnie L., Cleveland Heights, Ohio, assignor to The B. L. Mallory Company, Hazel Park, Mich. Shock absorber. 2,490,974, Dec. 13.
- Mallory, Edward B., Tenafly, N. J. Process and apparatus for purifying wastes. 2,477,815, Aug. 2.
- Mallory, Edwin E.: *See—*
Shook, Florian J., White, and Mallory.
- Mallory, Henry R., assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Parachute canopy. 2,472,601, June 7.
- Mallory, Marion, Detroit, Mich. Carburetor. 2,464,328, Mar. 15.
- Mallory, Marion, Detroit, Mich. Mechanism for utilizing the manifold suction of internal-combustion engines. 2,471,111, May 24.
- Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Two-cycle opposed piston engine. 2,473,759, June 21.
- Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Internal-combustion engine. 2,473,760, June 21.
- Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Speed control for internal-combustion engines. 2,473,761, June 21.
- Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Speed control for internal-combustion engines. 2,473,762, June 21.
- Mallory, Marion, Detroit, Mich. Ignition timing control means for internal-combustion engines. 2,473,805, June 21.
- Mallory, Marion, Detroit, Mich. Engine governor. 2,473,806, June 21.
- Mallory, Marion, Detroit, Mich. Engine governor. 2,473,807, June 21.
- Mallory, Marion, Detroit, Mich. Fuel temperature control for internal-combustion engines. 2,473,808, June 21.

- Mallory, Marion, Detroit, Mich. Air cleaner. 2,483,588, Oct. 4.
- Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Opposed piston internal combustion engine. 2,486,185, Oct. 25.
- Mallory, P. R., & Co., Inc., assignee: *See*—
Aust, Robert J.
Aust, Robert J., and Huettner.
Booe, James M.
Carpenter, Glenn W.
Coulter, John H., and Wood.
Essig, Thomas E.
Goetz, Lawrence R.
Heath, Robert C., Howe, and King.
Hensel, Franz R.
Hensel, Franz R., and Larsen.
Hensel, Franz R., Wiggs, and Heil.
Huettner, Clarence.
Larsen, Earl I.
Larsen, Earl I., and Swazy.
Morris, Alexander.
Nulsen, Marvin E.
Oles, Herbert E.
Peck, Gordon V.
Puermer, George O.
Smith, George W.
Tucker, Norman A.
Wall, Alexander C.
Wall, Alexander C., and Oles.
- Mallory Research Company, The, assignee: *See*—
Mallory, Marion.
- Malluk, Assad M., New York, N. Y. Legging boot. 2,458,952, Jan. 11.
- Malluk, Assad M., New York, N. Y. Gas tank drain lock. 2,469,973, May 10.
- Malm, Carl J.: *See*—
Hincke, William B., and Malm.
- Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Continuous method for preparing cellulose esters having a high propionyl and butyryl content. 2,490,643, Dec. 6.
- Malm, Carl J., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Precipitation of cellulose triacetate. 2,469,395, May 10.
- Malm, Carl J., and L. M. D. Bearden, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of polyvinyl dicarboxylic acid esters. 2,484,415, Oct. 11.
- Malm, William A. R., New Orleans, La. Invisible light television system. 2,458,865, Jan. 11.
- Malmberg, Tore G., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Selenium rectifier element and manufacturing same. 2,458,013, Jan. 4.
- Malmendier, Gaspard V., Forest Hills, N. Y. Heater for extrusion dies. 2,477,341, July 26.
- Malmquist, Oscar V., Minneapolis, Minn. Cam operated pillars. 2,482,193, Sept. 20.
- Malmqvist, Johan D.: *See*—
Gustafsson, Gotthard V. A., and Malmqvist.
- Malmros, Gustav V. A.: *See*—
Daly, George F., Phillips, and Malmros.
- Malmros, Gustav V. A., Binghamton, and E. A. Barber, Jr., Johnson City, assignors to International Business Machines Corporation, New York, N. Y. Adjustable throat mechanism for sorting machines. 2,470,442, May 17.
- Malmros, Gustav V. A., Binghamton, and E. A. Barber, Jr., Johnson City, assignors to International Business Machines Corporation, New York, N. Y. Pocket construction for sorting machines. 2,487,347, Nov. 8.
- Malmsten, Philip C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Clutch and brake device. 2,457,907, Jan. 4.
- Malmstrom, Ivar.: *See*—
Woodward, Eric R., and Malmstrom.
- Malone, Edward J., Maple Heights, assignor to The Brush Development Company, Cleveland, Ohio. Growing crystals. 2,472,303, June 7.
- Malone, Ellis M.: *See*—
Malone, Grover C. and E. M.
- Malone, Grover C. and E. M., Memphis, Tenn. Dump truck scraper. 2,463,987, Mar. 8.
- Malone, Homer E.: *See*—
Miller, Wayland R., and Malone.
- Malone, Homer F., assignor to Stewart-Warner Corporation, Chicago, Ill. Electric switch. 2,463,891, Mar. 8.
- Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Snap switch. 2,460,837, Feb. 8.
- Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Combination fan and limit switch mechanism. 2,490,073, Dec. 6.
- Malone Knitting Company, assignee: *See*—
Humphlett, Wilma D.
- Malone, Patrick J.: *See*—
Kershaw, John G., and Malone.
- Maloney-Crawford Tank & Manufacturing Co., assignee: *See*—
Candler, Arthur V. B.
- Maloney, Francis J., Warren, Ohio. Multiple switch. 2,473,287, June 14.
- Maloney, Martin E., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory signaling in telephone or like switching systems. 2,468,299, Apr. 26.
- Maloney, Martin E., Flushing, N. Y., and F. F. Shipley, Tenafly, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone system. 2,468,300, Apr. 26.
- Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Folding machine. 2,464,823, Mar. 22.
- Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Stacking device for folding machines. 2,488,674, Nov. 22.
- Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Stacking mechanism. 2,488,675, Nov. 22.
- Malott, Raymond A., Sunset Beach, assignor to Shell Development Company, San Francisco, Calif. Emulsion fluid for drilling wells. 2,488,304, Nov. 15.
- Malouf, Edward F., San Jose, Calif. Metatarsal and outer longitudinal arch support. 2,468,887, May 3.
- Malowan, John E.: *See*—
Marling, Paul E., and Malowan.
- Malpass, John J., Burgaw, N. C. Electric lawn mower. 2,480,944, Sept. 6.
- Malpert, Rudolph, Fargo, N. Dak. Sleet cutter. 2,460,099, Jan. 25.
- Malsbary, Job F., and W. W. Taylor, assignors, by mesne assignments, to Malsbary Manufacturing Company, Oakland, Calif. Cleaning machine. 2,487,348, Nov. 8.
- Malsbary Manufacturing Company, assignee: *See*—
Malsbary, Job F., and Taylor.
- Maltba, Ira L., assignor of twenty percent to C. A. Wilson, twenty per cent to Y. D. Smith, twenty per cent to D. French, twenty per cent to J. T. Sanders, Gastonia, N. C. Trumpet for drawing frames. 2,476,379, July 19.
- Maltbie Chemical Company, The, assignee: *See*—
Walter, Lewis A.
- Maltbie, Lloyd R., Seminole, Okla. Automatic air and steam coupler. 2,465,025, Mar. 22.
- Malteze, Joseph S., Hempstead, N. Y., assignor to Renshed-Mason Company, Detroit, Mich. Device for proportioning liquid mixtures. 2,469,305, May 3.
- Malthaner, Sylvester A., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 2,486,569, Nov. 1.
- Malthouse, Ernest G., Sheffield, England. Erection of brickwork structures. 2,472,221, June 7.
- Manchester, Isaac F., Jr., New Bedford, Mass. Headboard for sails. 2,488,918, Nov. 22.
- Mancusi, Amedeo, Rosedale, N. Y. Combined table and chairs. 2,486,186, Oct. 25.
- Mancuso, Joseph P., Jamesburg, N. J. Developing tank for 35 mm. film. 2,461,289, Feb. 8.
- Mandel, Hyman J., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Primary cell of the lead-zinc type. 2,462,880, Mar. 1.
- Mandel, Mark, Brooklyn, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Position indicating system. 2,480,152, Aug. 30.
- Mandell, Irving F., New Brunswick, N. J., assignor to L. B. Koch, New York, N. Y., R. J. MacDonald, executor of said L. B. Koch, deceased. Doll's head. 2,475,508, July 5.
- Mandl, Arthur, Sheffield, England, assignor to General Electric Company. Starting and operating circuit for electric discharge devices. 2,485,398, Oct. 18.
- Mandl, Siegmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Ram. 2,475,040, July 5.
- Mandl, Siegmund, Milwaukee, and E. M. Pfauiser, Elm Grove, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Portable sander. 2,492,231, Dec. 27.
- Mandl, Siegmund, Milwaukee, and E. M. Pfauiser, Elm Grove, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Portable power tool set. 2,492,921, Dec. 27.
- Mandt, Obert G., and A. S. Millikin, assignors to The Jaeger Machine Company, Columbus, Ohio. Machine or apparatus for surfacing roads. 2,473,961, June 21.
- Manes, Andrew T., East Moline, Ill. Gun and mount therefor. 2,487,062, Nov. 8.
- Maness, Everette L., and J. D. McDuffie, Kannapolis, N. C. Milling bolster. 2,463,705, Mar. 8.
- Maness, Sterling E., Jr., Wheaton, and S. E. Maness, Sr., Rocky Comfort, Mo. Vehicle cooling system. 2,481,135, Sept. 6.
- Maness, Sterling E., Sr.: *See*—
Maness, Sterling E., Jr., and Sterling, Sr.
- Maneval, Richard L., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Setback switch. 2,458,478, Jan. 4.
- Mangan, Joseph B., Wethersfield, Conn. Weed eradicating attachment for lawn mowers. 2,465,543, Mar. 29.
- Mangan, William J., Leavenworth, Kans. Lock bar for bicycles. 2,479,849, Aug. 23.
- Manganese Products, Inc., assignee: *See*—
Moulton, Ralph W.
- Manger, Henry M., Union, and E. H. Horn, Newark, N. J. Adjuster support for window sashes and the like. 2,488,305, Nov. 15.
- Mangold, Eli F., assignee: *See*—
Chapman, Harold F.
- Manifold Supplies Company, assignee: *See*—
Möller, Jacob A. L.
- Maniola, James J., administrator and assignee: *See*—
Maniola, Robert J.

- Maniola, Robert J., deceased, late of Chicago, Ill., by J. J. Maniola, administrator, assignor to J. J. Maniola, Chicago, Ill. Removable denture. 2,469,339, May 3.
- Maniscalco, Pietro, Chicago, Ill. Prefabricated refrigerator housing. 2,476,501, July 19.
- Maniscalco, Pietro, Chicago, Ill. Vehicular refrigerating apparatus. 2,479,128, Aug. 16.
- Manitowoc Shipbuilding Company, assignee: *See*—
- Manly, Arthur W.
- Mank, John J.: *See*—
- Zallea, James P., and Mank.
- Manke, Raymond F., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Lifting mechanism. 2,469,048, May 3.
- Manke, Raymond F., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Lifting mechanism. 2,476,380, July 19.
- Mankin, Arthur H., North Merrick, N. Y., assignor to Philco Corporation, Philadelphia, Pa. Automatic focus control for cathode-ray tubes. 2,472,165, June 7.
- Mankki, Onnie, Cleveland Heights, assignor to Designers For Industry, Inc., Cleveland, Ohio. Bathroom construction. 2,486,371, Oct. 25.
- Manley, Gilbert E.: *See*—
- Eratt, James H., and Manley.
- Manley, Robert E., Yonkers, assignor to The Texas Company, New York, N. Y. Solvent refining of light oils. 2,475,147, July 5.
- Mann, Alvin H., Milbourne, Pa. Dynamometric jack. 2,491,508, Dec. 20.
- Mann, Charles W., Silver Spring, Md., assignor to United States of America as represented by the Secretary of Agriculture. Apparatus and method for determining the scuff resistance of leather. 2,458,953, Jan. 11.
- Mann, Estle R., Upper Montclair, and H. E. Beste, East Rutherford, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cyclograph for testing metals. 2,477,384, July 26.
- Mann, Estle R., Upper Montclair, and S. W. Stanton, Glen Ridge, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Ballistoscope. 2,482,194, Sept. 20.
- Mann, Estle R., Upper Montclair, S. W. Stanton, Glen Ridge, and T. T. Goldsmith, Jr., Cedar Grove Township, Essex County, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Process and apparatus for examining materials. 2,483,471, Oct. 4.
- Mann, Fredric R., assignee, trustee: *See*—
- Apgar, Charles W., and Rosenfeld.
- Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pumping apparatus. 2,474,539, June 28.
- Mann, Ralph J.: *See*—
- Mellor, Albert, and Mann.
- Mellor, Albert, Mann, Finlayson, and Morledge-Hadfield.
- Mann, Walter N., Reigate, and O. W. Minshull, Totteridge, assignors to Electric Panels Limited, London, England. Electric heating system for buildings. 2,486,791, Nov. 1.
- Manney, Charles J., Kenmore, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Control for electric motors. 2,467,397, Apr. 19.
- Mannheimer, Carl, St. Paul, Minn. Cooking apparatus. 2,472,164, June 7.
- Mannila, Leo, assignee: *See*—
- Witala, Elmer.
- Manning, Charles E., Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich. Forming manifolds. 2,458,183, Jan. 4.
- Manning, Howard H., Meadville, Pa. Hydraulic-pneumatic system. 2,490,823, Dec. 13.
- Manning, Joseph E.: *See*—
- Pleron, Arthur J., and Manning.
- Manning, Matthew J., East Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Welding device. 2,470,074, May 10.
- Manning, Matthew J., and P. F. Eisen, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Portable welding device. 2,471,881, May 31.
- Manning, Maxwell & Moore, Incorporated, assignee: *See*—
- Reck, Rudolf.
- Corcoran, James L., Falls, and Ibold.
- Fahv, Francis L.
- Hopkins, John R.
- Ingham, Robert J., Jr.
- Jerome, Jack.
- Kretsch, Hans W., and Miner.
- Sugden, Clifford N.
- Visser, Gerrit A.
- Manning, Paul D. V.: *See*—
- Burke, William E., Smith, and Manning.
- Manning, Robert B.: *See*—
- Dustin, George F., and Manning.
- Manning, Timothy C., Kansas City, Mo., assignor to Uhlmann Grain Company, Chicago, Ill. Automatic grain fumigant application system. 2,461,649, Feb. 15.
- Manning, William B., Taylorville, Ill. Tram car for mine drills. 2,480,661, Aug. 30.
- Mannist, Milton, Prospect Park, Pa., assignor to Capitol Homes, Inc., Washington, D. C. Structural member. 2,475,103, July 5.
- Manol, Frank O., Denver, Colo. Emergency gasoline tank. 2,476,203, July 12.
- Manoog, John C.: *See*—
- Sepavich, Victor F., and Manoog.
- Manoog, John C., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric web detector for looms. 2,462,326, Feb. 22.
- Manookian, Harry A., Chicago, Ill. Airplane. 2,472,856, June 14.
- Manov, Mateo M.: *See*—
- Ferro, Thomas, and Manov.
- Manseau, David O., Berkley, Mich. Nutating axis rotary compressor. 2,489,041, Nov. 22.
- Man-Sew Corporation, assignee: *See*—
- Sigoda, Victor J.
- Mansfield, Emma G., executrix: *See*—
- Mansfield, George H.
- Mansfield, George H., Cuyahoga Falls, Ohio, E. G. Mansfield, executrix of said G. H. Mansfield, deceased. Baseball game. 2,488,919, Nov. 22.
- Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Shaping attachment for tenoning machines. 2,462,653, Feb. 22.
- Mansfield, Ralph, Chicago, Ill., assignor to Joseph Weidenhoff, Inc. Spark gap unit. 2,477,520, July 26.
- Mansfield, Warren M., Glendale, assignor to Sta-Neet Corporation, Los Angeles, Calif. Hair cutting comb. 2,462,519, Feb. 22.
- Manske, Richard H. F., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Preparing 2,4-dichlorophenoxy-acetic acid. 2,471,575, May 31.
- Manteuffel, Allan: *See*—
- Cocroft, Robert, Brennan, and Manteuffel.
- Manthey, Victor W., Mauston, Wis. Low center of gravity sleds. 2,460,021, Jan. 25.
- Mantle, Burr W., Pittsford, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Pump. Re. 23,175, Nov. 29.
- Mantle Lamp Company of America, The, assignee: *See*—
- Bramming, Carl.
- Schaper, William A.
- Mantsh, John R.: *See*—
- Anschicks, Rudolph J., Widell, and Mantsh.
- Manufacture of Caoutchouc Michelin (Puisseux, Boulanger et Cie), assignee: *See*—
- Bourdon, Pierre M.
- Manufacture de Machines du Haut-Rhin, assignee: *See*—
- Cuttat, Georges E.
- Manufacturers Machine & Tool Co., Inc., assignee: *See*—
- Boecking, Ewald.
- Manufacturers Supplies Company, assignee: *See*—
- Coston, Elmer D.
- Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, assignee: *See*—
- Kopp, Georges and Gagneux.
- Manville, Charles J., Pontiac, Mich., assignor to Lake Erie Chemical Company, Cleveland, Ohio. Magazine gun with integral breech bolt and hand grip. 2,471,276, May 24.
- Manville, Charles J., Pontiac, Mich., assignor, by mesne assignments, to The Burt Manufacturing Company, Akron, Ohio. Overhead door structure. 2,472,602, June 7.
- Manville, Charles T., Woodbury, and P. S. Madsen, Bethany, assignors to The Seamless Rubber Company, New Haven, Conn. Bath spray. 2,488,017, Nov. 15.
- Manzer, Donald N., Oakland, assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Quick-breaking emulsions having increased adhesion to mineral aggregate. 2,483,835, Oct. 4.
- Manzoni, Hans, assignee: *See*—
- Hradecky, Josef.
- Mapes, Clyde W.: *See*—
- Mort, Charles H., and Mapes.
- Mapes Consolidated Manufacturing Company, assignee: *See*—
- Alfreds, Torris H.
- Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. System for dispensing fluids. 2,492,165, Dec. 27.
- Mapes, Elsworth E., and R. E. Cox, Mena, Ark. Hydraulic brake safety device. 2,484,177, Oct. 11.
- Mapes, Gerard S.: *See*—
- Flemming, Cecil D., and Mapes.
- Mapes, Gerard S., West Englewood, N. J., and L. H. Sudholz, Flushing, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Quenching oil and quenching metals. 2,485,103, Oct. 18.
- Mapes, Leslie A., Palisade, N. J. Extensible conveyer. Re. 23,107, May 3.
- Marantz, Leon A., assignee: *See*—
- Fiedel, Samuel.
- Marasco, Vincent, Los Angeles, Calif. Child's vehicle. 2,484,954, Oct. 18.
- Marathon Corporation, assignee: *See*—
- Anderson, Edward J., Lehto, and Saari.
- Andrews, David B.
- Bailar, Charles O., and Spalding.
- Bonini, John H.
- Broeren, Frank L., Wauda, and Kuehl.
- Murphy, Merrill M.
- Rafoth, Bennie A.
- Salvesen, Jorgen R., Harmon, and Browning.
- Siewet, Edwin C.
- Skinner, Harold A.
- Marathon Paper Mills Company, assignee: *See*—
- Farrell, Robert A., and Wagner.

- Marbach, Frank G., assignor to Morrison Products, Inc., Cleveland, Ohio. Welding electrode. 2,474,788, June 28.
- Marbach, William, Chicago, Ill. Roller window screen. 2,462,520, Feb. 22.
- Marble, Chester B., Ashland, Mass., assignor to Telechron Inc. Process timer. 2,489,098, Nov. 22.
- Marble, Clarence, Middlesex, N. Y. Telephone subscriber's stepping switch. 2,477,259, July 26.
- Marble, Harold A., Millbrae, assignor to International Sales Company, San Francisco, Calif. Wall-type fuel burning heater. 2,484,457, Oct. 11.
- Marble, Howard : *See*—
Skipper, James, Marble, and Frisell.
- Marble, Jarvis, assignee, trustee : *See*—
Boestad, Gustav K. W., and Nilsson.
- Marble, Jarvis C., assignee, trustee : *See*—
Boestad, Gustav K. W.
Boestad, Gustav K. W., and Eriksson.
Lysholm, Alf.
Nilsson, Hans R.
- Marburg, Edgar, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Sectional hot top for large molds. 2,465,977, Mar. 29.
- Marcellus, Ada, New York, N. Y. Mascara and Vaseline applicator. 2,489,099, Nov. 22.
- March, Clement C. : *See*—
Sharp, Franklin H., and March.
- March, Simon J. G., Wellsboro, Pa. Pump. 2,467,942, Apr. 19.
- March, Louis M., and B. Workman Chicago, Ill. Radiator defroster. 2,465,895, Mar. 29.
- Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Sector adcock system. 2,465,384, Mar. 29.
- Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electrical energy comparison system and method. 2,468,093, Apr. 26.
- Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio-frequency in-phase indicator. 2,474,268, June 28.
- Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-frequency switch. 2,477,635, Aug. 2.
- Marchand, Nathan, New York, and F. O. Chesus, Jackson Heights, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,489,304, Nov. 29.
- Marchant Calculating Machine Company, assignee : *See*—
Avery, Harold T.
Noller, Harry F., Hurni, and Stone.
Studley, Clarence K., Jr.
- Marchant, Lawrence E., Toronto, V. W. Hall, Malton, and J. O. Creek, Brampton, assignors, by mesne assignments, to Canadian Patents and Developments Limited, Ottawa, Ontario, Canada. Three-dimensional copying machine. 2,488,088, Nov. 15.
- Marchant, Lee L., Takoma Park, assignor to Engineering and Research Corporation, Riverdale, Md. Working of high tensile sheet metal. 2,460,519, Feb. 1.
- Marchese, Vincent J., Brooklyn, N. Y. Electric lighting fixture. 2,474,484, June 28.
- Marcheski, Leonard C. : *See*—
Broady, Thomas F., Heerdink, and Marcheski.
- Marchetti, John W., Long Branch, N. J. Antenna. 2,462,881, Mar. 29.
- Marchetti, John W., Oceanport, N. J., assignor to the United States of America as represented by the Secretary of War. Antenna. 2,474,854, July 5.
- Marchiaro, Ettore, R. Mostardini, and G. Orzalesi, Colleferro, assignors to Bombrini Parodi-Delfino-Societa per Azioni, Rome, Italy. Production of furfural from vegetables. 2,488,981, Nov. 22.
- Marcll, Mitchell M., Springfield, Mass. Universal height gauge attachment. 2,472,431, June 7.
- Marciniak, Emil J. : *See*—
Kearsley, Edward P., and Marciniak.
Wheeler, Ralph F., and Marciniak.
- Marcinik, Theodore A., Latrobe, Pa. Visible headlight indicator and guide. 2,481,321, Sept. 6.
- Marck, Leroy F., Lexington, and A. Bogrow, Brighton, assignors to A. D. Little, Inc., Cambridge, Mass. Reduction of viscosity of molten sulfur by means of phenolic compounds. 2,482,590, Sept. 20.
- Marco, Frederick J., Des Plaines, Ill. Condenser manufacture. 2,492,166, Dec. 27.
- Marco, John, Wilmington, Del. Pipe coupling. 2,479,580, Aug. 23.
- Marco, John, Wilmington, Del. Detachable and adjustable pipe coupling. 2,489,100, Nov. 22.
- Marconi Sounding Device Company Limited, assignee : *See*—
Best, Frank P.
- Marcou, Rene J., Newton, Mass. Liquid level alarm particularly for storage battery electrolytes. 2,470,630, May 17.
- Marcoux, Bertrand, Ste-Marie, Quebec, Canada. Pincers. 2,489,580, Nov. 29.
- Marcum, James H., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air-line inflating gun. 2,482,922, Sept. 27.
- Marcum, James H., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air-line gauge. 2,491,385, Dec. 13.
- Marcus, David A., assignee : *See*—
Burgess, William H.
- Marcus, Jack, assignee : *See*—
Gold, Nat.
- Marcus, Jerome R., Chicago, and L. B. Walter, Elmhurst, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Scratch brushing apparatus for cleaning portions of circular articles. 2,480,489, Aug. 30.
- Marcus, Louise, New York, N. Y. Combined spoon and medicine bottle. 2,485,303, Oct. 18.
- Marcus, Morris L., Pittsburgh, Pa. Support for hats. 2,466,605, Apr. 5.
- Marcus, Morris M., Philadelphia, Pa., and N. Gabrielsen, Brooklyn, N. Y.; said Marcus assignor of his interest to said Gabrielsen and said Gabrielsen assignor of his interest to said Marcus. Whaling harpoon. 2,464,048, Mar. 8.
- Marcus, Samuel, New York, and E. J. Anton, Sunnyside, N. Y. Still picture projector. 2,468,565, Apr. 26.
- Marcus, Samuel, New York, and E. J. Anton, Sunnyside, N. Y. Ventilated slide carrier. 2,468,566, Apr. 26.
- Marcus, Samuel, New York, and E. J. Anton, Sunnyside, N. Y., assignors to Associated Photo Products Inc. Carrier case. 2,492,807, Dec. 27.
- Marder, Herbert B., Chicago, Ill. Visual training device. 2,472,114, June 7.
- Mardock, Edwin S. : *See*—
Brunner, Eugene M., and Mardock.
- Marecaux, Paul, Laverhne, assignor to Societe Anonyme dite : Louvroil-Montbard-Aulnoye, Paris, France. Carbonization plant. 2,478,295, Aug. 9.
- Maree, A. Morgan, Jr., assignee : *See*—
Burke, James D., and Crooks.
- Marek, Charles J., Raymondville, Tex. Colored flame producing wick for candles. 2,463,988, Mar. 8.
- Maremont Automotive Products, Inc., assignee : *See*—
Hedrick, Gale H.
- Marencik, William J., and R. E. Ahlf, assignors to Thompson Products, Inc., Cleveland, Ohio. Preventing scaling. 2,458,715, Jan. 11.
- Marendaz, Donald M. K., Bergh Apton, England. Clutch gearing. 2,458,716, Jan. 11.
- Marey Machinery Co. Inc., assignee : *See*—
Casella, Secondo L.
- Marful Specialties, Incorporated, assignee : *See*—
Lagdon, Samuel W.
- Margolin, Meyer, Elgin, Ill. Shoe outsole. 2,460,838, Feb. 8.
- Margot, Alfred : *See*—
Martin, Henry, and Margot.
- Margulies, Lazar, New York, N. Y. Pencil holder. 2,461,221, Feb. 8.
- Marhofer, Edwin G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Plasticity of doughs. 2,492,588, Dec. 27.
- Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Shaft-positioning apparatus. 2,477,995, Aug. 2.
- Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Shaft rotation-limiting apparatus. 2,487,349, Nov. 8.
- Mariani, Frank N., New York, N. Y. Cigarette and cigar lighter. 2,480,414, Aug. 30.
- Mariani, Frank N., Washington Heights, N. Y. Mirror thermometer. 2,474,900, July 5.
- Marick, Louis, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y. Electrically conducting panel. 2,458,184, Jan. 4.
- Marien, Charles A., St. Louis, Mo., assignor to Ramsey Corporation, Wilmington, Del. Piston packing ring. 2,465,896, Mar. 29.
- Marien, Clement, Attleboro, Mass., assignor to Swank, Inc. Cuff link. 2,463,465, Mar. 1.
- Marien, Melvin W., St. Louis, Mo., assignor to Ramsey Corporation, Wilmington, Del. Piston ring. 2,465,521, Mar. 29.
- Marien, Melvin W., and C. E. Lippmann, St. Louis, Mo., assignors to Ramsey Corporation, Wilmington, Del. Apparatus for heat-treating piston rings. 2,465,897, Mar. 29.
- Marietta Manufacturing Company, assignee : *See*—
Newlon, George R.
- Marihart, Leo A., Monterey, Calif. One-revolution clutch. 2,475,432, July 5.
- Marine Instrument Company, assignee : *See*—
Paslay, Le Roy C.
- Marine Magnesium Products Corporation, assignee : *See*—
Clarke, Robert E., and Collins.
Gloss, Gunter H.
- Marinelli, Joseph, Newark, assignor to Bendix Aviation Corporation, Teterboro, N. J. Supercharger regulator. 2,486,047, Oct. 25.
- Mariner, John V., Los Angeles, Calif. Educational device. 2,477,134, July 26.
- Mariner, Norman E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Magazine for machine guns. 2,489,428, Nov. 29.
- Marini, Costanzo, assignee : *See*—
Leblanc, Conrad.
- Marini, Costanzo, Leominster, Mass. Comb. 2,463,893, Mar. 8.

- Marini, Costanzo, Leominster, Mass. Making combs. 2,463,894, Mar. 8.
- Marini, Herman R., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making heated window glass. 2,470,509, May 17.
- Marino, Joseph: *See*—
Eramo, Helen, Marino, and Eramo.
- Marino, Pasquale, Arlington, N. J. Framing rule. 2,487,457, Nov. 8.
- Marino, Severino F.: *See*—
Shaw, George, Marino, and Shaw.
- Marinos, William P., Hazel Park, Mich. Electric vehicle direction indicator. 2,467,841, Apr. 19.
- Marinsky, Davis, assignee: *See*—
Morin, Louis H.
- Marinsky, Davis, Bronx, N. Y.; L. H. Morin, executor of said D. Marinsky, deceased, assignor of one-half to said L. H. Morin. Removable top stop. 2,469,509, May 10.
- Marion Power Shovel Company, assignee: *See*—
Halby, Edwin G.
- Marioness & Co., Inc., assignee: *See*—
Schmidt, Karl F.
- Marlotte, Eugene S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Reversing valve mechanism for power-operated vacuum pumps. 2,478,116, Aug. 2.
- Maris, Ferdinand A., Sutter County, near Live Oak, Calif., assignor of three-fourths to F. Morgan. Valve puller. 2,467,892, Apr. 19.
- Maris, Harry B., Riverdale, Md., assignor to the United States of America as represented by the Secretary of the Navy. Aircraft instrument. 2,480,867, Sept. 6.
- Maris, James C., Glenolden, Pa., assignor to The Baldwin Locomotive Works. Equalizing system. 2,467,267, Apr. 12.
- Marisic, Milton M., Northfield, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of spheroidal aerogel pellets. 2,463,467, Mar. 1.
- Marisic, Milton M., Woodbury, and A. C. Schmitt, Wenonah, N. J., and F. C. Frank, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Simultaneous catalytic cracking and desulfurization of hydrocarbons. 2,461,069, Feb. 8.
- Marisic, Milton M., Northfield, Ill., and W. I. Denton, Woodbury, and E. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of nitriles. 2,463,466, Mar. 1.
- Marisic, Milton M., Woodbury, and A. C. Schmitt, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of forming low pH hydrogel beads. 2,464,329, Mar. 15.
- Marisic, Milton M., and E. M. Griest, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of zirconia gel. 2,467,089, Apr. 12.
- Marisic, Milton M., Northfield, Ill., and E. M. Griest, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Forming alumina-containing gel beads. 2,492,167, Dec. 27.
- Marisic, Milton M., Northfield, Ill., and E. M. Griest, State College, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Gelling viscous sol particles in aqueous ammonia. 2,492,808, Dec. 27.
- Mark, Clayton & Company, assignee: *See*—
Mark, Clayton, Jr.
- Mark, Clayton, Jr., Hula, and Alwart.
- Mark, Clayton, Jr., Wilmette, assignor to Clayton Mark & Company, Evanston, Ill. Electric water depth gauge. 2,480,490, Aug. 30.
- Mark, Clayton, Jr., Wilmette, R. Hula, Riverside, and H. J. Alwart, Chicago, assignors to Clayton Mark & Company, Evanston, Ill. Packing. 2,489,715, Nov. 29.
- Mark, Vennice E., and L. L. Anderson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Refrigerator closure and seal. 2,471,634, May 31.
- Mark, Vennice E., and L. L. Anderson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Magnetic door closure and seal. 2,471,635, May 31.
- Markarian, Moushy, North Adams, and D. B. Peck, Williamstown, assignors to Sprague Electric Company, North Adams, Mass. Aryl ethers. 2,464,877, Mar. 22.
- Markarian, Moushy, assignor to Sprague Electric Company, North Adams, Mass. Fluorinated polyaryl hydrocarbons. 2,477,543, July 26.
- Markem Machine Company, assignee: *See*—
Cheeseman, Charles H.
- Putnam, David F., and Robbins.
- Robbins, Charles F.
- Marker, Charles W., Jr., and G. F. Whitman, assignors to Barber-Colman Company, Rockford, Ill. Cutter sharpening machine. 2,477,135, July 26.
- Marker, Thomas F., Bloomfield, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Modulator. 2,492,168, Dec. 27.
- Market Forge Co., assignee: *See*—
Warshaw, Nathaniel.
- Markley, Roscoe I., Montclair, N. J., assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y. Channel type clamp for slip joints. 2,460,646, Feb. 1.
- Markley, William C., Seattle, Wash. Steam cargo hoist. 2,469,567, May 10.
- Markham, Charles E., St. Louis County, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Heat distribution control. 2,468,830, May 3.
- Markham, Roy A., Aberdeen, Wash. Liquid measuring gauge. 2,468,218, Apr. 26.
- Markham, Thomas A., Dallas, assignor of forty-nine per cent to J. J. Smith, Garland, Tex. Fluid pump. 2,461,121, Feb. 8.
- Markham, Vera, Chicago, Ill. Shoulder pad. 2,467,488, Apr. 19.
- Markland, Stanley, Leyland, assignor to Leyland Motors Limited, Kingston on Thames, Surrey, England. Speed gear lubrication. 2,487,350, Nov. 8.
- Markle, George B., Jr., assignor to Freeland Spool & Bobbin Corp., Hazleton, Pa. Bobbin positioning attachment for pinboards. 2,477,700, Aug. 2.
- Markle, Glenn R., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Strip guide. 2,469,169, May 3.
- Markley, Joseph M., Jr.: *See*—
Markley, Myron D. and J. M., Jr.
- Markley, Myron D. and J. M., Jr., Canton, Ohio. Mechanism for indicating the operations of machines. 2,487,819, Nov. 15.
- Markowitz, Jerome, Allentown, Pa. Rotatable loud speaker support with associated stationary baffle. 2,491,674, Dec. 20.
- Marks, Alvin M., New York, N. Y. Polyvinyl butyral silicate polarizer lamination. 2,487,063, Nov. 8.
- Marks, Alvin M., Flushing, N. Y. Unitary multiply polarizer. 2,492,809, Dec. 27.
- Marks, Barnard M.: *See*—
Goldrick, Richard M., and Marks.
- Marks, Barnard M., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Casting compositions comprising methyl methacrylate and glycol dimethacrylates. 2,468,094, Apr. 26.
- Marks, Barnard M., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cast synthetic resin having integral patterned effects. 2,480,749, Aug. 30.
- Marks, Barnard M., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cast synthetic resin having integral sheen. 2,480,751, Aug. 30.
- Marks, Ben D., and O. E. Dillon, Corpus Christi, Tex. Pipe-line recovery device. 2,470,255, May 17.
- Marks, Charles, Brooklyn, N. Y. Garment hanger. 2,486,749, Nov. 1.
- Marks, Henry C., Glen Ridge, N. J., assignor to Wallace & Tiernan Products, Inc. Killing bacteria in presence of a fatty acid soap with quaternary compounds. 2,479,850, Aug. 23.
- Marks, Henry C., Glen Ridge, N. J., and M. I. Rubin, New York, N. Y., assignors to Wallace & Tiernan Products, Inc. Alkamine esters of 2-chloro-4-amino benzoic acid. 2,460,139, Jan. 25.
- Marks, Jeannette M., Bridgeport, Conn. Safety pocket and bag fabrication. 2,465,736, Mar. 29.
- Marks, Milton M., assignor to Crane Co., Chicago, Ill. Reinforced core. 2,474,186, June 21.
- Marks, Mortimer, Dayton, Ohio. Protective light transmitting media. 2,479,501, Aug. 16.
- Marks, Shirley W., New York, N. Y. Releasable lens holding means for harmonizing eyeglass frames. 2,479,754, Aug. 23.
- Marks, Sydney, assignee: *See*—
Booth, Eustace R.
- Marks, Theodore K., Philadelphia, Pa. Supporting detachable legs. 2,482,012, Sept. 13.
- Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagen Corporation, Pittsburgh, Pa. Pressure totalizing device. 2,473,717, June 21.
- Markus, Harold: *See*—
Fawcett, Cecil C., Markus, and Hirt.
- Lipson, Samuel, Rothenthal, and Markus.
- Markush, Eugene A.: *See*—
Miller, Julius, and Markush.
- Marler, Dunn C., Lake Charles, La. Well packer. 2,461,650, Feb. 15.
- Marlin Firearms Co., The, assignee: *See*—
Jenkinson, Robert L.
- Robinson, Thomas R., Jr.
- Marlin Rockwell Corporation, assignee: *See*—
Peterson, Carl O.
- Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Oil-modified alkyd resin manufacture. 2,479,951, Aug. 23.
- Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Coating composition comprising an alkyd resin and an alkoxy methylol-melamine. 2,486,665, Nov. 1.
- Marling, Paul E., and J. E. Malowan, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Rustproof coating of ferrous metals. 2,486,664, Nov. 1.
- Marlowe, Donald E.: *See*—
Thompson, John I., and Marlowe.
- Marlowe, Elbert W., Chicago, Ill., and H. A. Wilcox, Los Alamos, N. Mex., assignors to The United States of America as represented by the United States Atomic Energy Commission. Impulse type power supply. 2,470,895, May 24.

- Marman Products Company, Inc., assignee: *See*—
Webster, Robert A., and Houghton.
- Marmon-Herrington Company, Inc., assignee: *See*—
Guernsey, Charles O.
Wallace, Robert C.
- Marmon-Herrington Company, Incorporated, assignee:
See—
Guernsey, Charles O.
- Marmont, George H., Chicago, Ill., assignor to Bendix Aviation Corporation, Detroit, Mich. Electroac musical instrument. 2,480,945, Sept. 6.
- Marmor, Ralph A., and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Preparation of phosphatides. 2,461,750, Feb. 15.
- Marmor, Ralph A., and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Preparation of phosphatides. 2,461,751, Feb. 15.
- Marnon, Donald E., and A. F. Strobel, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Precipitator. 2,487,458, Nov. 8.
- Maron, Meyer, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Oscillograph circuit to avoid distortion. 2,473,718, June 21.
- Maron, Meyer, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Oscillograph circuit to modulate a signal. 2,484,107, Oct. 11.
- Marong, Michael P., Warsaw, N. Y. Toy of the ball and runway type. 2,466,116, Apr. 5.
- Marovitz, Edward: *See*—
Kantor, James, and Marovitz.
- Marple, Kenneth E., Oakland, assignor to Shell Development Company, San Francisco, Calif. Rubberlike polymer of a diene hydrocarbon plasticized with an alkenyl ether of diglycerol. 2,475,290, July 5.
- Marquardt, Leonard A., Elmhurst, assignor to W. H. Miner, Inc., Chicago, Ill. Buffing mechanism for railway car-end platforms. 2,464,878, Mar. 22.
- Marques, Francisco, and S. Odabashian, San Francisco, Calif. Attachment for fenders. 2,476,502, July 19.
- Marques, Francisco, and S. Odabashian, San Francisco, Calif. Clamp. 2,479,634, Aug. 23.
- Marquette Metal Products Company, The, assignee: *See*—
Carey, Leroy J.
Hardy, Gordon W.
Horvath, Oliver.
Sacchini, Columbus R.
- Marquette, William G.: *See*—
Miller, Isador, and Marquette.
- Márquez, Nemesio, Buenos Aires, Argentina, assignor to F. A. Cardenas, Rio de Janeiro, Brazil. Automatic control system for electric circuits. 2,458,954, Jan. 11.
- Marriage, Ira J., Kansas City, Kan. Tandem rotary helicopter. 2,488,018, Nov. 15.
- Marrian, Stanley F.: *See*—
McLean, Andrew, and Marrian.
- Marriott, Robert H., London, and W. W. Myddleton, New Malden, England. Reaction of stilboestrol with camphor. 2,460,941, Feb. 8.
- Marriott, Roscoe R., Bingham Canyon, Utah. Spring oscillating chair. 2,462,521, Feb. 22.
- Marrocco, Guy D., Brooklyn, assignor to Carman & Co., Inc., New York, N. Y. Safety pin. 2,474,112, June 21.
- Mars and Huzenlaub, assignee: *See*—
Huzenlaub, Erich G.
- Marsalls, Martin E., Fort Worth, Tex. Circulating fan support. 2,488,306, Nov. 15.
- Marschall, Frederick F., Augusta, Ga. Combined pestle and mercury dispensing apparatus. 2,483,656, Oct. 4.
- Marschner, Robert E., Homewood, assignor to Standard Oil Company, Chicago, Ill. Superfuel. 2,485,897, Oct. 25.
- Marsden, George, Los Angeles, Calif. Display scale wherein a drum is rotated by initial movement of the scale. 2,490,696, Dec. 6.
- Marsden, Irvin, Horsforth, Leeds, assignor to Platt Brothers & Company Limited, Oldham, England. Drive mechanism connected with carding engines. 2,466,606, Apr. 5.
- Marsden, Irvin, Horsforth, Leeds, and L. Collins, assignors to Platt Brothers and Company Limited, Oldham, England. Roller feeding apparatus for feeding slivers to carding engines and the like. 2,480,491, Aug. 30.
- Marsden, James, and G. F. Roedel, Schenectady, N. Y., assignors to General Electric Company. Preparation of methyl silicone elastomers. 2,469,883, May 10.
- Marsden, John B., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Inside delivery scatter feed stoker. 2,483,215, Sept. 27.
- Marsden, John E., Philadelphia, Pa. Baseball bat. 2,458,919, Jan. 11.
- Marsh, Delos E., Kingsburg, assignor to C. A. Miketta, Los Angeles, Calif. Resistively marked heating element and making same. 2,487,064, Nov. 8.
- Marsh, Earle S., Temple City, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas separator. 2,474,540, June 28.
- Marsh, Edward S., Watford, England. Wheel for roller skates and the like. 2,485,304, Oct. 18.
- Marsh, Jas. P., Corporation, assignee: *See*—
Rose, Alexander D.
Rose, Alexander D., and Willach.
- Marsh, John L., North Tonawanda, N. Y. Beading machine. 2,484,632, Oct. 11.
- Marsh, John W., Alexandria, Va. Valve structure. 2,470,041, May 10.
- Marsh, John W., Arlington, Va. Distribution and by-pass valve for reciprocating expandable-chamber engines. 2,464,330, Mar. 15.
- Marsh, Kirtland, assignor to Aluminum Company of America, Pittsburgh, Pa. Metal melting. 2,465,544, Mar. 29.
- Marsh, Kirtland, assignor to Aluminum Company of America, Pittsburgh, Pa. Apparatus for metal melting. 2,465,545, Mar. 29.
- Marsh, Kirtland, assignor to Aluminum Company of America, Pittsburgh, Pa. Furnace structure. 2,477,136, July 26.
- Marsh, Leroy L., Rocky Ford, Colo. Detachable casing for consumable elements. 2,465,597, Mar. 29.
- Marsh, Richard C., Detroit, Mich. Plaster cast cutter. 2,490,878, Dec. 13.
- Marsh, Robert H., San Marino, Calif., assignor, by mesne assignments, to Super Tool Company. Rotary cutter. 2,476,749, July 19.
- Marsh, Rutherford H., Girard, Pa.; M. L. Irons, administratrix of said R. H. Marsh, deceased. Oscillatory washing machine agitator. 2,471,760, May 31.
- Marsh Stencil Machine Company, assignee: *See*—
Marsh, Walton C.
- Marsh Wall Products, Inc., assignee: *See*—
Graft, Glen L.
Robinson, Joseph, Jr.
Robinson, Joseph J., Jr.
- Marsh, Walter W., and P. Welch, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrode arrangement for electron discharge devices. 2,465,385, Mar. 29.
- Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Portable tape sealer. 2,487,351, Nov. 8.
- Marshalka, Bronie, Waterbury, Conn. Coin dispenser. 2,467,762, Apr. 19.
- Marshall, Angela, Adel, Iowa. Collapsible headrest. 2,460,942, Feb. 8.
- Marshall, Bruce G., Jackson, Miss. Producing and testing specimens of paving mixtures. 2,471,227, May 24.
- Marshall, Charles J., Dayton, Ohio. Guided missile control system. 2,480,868, Sept. 6.
- Marshall, Charles L., by change of name: *See*—
Malaspina, Celso L.
- Marshall, Charles O., Jr., assignor to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,482,013, Sept. 13.
- Marshall, Donald E., Summit, N. J., S. R. Howard, Milton, Mass., and F. R. Clark, West Orange, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Filling and closing cartons. 2,480,587, Aug. 30.
- Marshall, Edward T.: *See*—
Voorhies, Alexis, Jr., and Marshall.
- Marshall Field & Company, assignee: *See*—
Medbery, Edward W.
- Marshall, Fred R.: *See*—
Zarem, Abe M., and Marshall.
- Marshall, George K., Lombard, Ill., assignor to General Electric Company. Refrigerating system. 2,466,460, Apr. 5.
- Marshall, Hamilton L. J., assignor to Paterson Plastics Co., Mobile, Ala. Thermosetting synthetic molding composition and its manufacture. 2,481,136, Sept. 6.
- Marshall, Harry B.: *See*—
Sankey, Charles A., and Marshall.
- Marshall, Hobart M., assignee: *See*—
Pennington, Clyde F.
- Marshall, James F., Newton, Iowa. Automatic lathe chuck. 2,474,633, June 28.
- Marshall, John F.: *See*—
Elmore, William C., and Marshall.
- Marshall, Joseph F., Rochester, N. Y., assignor to Stromberg-Carlson Company. Filament voltage supply. 2,466,250, Apr. 5.
- Marshall, Laurence K.: *See*—
Dawson, John W., and Marshall.
- Marshall, Richard B., assignor to Electromaster, Inc., Detroit, Mich. Heating system. 2,464,703, Mar. 15.
- Marshall, Roy K., Narberth, Pa. Star image projecting apparatus. 2,483,216, Sept. 27.
- Marshall, Velkko J., assignor to Norton Company, Worcester, Mass. Infeed for grinding machines. 2,464,142, Mar. 8.
- Marshall, Wallace P., Newark, assignor to Pittsburgh Plate Glass Company, Essex County, N. J. Sealing material. 2,460,181, Jan. 25.
- Marsilius, Newman M., Trumbull, Conn. Removable guide pin. 2,488,214, Nov. 15.
- Marslek, Emil J., assignor, by mesne assignments, to Cartridge Type Seal Company, Chicago, Ill. Shaft seal. 2,465,546, Mar. 29.
- Marson, Frank P., Murfreesboro, and R. L. Sims, Winchester, Tenn. Funeral truck adapter. 2,463,403, Mar. 1.
- Marsow, Alexander V., Manila, P. I. Variable speed control mechanism. 2,480,492, Aug. 30.
- Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Bearing. 2,459,825, Jan. 25.

- Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Fluid pressure bearing. 2,459,826, Jan. 25.
- Martens, Edward R., assignor to The Warner Aircraft Corporation, Detroit, Mich. Device for producing fluid under pressure and for maintaining said pressure. 2,491,675, Dec. 20.
- Marter, Hans, assignor to Societa Tecnica Applicazioni Metalli Duri Ed Affini-S. T. A. M. A., Milan, Italy. Wire coiling machine particularly for producing coiled filaments for electric lamps and electronic tubes. 2,458,789, Jan. 11.
- Martha Realty Company, assignee: *See*—Gregory, Benjamin F.
- Marti, Othmar K., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve with vitreous enamel seals. 2,459,827, Jan. 25.
- Marti, Othmar K., Wauwatosa, and E. B. Steinberg, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve with grid mounted on divided anode insulator. 2,459,828, Jan. 25.
- Martin, Albert M., Park Ridge, Ill. Vertical file. 2,459,385, Jan. 18.
- Martin, Alexander, Dedham, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Ventilation system. 2,487,570, Nov. 8.
- Martin, Alexander, Dedham, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Ventilating apparatus. 2,490,914, Dec. 13.
- Martin, Andrew J., East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isobutylene-nitrosylchloride addition. 2,474,901, July 5.
- Martin, Andrew J., East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isobutylene-nitrosyl chloride addition. 2,474,902, July 5.
- Martin, Andrew J., East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isobutylene-nitrosyl chloride addition. 2,474,903, July 5.
- Martin, Andrew J., East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Rearrangement and alcoholysis of nitrosyl chloride-isobutylene adduct. 2,484,633, Oct. 11.
- Martin, Arthur S., Santa Ana, Calif. Safety inside vehicle door latch actuator. 2,488,635, Nov. 22.
- Martin, Bradford, Washington, Pa. Line fastener and tightener. 2,482,282, Sept. 20.
- Martin, Bradford, Washington, assignor, by mesne assignments, to Solar Engineering & Equipment Co., Beaver, Pa. Decorating machine. 2,492,052, Dec. 20.
- Martin, Bruce, Chatham, England. Episcopic projection apparatus with brilliant illumination means. 2,468,679, Apr. 26.
- Martin, Bruce, Chatham, England. Welding of metal stubs to metal plates. 2,475,907, July 12.
- Martin, Charles L.: *See*—Hallander, Arthur L.
- Martin, Charles S., Leicester, L. H. Colton, West Bridgford, Nottingham, and A. E. Cooke, Leicester, England. Stop motion for knitting machines. 2,488,133, Nov. 15.
- Martin, Clyde S., Miami, Fla. Refrigerant expansion valve. 2,463,892, Mar. 8.
- Martin, David W., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Antenna. 2,483,217, Sept. 27.
- Martin, Dorian R., Cleveland, Ohio. Reflected view mirror for automotive vehicles. 2,483,289, Sept. 27.
- Martin, Ernest E., Pasadena, assignor to Universal Properties, Inc., Los Angeles, Calif. Reeling mechanism. 2,478,494, Aug. 9.
- Martin, Ernest E., Pasadena, assignor to Universal Properties, Inc., Los Angeles, Calif. Take-up hose reeling equipment. 2,478,540, Aug. 9.
- Martin, Edward J., Pleasant Ridge, and G. G. Scott, assignors to General Motors Corporation, Detroit, Mich. Sealed heat ray detector. 2,491,192, Dec. 13.
- Martin Elevator Company, assignee: *See*—Schoenbaum, Joseph R.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tetrahydro-1-hydroxy-2 and -3-naphthamidobenzaldehydes and their acetals with lower alkanols and 1,2 and 1,3-alkanediols. 2,472,910, June 14.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quinoneimine dyes from hydroxy-benzamidobenzaldehyde and hydroxybenzulfamido benzaldehyde acetals of lower alkanols and 1,2 and 1,3-alkanediols. 2,472,911, June 14.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acid halides of 5-acetoxypyrazoles. 2,476,986, July 26.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 5-acetoxypyrazoles and making same. 2,476,987, July 26.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 5-acetoxypyrazole amidonacetals. 2,476,988, July 26.
- Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric color formers. 2,489,669, Nov. 29.
- Martin, Eugene, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated. Coal pusher. 2,478,158, Aug. 2.
- Martin, Eugene, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated. Tender bin discharge means. 2,492,102, Dec. 20.
- Martin, Floyd A.: *See*—Stone, Sardine, and Martin.
- Martin, Fred O., assignee: *See*—Zimmerman, Maximilian E.
- Martin, Frederick H., Lewisham, London, England. Plurality of piezoelectric crystals having mirror surfaces for scanning. 2,465,898, Mar. 29.
- Martin, George, New Hyde Park, N. Y. Collapsible cart. 2,475,797, July 12.
- Martin, George B., Detroit, Mich., assignor to Federal Machine & Welder Company, Warren, Ohio. Control apparatus. 2,467,090, Apr. 12.
- Martin, George B., Detroit, Mich., and B. D. Berger, assignors to The Federal Machine and Welder Company, Warren, Ohio. Electric resistance welders. 2,460,759, Feb. 1.
- Martin, George P.: *See*—Hess, Robert W., and Martin.
- Martin, George W., Eau Claire, Wis. Steering stabilizer. 2,462,272, Feb. 22.
- Martin, George W., Eau Claire, Wis. Fuel tank closure means. 2,475,397, July 5.
- Martin, George W., Eau Claire, Wis. Propeller clutch. 2,477,521, July 26.
- Martin, George W., Eau Claire, Wis. Outboard motor choke and priming means. 2,489,494, Nov. 29.
- Martin, Glenn L., Company, The, assignee: *See*—Albrecht, Fritz.
- Barrick, Ray E., and Morison, Bell, Chauncey F., and Taylor, Berger, Richard E., and Hessler, Evans, William G., and Schaefer, Hoge, George F., Kezer, Charles F., Miller, Leslie T., Schulze, Richard B., Sheleski, Joseph, Stewart, Earle, Taylor, Thomas L., Bell, Jr., and Wentz, Turnbull, William J., Van Zelm, Willem D., Hill, and Welden, Veit, Hermann E., Veit, Hermann E., and Krout, Weber, Louis, Wilkinson, Walter G.
- Martin, Graham R., Montreal, Quebec, Canada. Coating surfaces with boron. 2,484,519, Oct. 11.
- Martin, Gustav J.: *See*—Avakian, Souren, and Martin.
- Martin, Gustav J., assignor to The National Drug Company, Philadelphia, Pa. Chemotherapeutic agents. 2,485,501, Oct. 18.
- Martin, Gustav J., and H. Urist, assignors to The National Drug Company, Philadelphia, Pa. Gamma-hydroxy-N-butyl taurine and salts thereof. 2,465,737, Mar. 29.
- Martin, Gustav J., and H. Urist, assignors to The National Drug Company, Philadelphia, Pa. 2-acetoxybenzyl acetylsalicylate. 2,474,005, June 21.
- Martin, Gustav J., Philadelphia, and S. Avakian, Oreland, assignors to The National Drug Company, Philadelphia, Pa. 4-[(2-amino-4-hydroxy-6-pteridyl) methyl]amino] benzenesulfonamide and salts thereof. 2,476,557, July 19.
- Martin, Gustav J., and H. Urist, assignors to The National Drug Company, Philadelphia, Pa. Oxypterol glutamic acid and preparing same. 2,478,873, Aug. 9.
- Martin, Gustav J., and H. Urist, assignors to The National Drug Company, Philadelphia, Pa. Chemotherapeutic agents. 2,478,874, Aug. 9.
- Martin, Gustav J., and H. Urist, assignors to The National Drug Company, Philadelphia, Pa. Methyl oxyfolic acid. 2,484,634, Oct. 11.
- Martin, Harold, Chatham, England. Electric welding metal stud-like articles to metal plate-like bodies. 2,462,882, Mar. 1.
- Martin, Harold M., Phoenix, Ariz., assignor to General Electric Company. Inductor type dynamoelectric machine and cleaner apparatus. 2,490,531, Dec. 6.
- Martin, Harold W.: *See*—Goodwin, Carl W., and Martin.
- Vore, Herbert G., and Martin.
- Martin, Harold W., Malverne, N. Y., and C. W. Goodwin, Plainfield, N. J., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. One-revolution clutch. 2,475,749, July 12.
- Martin, Harry R., Des Moines, Iowa. Battery post clamp. 2,470,104, May 17.
- Martin, Henry, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Basic esters of aliphatic tertiary carboxylic acids. 2,460,182, Jan. 25.
- Martin, Homer Z.: *See*—Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
- Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Removing entrained gaseous fluids from solids. 2,458,866, Jan. 11.
- Martin, Howard S.: *See*—Goldsberry, Albert W., and Martin.

- Martin, J. B., Company, assignee: *See*—
Sullivan, Woodruff T.
- Martin, James: *See*—
Pelphrey, Harry, and Martin.
- Martin, James, Ferndale, assignor to Michigan Tool Company, Detroit, Mich. Grinding machine. 2,462,522, Feb. 22.
- Martin, James, Ferndale, assignor to Michigan Tool Company, Detroit, Mich. Form tool planer. 2,477,490, July 26.
- Martin, James, Higher Denham, near Uxbridge, England. Launching means for airplane seats. 2,467,763, Apr. 19.
- Martin, James, Higher Denham, near Uxbridge, England. Apparatus for testing on the ground ejection seats intended for use in aircraft. 2,467,764, Apr. 19.
- Martin, James, Higher Denham, near Uxbridge, England. Tethering device for airplanes. 2,469,659, May 10.
- Martin, James, Higher Denham, near Uxbridge, England. Control of variable pitch airscrews for aircraft. 2,469,660, May 10.
- Martin, James R., Sr., Anderson, S. C. Collapsible hoist. 2,488,920, Nov. 22.
- Martin, James V., Rochelle Park, N. J. Lightweight resilient tire. 2,492,433, Dec. 27.
- Martin, James W., St. Petersburg, Fla. Frozen food vehicle. 2,466,994, Apr. 12.
- Martin, Jean, Paris, France, assignor to Societe Francaise Radio-Electrique. Demountable vacuum tube. 2,479,755, Aug. 23.
- Martin, Jerome, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Biochemical process for production of vitamins of the B complex. 2,491,927, Dec. 20.
- Martin, John B., Glen Ellyn, Ill., assignor to The Kendall Company, Boston, Mass. Adhesive tape and composition therefor. 2,484,416, Oct. 11.
- Martin, John E., Oak Park, Ill. Drainage device. 2,491,124, Dec. 13.
- Martin, John W., Brooklyn, N. Y. Mophead having detachable mop and jaw unit. 2,492,232, Dec. 27.
- Martin, Louis, Brooklyn, N. Y. Printing bed for screen-process printing machines. 2,480,493, Aug. 30.
- Martin, Lynn P.: *See*—
Olson, Wilbur K., and Martin.
- Martin, Lynn P., assignor to W. A. Scheaffer Pen Company, Fort Madison, Iowa. Clip for writing instruments. 2,473,688, June 21.
- Martin, Margaret J., assignee: *See*—
Martin, Stoddard B.
- Martin, Marion E., administratrix: *See*—
Martin, Otis C.
- Martin, Mervin E., Cumberland, Md., and M. Umansky, Summit, N. J., assignors to Celanese Corporation of America. Cellulose purification. 2,482,853, Sept. 27.
- Martin, Mervin E., L. G. Reed and J. L. Thomas, Cumberland, Md., assignors to Celanese Corporation of America. High clarity cellulose esters. 2,484,108, Oct. 11.
- Martin, Mervin E., and T. M. Andrews, Cumberland, Md., assignors to Celanese Corporation of America. Cellulose esterification. 2,489,382, Nov. 29.
- Martin, Otis C., deceased, Los Angeles, Calif., by M. E. Martin, administratrix, San Gabriel, Calif., assignor to H. Nock, Elizabeth, N. J. Pilot valve structure. 2,467,533, Apr. 19.
- Martin, Paul N.: *See*—
Gilson, Robert M., and Martin.
- Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track circuit apparatus. 2,465,691, Mar. 29.
- Martin, Paul N., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Traffic detecting apparatus. 2,492,388, Dec. 27.
- Martin, Philip W., Huntington Park, Calif. Method of and apparatus for measuring the length of magnetic material. 2,466,251, Apr. 5.
- Martin, Rutherford B., assignor to Kennecott Copper Corporation, New York, N. Y. Froth flotation of sulfide ores in the presence of a N-dichlorothiocarbanilide. 2,458,523, Jan. 11.
- Martin, Ruby M., Akron, Ohio. Shoe. 2,478,411, Aug. 9.
- Martin, Russell G., Russellville, W. Va. Safety device for setting off explosive charges. 2,481,231, Sept. 6.
- Martin, Samuel, Jr., Ballston Lake, N. Y., assignor to General Electric Company. Material drying apparatus. 2,492,754, Dec. 27.
- Martin, Samuel M., Ephrata, Pa. Hydraulic baling press. 2,476,672, July 19.
- Martin, Sida S., executrix: *See*—
Boynston, Alexander.
- Martin, Stoddard B., Cleveland, Ohio; Central National Bank of Cleveland, executor of said S. B. Martin, deceased, assignor to M. J. Martin. Pusher. 2,479,074, Aug. 16.
- Martin, Stoddard B., Cleveland, Ohio; Central National Bank of Cleveland, executor of said S. B. Martin, deceased, assignor to M. J. Martin. Screw locking means. 2,479,075, Aug. 16.
- Martin, Stoddard B., Cleveland, Ohio; Central National Bank of Cleveland, executor of said S. B. Martin, deceased, assignor to M. J. Martin. Pusher. 2,479,076, Aug. 16.
- Martin, Theodore, Sunnyside, N. Y. Spectacle frame. 2,482,195, Sept. 20.
- Martin, Thomas B.: *See*—
Haines, John F., and Martin.
- Martin, Thomas B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller controller. 2,466,775, Apr. 12.
- Martin, Wade B., Ramsey, N. J., and H. Talberth, Brooklyn, N. Y. Current control circuit. 2,464,704, Mar. 15.
- Martin, Warren S., Massapequa, N. Y. Converting material. 2,471,882, May 31.
- Martin, Warren S., Massapequa, assignor to Morse Boulder Destructor Company, New York, N. Y. Sludge and refuse disposal. 2,483,918, Oct. 4.
- Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for progressively enameling continuous metal sheeting. 2,469,123, May 3.
- Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded tank construction. 2,480,376, Aug. 30.
- Martin, Wilbert A., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap action device. 2,476,056, July 12.
- Martin, Wilbert A., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Rotary operated snap acting device. 2,476,103, July 12.
- Martin, William, Jr., assignee: *See*—
Schoenbaum, Joseph R.
- Martin, William E., Kewanee, Ill. Operating means for trailer goosenecks. 2,471,277, May 24.
- Martin, William E., Kewanee, Ill. Trailer connection. 2,471,636, May 31.
- Martin, William F.: *See*—
Moyer, Malcolm B., and Martin.
- Martin, William F., Arlington, Va. Sliding drawer. 2,466,033, Apr. 5.
- Martin, William H., Grosse Pointe, Mich. Electric switch construction. 2,485,399, Oct. 18.
- Martin, William M., River Forest, W. F. Pillnik, Harvey, and D. E. Wobbe, Maywood, Ill., assignors to American Can Company, New York, N. Y. Apparatus for washing the side seams of can bodies. 2,461,559, Feb. 15.
- Martin, William O., assignor to William O. Martin, Inc., Fort Smith, Ark. Boiler high and low water control and Smith, Ark. Boiler high and low water control and alarm system. 2,487,933, Nov. 15.
- Martin, William O., Inc., assignee: *See*—
Martin, William O.
- Martineau, Philip, Lawrence, Mass. Gaff hook. 2,463,706, Mar. 8.
- Martinek, Eugene F., Cleveland, Ohio, assignor to Norma-Hoffman Bearings Corporation, Stamford, Conn. Skate wheel structure. 2,467,437, Apr. 19.
- Martinek, Louis P., Cleveland, Ohio. Print-handling device. 2,461,831, Feb. 15.
- Martines, Rene, Cranston, assignor, by mesne assignments, to Electric Terminal Corporation, Providence, R. I. Soldering terminals for electrical conductors. 2,483,424, Oct. 4.
- Martinet, Joseph, and M. Deshays, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation, New York, N. Y. Selenium rectifiers and manufacturing the same. 2,476,989, July 26.
- Martinez, Clement, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Power supply regulator system. 2,474,269, June 28.
- Martini, Edouard, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Direction-responsive receiver. 2,485,619, Oct. 25.
- Martinis, Ernest L., Southgate, Ky. Antiskidding appliance for automobiles. 2,463,634, Mar. 8.
- Martinka, Charlie, assignee: *See*—
Martinka, John P.
- Martinka, Edrin, assignee: *See*—
Martinka, John P.
- Martinka, George, assignee: *See*—
Martinka, John P.
- Martinka, John P., assignor of twenty per cent to C. Martinka, twenty per cent to E. Martinka, twenty per cent to G. Martinka, twenty per cent to M. Martinka, and twenty per cent to J. R. Martinka, El Campo, Tex. Foot-operated step-by-step switch. 2,491,748, Dec. 20.
- Martinka, John R., assignee: *See*—
Martinka, John P.
- Martinka, Martha, assignee: *See*—
Martinka, John P.
- Martinmaas, Werner W., Jr., Orient, S. Dak. Rotary vane engine. 2,469,510, May 10.
- Martinovich, Nicholas, Berlin Center, Ohio. Automatic manure conveyor. 2,460,894, Feb. 8.
- Martins-Birmingham Limited, assignee: *See*—
Davies, Herbert.
- Martinson, Lawrence E., Rochester, N. Y., and K. Sun, East Pittsburgh, Pa., assignors to Eastman Kodak Company, Rochester, N. Y. Silver coating organic surfaces. 2,464,143, Mar. 8.
- Martinsson, Gunnar R. C., Chicago, Ill. Autofocus photographic enlarging apparatus. 2,465,692, Mar. 29.
- Marton, Béla, and E. Reich, Budapest, Hungary. Piston engine. 2,491,869, Dec. 20.

- Martt, Ernest C., Cleveland, Ohio, assignor to General Electric Company. Supporting structure for electric discharge lamps. 2,491,868, Dec. 20.
- Marty, Amos R., Marion, Ohio. Light ray and massage therapy. 2,490,074, Dec. 6.
- Martz, Joseph G., Milwaukee, Wis. Rotatable auxiliary seat. 2,465,026, Mar. 22.
- Marus, Michael, Plant City, Fla. Closure fastener. 2,459,666, Jan. 18.
- Marvel, Carl S., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers containing polymeric chain carbon atoms to which are attached carbocyclic ring containing radicals. 2,478,495, Aug. 9.
- Marvel Equipment Corporation, assignee: *See*—Roethel, John H.
- Marvin, Harry B.: *See*—Goodale, Charles J., and Marvin.
- Marvin, John T., Dayton, and G. H. McFadden, Columbus, Ohio, said Marvin assignor to General Motors Corporation, Detroit, Mich., and said McFadden assignor to The Ohio State Research Foundation, Columbus, Ohio. Producing latex foam. 2,475,191, July 5.
- Marvin, Philip R., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety control system for fuel burners. 2,491,125, Dec. 13.
- Marx, Joseph P., Hartford, Wis. Setting and locking fitting. 2,467,842, Apr. 19.
- Marx, Walter S., Jr., assignor to Printing Arts Research Laboratories, Inc., Santa Barbara, Calif. Halftone screen for use in the manufacture of printing plates. 2,468,680, Apr. 26.
- Marxer, Adrian: *See*—Miescher, Karl, and Marxer.
- Marxmiller, Elmer C.: *See*—Suhl, Richard W., and Marxmiller.
- Marye, Robert B., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Resistance measuring apparatus. 2,482,196, Sept. 20.
- Maryland Baking Company, Inc., assignee: *See*—Heyman, Albert A.
- Marziani, Joseph, Philadelphia, Pa. Heat and pressure applying apparatus. 2,490,915, Dec. 13.
- Mas, José A., Indianapolis, Ind., assignor, by mesne assignments, to Corneli-Dubilier Electric Corporation, South Plainfield, N. J. Vibrating device. 2,468,991, May 3.
- Mas, José A., Indianapolis, Ind., assignor, by mesne assignments, to Corneli-Dubilier Electric Corporation, South Plainfield, N. J. Polarity changer. 2,489,656, Nov. 29.
- Mas, Joseph A.: *See*—Brown, Harold J., and Mas.
- Masabny, Anthony N., Allston, Mass. Dial illuminating means for telephones. 2,464,595, Mar. 15.
- Masbruch, Henry, assignor to Russell Manufacturing Company, Platteville, Wis. Bull halter and controller. 2,458,717, Jan. 11.
- Mascarenhas, Eneas G., Minas, Brazil. Loom. 2,477,996, Aug. 2.
- Maschinenfabrik Oerlikon, assignee: *See*—Karrer, Werner.
- Leyvraz, Pierre.
- Mascl, Joseph N., New Brunswick, N. J., assignor to Johnson & Johnson. Treating sealed tubes. 2,478,931, Aug. 16.
- Mascl, Joseph N., New Brunswick, N. J., assignor to Johnson & Johnson. Container for aseptic material. 2,479,581, Aug. 23.
- Mascia, Michael L.: *See*—Brown, Aldrich M., and Mascia.
- Mascioli, Mario V., and A. T. Buono, assignors to Philco Corporation, Philadelphia, Pa. Refrigerator, including a frozen food thawing apparatus. 2,465,107, Mar. 22.
- Maselter, Alois M., Rockville, Minn. Spring clip for adjusting wrench screws. 2,483,917, Oct. 4.
- Mashburn, W. O., Jr., assignee: *See*—Murray, Victor B.
- Masket, Albert V., L. B. Snoddy, and J. W. Beams, Charlottesville, Va. Projectile testing machine. 2,478,663, Aug. 9.
- Masland, C. H., & Sons, assignee: *See*—Carter, Robert E.
- Harding, John H.
- MacCaffray, Rex S., Jr.
- Maslonka, John G., assignee: *See*—Bartels, Frank.
- Mason, Arthur C., Wayne Township, Passaic County, N. J. Machine for and method of forming bodies by grinding. 2,486,750, Nov. 1.
- Mason Box Company, The, assignee: *See*—Rhodes, Russell I.
- Mason, Carl T., Little Rock, Ark. Surgical splint for small animals. 2,474,634, June 28.
- Mason, Clesson E., assignor to The Foxboro Company, Foxboro, Mass. Method and apparatus for control. 2,476,104, July 12.
- Mason, Donald E., Greensboro, N. C. Coke ignition device. 2,492,705, Dec. 27.
- Mason, Ernest J., Marion, Ind. Lightweight-reinforced locking sectional handle. 2,488,309, Nov. 15.
- Mason, Frank D., Forest Hills, assignor to Ansbros and Mason, Incorporated, Corona, N. Y. Pocket lighter. 2,477,522, July 26.
- Mason, Fred J., Syracuse, N. Y. Sander. 2,487,157, Nov. 8.
- Mason, Frederick P., assignor to Creed and Company Limited, Croydon, England. Automatic gain control. 2,476,990, July 26.
- Mason, George, Framingham, Mass. Novelty headdress. 2,464,331, Mar. 15.
- Mason, Homer A., Chicago, Ill. Cigarette lighter. 2,470,710, May 17.
- Mason, James F., Glen Cove, N. Y., and A. H. Beebe, Jr., Ann Arbor, Mich., assignors to Reynolds Metals Company, Inc., Richmond, Va. Electrolytic sealing of anodized aluminum surfaces. 2,469,237, May 3.
- Mason, John F., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Sealing device for high-pressure vessels. 2,467,061, Apr. 12.
- Mason-Neilan Regulator Company, assignee: *See*—McAlear, James M.
- Mason, Ralph B.: *See*—Smith, Warren M., and Mason.
- Mason, Ralph B., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Chemical method of coating aluminum. 2,464,596, Mar. 15.
- Mason, Ralph B., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Etching aluminum. 2,472,304, June 7.
- Mason, Ronald G.: *See*—Carroll, Michael F., and Mason.
- Mason, Ruric C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuits. 2,459,667, Jan. 18.
- Mason, Thomas F., San Francisco, Calif. Combination potato slicer and collector. 2,489,581, Nov. 29.
- Mason, Thomas H., Peoria, Ill. Safety hasp keeper. 2,462,523, Feb. 22.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,458,615, Jan. 11.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,460,520, Feb. 1.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,460,703, Feb. 1.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,460,704, Feb. 1.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical light valve of ammonium dihydrogen phosphate crystal. 2,467,325, Apr. 12.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Effective contouring of piezoelectric crystal elements. 2,468,301, Apr. 26.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic wave filter with resistive termination, including side branch chamber. 2,468,454, Apr. 26.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric type switching relay. 2,471,967, May 31.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,472,715, June 7.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,472,753, June 7.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetron oscillator. 2,474,485, June 28.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compensation of distortion in guided waves. 2,480,038, Aug. 23.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,484,635, Oct. 11.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulation system. 2,484,636, Oct. 11.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,486,187, Oct. 25.
- Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Generation of transverse vibrations in liquids. 2,490,452, Dec. 6.
- Mason, William B., assignee: *See*—Tapp, Robert E., and Russ.
- Mason, William L., Lincoln, Nebr. Turf penetrating implement. 2,487,158, Nov. 8.
- Masone, Anthony N., Waterbury, Conn. Revolving Christmas tree stand. 2,469,884, May 10.
- Masonite Corporation, assignee: *See*—Boehm, Robert M., and Hall.
- Boehm, Robert M., and Simpson.
- Story, Charles F.
- Massa, Frank, Cleveland Heights, Ohio. Piezoelectric sound pressure microphone. 2,472,714, June 7.

- Massa, Frank, Cleveland Heights, Ohio. Transducer means. 2,475,148, July 5.
- Massachusetts Leather Products Company, assignee: *See*—Pearlstein, Norman.
- Massachusetts Mohair Plush Company, assignee: *See*—Greenwood, Edgar.
- Massaro, Peter J., assignor to I. F. Fishman, New York, N. Y. Interchangeable eye lens frame. 2,471,338, May 24.
- Masset, Edouard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Benzil-acid derivative and the manufacture thereof. 2,477,816, Aug. 2.
- Massey, Albert G.: *See*—Rodeck, Armin H., and Massey.
- Massey, B. & S., Limited, assignee: *See*—Foster, John.
- Massey, George L., Fort Worth, Tex. Brush setting device. 2,466,661, Apr. 5.
- Massey-Harris Company, The, assignee: *See*—Todd, Everett W.
- Massey-Harris Co. Ltd., assignee: *See*—Carroll, Thomas.
- Massey Machine Company, assignee: *See*—Rodeck, Armin H., and Massey.
- Massey, Thomas N.: *See*—Fox, Roy C., and Massey.
- Massie, Loyal M., Hamilton, Ohio. Bank vault door and frame. 2,488,063, Nov. 15.
- Masson, Frederick A., Winnipeg, Manitoba, Canada. Door check and closer. 2,483,142, Sept. 27.
- Massonneau, Robert F.: *See*—Bascom, Henry M., Massonneau, Ostendorf, Jr., Rea.
- Mast Development Company, Inc., assignee: *See*—Mast, Gifford M.
- Mast, Gifford M., assignor to Mast Development Company, Inc., Davenport, Iowa. Stereoscopic picture disk and viewer therefor. 2,487,459, Nov. 8.
- Mast, William C., and L. T. Smith, Philadelphia, and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Synthetic rubberlike materials from an alkyl acrylate and a diolefinically unsaturated ether. 2,492,169, Dec. 27.
- Mast, William C., Philadelphia, C. E. Rehberg, Glenside, and C. H. Fisher, Abington, Pa., assignors to United States of America as represented by the Secretary of Agriculture. Synthetic rubberlike materials from an alkyl acrylate and a haloalkyl acrylate. 2,492,170, Dec. 27.
- Mastabar Belt Fastener Company, Limited, assignee: *See*—Tebb, Bernard.
- Masten, Seymore L., Monsey, N. Y. Article mixing and dispensing apparatus. 2,490,144, Dec. 6.
- Master Builders Company, The, assignee: *See*—MacPherson, Donald R.
- MacPherson, Donald R., France, and Ernsberger, Wood, Bourdette R.
- Master Corporation, The, assignee: *See*—James, Frazier N.
- Master Electric Company, The, assignee: *See*—Leflar, Jerome.
- Master Lock Company, assignee: *See*—Soref, Harry E., and Foote.
- Master Technique Board Co., assignee: *See*—Silver, Stan.
- Master, Warren S., Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Support for voltage regulators. 2,474,270, June 28.
- Mastercole, Mary, assignee, executrix: *See*—Mastercole, Philip, and Mastercole.
- Mastercole, Philip, M. Mastercole, executrix of said P. Mastercole, deceased, assignor to M. Mastercole, Steubenville, Ohio. Annealing furnace. 2,476,204, July 12.
- Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Antenna. 2,480,153, Aug. 30.
- Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Antenna. 2,480,154, Aug. 30.
- Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Antenna system. 2,480,155, Aug. 30.
- Masters, Thurlo G., administrator: *See*—Brown, Maurice J.
- Mastney, Edward J., Berwyn, and J. H. Williams, assignors to Oak Mfg. Co., Chicago, Ill. Control apparatus for tuners. 2,469,170, May 3.
- Mastriani, Elvin A.: *See*—Ashton, Everett H., Mallard, and Mastriani.
- Lake, Francis G., and Mastriani.
- Mastromarino, Vincent, New York, N. Y. Automobile curb guide. 2,482,630, Sept. 20.
- Mastropole, Alfred J.: *See*—Collins, John E., and Mastropole.
- Mastropole, Alfred J., Allendale, assignor to Bendix Aviation Corporation, Teterboro, N. J. Accessory drive control. 2,487,934, Nov. 15.
- Matarazzo, Giannicola, Sao Paulo, Brazil. Mechanism for inverting double-faced phonograph records. 2,492,874, Dec. 27.
- Matarrese, Carlo, Bronx, N. Y. Device for grinding and grating food. 2,483,472, Oct. 4.
- Matchet, James: *See*—Bridge, Walter, and Matchet.
- Mateo, Manuel J., Jr., Evanston, assignor to Poole Bros. Inc., Chicago, Ill. Ticket holder. 2,483,553, Oct. 4.
- Materials Engineering Corporation, assignee: *See*—Watts, Vilas E.
- Materials Handling Laboratories, assignee: *See*—Moffat, Alexander W.
- Matheis, Aaron, Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Grease interceptor. 2,479,386, Aug. 16.
- Matheis, Aaron, Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Floor drain fixture. 2,490,075, Dec. 6.
- Matheny, David, New Brighton, Pa. Golf cup. 2,461,386, Feb. 8.
- Mathes, Kenneth N., Schenectady, N. Y., assignor to General Electric Company. Pasting mica. 2,460,140, Jan. 25.
- Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact protection network. 2,470,825, May 24.
- Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling circuit. 2,483,732, Oct. 4.
- Mathes, Roger A.: *See*—Jansen, Jacob E., and Mathes.
- Mathes, Roger A., and F. D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of 2-mercaptopyrimidines. 2,491,509, Dec. 20.
- Matheson, Eric R.: *See*—Dommissie, Jan, and Matheson.
- Matheson, Lorne A.: *See*—Boyer, Raymond F., Matheson, and Reinhardt.
- Matheson, Lorne A., and R. F. Boyer, assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride compositions stable to light. 2,462,412, Feb. 22.
- Matheson, Max S.: *See*—Hart, Edwin J., and Matheson.
- Mathews, Charles B., Ikley, and J. G. Ambrose, Fossebridge, England. Inflatable core for use in casting hollow concrete units. 2,485,898, Oct. 25.
- Mathews, Harry A., Garvey, assignor to Byron Jackson Co., Vernon, Calif. Tension measuring device. 2,466,034, Apr. 5.
- Mathews, Howard H., Sr., Wood Ridge, N. J. Lubrication indicator. 2,468,219, Apr. 26.
- Mathews, Verner P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid filter. 2,488,921, Nov. 22.
- Mathewson, Albert, Mount Vernon, N. Y. Mailable display holder. 2,464,879, Mar. 22.
- Mathewson, Albert, Mount Vernon, N. Y. Mailable display holder. 2,472,166, June 7.
- Mathewson, Maxwell I., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding machine. 2,472,222, June 7.
- Mathey, Donald N., Platte, S. Dak. Holder attachment for wagons. 2,473,763, June 21.
- Mathias, John, Huntington Park, Calif. Combined back rest and fish pole holder. 2,463,042, Mar. 1.
- Mathie, Harold O., Monterey Park, Calif. Safety razor with double reciprocating blades. 2,485,056, Oct. 18.
- Mathieson Chemical Corporation, assignee: *See*—Aston, Royden N.
- Dubeau, Archie L.
- Fuller, Robert R., and Woodside.
- Haller, John F.
- Hutchinson, Willis S.
- Michalek, John C.
- Petroe, Gregory A.
- Prosk, William.
- Schaeffer, Benjamin B.
- Sprague, Owen F.
- Vincent, George P., and Dubeau.
- Weiler, Joseph F.
- Woodward, Eric R.
- Woodward, Eric R., and Malmstrom.
- Mathiesen, Erling, assignor to Hermetikkindustriens Laboratorium, Stavanger, Norway. Treating sea animal products. 2,461,651, Feb. 15.
- Mathieson, Roderick R., Grosse Pointe Park, Mich. Telephone handset supporting fixture. 2,473,106, June 14.
- Mathieu, Pierre J., deceased, late of Rambouillet, France, by S. B. Mathieu, born Lizambard, widow, Rambouillet, France, S. B. Mathieu, heir at law of the estate of said P. J. Mathieu, deceased. Belt for belt conveyers. 2,488,872, Nov. 22.
- Mathieu, Suzanne B., born Lizambard, assignee: *See*—Mathieu, Pierre J.
- Mathis, William R., Tampa, Fla. Cornice mold. 2,464,705, Mar. 15.
- Mathis, William R., Tampa, Fla. Constructing girders and ceilings. 2,484,520, Oct. 11.
- Mathison, Volney G., Los Angeles, Calif. Motion-picture projection arc monitor. 2,487,024, Nov. 1.
- Mathot, Jacques: *See*—Coutant, André, and Mathot.
- Coutant, André C., and Mathot.
- Mathy, Eugene V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of hydrocarbons. 2,471,228, May 24.

- Mathy, Eugene V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preventing coke formation in pre-heater tubes. 2,472,669, June 7.
- Mathy, Eugene V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic oil cracking. 2,480,494, Aug. 30.
- Mathy, Eugene V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,490,975, Dec. 13.
- Matlock, Jesse D., Jr.: *See—*
Garner, Clidith E., Matlock, Jr., and Kramp.
- Matner, Vincent E.: *See—*
Newell, Floyd B., and Matner.
- Matousek, John A., Parma, Ohio. Pipe coupling. 2,463,707, Mar. 8.
- Matson, Amel E., and H. V. Trask, Nashwauk, assignor to Buel Metals Company, St. Paul, Minn. Electrodeposition of iron. 2,480,156, Aug. 30.
- Matson, Charles H., New York, N. Y. Adjustable fishing reel seat. 2,479,952, Aug. 23.
- Matson, Leroy A., Forest Lake, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermocouple safety pilot switch. 2,458,014, Jan. 4.
- Matson, Leslie E., Jr., Collingswood, and R. N. Lesnick, Camden, N. J., assignors to Radio Corporation of America. Frequency sensitive circuit. 2,472,167, June 7.
- Matson, Nathan R., and L. A. Milewski, assignors of thirty-three and one-third per cent to A. E. Hedrick, Glendale, Calif. Liquid level gauge. 2,470,510, May 17.
- Matson, William N., and S. Jacobs, Fitchburg, Mass., assignors to General Electric Company. Combination balanced shutoff and throttling valve assembly. 2,471,160, May 24.
- Matson, William U.: *See—*
Darr, John E., Jr., and Matson.
- Mattausch, William T., Rosalia, Wash. Garment hanger. 2,481,432, Sept. 6.
- Mattedi, Minnie, Denver, Colo. Bedstead. 2,462,524, Feb. 22.
- Matter, Albert J., Park Ridge, assignor to Crane Packing Company, Chicago, Ill. Shaft seal with internal drive. 2,472,257, June 7.
- Matter, Max: *See—*
Graenacher, Charles, and Matter.
- Matter, Roger E.: *See—*
Osterberg, Harold, and Matter.
- Matthews, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire hanger. 2,459,386, Jan. 18.
- Matthews, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley section insulator. 2,488,307, Nov. 15.
- Matthews, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley section insulator. 2,488,308, Nov. 15.
- Matthews, Claude L., St. Louis, Mo., and J. L. Turner, East St. Louis, Ill., assignors to Matthews Specialty Corporation, St. Louis, Mo. Apparatus for drying hair. 2,479,387, Aug. 16.
- Matthews, Claude L., St. Louis, Mo., and J. L. Turner, East St. Louis, Ill., assignors to Matthews Specialty Corporation, St. Louis, Mo. Apparatus for drying hair. 2,479,388, Aug. 16.
- Matthews, Frederic L.: *See—*
Seymour, Raymond B., and Matthews.
- Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Reclosing circuit breaker. 2,487,025, Nov. 1.
- Matthews, Harold H.: *See—*
Pavitt, Frederick J., and Matthews.
- Matthews, Harold H., Brighton, England. Electrical resistance. 2,491,193, Dec. 13.
- Matthews, Howard F.: *See—*
Stoner, Seth H., and Matthews.
- Matthews, Louis J.: *See—*
Felin, Anton, and Matthews.
- Matthews, Robert J., Hasbrouck Heights, N. J. Paper cutter. 2,482,118, Sept. 20.
- Matthews, Rufus J., Nashville, Tenn. Combined water gauge and air volume control. 2,479,247, Aug. 16.
- Matthews Specialty Corporation, assignee: *See—*
Matthews, Claude L., and Turner.
- Matthews, Stanley A., Sea Island, British Columbia, Canada. Baby seat. 2,491,676, Dec. 20.
- Matthews, W. N., Corporation, assignee: *See—*
Mosley, Carl E.
Mosley, Carl E., and Brown.
Pollock, John A., and Coppinger.
- Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Separable connector. 2,460,231, Jan. 25.
- Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Insulated wire terminal. 2,466,607, Apr. 5.
- Matti, Kur G., and L. V. S. Ehrnebo, Eskilstuna, Sweden. Parquet floor. 2,477,071, July 26.
- Mattingly, Lawrence J.: *See—*
Kamin, Vernon A., Mattingly, and Wingert.
- Mattocks, Albert M., Jr., and W. A. Lazier, assignors to Southern Research Institute, Birmingham, Ala. Powdered ointment base of methyl cellulose and sorbitol. 2,484,637, Oct. 11.
- Mattson, George W.: *See—*
Dorsky, Julian, Mattson, and Neher.
- Mattson, Joseph M., Kenosha, Wis. Percussive type wood chisel. 2,475,041, July 5.
- Mattson, Matt, Hibbing, Minn. Folding overhead door. 2,488,496, Nov. 15.
- Matulaitis, Victor E.: *See—*
Iavelli, Teno, and Matulaitis.
- Matuszak, Alfred H.: *See—*
Munday, John C., and Matuszak.
- Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing motor fuel by alkylation. 2,476,750, July 19.
- Matweeff, Paul, Uncasville, Conn. Harness motion for looms. 2,469,200, May 3.
- Matwin, John J., and J. E. Taylor, assignors to Belrug Mill, Inc., Greenville, S. C. Pile rug. 2,466,857, Apr. 12.
- Matzie, Frederick W., Los Angeles, Calif. Impact producing implement. 2,470,406, May 17.
- Matzkin, Boris: *See—*
Malki, Moises, Matzkin, and Goldman.
- Matzner, Simon, New York, N. Y. Composite ornamental strip. 2,471,576, May 31.
- Mauborgne, Joseph O.: *See—*
Friedman, William F., and Mauborgne.
- Mauch, Fred A., San Francisco, and L. F. Johnson, Redwood City, Calif., said Mauch assignor to said Johnson. Automatic starter for fluorescent tubes. 2,488,019, Nov. 15.
- Mauch, Hans A.: *See—*
Henschke, Ulrich K., and Mauch.
- Maudlin, Coy A., Ponca City, Okla. Strip inserting hand tool. 2,486,666, Nov. 1.
- Mauerer, Leopold, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Ballast reactor transformer. 2,486,307, Oct. 25.
- Mauerer, Leopold, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Ballast for gaseous discharge devices. 2,492,389, Dec. 27.
- Maui Pineapple Company, Ltd., assignee: *See—*
Bainbridge, Marvin, Fujii, and Morishige.
- Maul, Peter J., assignor to Macotta Unit Corporation, Detroit, Mich. Wall facing unit. 2,483,346, Sept. 27.
- Maull, Harry W., Maplewood, and J. H. Sauter, Rutherford, N. J., assignors to General Baking Company, New York, N. Y. Dough handling machine. 2,471,112, May 24.
- Maultsby, John D.: *See—*
Cramer, Roy A., Jr., Maultsby, and Terrill.
- Maultsby, Rustic A., Boliva, N. C. Tobacco curing burner. 2,477,191, July 26.
- Maund, Harold, and H. Reiter, assignors to Expeditors Ltd., San Francisco, Calif. Coupling. 2,464,332, Mar. 15.
- Maurer, Carl D., Queens Village, N. Y., and W. J. Swenson, Montclair, N. J., assignors to Paramount Pictures, Inc., New York, N. Y. Synchronization of camera and television receiver tubes. 2,486,717, Nov. 1.
- Maurer, Edwin R., and J. D. Caton, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Fluid coupling with lockup clutch. 2,466,721, Apr. 12.
- Maurer, J. A., Inc., assignee: *See—*
Soreny, Ernest V.
- Maurer, Walter C., McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation. Determining titanium carbide in stainless steel. 2,477,072, July 26.
- Mauric, Gerhard, assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Starter-generator for internal-combustion engines. 2,487,460, Nov. 8.
- Mauric, Gerhard, and R. E. Green, Los Angeles, and N. L. Rosin, Hollywood, assignors to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Starter-generator gearing for internal-combustion engines. 2,466,461, Apr. 5.
- Maurits, Forrest E., West Point, Nebr. Windrow trailer. 2,482,014, Sept. 13.
- Maury, Alfred D., Ilion, and A. T. Lyon, Mohawk, N. Y. Automatic fishing reel. 2,474,541, June 23.
- Maust, Ernest J., and C. A. Hollingsworth, Lakeland, Fla., assignors to Coronet Phosphate Company, New York, N. Y. Defluorination of phosphate rock. 2,478,200, Aug. 9.
- Maust, Ernest J., and C. A. Hollingsworth, Lakeland, Fla., assignors to Coronet Phosphate Company, New York, N. Y. Defluorination of phosphate rock. 2,479,389, Aug. 16.
- Mautner, Leonard P.: *See—*
Johnstone, Charles W., and Mautner.
- Mautner, Steven E., assignor to Skydyne, Inc., Port Jervis, N. Y. Parabolic antenna. 2,471,828, May 31.
- Maves, Emil W., assignor of one-half to A. R. Heagle, Stanley, Wis. Device for removing and replacing railroad ties. 2,466,608, Apr. 5.
- Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Production of branched chain hydrocarbons catalyzed by Friedel-Crafts catalysts modified by boric acid. 2,467,326, Apr. 12.
- Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Recovery of sulfonic acids from spent sulfonating agent. 2,470,896, May 24.

- Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of phenolic compounds catalyzed by Friedel-Crafts metal halides modified by boric acid. 2,480,254, Aug. 30.
- Maw, Harold J.: *See*—
Smith, Ellis, Crabtree, Naylor, and Maw.
- Mawdsley's Limited, assignee: *See*—
Minchin, Cecil W. H.
- Max, Abraham M., Indianapolis, Ind., assignor to Radio Corporation of America. Electrodeposition of copper. 2,475,974, July 12.
- Max, Abraham M., and C. M. Vance, Indianapolis, Ind., assignors to Radio Corporation of America. Copper plating solution. 2,482,354, Sept. 20.
- Max, Fritz, Easton, Pa., and D. I. Randall, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone acridone carbazoles in which the acridone nucleus is linked to the carbazole nucleus through an amide linkage. 2,467,561, Apr. 19.
- Maxant, William T., Ayer, Mass. Stop motion means for sewing machines. 2,487,718, Nov. 8.
- Maxfield, Herbert L., Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Motor fuel. 2,473,439, June 14.
- Maxfield, Richard F., Mountain Lakes, assignor to Boonton Molding Company, Boonton, N. J. Finishing machine for molded pieces. 2,479,689, Aug. 23.
- Maxim Silencer Company, The, assignee: *See*—
Tyskewicz, John P.
- Maxon, Bruce E., Cincinnati, Ohio. Flatwork ironer. 2,488,020, Nov. 15.
- Maxon, Glenway, Jr., Milwaukee, Wis. Dump truck. 2,465,899, Mar. 29.
- Maxon, Glenway, Jr., Milwaukee, Wis. Dump truck. 2,490,532, Dec. 6.
- Maxson, W. L., Corporation, The, assignee: *See*—
McLaren, Peter J., Vaughan, and Svensson.
- Maxson, William L., West Orange, N. J., assignor, by mesne assignments, to Foremost Dairies, Inc. Electric oven. 2,490,076, Dec. 6.
- Maxwell, Albert A. F., assignee, trustee: *See*—
Ramage, Alexander S.
- Maxwell, Carl A., and J. P. Craven, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Stress relieving method. 2,464,248, Mar. 15.
- Maxwell, Edward C., U. S. Navy. Power transmission. 2,459,829, Jan. 25.
- May, John, Detroit, Mich. Adjustable lamp bracket. 2,466,722, Apr. 12.
- Maxwell, John L., Redwood City, Calif., assignor to American Telephone and Telegraph Company. Selective telephone station calling system. 2,477,309, July 26.
- Maxwell, Robert W., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Combined fastener and stretcher for carpeting and the like. 2,487,571, Nov. 8.
- Maxwell, William T.: *See*—
Lindsey, Frank A., Jr., and Maxwell.
- May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Absorbing carbon dioxide from gases. 2,477,636, Aug. 2.
- May, Harold E.: *See*—
Hawkinson, Alfred T., Gralow, and May.
- May, Harold F., Detroit, Mich. Bicycle generator. 2,488,021, Nov. 15.
- May, Harold F., Valley Stream, assignor to The Tele-register Corporation, New York, N. Y. System for automatic transmission of messages between flight progress boards and aircraft. 2,475,848, July 12.
- May Hosiery Mills, assignee: *See*—
Schwartz, Shepard.
- May, Norman L., Miami Springs, Fla. Power edger. 2,489,383, Nov. 29.
- May, Patrick J., San Francisco, Calif. Baffle type muffler with retroverted flow. 2,484,521, Oct. 11.
- May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic shaft controlling apparatus. 2,466,776, Apr. 12.
- May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Selective control apparatus for radio systems and the like. 2,470,567, May 17.
- May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Semiautomatic tuner device for radio apparatus and the like. 2,472,979, June 14.
- May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Selective control device for radio apparatus and the like. 2,484,638, Oct. 11.
- May, Richard W., and H. M. Schweighofer, assignors to Collins Radio Company, Cedar Rapids, Iowa. Shaft positioning control system. 2,476,673, July 19.
- May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,486,188, Oct. 25.
- May, Sam, Dallas, Tex. Coin changer. 2,483,708, Oct. 4.
- May, Walter M., Plainfield, N. J., and L. E. Burgess, Allentown, Pa., assignors to Mack Manufacturing Corporation, New York, N. Y. Two-speed governor. 2,474,316, June 28.
- May, Woodward J., assignor to May's Auto Parts, Incorporated, Pittsfield, Mass. Heavy-duty container opener. 2,486,858, Nov. 1.
- Maycock, Russel L., Oakland, assignor to Shell Development Company, San Francisco, Calif. Rotary contactor for fluids. 2,474,006, June 21.
- Maycock, Russel L., Oakland, assignor to Shell Development Company, San Francisco, Calif. Method of and apparatus for contacting fluids. 2,474,007, June 21.
- Mayer, Augustine, Jackson Heights, N. Y. Water craft with horizontal buoyant propeller drive. 2,488,310, Nov. 15.
- Mayer, Elinor H.: *See*—
Hayden, David H.
- Mayer, Hans: *See*—
Widmer, Willy, and Mayer.
- Mayer, Hans, Basel, and W. Widmer, Bottmingen, assignors to Ciba Limited, Basel, Switzerland. Disazo dye from dihydroxy benzidine and process therefor. 2,476,259, July 12.
- Mayer, Hans, Basel, and W. Widmer, Bottmingen, assignors to Ciba Limited, Basel, Switzerland. Manufacture of disazo-dyestuffs. 2,476,260, July 12.
- Mayer, Hans, Basel, and W. Widmer, Bottmingen, assignors to Ciba Limited, Basel, Switzerland. Manufacture of asymmetrical polyazo-dyestuffs. 2,476,261, July 12.
- Mayer, Henry, Athens, Ga. Hosiery. 2,484,522, Oct. 11.
- Mayer, Joseph E.: *See*—
Pfau, Leo D., Tufford, and Mayer.
- Mayer, Leonard L., New York, N. Y. Form for electric winding coil. 2,472,603, June 7.
- Mayer, Max J., Scarsdale, N. Y. Seed for production of titanium dioxide and making same. 2,480,869, Sept. 6.
- Mayer, Oscar, & Co., Inc., assignee: *See*—
Mayer, Oscar G., Jr.
- Mayer, Oscar G., Jr., Evanston, assignor to Oscar Mayer & Co., Inc., Chicago, Ill. Sausage smoke rack. 2,477,413, July 26.
- Mayer, Samuel, New York, N. Y. Electrical utility brush. 2,460,183, Jan. 25.
- Mayer, Waldemar F., assignor to The Garrett Corporation, Los Angeles, Calif. Air conditioning system. 2,473,496, June 14.
- Mayer, William G., Asbury Park, N. J. Triggered spark gap. 2,472,115, June 7.
- Mayes, Alfred K.: *See*—
Preble, Harry, Jr., and Mayes.
- Mayfield, Henry, Orange, Tex. Lighter. 2,477,385, July 26.
- Mayfield, George C., Richmond Heights, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 2,486,359, Oct. 25.
- Maybaw, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Phthalocyanine polyhydroxyalkylsulfonamides. 2,459,773, Jan. 18.
- Maybaw, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Quick-drying writing ink. 2,476,991, July 26.
- Maybaw, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing a sulfur containing phthalocyanine dyestuff. 2,484,300, Oct. 11.
- Mayland, Bertrand J., and E. E. White, Bartlesville, Okla., assignors to Phillips Petroleum Company. Separation of unsaturated aliphatic hydrocarbons from more saturated aliphatic hydrocarbons. 2,484,305, Oct. 11.
- Mayland, Harrison C., La Grange, and C. G. Gerhold, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Producing selective polymers. 2,486,533, Nov. 1.
- Mayle, Albert T., Jr.: *See*—
Ferguson, Joseph C., and Mayle, Jr.
- Mayle, Louis F., Fort Wayne, Ind., assignor by mesne assignments to Farnsworth Research Corporation. Regulated power supply. 2,467,765, Apr. 19.
- Mayle, Louis F., Fort Wayne, Ind., assignor by mesne assignments, to Farnsworth Research Corporation. Video signal level control. 2,469,606, May 10.
- Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Irregular interlace scanning system. 2,472,774, June 7.
- Maynard, Arthur H., Warwick, R. I., assignor, by mesne assignments, to Bostitch, Inc. Fastener-applying implement. 2,466,551, Apr. 5.
- Maynard, Charles E., assignor to Pro-Phy-Lac-Tic Brush Company, Florence, Mass. Tire manufacture. 2,476,884, July 19.
- Maynard, Charles E., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Toothbrush and making. 2,488,873, Nov. 22.
- Maynard, Ernest W., Brooklyn, N. Y., and L. P. Di Giacomo, Jersey City, N. J., assignors to American Home Products Corporation, New York, N. Y. Bottle chute. 2,461,290, Feb. 8.
- Maynard, Hamilton M.: *See*—
Sourwine, William A., Maynard, and Flax.
- Maynard, James, Hawthorne, assignor to E. R. Parker, Compton, Calif. Thermostatic safety burner control. 2,478,496, Aug. 9.
- Maynard, John E., Detroit, Mich., and P. O. Collins, Elyria, Ohio. Damper. 2,471,980, May 31.
- Mayne, Charles W., Buffalo, N. Y. Vapor discharging frying pan cover. 2,488,215, Nov. 15.

- Mayne, Robert, Akron, and H. L. Hosterman, Jr., Atwater, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Making spar roots for helicopter blades and the like. 2,485,534, Oct. 18.
- Mayne, Robert, Akron, and H. L. Hosterman, Jr., Atwater, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Making airfoils, helicopter blades, leading edges, and the like. 2,490,976, Dec. 13.
- Mayner, Stanley, Cleveland Heights, and F. L. Kapel, Cleveland, assignors to The Euclid Road Machinery Company, Euclid, Ohio. Tractor hitch. 2,488,676, Nov. 22.
- Mayner, Thomas : *See*—
Grogan, Tom, and Mayner.
- Mayner, Thomas S. : *See*—
Kocsuta, Michael, and Mayner.
- Mayner, Thomas S., assignee : *See*—
Shaw, Richard M.
- Mayner, Thomas S., Chagrin Harbor, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Multiple stage thread advancing drier reel. 2,465,386, Mar. 29.
- Maynes, Emma C., assignee : *See*—
Maynes, Hyla F.
- Maynes, Hyla F., assignor of one-half to E. C. Maynes, Miami, Fla. Syringe holder. 2,472,116, June 7.
- Maynor, Tracy L., Beckley, W. Va. Trigger safety for shotguns and the like. 2,458,616, Jan. 11.
- Mayo, Charles W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun attachment. 2,488,089, Nov. 15.
- Mayo, Frank V., assignee : *See*—
Misson, William H.
- Mayo, Ruby G., Los Angeles, Calif. Ironing device. 2,484,899, Oct. 18.
- Mayo, Rutledge R., Baldwin, N. Y. Shoe sole straightening device. 2,467,625, Apr. 19.
- May's Auto Parts, Incorporated, assignee : *See*—
May, Woodward J.
- Mayrath, Martin, Dodge City, Kans. Grain loader. 2,483,290, Sept. 27.
- Mays, Lorne W., Tucson, Ariz. Toolholder. 2,479,756, Aug. 23.
- Maystead, Richard D., North Hollywood, Calif., assignor to Pacific Airmotive Corporation. Apparatus for testing hydraulic and electric propeller governors. 2,468,635, Apr. 26.
- Maytag Company, The, assignee : *See*—
Carrière, Laurier.
Smith, Thomas R.
- Maytum, James A., East Sheen, London, England. Continuous feed kinematographic apparatus. 2,476,503, July 19.
- Maytum, James A., London, England. Continuous feed kinematograph apparatus. 2,476,504, July 19.
- Mazurek, John J., assignee : *See*—
Turgeon, Edmond.
- Mazza, Eric, Bronx, N. Y. Adjustable ventilator. 2,460,760, Feb. 1.
- Mazzella, Joseph S., New York, N. Y. Double stranded blasting mat. 2,474,904, July 5.
- Mazzella, Joseph S., New York, N. Y. Blasting mat. 2,474,905, July 5.
- Mazziotti, John P., Elmsford, N. Y. Putter. 2,463,291, Mar. 1.
- Mazzola, Joseph R., Kearny, assignor to Automatic Manufacturing Corporation, Newark, N. J. Coil and condenser assembly. 2,483,919, Oct. 4.
- Mazzucchelli, Arthur P. : *See*—
Meharg, Virgil S., Mazzucchelli, and Nicholson.
- McAdam, Ralph E., and K. E. Bauer, assignors to Eastman Kodak Company, Rochester, N. Y. Camera finder and focus interlocking mechanism. 2,481,677, Sept. 13.
- McAdams, Don R. : *See*—
Segura, M. A., and McAdams.
- McAdams, Don R., and M. A. Segura, Baton Rouge, La., assignors to Standard Oil Development Company. Regeneration of iron type hydrocarbon synthesis catalyst. 2,487,159, Nov. 8.
- McAdams, Margaret A. : *See*—
Althouse, James M., and McAdams.
- McAdoo, Harold L., Bartlesville, Okla. Dental clamp. 2,491,050, Dec. 13.
- McAfee, Mark C., Wichita, Kans. Warm air space heater with air circulating blower. 2,470,938, May 24.
- McAfee, Samuel H., Jr., Oakdale, Pa. Drill jack. 2,471,374, May 24.
- McAlear, James M., Needham, assignor to Mason-Neilan Regulator Company, Boston, Mass. Digester control. 2,490,533, Dec. 6.
- McAllister, Alexander J., and J. J. Dreznes, assignors to United Specialties Company, Chicago, Ill. Air cleaner. 2,482,679, Sept. 20.
- McAllister, Sumner H., Lafayette, J. Anderson, and W. H. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Gasoline manufacture. 2,460,303, Feb. 1.
- McAloon, Francis R., Waterbury, assignor to The United States Time Corporation, Middlebury, Conn. Wrist watch strap. 2,461,693, Feb. 15.
- McAlvay, John C. : *See*—
Munroe, David J., and McAlvay.
- McAlvay, John C., assignor to Webster Electric Company, Racine, Wis. Balanced hydraulic pump or motor. 2,479,077, Aug. 16.
- McArn, Donald G., and P. E. Cook, Pittsburgh, Pa., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Multiple position switch with movable contact mounted on an insulated shaft. 2,478,296, Aug. 9.
- McArthur, Bruce E., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system. 2,467,901, Apr. 19.
- McArthur, Bruce E., Medina, Ohio, and D. I. Bohn and R. N. Wagner, assignors to Aluminum Company of America, Pittsburgh, Pa. Electrical bus. 2,469,073, May 3.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,460,141, Jan. 25.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. High-frequency electron discharge apparatus. 2,485,400, Oct. 18.
- McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Magnetron. 2,485,401, Oct. 18.
- McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Tubular joint. 2,477,997, Aug. 2.
- McArthur, Warren, Bantam, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Reclining chair. 2,479,175, Aug. 16.
- McCarthy, Frederick I., and C. Schandler, New York, N. Y. Spark plug. 2,460,022, Jan. 25.
- McAveney, Margaret M., Philadelphia, Pa. Curtain hanger. 2,465,598, Mar. 29.
- McAvoy, Arthur L., assignee : *See*—
O'Donnell, James J.
- McAvoy, Theodore E., Chicago, Ill. Retrievable anchor means. 2,490,460, Dec. 6.
- McBain, Ian N., assignor to Amalgamated Wireless (Australia) Limited, Sydney, New South Wales, Australia. Supervisory signal system. 2,486,360, Oct. 25.
- McBee Company, The, assignee : *See*—
Connor, Roger.
Welk, Nelson S.
- McBee, David A. : *See*—
Knight, Theodore M., and McBee.
- McBee, Earl T. : *See*—
Ligett, Waldo B., McBee, and Lindgren.
Lindgren, Vincent V., and McBee.
- McBee, Earl T., La Fayette, Ind., and L. D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind. Anellated polycarbocyclic perfluorocompounds. 2,459,780, Jan. 25.
- McBee, Earl T., La Fayette, Ind., and L. D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind. Anellated fluorocarbons. 2,459,781, Jan. 25.
- McBee, Earl T., La Fayette, Ind., and L. D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind. Anellated fluorocarbons. 2,459,782, Jan. 25.
- McBee, Earl T., La Fayette, Ind., and P. A. Wiseman, assignors to Purdue Research Foundation, West Lafayette, Ind. Fluorination of unsaturated cyclic perchlorocompounds. 2,459,783, Jan. 25.
- McBee, Earl T., and O. R. Pierce, assignors to Purdue Research Foundation, La Fayette, Ind. Chlorinolysis. 2,460,705, Feb. 1.
- McBee, Earl T., La Fayette, and L. D. Bechtol, Indianapolis, assignors to Purdue Research Foundation, West Lafayette, Ind. Trifluoromethylhexachlorocyclohexane. 2,462,654, Feb. 22.
- McBee, Earl T., West Lafayette, and O. R. Pierce, Lafayette, assignors to Purdue Research Foundation, West Lafayette, Ind. Fluorinated dialkylbenzenes. 2,465,900, Mar. 29.
- McBee, Earl T., R. O. Bolt, and R. Tebbe, assignors to Purdue Research Foundation, La Fayette, Ind. Hydrocarboxybis trifluoromethyl benzenes. 2,471,829, May 31.
- McBee, Earl T., La Fayette, Ind., R. O. Bolt, Richmond, Calif., and R. Tebbe, Orono, Maine, assignors to Purdue Research Foundation, La Fayette, Ind. Hydrocarboxy(trifluoromethyl)-benzene synthesis. 2,471,830, May 31.
- McBee, Earl T., La Fayette, Ind., V. V. Lindgren, Cos Cob, Conn., and W. B. Ligett, Berkley, Mich., assignors to Purdue Research Foundation, La Fayette, Ind. Bromine trifluoride treatment of halo hydrocarbons. 2,471,831, May 31.
- McBee, Earl T., La Fayette, Ind., and L. W. Devaney, Fishkill, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind. Propane chlorination. 2,473,161, June 14.
- McBee, Earl T., West Lafayette, Ind., and L. W. Devaney, Fishkill, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind. Liquid phase chlorination. 2,473,162, June 14.
- McBee, Earl T., La Fayette, Ind., and R. O. Bolt, Richmond, Calif., assignors to Purdue Research Foundation, La Fayette, Ind. Aryloxyalkenes. 2,477,342, July 26.
- McBee, Earl T., La Fayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, La Fayette, Ind. Fluorination of fused-ring hydrocarbons with lead tetrafluoride. 2,487,820, Nov. 15.

- McBee, Earl T., La Fayette, V. V. Lindgren, West Lafayette, Ind., and W. B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind. Fluorocarbons. 2,488,216, Nov. 15.
- McBee, Earl T., La Fayette, and V. V. Lindgren, West Lafayette, Ind., and W. B. Ligett, Detroit, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind. Bromine trifluoride treatment of aromatic halocarbons. 2,489,969, Nov. 29.
- McBee, Earl T., La Fayette, Ind., V. V. Lindgren, Cos Cob, Conn., and W. B. Ligett, Berkeley, Mich., assignors to Purdue Research Foundation, La Fayette, Ind. Bromine trifluoride treatment of unsaturated organic compounds. 2,489,970, Nov. 29.
- McBee, Lance T., Paris Island, S. C. Cervical splint. 2,474,200, June 21.
- McBeth, Freeman M., Harrisburg, Pa., assignor to Macbeth Engineering Corporation. Folding apparatus. 2,490,697, Dec. 6.
- McBrayer, Vernon D., Florence, Ala. Daily sales book file and instant locator. 2,485,210, Oct. 18.
- McBrayer, Marvin L., Alhambra, Calif. Electronic apparatus for determining moisture content in materials. 2,469,736, May 10.
- McBreen, James, Albany, N. Y. Brush or rubbing device. 2,485,899, Oct. 25.
- McBride, Byron V., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Composition for and method of producing phosphate films on metals. 2,465,247, Mar. 22.
- McBride, Charles B.: *See*—
Burdock, Joseph L., Best, and McBride.
Watson, John E., and McBride.
- McBride, Charles L., Tampa, Fla. Trick concentric grooved ball game. 2,468,567, Apr. 26.
- McBride, George A.: *See*—
Green, Walter H., McBride, and Hertzling.
- McBride, Gerald I., Burlingame, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation. Pneumatic dust conveyor. 2,477,414, July 26.
- McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company. Automatic scale remover. 2,466,644, Apr. 5.
- McBride, John W., Burbank, Calif. Stringed musical instrument. 2,479,757, Aug. 23.
- McBride, John W., Burbank, Calif. Collector. 2,482,355, Sept. 20.
- McBride, John W., assignor to Bantar, Incorporated, Burbank, Calif. Musical instrument with tensioned strings. 2,489,657, Nov. 29.
- McBride, Robert H., Gary, Ind., assignor to The United States of America as represented by the United States Atomic Energy Commission. Purification of hydrogen fluoride. 2,468,681, Apr. 26.
- McBride, Robert J.: *See*—
Wellwood, Elizabeth, McBride, and Wellwood.
- McBroom, John K., Waukesha, Wis. Tilting means for electric furnaces. 2,481,433, Sept. 6.
- McBryde, Milo T., Arkadelphia, Ark. Inside sidehead chip breaker. 2,460,465, Feb. 1.
- McBurney, Dorman, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Semistiff collar. 2,467,438, Apr. 19.
- McCabe, Charles G.: *See*—
Sims, Clarence E., Case, and McCabe.
- McCabe, Ira E., Chicago, Ill. Pressure operated switch. 2,468,924, May 3.
- McCabe, Ira E., Chicago, Ill. Mercury switch contact structure. 2,492,875, Dec. 27.
- McCaffrey, Evelyn, Jamaica, N. Y. Head apparel. 2,468,937, May 3.
- McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone calling dial. 2,469,974, May 10.
- McCaleb, Albert G., assignee: *See*—
Minor, Charles G.
- McCall, Daniel B., San Antonio, Tex. Telescope reticle. 2,464,521, Mar. 15.
- McCall, Robert J., assignor to The Five Manufacturing Company, Columbus, Ohio. Wagon unloader and motor drive unit therefor. 2,488,217, Nov. 15.
- McCalla, Frederick J., Harrisville, Mich. Manual pipe bending vise. 2,492,491, Dec. 27.
- McCallion, Hugh E., Roseville, Mich. Machine element. 2,463,292, Mar. 1.
- McCallion, Hugh E., Roseville, Mich. Moving cylinder type internal-combustion engine. 2,477,885, Aug. 2.
- McCallum, Robert A., Michigan City, Ind., assignor to Joy Manufacturing Company. Variable feed for drilling apparatus. 2,477,701, Aug. 2.
- McCandless, Chester N.: *See*—
McClintock, William M., and C. N. and D. E. McCandless.
- McCandless, Dean E.: *See*—
McClintock, William M., and C. N. and D. E. McCandless.
- McCandless, Edward L.: *See*—
Barnes, Malcolm H., and McCandless.
- McCandless, Edward L., and D. M. Yenni, Kenmore, N. Y., assignors to The Linde Air Products Company. Stretching corundum crystal. 2,485,978, Oct. 25.
- McCandless, Edward L., and D. M. Yenni, Kenmore, N. Y., assignors to The Linde Air Products Company. Bending single crystals of corundum and spinel. 2,485,979, Oct. 25.
- McCandless, Edward L., G. W. Patch, Jr., and P. M. Ahlstrand, Kenmore, N. Y., assignors to The Linde Air Products Company. Method of and apparatus for cooling and dispensing objects. 2,487,821, Nov. 15.
- McCandless, Stanley, Hamden, Conn., assignor to Century Lighting, Inc., New York, N. Y. Electric light fixture. 2,465,248, Mar. 22.
- McCann, Clyde D., Des Moines, Iowa. Fluorescent lamp socket. 2,488,677, Nov. 22.
- McCann, DeWitt: *See*—
Berlin, Irving, Graham, and McCann.
- McCann, De Witt, Los Angeles, Calif. Yielding vehicle step. 2,487,660, Nov. 8.
- McCann, Harold G., Flushing, N. Y., assignor to Allied Chemical & Dye Corporation. Stabilization of sulfur trioxide. 2,458,718, Jan. 11.
- McCann, Harold G., Deer Park, N. Y., and R. V. Townsend, Arlington, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Inhibiting polymerization of sulfur trioxide in liquid state or oleum. 2,492,706, Dec. 27.
- McCants, James F., Pawhuska, assignor to Skelly Oil Company, Tulsa, Okla. Refining of crude methanol by azeotropic distillation. 2,476,205, July 12.
- McCants, James F., Pawhuska, assignor to Skelly Oil Company, Tulsa, Okla. Purification of methanol by azeotropic distillation. 2,476,206, July 12.
- McCardell, Edmund A., assignor to Winpower Manufacturing Company, Newton, Iowa. Guard and fence depressor for posthole diggers. 2,474,981, July 5.
- McCarter, William S. W., Ardmore, assignor to Attapulugus Clay Company, Philadelphia, Pa. Improving the adsorbent and decolorizing properties of Georgia-Florida fuller's earth. 2,477,386, July 26.
- McCarter, William S. W., Ardmore, assignor to Attapulugus Clay Company, Philadelphia, Pa. Producing adsorbent cleaning composition. 2,491,051, Dec. 13.
- McCarter, William S. W., Bala-Cynwyd, assignor to Attapulugus Clay Company, Philadelphia, Pa. Dehumidification of fluids. 2,467,215, Apr. 12.
- McCarter, William S. W., Bala-Cynwyd, assignor to Attapulugus Clay Company, Philadelphia, Pa. Drying alcohols. 2,472,912, June 14.
- McCarter, William S. W., Bala-Cynwyd, assignor to Attapulugus Clay Company, Philadelphia, Pa. Producing an adsorbent cleaning material. 2,480,753, Aug. 30.
- McCarthy, Frederick I., and C. Schandler, New York, N. Y. Spark plug. 2,471,070, May 24.
- McCarthy, Henry J., Denvers, assignor to Sylvania Electric Products, Inc., Salem, Mass. Ultra high frequency oscillator. 2,492,647, Dec. 27.
- McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Rust preventive compositions. 2,471,638, May 31.
- McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Chromium-containing phenolic amine reaction product. 2,480,754, Aug. 30.
- McCarthy, Russell J.: *See*—
Rivard, Lawrence B., and McCarthy.
- McCarthy, Thomas O., U. S. Navy. Motion repeating system. 2,459,830, Jan. 25.
- McCarthy, Thomas O., United States Navy. Radio direction finder. 2,460,798, Feb. 8.
- McCarthy, Thomas O., U. S. Navy. Compass correction system. 2,475,627, July 12.
- McCarthy, Thomas O., U. S. Navy, and A. P. Davis, New York, N. Y. Apparatus for direction finding. 2,475,975, July 12.
- McCartney, Elmer B., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Lawn mower. 2,475,671, July 12.
- McCarty, Charles W., Portland, Oreg. Tool rack. 2,466,552, Apr. 5.
- McCarty, Everett B.: *See*—
Frank, John R., Plagenberg, and McCarty.
- McCarty, Orin P.: *See*—
Palme, Arthur, and McCarty.
- McCaskell, William, Los Angeles, Calif. Filter. 2,459,082, Jan. 11.
- McCasky Register Company, The, assignee: *See*—
Weaver, Galen K.
- McCaskill, Oscar E., Los Angeles, Calif. Stock sheet for postage stamps. 2,477,886, Aug. 2.
- McCasin, James F., Cleveland, Ohio. Projectile fuse. 2,479,582, Aug. 23.
- McCasin, James F., Cleveland, Ohio, and J. Fink, Delavan, Wis.; said Fink assignor to The George W. Borg Corporation, Chicago, Ill. Delayed arming device for projectiles. 2,479,851, Aug. 23.
- McCasin, John W., Moose Jaw, Saskatchewan, Canada, assignor to International Milling Company, Minneapolis, Minn. Machine for filling receptacles with measured quantities of material. 2,467,766, Apr. 19.
- McCathran, William R., Jr.: *See*—
Sturtevant, Charles L., and McCathran.
- McCathron, Claude B., assignor to Grafix, Inc., Rochester, N. Y. View finder for photographic cameras. 2,461,499, Feb. 8.

- McCatty, Sidney A.: *See*—
Pidgeon, Lloyd M., and McCatty.
- McCaughley, Michael J., Brooklyn, N. Y. Tooth cleaning device. 2,474,684, June 28.
- McCauley, Claudius R., New Orleans, La. Liquid level translating means. 2,474,154, June 21.
- McCauley, Roy B., Chicago Heights, Ill. Hard alloys. 2,462,056, Feb. 22.
- McCauley, Halpin E., Cliff, N. Mex. Combination bulldozer and ripper. 2,475,710, July 12.
- McCauley, Herbert J., Jr., Buffalo, N. Y. Handle bar support. 2,487,661, Nov. 8.
- McCauley, Myron D., Huntington Woods, assignor to Rinsed-Mason Company, Detroit, Mich. Apparatus for mixing paint. 2,476,674, July 19.
- McCellan, Marcus E.: *See*—
West, James R., Hill, and McClellan.
- McClain, Ed, deceased, Langley, Okla., by J. M. McClain, administratrix, Tulsa, and B. M. Kay, Disney, Okla. Artificial respirator. 2,484,306, Oct. 11.
- McClain, Joseph W., assignor to Essex Wire Corporation, Logansport, Ind. Solenoid and armature formed of strip material. 2,467,489, Apr. 19.
- McClain, Joyce M., administratrix: *See*—
McClain, Ed, and Kay.
- McClatchey, Mayme R., and E. M. Goodale, Helena, Mont. Modeling clay. 2,482,986, Sept. 27.
- McClatchy Broadcasting Company, assignee: *See*—
Webster, Norman D.
- McClay, Martin E., Sr., Roseburg, Oreg. Lawn trimmer. 2,491,993, Dec. 20.
- McClay, Royal C., Burbank, Calif., assignor, by mesne assignments, to Warner Bros. Pictures, Inc., New York, N. Y. Intermittent camera mechanism. 2,463,043, Mar. 1.
- McCleery, Harold L., and C. B. Stair, Downers Grove, Ill.; said McCleery assignor to said Stair. Traffic analyzer. 2,472,258, June 7.
- McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-efficiency multivibrator circuits. 2,465,249, Mar. 22.
- McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sliding joint for transmission lines. 2,470,631, May 17.
- McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mixer for microwave receivers. 2,476,885, July 19.
- McClellan, John H., Belfry, Mont. Rigging ring. 2,464,881, Mar. 22.
- McClellan, Lee W.: *See*—
Mooch, Johan G., and McClellan.
- McClellan, Marcus E., Ottumwa, Iowa, assignor, by mesne assignments, to Deere Manufacturing Co. Platform adjusting means. 2,476,751, July 19.
- McClellan, William R., Roselle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making polyamide filaments. 2,484,523, Oct. 11.
- McClelland, Donald C.: *See*—
Riley, Melvin A., and McClelland.
- McClenahan, Wright J.: *See*—
Roeder, Dale, and McClenahan.
- McClendon, Jesse W., Tampa, Fla. Right-angle under-cutter. 2,487,935, Nov. 15.
- McClennen, William L.: *See*—
Craig, Verley C., and McClennen.
- McClenny, Robert J., Suffolk, Va. Posthole drill. 2,490,698, Dec. 6.
- McCleskey, Henry F., Marietta, Ga. Drag rake. 2,475,908, July 12.
- McClew, John W., and O. A. Pearce, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone connection between exchanges of the decimal step-by-step type and the nondecimal reverse impulse control type. 2,467,490, Apr. 19.
- McClintock, Edward H., West Springfield, Mass. Window frame and sash. 2,473,657, June 21.
- McClintock, William L., Jr.: *See*—
Smith, Herschel G., Cantrell, and McClintock.
- McClintock, William M., New Kensington, Pa., and C. N. and D. E. McCandless, Youngstown, Ohio. Folding infant's crib. 2,459,445, Jan. 18.
- McClory, Donald F., San Francisco, Calif. Mechanical candle feeder. 2,480,333, Aug. 30.
- McCloskey, Joseph E., assignor to The American Pulley Company, Philadelphia, Pa. Holding element for hub collars. 2,470,179, May 17.
- McCloskey, Joseph E., assignor to The American Pulley Company, Philadelphia, Pa. Fastening means. 2,475,042, July 5.
- McCloskey, Thomas P., Jr., Anniston, Mo. Mowing machine. 2,476,314, July 19.
- McCloud, Robert A.: *See*—
Daum, John L., McCloud, and Bacon.
- McCloud, Robert A., San Lorenzo, J. L. Daum, and T. P. Bacon, Oakland, Calif. Vulcanizer mold. 2,474,542, June 28.
- McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator provided with a defrosting control for the refrigeration system thereof. 2,459,083, Jan. 11.
- McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defrosting means for refrigeration apparatus. 2,459,173, Jan. 18.
- McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method for charging individual capsules with a compressed gas. 2,469,975, May 10.
- McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defrosting device for refrigeration apparatus. 2,487,662, Nov. 8.
- McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two temperature refrigeration apparatus. 2,492,648, Dec. 27.
- McClung, Sidney J., Winston-Salem, N. C. Producing explosive compositions. 2,483,589, Oct. 4.
- McClure, Dott W. G., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Pneumatic dispatch signaling system. 2,472,857, June 14.
- McClure, Glenn T.: *See*—
Cook, Earle S., McClure, and Rush.
- McClure, Hugh M., Chicago, Ill., assignor to Keuffel & Esser Company, Hoboken, N. J. Ruling pen. 2,464,763, Mar. 15.
- McClure, Ralston H., Detroit, Mich., assignor of forty per cent to G. W. Wright, Milwaukee, Wis. Rotary pump. 2,485,980, Oct. 25.
- McClure, Stanley J., Louisville, Ky. Beverage faucet and adjustable flow restrictor. 2,461,909, Feb. 15.
- McClure, Stanley R., assignor to Dayton Acme Co., Cincinnati, Ohio. One-way wedging clutch. 2,487,026, Nov. 1.
- McColley, Ora R., Columbus, Mont. Lift device. 2,487,160, Nov. 8.
- McColluch, Robert P., Fox Point, and J. L. Ryde, Milwaukee, Wis., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Rotary blower with abrading rotor ends and abradable casing sealing ridges. 2,492,935, Dec. 27.
- McCollum, Henry J. D., deceased, late of Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with Knipp's singing tubes. 2,471,832, May 31.
- McCollum, Henry J. D., deceased, late of Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Combustion heater with fuel retaining trough and igniter pocket. 2,471,833, May 31.
- McCollum, Henry J. D., deceased, late of Chicago, Ill., by Thelma McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Jet propulsion apparatus. 2,474,685, June 28.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with air-cooled muffler. 2,482,987, Sept. 27.
- McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater for heating air. 2,482,988, Sept. 27.
- McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Fluid fuel burning internal-combustion air heater. 2,484,385, Oct. 11.
- McCollum, Henry J. D., deceased, late of Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Jet propulsion means for helicopters. 2,485,502, Oct. 18.
- McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with pilot burner. 2,489,716, Nov. 29.
- McCollum, Henry J. D., deceased, late of Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Aircraft heater with plenum chamber acoustical damping means. 2,488,218, Nov. 15.
- McCollum, Henry J. D., deceased, by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Igniter. 2,492,755, Dec. 27.
- McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel vaporizing and combustion apparatus. 2,492,756, Dec. 27.
- McCollum, Thelma: *See*—
McCollum, Henry J. D.
- McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.
- McComb, Richard J., Chicago, Ill. Rail anchor. 2,491,052, Dec. 13.
- McCombie, Hamilton, and B. C. Saunders, University of Cambridge, N. B. Chapman, Southampton, and R. Heap, Chesham, England. Production of fluorophosphonic acid compounds. 2,489,917, Nov. 29.
- McCombie, Horace R.: *See*—
Thomas, Howeth J., Stager, and McCombie.
- McCombs, Robert J., South Bend, Ind. Fishing pole attachment. 2,464,880, Mar. 22.
- McConaghy, James W., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Pumping mechanism. 2,464,144, Mar. 8.

- McConaghy, James W., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Supporting device for pumps. 2,464,936, Mar. 22.
- McConaughay, Kenneth E., West Lafayette, Ind. Drier. 2,458,617, Jan. 11.
- McConnell, Clifford H., Fort Peck, Mont. Storage battery holder. 2,461,752, Feb. 15.
- McConnell, David H.: *See—*
Aller, Willis F., and McConnell.
- McConnell, Eric D.: *See—*
Samson, Kurt A. R. M., and McMullan.
- McConnell, Howard W., Jackson, Mich. Golf club accessory for swing practice. 2,482,015, Sept. 13.
- McConnell, Max L., Portland, Oreg. Thermostat valve. 2,484,180, Oct. 11.
- McConnell, Taylor, Monte Vista, Colo. Navigation instrument. 2,482,424, Sept. 20.
- McConnell, William M., McKeesport, and F. B. Abramsen, Baldwin Township, Allegheny County, assignors to Mackintosh-Hemphill Company, Pittsburgh, Pa. Strip coiler. 2,483,143, Sept. 27.
- McConnell, William M., McKeesport, and F. B. Abramsen, Baldwin Township, Allegheny County, assignors to Mackintosh-Hemphill Company, Pittsburgh, Pa. Strip coiler. 2,483,144, Sept. 27.
- McCool, Guy R.: *See—*
Cromwell, Herbert F., and McCool.
- McCoppin, Everett R., Dayton, Ohio. Radio-frequency spectroscopy. 2,485,620, Oct. 25.
- McCord Corporation, assignee: *See—*
Anderson, George P.
Gardes, Alfred W.
Urso, Ralph F.
- McCord, Frank G., Atlanta, Ga. Adjustable truss. 2,460,100, Jan. 25.
- McCordie, Herbert E., Groton, S. Dak. Mixing bottled natural gas with vegetative gas. 2,471,161, May 24.
- McCormick, Cecil R., Booneville, Ark. Adjustable drinking fountain. 2,490,699, Dec. 6.
- McCormick, Edward P., Scranton, Pa. Wrecker truck body. 2,486,189, Oct. 25.
- McCormick, Everett, Whittier, Calif. Cultivating roller. 2,485,057, Oct. 18.
- McCormick, George H. and T. L., Rock Island, Ill. Model airplane starting unit. 2,475,750, July 12.
- McCormick, Guy, Jr., Newport News, Va. Window shade bracket. 2,462,525, Feb. 22.
- McCormick, Thomas L.: *See—*
McCormick, George H. and T. L.
- McCormick, William R., Chicago, Ill., assignor to A. Y. Dowell, Washington, D. C. Colonic device. 2,458,719, Jan. 11.
- McCotter, J. D., assignee: *See—*
Ruffin, Theodore L.
- McCowan, Thomas B., Mounds, Ill. Bar soap dispenser. 2,477,998, Aug. 2.
- McCown, William E.: *See—*
Young, John E., and McCown.
- McCown, William E., Haddonfield, N. J., assignor to Radio Corporation of America. Condenser. 2,459,332, Jan. 18.
- McCown, William E., Gloucester, N. J., assignor to Radio Corporation of America. Overload protection system. 2,473,344, June 14.
- McCoy, Charles W., Dayton, Ohio. Ignition tester. 2,482,016, Sept. 13.
- McCoy, Charles W., Dayton, Ohio. Ignition tester. 2,482,017, Sept. 13.
- McCoy, Claudius T., Narberth, assignor to Philco Corporation, Philadelphia, Pa. Apparatus for receiving frequency-modulated waves. 2,462,759, Feb. 22.
- McCoy, Curtiss J., Indianapolis, Ind. Airplane box kite. 2,475,976, July 12.
- McCoy, Damon L., Pomona, Calif. Two-cycle engine, crankcase compression, valve control. 2,489,150, Nov. 22.
- McCoy, Ernest E., Jr., Jackson, Miss. Typewriter sheet end indicator. 2,474,951, July 5.
- McCoy, Ewald H., Chicago, Ill. Plating nickel on aluminum. 2,473,163, June 14.
- McCoy, George E.: *See—*
Battley, Edwin R.
Battley, Edwin R., and McCoy.
- McCoy, Harry E., U. S. Navy. Device to reproduce timing disks. 2,473,536, June 21.
- McCoy, Howard M., Elmira, N. Y. Variable pitch propeller. 2,480,871, Sept. 6.
- McCoy, James P. A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Soldering flux. 2,482,923, Sept. 27.
- McCoy, John J., Los Angeles, Calif. Two-cycle engine. 2,473,164, June 14.
- McCoy, Paul E.: *See—*
Buckley, Walter D., and McCoy.
- McCoy, Paul E., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Stabilized bituminous emulsion. 2,481,322, Sept. 6.
- McCoy, Paul E., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Emulsion product and making. 2,483,836, Oct. 4.
- McCoy, Paul E., San Francisco, and G. S. Smith, Berkeley, assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Bituminous emulsions and the like. 2,481,323, Sept. 6.
- McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Electrical follow-up system. 2,464,249, Mar. 15.
- McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Electric servomotor system. 2,466,035, Apr. 5.
- McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Follow-up motor control circuit. 2,478,203, Aug. 9.
- McCoy, Robert L.: *See—*
Frey, Howard A., and McCoy.
- McCoy, William C., Cleveland, assignor to The General Tire and Rubber Company, Akron, Ohio. Tire and making. 2,480,811, Aug. 30.
- McCracken, Claude F., Riverside, Calif. Thermostatically operated circuit cutout. 2,478,541, Aug. 9.
- McCracken, James D., assignor to Askania Regulator Company, Chicago, Ill. Control for hydraulic couplings. 2,459,734, Jan. 18.
- McCracken, John H.: *See—*
Nygaard, Edwin M., and McCracken.
- McCracken, John H., Cumberland, Md., and G. S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of dinitroparaffins. 2,469,396, May 10.
- McCready, Lawrence F., and A. W. Barton, assignors to Horton Manufacturing Company, Minneapolis, Minn. Variable speed power transmission pulley unit. 2,487,936, Nov. 15.
- McCray, George: *See—*
Brown, Cicero C., McCray, and Scott, Jr.
- McCray, George, and R. H. Smith, Houston, Tex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Paraffin scraper. 2,486,308, Oct. 25.
- McCray Refrigerator Company, assignee: *See—*
Strang, Minor H., and Burger.
- McCrea, James W.: *See—*
Ovens, William G., and McCrea.
- McCready, Charles T., Onley, Va. Vine turner. 2,482,356, Sept. 20.
- McCready, Howard W., assignor to E. H. Thompkins, New York, N. Y. Therapeutic device. 2,465,250, Mar. 22.
- McCready, Howard W., assignor to E. H. Thompkins, New York, N. Y. Therapeutic device. 2,479,013, Aug. 16.
- McCready, Howard W., assignor to E. H. Thompkins, New York, N. Y. Gyration hairbrush. 2,489,582, Nov. 29.
- McCready, James P., New York, N. Y. Parting toolholder for lathes. 2,491,571, Dec. 20.
- McCready, Rolland M.: *See—*
MacLay, William D., and McCready.
- McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse generator. 2,458,283, Jan. 4.
- McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnetic frequency reducer. 2,461,992, Feb. 15.
- McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse sender. 2,463,708, Mar. 8.
- McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse sender. 2,475,553, July 5.
- McCreary, John T., Chicago, Ill. Lipstick holder and applicator. 2,492,492, Dec. 27.
- McCrumm, John D., Inglewood, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Spark plug. 2,470,568, May 17.
- McCubbin, Keator, and C. E. Monical, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Deodorization of oils. 2,461,694, Feb. 15.
- McCue, Walter G.: *See—*
Brier, Ernest J., and McCue.
- McCullar, David F., Townley, Ala. Rural mailbox. 2,484,718, Oct. 11.
- McCulloch, Robert P., Fox Point, Wis., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Grit blasting of rotor housings. 2,491,677, Dec. 20.
- McCulloch, Robert P., Fox Point, and J. L. Ryde, Milwaukee, Wis., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Rotary blower with abrading casing end walls and abradable rotor end plates. 2,491,678, Dec. 20.
- McCullough, Ira J., Pioche, Nev. Method of and apparatus for forming wells. 2,471,695, May 31.
- McCullough, Jack A.: *See—*
Eitel, William W., and McCullough.
- McCullough, Jack D., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Indicating device. 2,471,968, May 31.
- McCullough, Kenneth H.: *See—*
Barnes, Katherine S., and McCullough.
- McCullough, Paul J., assignor, by mesne assignments, to The Toastwell Company, Incorporated, St. Louis, Mo. Automatic toaster. 2,473,719, June 24.
- McCullough, Russell H., assignor to Fox West Coast Theatres Corporation, Los Angeles, Calif. Illuminated table. 2,489,795, Nov. 29.

- McCune, Donald C., and H. Brooks, Cleveland, Ohio. Trailer hitch. 2,472,432, June 7.
- McCune, Glenn S., Richmond Heights, Mo. Multibladed razor. 2,487,886, Nov. 15.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hot journal detecting apparatus. 2,464,985, Mar. 22.
- McCusker, Charles A., Merion, assignor to Safetee Glass Company, Philadelphia, Pa. Laminated mirror. 2,468,568, Apr. 26.
- McCusker, John H., Barrington, R. I., assignor to Rhode Island Lace Works, Inc. Dividing sheet fabric into strips. 2,476,262, July 12.
- McCutcheon, Frank G., Henryetta, Okla., assignor to The Eagle-Picher Company. Recovering cadmium. 2,473,962, June 21.
- McCutcheon, James, & Co., assignee: See—Murtagh, Gilbert, and Platt.
- McCutcheon, Robert J.: See—Cheyney, La Verne E., and McCutcheon.
- McDaniel, Eskel J., and A. R. Summers, St. Louis, Mo. Shoe last. 2,484,351, Oct. 11.
- McDaniel, William R., Englewood, Tenn. Button feeding attachment. 2,487,352, Nov. 8.
- McDermott, Carl, Freehold, N. J. Rotor brake and spinner lever. 2,460,839, Feb. 8.
- McDermott, Carl, Freehold, N. J. Electric light generator for motor scooters and the like. 2,492,810, Dec. 27.
- McDermott, Darwin D., San Jose, Calif. Trailer crane for loading trucks. 2,479,758, Aug. 23.
- McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Removing excess liquid from filamentary material. 2,460,390, Feb. 1.
- McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corp., Wilmington, Del. Winding method and apparatus. 2,481,031, Sept. 6.
- McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Cake-lifting and removing tool. 2,486,489, Nov. 1.
- McDermott, Matthew C., White Salmon, Wash. Mop head frame for interchangeable mop heads. 2,490,224, Dec. 6.
- McDermott, William J.: See—Bruce, William F., and McDermott.
- McDiarmid, Alexander, assignor to Continental Aviation & Engineering Corporation, Muskegon, Mich. Portable external grinder. 2,465,599, Mar. 29.
- McDill, Rex D., Cleveland Heights, assignor to J. B. Shaver, University Heights, Ohio. Detection of impurities. 2,470,511, May 17.
- McDill, Rex De Ore, assignor to Thompson Products, Inc., Cleveland, Ohio. Method and apparatus for magnetically testing valves for sodium content. 2,467,562, Apr. 19.
- McDill, Rex D., assignor to Thompson Products, Inc., Cleveland, Ohio. Magnetic measuring device and method. 2,478,773, Aug. 9.
- McDonald, A. Y., Manufacturing Co., assignee: See—MacNeille, Martin B., and Frank.
- McDonald, Albert W., Elkhart, Ind. Foldable step for trailers. 2,458,618, Jan. 11.
- McDonald, Carl O., Osborn View, Ohio. Work stop. 2,488,822, Nov. 22.
- McDonald, Edward L., Sydney, Nova Scotia, Canada. Thermometer with heat conductor. 2,471,229, May 24.
- McDonald, Eugene F., Jr., Chicago, Ill. Headrest. 2,466,553, Apr. 5.
- McDonald, Eugene F., Jr., Chicago, Ill. Rheostat with switch. 2,472,604, June 7.
- McDonald, George W.: See—Scott, Everette C., and McDonald.
- McDonald, Gordon S., Itasca, Tex. Eyeglass wiping device. 2,458,015, Jan. 4.
- McDonald, Harry W., Kansas City, Mo. Rotary bit operating mechanism. 2,473,537, June 21.
- McDonald, Hugh: See—Carter, Robert J. S., and McDonald.
- McDonald, James, and W. Hooley, said Hooley assignor to G. W. B. Electric Furnaces Limited, Dudley, England. Water heating installation. 2,486,490, Nov. 1.
- McDonald, John C., New York, N. Y. Variable output transformer system. 2,463,546, Mar. 8.
- McDonald, Joseph F., Bronx, N. Y., assignor to Radio Corporation of America. Two-way radio equipment for lifeboat service. 2,459,281, Jan. 18.
- McDonald, Lafayette A., assignor of twenty-two and two-ninths per cent to L. A. Merriwether, twenty-two and two-ninths per cent to J. C. York, and twenty-two and two-ninths per cent to L. A. Merriwether, Los Angeles, Calif. Refrigerator cooled by dry ice and water ice. 2,464,522, Mar. 15.
- McDonald, Mary E., administratrix: See—Travers, John T.
- McDonald, Matilda M., Columbus, Ohio. Body protecting shield. 2,471,071, May 24.
- McDonald, Paul F., Omaha, Nebr., assignor to The Keller Company, Council Bluffs, Iowa. Multiple selector switch. 2,479,014, Aug. 16.
- McDonald, R. L., Company, assignee: See—McDonald, Robert L. F.
- McDonald, Robert L. F., assignor to R. L. McDonald Company, Rochester, N. Y. Golf bag cart. 2,482,018, Sept. 13.
- McDonald, Sterling B., Grayslake, assignor to S. Karpen & Bros., Chicago, Ill. Seat. 2,458,185, Jan. 4.
- McDonald, William E., Salt Lake City, Utah. Machine for applying adhesives to bottom surfaces. 2,490,077, Dec. 6.
- McDonnell, Gordon H., Elmhurst, Ill., assignor to American Can Company, New York, N. Y. Packaged product and producing the same. 2,484,842, Oct. 18.
- McDonie, Lawrence L.: See—Quinn, John, and McDonie.
- McDonnell Aircraft Corporation, assignee: See—Platt, Haviland H. Tauser, Charles H.
- McDonnell, Aloysius S., Chicago, Ill. Device for finely setting compass points. 2,465,108, Mar. 22.
- McDonnell, Joseph M.: See—Mueller, John, and McDonnell.
- McDonnell, Joseph M., Rochester, assignor to Remington Rand Inc., Buffalo, N. Y. Paper feed for accounting machines. 2,476,449, July 19.
- McDonnell & Miller, Inc., assignee: See—Kmieciak, Leopold J.
- McDonnell, Randall L., New Orleans, La. Vaporizer for carburetion systems. 2,479,852, Aug. 23.
- McDonough, Everett G., assignee: See—Winkel, Fred M.
- McDonough, Everett G., and V. M. McGoldrick, Yonkers, assignors to Sales Affiliates, Inc., New York, N. Y. Winding hair. 2,480,588, Aug. 30.
- McDougal, Taine G., Flint, K. Schwartzwalder, Holly, and A. S. Rulka, Flint, assignors to General Motors Corporation, Detroit, Mich. Resistor and spark plug embodying same. 2,459,282, Jan. 18.
- McDowall, Charles J., and O. V. Montieth, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Torsional vibration damper. 2,480,946, Sept. 6.
- McDowall, Robert, assignor to The Visking Corporation, Chicago, Ill. Flame sealing apparatus. 2,459,234, Jan. 18.
- McDowell, Earle B., and P. Juchter, Scotia, N. Y., assignors to General Electric Company. Electronic relay. 2,471,834, May 31.
- McDowell, Edward, Detroit, Mich. Weight lifting and moving mechanism. 2,467,843, Apr. 19.
- McDowell, John L., Jr., Light Street, Pa. Poultry slaughtering device. 2,490,761, Dec. 6.
- McDowell, Williameta B., administratrix: See—Byers, William B.
- McDuffie, James D.: See—Maness, Everette L., and McDuffie.
- McEachran, Paul R., Downey, Calif. Brake shoe construction. 2,480,947, Sept. 6.
- McEachran, Paul R., Downey, Calif. Vehicular mixing plant. 2,487,887, Nov. 15.
- McElhinney, Eric M., Dysart, Iowa. Loading machine. 2,471,639, May 31.
- McElhinney, Eric M., Dysart, and T. A. Podhajsky, Traer, Iowa. Loader machine. 2,472,223, June 7.
- McElrath, Thomas S., Sophia, W. Va. Mounting for field coil supports. 2,469,661, May 10.
- McElroy, Archie E., Philadelphia, Pa. Clamping device. 2,480,755, Aug. 30.
- McElvain, Samuel M., Madison, and G. J. Stork, Milwaukee, Wis. Preparation of acylated amino esters. 2,463,989, Mar. 8.
- McEwen, Norman S., Fort Lauderdale, Fla. Safety control for presses. 2,461,753, Feb. 15.
- McEwen, Robert L.: See—Rudolph, Hans A., and McEwen.
- McEwen, Robert L., Williamsville, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Treatment of ground wound pulp. 2,465,327, Mar. 22.
- McEwen, Robert L., Williamsville, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Bleaching mechanical wood fibers. 2,465,738, Mar. 29.
- McFadden, Charles A., Upper Darby, assignor to Selas Corporation of America, Philadelphia, Pa. Preparing investments for casting. 2,463,193, Mar. 1.
- McFadden, George H.: See—Horney, Amos G., and McFadden.
- McFadden, George H., and Marvin, John T., and McFadden.
- McFadden, George H., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Rubber-like articles and making same. 2,472,054, May 31.
- McFadden, George H., and J. F. Lyman, Columbus, Ohio, and A. G. Horney, Merrifield, Va., assignors to The Ohio State University Research Foundation, Columbus, Ohio. Rubber-like articles and making same. 2,472,055, May 31.
- McFadden, Leo M., Denver, Colo., assignor to R. W. McKee, Jr., Lodi, Calif. Electric insect and rodent trap. 2,471,640, May 31.
- McFall, Thurlow E., Sparta, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring. 2,466,252, Apr. 5.
- McFall, Thurlow E., Sparta, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring. 2,466,253, Apr. 5.
- McFall, William W.: See—Kestner, Fred O., and McFall.

- McFall, William W., River Forest, Ill. Shirt packaging device. 2,458,998, Jan. 11.
- McFall, William W., River Forest, and F. O. Kestner, assignors to Package Masters, Inc., Chicago, Ill. Shirt packaging device. 2,487,761, Nov. 8.
- McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Ammonium nitrate explosive. 2,463,709, Mar. 8.
- McFarland, Forest R.: *See—*
Lucia, Carroll J. and McFarland.
- McFarland, James, Racine, Wis. Hand truck. 2,472,670, June 7.
- McFarland, Joseph L., Royal Oak, and M. P. Van Camp, Detroit, Mich. Probe. 2,459,174, Jan. 18.
- McFarland, Joseph L.: *See—*
Van Camp, Marguerite P., and McFarland.
- McFarland, T. S., assignee: *See—*
Lee, Hoard.
- McFarlane, Gordon E., Ville Emard, Quebec, Canada. Solid axle drive mechanism for vehicles. 2,458,089, Jan. 4.
- McFarlane, Lloyd A., Salem, Oreg. Spring suspension for tandem wheeled vehicles. 2,491,994, Dec. 20.
- McFarlane, Maynard D.: *See—*
Meagher, Ralph E., and McFarlane.
- McFarlane, Samuel B., Summit, N. J., assignor to Celanese Corporation of America. Methylene chloride in the oxidation of aldehydes to acid anhydrides. 2,491,572, Dec. 20.
- McFeaters, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Corporation. Converting tilting mechanism. 2,483,017, Sept. 27.
- McFeaters, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Corporation. Bessemer converter. 2,485,305, Oct. 18.
- McFee, James: *See—*
McNamara, William L., and McFee.
- McFeely Brick Company, assignee: *See—*
Hendren, Robert R.
- McGaffey, Edgar W., assignee: *See—*
Grable, Donovan B.
- McGaha, Malvin E., Riverdale, Md. Feed for young fowl and preparing and using same. 2,486,426, Nov. 1.
- McGahey, Robert E., Alexandria, Va. Coupler lock. 2,482,019, Sept. 13.
- McGall, Philip K., Orange, assignor to S. Mendelsohn, Montclair, N. J. Testing device for camera synchronizers. 2,475,104, July 5.
- McGall, Philip K., Orange, assignor to S. Mendelsohn, Montclair, N. J. Camera shutter and flashlamp synchronizer, including lever operated electric generator. 2,490,225, Dec. 6.
- McGarry, Alfred C., Tujunga, Calif. Thermostatic heat control for waterless cookers. 2,491,749, Dec. 20.
- McGarry, John T.; M. F. McGarry, executrix of said J. T. McGarry, deceased, assignor to Railroad Products Company, Cincinnati, Ohio. Water service apparatus. 2,482,283, Sept. 20.
- McGarry, John T., deceased, Cincinnati, Ohio; M. F. McGarry, executrix, assignor to Railroad Products Company, Cincinnati, Ohio. Apparatus for watering railway cars. 2,490,736, Dec. 6.
- McGarry, Mary F., executrix: *See—*
McGarry, John T.
- McGary, Frank E., Narberth, E. Hochreiter, C. F. Schlecht, and F. Shannon, assignors to The Budd Company, Philadelphia, Pa. Method of and means for making dies. 2,459,084, Jan. 11.
- McGavock, Hugh K., Lynchburg, Va. Molder's flask. 2,491,750, Dec. 20.
- McGay, John B.: *See—*
Nicholson, George E., and McGay.
- McGee, Edgar I., Uniontown, Pa., assignor to H. C. Frick Coke Company. Vertical deep well pump. 2,491,751, Dec. 20.
- McGee, George A., Hartford, Conn. Stove rack. 2,469,776, May 10.
- McGee, Kenneth, Dayton, and H. D. Vanderpool, Springfield, Ohio, assignors to The United States of America as represented by the Secretary of War. Connector. 2,460,304, Feb. 1.
- McGehee, Wallace L., Kansas City, Mo. Multiple stage pulverizing and dehydrating tube mill. 2,470,315, May 17.
- McGhee, Curtis E., assignee: *See—*
Bell, Keith L.
- McGill, Daniel F., assignor to D. W. Green, Portland, Oreg., as trustee. Power transmission device. 2,465,739, Mar. 29.
- McGill, Eric F. G., Twickenham, assignor to Electric & Musical Industries Limited, Hayes, England. Electroplating on chromium or chromium-iron alloys. 2,491,126, Dec. 13.
- McGill Manufacturing Company, Inc., assignee: *See—*
Popp, Rudolf.
- McGill, William, McAllen, Tex. Brake for fishing reels. 2,477,073, July 26.
- McGillis, Hugh D.: *See—*
McGillis, John J. and H. D.
- McGillis, John J. and H. D. Brockton, Mass. Liquid control for storage tanks. 2,464,456, Mar. 15.
- McGillivray, Archie, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sequential control for electric motors. 2,482,496, Sept. 20.
- McGinty, Luther W., assignor to Leventhal Patents, Inc., Chattanooga, Tenn. Motion-picture apparatus of the optical compensating type. 2,482,197, Sept. 20.
- McGirr, Joseph W., San Francisco, Calif. Garment hanger. 2,478,297, Aug. 9.
- McGlashen, William A.: *See—*
Hill, Donald C., and McGlashen.
- McGlaughlin, Frederick G., Hastings on Hudson, N. Y. Radiant incandescent gas burner. 2,464,333, Mar. 15.
- McGlenn, Robert C., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Fire extinguishing powder. 2,472,539, June 7.
- McGlynn Hays Industries, Inc., assignee: *See—*
Naylor, Victor W.
- McGoffin, William W., New York, N. Y. Automatic keyer for code transmitters. 2,481,607, Sept. 13.
- McGoffin, William W., assignor of one-fifth to S. S. Baker, New York, N. Y. Electron tube. 2,490,145, Dec. 6.
- McGoldrick, Virginia M.: *See—*
McDonough, Everett G., and McGoldrick.
- McGonigal, Jerome T., Pottersdale, Pa. Twine or cord cutter. 2,463,990, Mar. 8.
- McGovern, John N.: *See—*
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
- McGowan, John F., administrator: *See—*
Buckey, Jefferson P.
- McGowen, Frank, and M. C. Travis, assignors to Continental Motors Corporation, Muskegon, Mich. Combustion chamber construction. 2,472,117, June 7.
- McGrath, Henry G., Elizabeth, H. J. Passino, Englewood, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,470,782, May 24.
- McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control system. 2,470,996, May 24.
- McGraw, Clarence T., Detroit, Mich. Drying equipment. 2,464,706, Mar. 15.
- McGraw Electric Company, assignee: *See—*
Gomersall, John R.
- Osterheld, Clark M.
- Scharf, Frank W.
- Willman, Philip E.
- McGreal, Eledred B.: *See—*
Tondreau, Albert W., and McGreal.
- McGregor, George H., International Falls, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Method of refining sulfate turpentine. 2,459,570, Jan. 18.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Condensing organosilicols. 2,459,387, Jan. 18.
- McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors, by mesne assignments, to Corning Glass Works, Corning, N. Y. Hexadecamethylcyclooctasiloxane. 2,465,547, Mar. 29.
- McGrevy, George F.: *See—*
Brownlee, Allen L., and McGrevy.
- McGrew, Frank C., and W. H. Sharkey, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company. Dyeing nylon with acid dyes of limited solubility. 2,459,831, Jan. 25.
- McGrew, John A., Albany, N. Y. Locomotive valve gear. 2,490,644, Dec. 6.
- McGrew, Vaun B., Chicago, Ill. Shipping container. 2,486,957, Nov. 1.
- McGuckin, Glenn M., Corpus Christi, Tex., assignor, by mesne assignments, to Cocony-Vacuum Oil Company, Incorporated, New York, N. Y. Apparatus for solution of snell's law. 2,463,788, Mar. 8.
- McGuckin, Glenn M., Corpus Christi, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refracted ray calculating device. 2,463,789, Mar. 8.
- McGuigan, Francis H., Midland, Tex. Rotating sprinkler for lawns. 2,489,192, Nov. 22.
- McGuinness, Michael F., assignor of one-half to A. J. Brandt, Scranton, Pa. Antiskid tire chain anchoring device. 2,460,023, Jan. 25.
- McGuire, John H.: *See—*
Lagreid, Magnus, and McGuire.
- Paine, George R., and McGuire.
- McGuire, Lee, Lexington, Ky. Rack for phonograph records. 2,484,719, Oct. 11.
- McGuire, William P.: *See—*
Gibbons, John P., and McGuire.
- McHale, Michael J., Scranton, Pa. Flier construction. 2,483,320, Sept. 27.
- McHale, Michael J., Scranton, Pa. Flier construction. 2,483,321, Sept. 27.
- McHan, Brack B., Quincy, assignor to Calcium Carbonate Company, Chicago, Ill. Stabilized composition. 2,479,583, Aug. 23.
- McHarness, Robert C.: *See—*
Benning, Anthony F., McHarness, and Murray.
- Downing, Frederick B., Benning, and McHarness.

- McHatton, Rex L., South Bend, Ind. Carbonaceous deodorizer and making same. 2,470,180, May 17.
- McHenry, Harland L.: *See—*
Parker, Leland C., McHenry, and Dickey.
- McHenry, Harland L., Sayre, Pa., assignor to Bendix Aviation Corporation. Reciprocating electromagnetic motor. 2,472,334, June 7.
- McHenry, Loren C., Rivermines, Mo. Speed indicating device. 2,462,655, Feb. 22.
- McHugh, James A., Stockton, Calif. Power actuated lawn mower. 2,479,015, Aug. 16.
- McHugh, Joseph P., Reading, assignor to Chipman Knitting Mills, Spring Grove, Easton, Pa. Work guide for sewing machines. 2,467,680, Apr. 19.
- McHugh, William E., assignee: *See—*
Wentling, Norval L.
- McIlroy, Harold G., Burbank, Calif. Quick-action coupling. 2,470,256, May 17.
- McIlvaine, Oran T., St. Charles, Ill. Resonant spark plug. 2,461,168, Feb. 8.
- McIlvaine, Robert L., Glencoe, assignor to H. S. Simpson, Evanston, Ill. Method of and device for testing foundry sand. 2,485,931, Oct. 25.
- McIlvried, Edwin J., Akron, and N. H. Nye, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Drawbench. 2,492,876, Dec. 27.
- Mellwain, Knox, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Position indicator for airborne traffic. 2,483,097, Sept. 27.
- McIntire, Otis R., assignor to The Dow Chemical Company, Midland, Mich. Liquid styrene-butadiene interpolymers. 2,473,538, June 21.
- McIntosh, Frank H., Chevy Chase, Md. Electron discharge device and making the same. 2,463,635, Mar. 8.
- McIntosh, Frank H., Chevy Chase, Md. Wide band amplifier coupling circuits. 2,477,074, July 26.
- McIntosh, George F., Paris, Ky. Electric heater. 2,486,309, Oct. 25.
- McIntosh, Ralph O., and G. E. Sheppard, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron beam tube. 2,491,995, Dec. 20.
- McIntosh, Robert R., Battle Creek, Mich. Smoke box associated draft control apparatus. 2,479,502, Aug. 16.
- McIntosh, Robert R., Battle Creek, Mich. Apparatus for controlling pressure. 2,488,090, Nov. 15.
- McIntosh, Samuel F., Scarsdale, N. Y. Joist. 2,459,037, Jan. 11.
- McIntyre, Ailee H., assignee, trustee: *See—*
Tubbs, Irl I.
- McIntyre, Angus W., Victoria, British Columbia, Canada. Heating device adapted to electric ranges. 2,470,181, May 17.
- McIntyre, Brouwer D., and C. E. Read, assignors to Monroe Auto Equipment Company, Monroe, Mich. Vehicle seat construction. 2,486,048, Oct. 25.
- McIntyre, Frank, assignor to Wilkinson Rubber Linatex Limited, London, England. Lining for ball mills. 2,476,505, July 19.
- McIntyre, Glenn H., Cleveland Heights, and R. E. Skinner, Lakewood, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Electrode. 2,471,531, May 31.
- McIver, Birth A., assignee: *See—*
Boyer, Martin.
- McIvor, Robert J., Piedmont, Calif. Oral speculum. 2,476,675, July 19.
- McKay, Arthur F., assignor to Dominion Tar & Chemical Company Limited, Montreal, Quebec, Canada. Direct synthesis of alkyl substituted styrene polymers. 2,459,109, Jan. 11.
- McKay, Augusta P., assignor to Rome Plow Company, Cedartown, Ga. Connecting and operating mechanism for tractor drawn devices. 2,469,605, May 10.
- McKay, William J. A., and A. J. Koon, Grand Rapids, Mich. Hydraulic chuck. 2,457,909, Jan. 4.
- McKeag, Alfred H., and P. W. Ranby, North Wembley, England, assignors to General Electric Company. Cadmium phosphate phosphors. 2,476,676, July 19.
- McKeag, Alfred H., and P. W. Ranby, North Wembley, England, assignors to General Electric Company. Alkaline earth halophosphate phosphors. 2,488,733, Nov. 22.
- McKean, Boyd A., assignor to Titan Tool Company, Erie, Pa. Stud driver. 2,492,307, Dec. 27.
- McKee, Charles W.: *See—*
Stuhrman, Ahlert P., and McKee.
- McKee, Chester W. and R. W. Chicago, Ill., assignors, by mesne assignments, to Telcdetector, Inc. Manual take-off for portable flaw detector cars. 2,487,572, Nov. 8.
- McKee, Harley L., Robbinsdale, Minn. Lawn edger. 2,467,327, Apr. 12.
- McKee, Harry H., assignor to Swift & Company, Chicago, Ill. Manufacture of dried meat. 2,461,291, Feb. 8.
- McKee, Harvey, Montfort, Wis. Device for catching and handling farm animals. 2,475,192, July 5.
- McKee, Hilton J.: *See—*
Burge, James S., Rider, Salatin, and McKee.
- McKee, Laird C., Minneapolis, Minn. Gas burner. 2,485,058, Oct. 18.
- McKee, Max B., Detroit, Mich. Industrial lift truck. 2,491,824, Dec. 20.
- McKee, Neal T., Bronxville, assignor to The Superheater Company, New York, N. Y. Making heat-exchange unit. 2,460,024, Jan. 25.
- McKee, Ralph H.: *See—*
Kuentzel, Lester E., and McKee.
- McKee, Ralph H., New York, N. Y. Removing shine from fabrics. 2,459,236, Jan. 18.
- McKee, Richard W.: *See—*
McKee, Chester W. and R. W.
- McKee, Roy W., Jr., assignee: *See—*
McFadden, Leo M.
- McKeehan, Eugene H., St. Louis, Mo. Garment sleeve block. 2,469,306, May 3.
- McKeen, Elmer L., Los Angeles, Calif. Guard attachment for dental tools. 2,485,900, Oct. 25.
- McKeever, Charles H., assignor to Rohm & Haas Company, Philadelphia, Pa. Residue carboxylic acid-alkylene diamine resins. 2,471,230, May 24.
- McKeever, Charles H., Glenside, assignor to Rohm & Haas Company, Philadelphia, Pa. Manufacture of cobalt carbonyl. 2,476,263, July 12.
- McKeever, Charles H., Glenside, assignor to Rohm & Haas Company, Philadelphia, Pa. Use of a promotor in the manufacture of cobalt carbonyl. 2,477,553, July 26.
- McKeever, Charles H., Glenside, assignor to Rohm & Haas Company, Philadelphia, Pa. Preparing cobalt carbonyl. 2,477,554, July 26.
- McKellip, Spencer W., Wynnewood, Pa. Electrical musical instrument. 2,481,608, Sept. 13.
- McKelvy, Alfred D., New York, N. Y. Combination bottle and closure cap. 2,476,155, July 12.
- McKelvey, Robert E., Los Angeles, Calif. Speed selection unit. 2,473,963, June 21.
- McKenna, William J., and V. Lessels, Tooele, Utah, and E. C. Peterson, Darwin, Calif., assignors to International Smelting and Refining Company. Froth flotation of oxidized zinc ores. 2,482,859, Sept. 27.
- McKenney, James F.: *See—*
Camilli, Guglielmo, and McKenney.
- McKenney, James F., Pittsfield, Mass., assignor to General Electric Company. Electromechanical tap changing mechanism. 2,480,589, Aug. 30.
- McKennon, Forrest L., and R. V. Lawrence, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Butadiene emulsion polymerization in the presence of levopimaric acid-maleic anhydride addition product. 2,465,901, Mar. 29.
- McKenzie, Dennis I., assignor to The Moraine Box Company, Dayton, Ohio. Shipping container. 2,481,855, Sept. 13.
- McKenzie, Maxwell G., executor: *See—*
Nightingall, Victor C. J.
- McKenzie, Robert, Glendale, Calif. Shoe spike. 2,470,997, May 24.
- McKenzie, Ronald J., and A. B. Scholes, Danvers, and S. E. Lull, assignors to Sylvania Electric Products Inc., Salem, Mass. Apparatus for annealing composite glass articles. 2,482,734, Sept. 20.
- McKenzie, Samuel B., Toronto, Ontario, Canada, assignor to Connector Locks (America), Inc., Detroit, Mich. Lock handle assembly. 2,478,589, Aug. 9.
- McKeon, William D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for removing shoes from lasts. 2,469,471, May 10.
- McKesson & Robbins, Incorporated, assignee: *See—*
Omohundro, Allen L., and Fanto, and Reich.
Omohundro, Allen L., Golden, and Neumeier.
Omohundro, Allen L., Neumeier, and Zeitlin.
- McKim, Burton, East Orange, N. J., and J. L. Merrill, Jr., Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system arranged for voice frequency signaling. 2,484,234, Oct. 11.
- McKinley, Benjamin P., Bradenton, Fla. Electrical outlet terminal. 2,459,832, Jan. 25.
- McKinley, Benjamin P., Manatee County, Fla., assignor to McKinley-Mockenhaupt Co., Chicago, Ill. Electric heating unit. 2,476,613, July 19.
- McKinley, Floyd C., Shaker Heights, Ohio. Combined shipping and display case for bottles. 2,459,333, Jan. 18.
- McKinley, Frank M.: *See—*
Garber, Claude Y., and McKinley.
- McKinley, Orman O., Indianapolis, Ind. Louvered awning. 2,458,619, Jan. 11.
- McKinley, Theodore D., Avondale, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of boron articles. 2,463,404, Mar. 1.
- McKinley, Theresa M., New York, and D. Traum, Purchase, assignors to Dritz-Traum Co., Inc., New York, N. Y. Pressing pad with attached pressing cloth. 2,486,718, Nov. 1.
- McKinney, Charles P.: *See—*
Abel, Logan F.
- McKinney, Horace C., assignor of one-half to Evelyn R. Minter, Rocksprings, Tex. Three-way vegetable slicer. 2,473,165, June 14.
- McKinney, Leonard L., Peoria, Ill., assignor to The United States of America as represented by the Secretary of Agriculture. Process to produce a stabilized protein-formaldehyde dispersion. 2,461,070, Feb. 8.

- McKinney, Raymond U., Nowata, assignor, by mesne assignments, to Seismograph Service Corporation, Tulsa, Okla. Apparatus for seismic prospecting. 2,490,461, Dec. 6.
- McKinney, Rex R., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Freight car. 2,467,681, Apr. 19.
- McKinney, Robert B., Desert Hot Springs, Calif. Ornamental resilient spur. 2,487,461, Nov. 8.
- McKinnis, Art C., assignor to Union Oil Company of California, Los Angeles, Calif. Hydrocarbon separation by azeotropic distillation. 2,461,993, Feb. 15.
- McKinnon, Archibald L., St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Manufacture of snap hooks. 2,459,735, Jan. 18.
- McKinnon, Columbus, Chain Corporation, assignee: See—Parker, Humphrey F.
- McKinsey, Mark H.: See—Kingston, Benson M., and McKinsey.
- McKinzie, Preston V., Portland, Oreg. Detachable gun sling swivel. 2,480,662, Aug. 30.
- McKissick, William H., Tulsa, Okla. Snatch block. 2,474,433, June 28.
- McKnelly, Charles J.: See—McKnelly, Lola F. and C. J.
- McKnelly, Lola F. and C. J., Spokane, Wash. Folding coat hanger. 2,478,590, Aug. 9.
- McKnight, Clarence B., Van Nuys, Calif. Cellular elastic vehicle tire. 2,466,254, Apr. 5.
- McKnight, Joseph H., Pittsburgh, Pa. Combined toy railroad and sound producing means therefor. 2,459,038, Jan. 11.
- McKnight, Robert L., Watertown, assignor to Scovill Manufacturing Company, Waterbury, Conn. Locking device for swivel type lipstick containers having reeded caps. 2,485,105, Oct. 18.
- McKown, Glen D., Cedar Lake, Ind. Fusee lighter. 2,470,358, May 17.
- McKune, Clifford A., San Francisco, Calif. Device for assembling letter sheets and the like. 2,482,357, Sept. 20.
- McKusick, Blaine C.: See—Cairns, Theodore L., Larchar, and McKusick.
- McKusick, Blaine C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiophene compounds. 2,467,439, Apr. 19.
- McKuskie, Stanley A., Bronx, N. Y., assignor to DMG Corporation. Glass brick. 2,485,243, Oct. 18.
- McLain, Joseph H., and A. C. Fairchild, U. S. Army. Smoke bomb projector. 2,459,833, Jan. 25.
- McLain, William R., assignor to Kusan Incorporated, Henderson, Ky. Hollow educational block. 2,492,922, Dec. 27.
- McLamore, John T., Haddonfield, N. J., assignor to Radio Corporation of America. Voltage regulation. 2,465,903, Mar. 29.
- McLamore, John T., Haddonfield, M. J. Minneman, Camden, and T. E. Dunn, Pennsauken, N. J., assignors to Radio Corporation of America. Direct reading radio navigation receiver. 2,487,822, Nov. 15.
- McLaren, Peter J., New York, J. A. Vaughan, Hempstead, and V. A. Svensson, assignors to The W. L. Maxson Corporation, New York, N. Y. Flexible cable. 2,457,910, Jan. 4.
- McLaughlin, John, Royal Oak, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Torch controlling fixture for flame cutting machines. 2,468,938, May 3.
- McLaughlin, Eli H.: See—Jogwick, Walter E., and McLaughlin.
- McLaughlin, James L. A., La Jolla, Calif. Automatic heterodyne eliminator. 2,480,870, Sept. 6.
- McLaughlin, John R., Brimfield, Mass., assignor to Kidde Manufacturing Company, Inc., Bloomfield, N. J. Guide bar motion for warp knitting machines. 2,466,036, Apr. 5.
- McLaughlin, John R., New Brunswick, N. J., assignor, by mesne assignments, to Tampax Incorporated, New York, N. Y. Automatic string sewing machine feed for tampons and the like. 2,476,752, July 19.
- McLaughlin, Kenneth M.: See—Pryslak, Nicholas E., and McLaughlin.
- McLaughlin, Richard A., Canton, Ohio, assignor to Poor & Company, Chicago, Ill. Car loading plate. 2,491,870, Dec. 20.
- McLaughlin, Robert W., Jr., Bedford Village, assignor to American Houses, Inc., New York, N. Y. Building construction comprising semipolygonal units as principal transverse supports thereof. 2,475,433, July 5.
- McLaughlin, Therese B., Bronx, N. Y. Garment. 2,462,414, Feb. 22.
- McLaughlin, Thomas J., Binghamton, N. Y., assignor to Link Aviation, Inc. Signaling means for training devices. 2,465,165, Mar. 22.
- McLaurin-Jones Co., assignee: See—Davis, Lewis, and Tuukkanen.
- McLean, Andrew, West Kilbride, and S. F. Marrian, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Flameproofing combustible cellulosic material and product resulting therefrom. 2,470,042, May 10.
- McLean, Andrew, West Kilbride, and S. F. Marrian, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Flameproofing combustible cellulosic material. 2,472,335, June 7.
- McLean, Earle R., Pittsburgh, Pa., assignor, by mesne assignments, to The Clark Thread Company. Molding composition and making the same. 2,463,044, Mar. 1.
- McLean, Earle R., and D. M. Jenkins, Jr., Pittsburgh, Pa., assignors to The Clark Thread Company, Wilmington, Del. Process and composition for producing a dyeable corrosion resistant surface on zinc and high zinc alloys. 2,477,310, July 26.
- McLean, Colin C., and S. A. Davis, assignors to Hospital Furniture, Inc., Chicago, Ill. Table attachment for beds. 2,483,920, Oct. 4.
- McLean, Daniel C., St. Louis, Mo., J. E. Morrow, East St. Louis, Ill., and J. R. Fox, St. Louis, Mo., assignors to Aluminum Company of America, Pittsburgh, Pa. Double fluoride of sodium and aluminum and production thereof. 2,492,650, Dec. 27.
- McLean, Glen W.: See—Williams, Howard L., and McLean.
- McLean, Paul C., Hollywood, Calif. Hose coupling. 2,470,359, May 17.
- McLean, Robert E., Fort Benning, Ga. Rotary feed wheel type can opener. 2,466,117, Apr. 5.
- McLean, Robert E., Fort Benning, Ga. Rotary drive wheel type can opener. 2,474,982, July 5.
- McLean, Robert E., Fort Benning, Ga. Rotary drive wheel type can opener. 2,481,609, Sept. 13.
- McLean, William B.: See—Schwartz, Daniel M., and McLean.
- McLeary, Edward J., Spokane, Wash. Fish egg selector. 2,476,425, July 19.
- McLellan, E. W., Co., assignee: See—McLellan, Roderick I.
- McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the fluid treatment of thread or the like. 2,460,261, Jan. 25.
- McLellan, Roderick I., Colma, assignor to E. W. McLellan Co., San Francisco, Calif. Flower holder and box. 2,474,543, June 28.
- McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Electric iron. 2,461,560, Feb. 15.
- McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Sadiron assembly. 2,461,561, Feb. 15.
- McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Electric iron assembly. 2,461,562, Feb. 15.
- McLemore, Price C., Montgomery, Ala. Flame cultivator. 2,487,353, Nov. 8.
- McLendon, Alphonso D., Palo Alto, Calif. Curb line indicator for automobiles. 2,462,656, Feb. 22.
- McLendon, Willis B., Pensacola, Fla. Self-loading dump truck. 2,468,220, Apr. 26.
- McLennan, Miles A., Dayton, Ohio. Photoelectric curve following device. 2,489,305, Nov. 29.
- McLeod, Don, Parma, and D. O. Norris, Rocky River, Ohio, assignors to The American Steel and Wire Company of New Jersey. Rolling mill guide. 2,486,310, Oct. 25.
- McLeod, John H.: See—McRae, Daniel B., and McLeod.
- McLeod, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for testing porro prisms using nonparallel light. 2,476,426, July 19.
- McLeod, Norman W.: See—Baskin, Charles M., and McLeod.
- McLeod, Norman, Cleveland, Ohio. Chance controlled game board. 2,470,632, May 17.
- McLeod, Roderick C., Cropston, assignor to Power Jets (Research & Development) Limited, London, England. Ball or equivalent thrust bearing. 2,475,509, July 5.
- McLeod, William J.: See—Maker, Frank L., and McLeod.
- McLerran, Archie R.: See—Bloss, Richard R., and McLerran.
- McLimans, John F.: See—Ausland, Lewellyn L., and McLimans.
- McLoughlin, Arthur J., Elmhurst, N. Y. Snow shovel. 2,470,217, May 17.
- McLoughlin, James E.: See—Quinn, Gerald S., and McLoughlin.
- McMahan, Kenton D.: See—Linville, Thomas M., and McMahan.
- McMahan, Walker D., Long Beach, Calif. Package. 2,478,412, Aug. 9.
- McMahon, Walter J., assignor of one-half to J. Glick, New York, N. Y. Manicuring accessory. 2,461,695, Feb. 15.
- McMahon, William, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fixed capacitor. 2,470,826, May 24.
- McManaway, Edward C., Ashland, assignor of one-half to G. B. Harmon, Wooster, Ohio. Release coupling for well casings. 2,465,027, Mar. 22.
- McManis, Fred, assignor to W-K-M Company, Inc., Houston, Tex. Fluid pressure operated gate valve. 2,478,832, Aug. 9.

- McManis, Lulu F., Kirksville, Mo. Lingerie clasp. 2,475,849, July 12.
- McManus, Hayward H.: *See*—
Russell, Harry L., and McManus.
- McMartin, Florence H., Duluth, Minn. Bib. 2,469,835, May 10.
- McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Two range exposure meter. 2,472,381, June 7.
- McMaster, Raymond C., Tenino, Wash. Fuel oil pipe floor fitting. 2,463,405, Mar. 1.
- McMichael, Leigh W., assignor to Cook Electric Company, Chicago, Ill. Relay coil assembly. 2,486,751, Nov. 1.
- McMichael, Ransom W., Summerfield, N. C. Heater for tobacco barns. 2,465,166, Mar. 22.
- McMillan, Andrew, assignor to Chain Belt Company, Milwaukee, Wis. Remote-control mechanism. 2,480,083, Aug. 23.
- McMillan, Daniel S., Raleigh, N. C. Gun sight. 2,471,761, May 31.
- McMillan, Graham W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Purification of penicillin solutions. 2,477,192, July 26.
- McMillan, Graham W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Electrolytic production of aminoalcohols. 2,485,982, Oct. 25.
- McMillan, James: *See*—
Bemis, Robert E., and McMillan.
- McMillan, Sherman A., San Francisco, Calif. Soldering device. 2,477,887, Aug. 2.
- McMorris, Emil R., assignor to Lee Gebhart, Coral Gables, Fla. Battery corrosion eliminator. 2,477,759, Aug. 2.
- McMorris, Helen C., administratrix: *See*—
Lauritsen, Charles C., and McMorris.
- McMorris, John: *See*—
Lauritsen, Charles C.
- McMullan, Dennis: *See*—
Samson, Kurt A. R. M., and McMullan.
- McMullen, James W., assignee: *See*—
McMullen, Raymond A.
- McMullen, John C., assignor to The Carborundum Company, Niagara Falls, N. Y. Fused cast alumina refractory. 2,474,544, June 28.
- McMullen, Raymond A., Choteau, Mont., assignor of forty-five per cent to J. W. McMullen, Fargo, N. Dak. Massaging device. 2,462,985, Mar. 1.
- McMullin, C. M., assignee: *See*—
James, Frazier N.
- McMurdoo Instrument Company Limited, The, assignee: *See*—
Lakey, Harry.
- McMurray, Arthur A., Nashville, Tenn. Optical method of testing milk for relative uniformity. 2,460,101, Jan. 25.
- McMurray, John C., Winthrop, Mass. Hydraulic brake fluid pumping apparatus. 2,474,748, June 28.
- McMurray, Lynn L., Asheville, N. C., assignor to American Cyanamid Company, New York, N. Y. Starch-caustic in apatite-ilmenite froth flotation. 2,466,995, Apr. 12.
- McMurray, Norton, Manufacturing Company, assignee: *See*—
Norton, Charles E.
- McMurtree, Robert H., Huntingburg, Ind. Drawer guide. 2,460,521, Feb. 1.
- McNab, George A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Glue applicator. 2,480,663, Aug. 30.
- McNab, Ian: *See*—
Hunter, William W., and McNab.
- McNab, John G.: *See*—
Rogers, Dilworth T., and McNab.
- McNab, John G., Cranford, and J. H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,460,025, Jan. 25.
- McNab, John G., Cranford, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Stabilized liquid petroleum hydrocarbon. 2,465,902, Mar. 29.
- McNab, John G., Cranford, and H. W. Rudel, Roselle Park, N. J., assignors to Standard Oil Development Company. Addition agent for gasoline. 2,469,737, May 10.
- McNab, John G., Cranford, G. M. McNulty, and T. Cross, Jr., Union, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,480,664, Aug. 30.
- McNab, John G., Cranford, and C. Winning, Westfield, N. J., assignors to Standard Oil Development Company. Double salts of phenol sulfonic acids. 2,483,501, Oct. 4.
- McNabney, Ralph: *See*—
Burkard, Perle N., and McNabney.
- McNair, Samuel H., Philadelphia, Pa. Pool game table. 2,462,526, Feb. 22.
- McNairy, Jacob W., Bridgeport, Conn., assignor to General Electric Company. Clutch and brake mechanism. 2,462,657, Feb. 22.
- McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Electric motor operated timer control system. 2,479,390, Aug. 16.
- McNairy, Jacob W., Bridgeport, Conn., assignor to General Electric Company. Washing machine. 2,485,621, Oct. 25.
- McNairy, Jacob W., Bridgeport, Conn., assignor to General Electric Company. Fluid operated clutch and brake for washing machines. 2,485,623, Oct. 25.
- McNall, John W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Positive grid oscillator. 2,459,283, Jan. 18.
- McNally, James G.: *See*—
Dickey, Joseph B., and McNally.
- McNally, James G., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Nitroaminobenzene ester compounds. 2,469,695, May 10.
- McNamara, Charles J., Crafton, assignor to N. R. McNamara and C. F. Coate, doing business as Precision Instrument & Manufacturing Company, Pittsburgh, Pa. Toolholder. 2,470,218, May 17.
- McNamara, Francis C., Wentworthville, near Sydney, New South Wales, Australia, assignor to Sunbeam Corporation. Wool press. 2,482,680, Sept. 20.
- McNamara, Francis C., Wentworthville, near Sydney, New South Wales, Australia, assignor to Sunbeam Corporation. Wool press. 2,482,681, Sept. 20.
- McNamara, Francis J., Rosemont, assignor to Sun Oil Company, Philadelphia, Pa. Determining the activity of metallic catalysts. 2,492,651, Dec. 27.
- McNamara, N. R., assignee: *See*—
McNamara, Charles J.
- McNamara, Patrick B., assignee: *See*—
Blanding, Joseph E.
- McNamara, William L., and J. McFee, assignors, to Anchor Hocking Glass Corporation, Lancaster, Ohio. Leer loader. 2,464,334, Mar. 15.
- McNamara, William L., and F. Z. Fouse, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio. Automatic cupping machine. 2,464,335, Mar. 15.
- McNamara, William L., and F. Z. Fouse, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio. Conveyor for changing course of articles from single to plural rows. 2,487,354, Nov. 8.
- McNamara, William L., and F. Z. Fouse, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio. Conveyor. 2,487,355, Nov. 8.
- McNamee, Raymond W.: *See*—
Guest, Howard R., and McNamee.
- McNaught, Robert P., San Francisco, Calif. Window clothesline support. 2,472,488, June 7.
- McNaughton, Don A., Knoxville, Tenn. Transfer device. 2,465,028, Mar. 22.
- McNaughton, Roy A., assignor to Sylvania Electric Products Inc., Emporium, Pa. Linear response vacuum tube voltmeter. 2,470,219, May 17.
- McNeely, Lowell, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration apparatus and method including absorption liquid concentration control. 2,465,904, Mar. 29.
- McNeely, Lowell, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Apparatus for and method of returning purged inert gas to an absorption refrigerating system. 2,473,384, June 14.
- McNeely, William H.: *See*—
Steiner, Arnold B., and McNeely.
- McNeil Machine and Engineering Company, The, assignee: *See*—
Soderquist, Leslie E.
- McNeill, Albert G., assignor to Bachmann Bros., Inc., Philadelphia, Pa. Anniversary cake candleholder. 2,468,505, Apr. 26.
- McNeill, Albert G., assignor to Bachmann Bros., Inc., Philadelphia, Pa. Combination table utensil. 2,473,288, June 14.
- McNeill, Harry L., Denver, Colo. Flotation process and apparatus. 2,466,037, Apr. 5.
- McNeill, Locksley D., Winnipeg, Manitoba, Canada. Collar stiffener. 2,474,058, June 21.
- McNeill, Norman, Evanston, Ill. Tongue cleaning device. 2,491,274, Dec. 13.
- McNiel, James E., Alhambra, Calif. Mechanism for turning on a porch light when a doorbell is rung. 2,481,137, Sept. 6.
- McNulty, George M.: *See*—
Cyphers, Elmer E., and McNulty.
- McNab, John G., McNulty, and Cross.
- McNulty, John V., Binghamton, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,472,671, June 7.
- McPhail, Robert G., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Light refracting and transmitting plate and lighting equipment using the same. 2,474,317, June 28.
- McPhee, Keith M., Batwyn, Victoria, Australia. Shaft coupling. 2,467,902, Apr. 19.
- McPherson, Arthur D., Snyder, R. M. Dalton, Williams-ville, and R. C. Smith, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Wheel fairing lock and release. 2,484,900, Oct. 18.
- McPherson, Clarence C., Tacoma, Wash. Coin dispensing mechanism. 2,491,573, Dec. 20.
- McPherson, Duncan, Los Gatos, Calif. Producing three-dimensional pictures. 2,472,259, June 7.
- McPherson, James F.: *See*—
Kaczka, Edward A., and McPherson, Mazingo and Folkers.
- McPherson, Robert H., Lynwood, Calif. Portable mast. 2,470,998, May 24.

- McQuain, Samuel R., South Charleston, W. Va. Carboy seal. 2,465,811, Mar. 29.
- McQuay-Norris Manufacturing Company, assignee: See—Mayfield, George C. Smith, Dallas M.
- McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic antihalation elements. 2,462,527, Feb. 22.
- McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. m-Acylacetamidobenzaldehyde acetals of alkanols of 1 to 4 carbon atoms and 1,2- and 1,3-alkanediols of 2 to 4 carbon atoms. 2,464,597, Mar. 15.
- McQueen, David M., and C. Weaver, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrophilic polycarbonamide photographic silver salt layers. 2,465,109, Mar. 22.
- McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azomethine dyes from acylacetamidobenzaldehyde acetals. 2,472,913, June 14.
- McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric color formers from hydroxyl polymers containing reactive ketaldone groups with reactive methylene and amino color formers. 2,477,462, July 26.
- McQueen, David M., and D. W. Woodward, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclic aminobenzaldehyde acetals of 1,2- and 1,3-glycols of two to four carbon atoms. 2,481,434, Sept. 6.
- McQueen, Willis L., Dallas, assignor to Crow Machine and Equipment Company, Lubbock, Tex. Hedge clippers. 2,486,958, Nov. 1.
- McQuitty, Roy M., Richmond Heights, Mo. Aim indicator. 2,461,122, Feb. 8.
- McKee, Daniel B., San Diego, Calif., and J. H. McLeod, assignors to Eastman Kodak Company, Rochester, N. Y. Depositing optical interference coatings. 2,472,605, June 7.
- McRae, James W.: See—Feldman, Carl B. H., and McRae.
- McShea, Royal M., Wichita, Kans. Altering the temperature of aggregates. 2,491,194, Dec. 13.
- McSweeney, Edward, assignee: See—Stengren, Jon.
- McSweeney, Ellsworth E., Grandview Heights, Ohio, assignor, by mesne assignments, to Standard Oil Company, Chicago, Ill. Ethylene polymerization process. 2,475,628, July 12.
- McSwiney, Harry D., Nashville, Tenn. Motorcycle. 2,463,406, Mar. 1.
- McTigue, John L., assignee: See—Skinner, M. T.
- McVey, Elmer E., J. L. Tatman, and W. C. Wallis, Steubenville, Ohio. Slag pocket. 2,476,614, July 19.
- McVey, Gerald E., Columbus, Ohio. Releasable screw driver. 2,491,325, Dec. 13.
- McVicker, Ansley A.: See—McVicker, Howard D. and A. A.
- McVicker, Howard D., Forest Hills, and A. A. McVicker, Jeannette, Pa. Machine for producing pads for journal lubrication. 2,485,901, Oct. 25.
- McWhirter, Eric M. S., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Vibrator relay. 2,485,624, Oct. 25.
- McWhirter, Eric M. S., H. M. Muschamp d'Assis-Fonseca, and H. J. Ward, Aldwyck, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric signaling transmitter. 2,489,306, Nov. 29.
- McWhorter, Purnell L., Jr., Odessa, assignor to Havg Corporation, Newark, Del. Making a furfuryl alcohol resin. 2,471,438, May 31.
- McWilliams, John W., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Sheet piler. 2,492,024, Dec. 20.
- Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilization of cathode beam tubes. 2,473,691, June 21.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase shifting apparatus. 2,461,832, Feb. 15.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Quadrature phase shifting circuit. 2,468,302, Apr. 26.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gun sight control. 2,471,278, May 24.
- Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gate distributor circuits. 2,486,491, Nov. 1.
- Mead, Ezra B., assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Inclined drum poultry picker. 2,484,235, Oct. 11.
- Mead, Ezra B., assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Poultry picker with variable length fingers. 2,484,236, Oct. 11.
- Mead, Harry A., Los Angeles, Calif., assignor, by mesne assignments, to Kono Mead Equipment Corporation, Flushing, N. Y. Mechanism for cutting, folding, and sealing the bottoms of bags. 2,476,057, July 12.
- Mead, Lawrence C., Turlock, Calif. Pliers. 2,464,145, Mar. 8.
- Mead, Milton S., Jr., Schenectady, N. Y., assignor to General Electric Company. Antihunt circuit for regulating systems. 2,465,110, Mar. 22.
- Mead, Milton S., Jr., Schenectady, N. Y., assignor to General Electric Company. Frequency regulating system. 2,468,569, Apr. 26.
- Mead Specialties Company, Inc., assignee: See—Mead, Theodore E.
- Mead, Theodore E., Wilmette, Ill., assignor to Mead Specialties Company, Inc. Work holder. 2,461,292.
- Mead, Vincent A., United States Navy. Plane marker buoy. 2,470,783, May 24.
- Mead, Warren J., Belmont, Mass. Making and maintaining an impression of the shape of an object. 2,472,754, June 7.
- Mead, Warren J., Belmont, Mass. Making impressions of objects. 2,488,922, Nov. 22.
- Mead, Warren J., Belmont, Mass. Device for assuming and maintaining curved configurations. 2,488,923, Nov. 22.
- Mead, William H., assignee: See—Bishop, Lewis H., and Finn.
- Meade, Edwin M., assignor to Lankro Chemicals Limited, Manchester, England. Amidation of esters. 2,464,094, Mar. 8.
- Meade, John L., Gary, Ind. Yarn twisting apparatus. 2,463,636, Mar. 8.
- Meade, Reginald E.: See—Hanson, Austin M., Rodgers, and Meade.
- Meade, Reginald E., and J. M. Stringham, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Making whey food products. 2,465,905, Mar. 29.
- Meade, Reginald E., and P. D. Clary, Jr., Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Making novel products from whey. 2,465,906, Mar. 29.
- Meade, Reginald E., and P. D. Clary, Jr., Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Making lacteal food products. 2,465,907, Mar. 29.
- Meade, Reginald E., N. E. Taylor, and J. F. Crews, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Spray device. 2,473,035, June 14.
- Meador, Jim C., Shreveport, La. Piston ring. 2,472,540, June 7.
- Meagher, James E., Glendale, Calif. Transfusion apparatus. 2,461,558, Feb. 15.
- Meagher, James E., Los Angeles, Calif. Parenteral fluid container and dispenser. 2,462,986, Mar. 1.
- Meagher, Ralph E., Watertown, Mass., and M. D. McFarlane, Los Angeles, Calif., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Self-synchronous motor system. 2,482,020, Sept. 13.
- Mealey, Robert V., assignee: See—Wolfe, Paul.
- Meals, Robert N.: See—Gilliam, William F., and Meals.
- Meany, Thomas E., Chicago, Ill. Joint protector. 2,460,895, Feb. 8.
- Mease, Ralph A., East St. Louis, Ill. Saw filing guide. 2,484,417, Oct. 11.
- Mease, Wilbur D., Hayward, Calif. Crayon holder with screw feed type adjusting means. 2,492,877, Dec. 27.
- Measurements Corporation, assignee: See—Minter, Jerry B., 2d.
Van Beuren, John M.
- Meath, Campbell A., Houston, Tex. Pump. 2,483,218, Sept. 27.
- Meath, William B., Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Production of formaldehyde. 2,462,413, Feb. 22.
- Mebs, Erwin H., Alliance, Ohio, assignor to Carnegie-Illinois Steel Corporation. Apparatus for casting steel rolls. Re. 23,135, Dec. 27.
- Mecanique et Transmission metran, assignee: See—Estoup, Jean, or so-called Henri Estoup.
- Mechanical Products, Inc., assignee: See—Ingwersen, Richard C.
- Mechling, Frederick E., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Self-sealing inner tube demonstration tool. 2,469,307, May 3.
- Mechur, Berthold: See—Talaľay, Joseph A.
- Meckley, Raymond H., assignor of three-fifths to H. R. Huling, York, Pa. Drafting template. 2,465,167, Mar. 22.
- Meco, Inc., assignee: See—Sprinkle, Leonard M., and Jain.
- Medart Company, The, assignee: See—Albach, Frank, and Chervenska.
- Medcalf, Eugene C., and H. B. H. Cooper, Bound Brook, and W. E. Sisco, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Recovery of naphthalene and homologues from petroleum products. 2,489,042, Nov. 22.
- Medbery, Edward W., Arlington Heights, assignor to Marshall Field & Company, Chicago, Ill. Cloth roll attachment for lace looms. 2,461,387, Feb. 8.

- Medbery, Edward W., Arlington Heights, assignor to Marshall Field & Company, Chicago, Ill. Lubricating means for comb bars and bobbin shuttles for lace looms. 2,482,425, Sept. 20.
- Medert, Adrian, trustee, assignee: *See*—Bolesky, John D.
- Medhaug, Bjarne, New York, N. Y. Lubricator. 2,481,856, Sept. 13.
- Medlin, Lewis E., Evanston, assignor, by mesne assignments, to Ontarion, Inc., Chicago, Ill. Receiver cap for hearing aids. 2,486,534, Nov. 1.
- Mednick, Philip, Brooklyn, N. Y. Chair. 2,473,895, June 21.
- Medwed, Pinchos E., assignee: *See*—West, John W.
- Medwed, Pinchos E., Bangor, Maine. Making moccasin uppers. 2,483,921, Oct. 4.
- Meech, Frank B., Egham, assignor to Optical Measuring Tools Limited, Slough, England. Photographic apparatus for producing scales, dial faces, and the like. 2,488,091, Nov. 15.
- Meehan, Reginald J., East Hartford, Conn. Convertible ski. 2,485,756, Oct. 25.
- Meehanite Metal Corporation, assignee: *See*—Moore, William H.
- Meek, George W., assignor to Carrier Corporation, Syracuse, N. Y. Air-conditioning system. 2,492,757, Dec. 27.
- Meeker, David A., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food chopper with a plurality of connected feed passages. 2,492,233, Dec. 27.
- Meeker, David A., Troy, Ohio, and T. C. Brookhart, deceased, late of Troy, Ohio, by L. K. Brookhart, administratrix, Troy, Ohio; said D. A. Meeker and said T. C. Brookhart, assignors to The Hobart Manufacturing Company. Meat slicing machine with rotary knife and reciprocating carriage. 2,488,421, Nov. 15.
- Meeker, Willard F.: *See*—Olney, Benjamin, Slaymaker, and Meeker.
- Meer, Yusuf: *See*—González, Jorge, and Meer.
- Meese, George E., East Cleveland, Ohio, assignor to General Electric Company. Mount for twin searchlights. 2,479,176, Aug. 16.
- Mefina S. A., assignee: *See*—Casas, Robert, Ramon.
- Ramon, Robert C.
- Mega Corporation, assignee: *See*—Ludvigsen, Leonard E.
- Seaman, Richard H.
- Megargee, Joseph W., Brooklyn, N. Y. Conveyer. 2,467,682, Apr. 19.
- Megary, Harry H., Bronx, N. Y. Stationary twin bed sofa. 2,476,105, July 12.
- Megeber, David W., assignor to General Motors Corporation, Dayton, Ohio. Sliding vane compressor. 2,458,620, Jan. 11.
- Meggs, William L., Jacksonville, Fla. Bag or luggage illuminator. 2,465,029, Mar. 22.
- Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Total taking control. 2,475,510, July 5.
- Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Calculating machine. 2,486,959, Nov. 1.
- Meharg, Virgil E., A. P. Mazzucchelli, and R. E. Nicolson, Bloomfield, N. J., assignors to Bakelite Corporation. Automatic plastic molding press. 2,467,440, Apr. 19.
- Mehlhope, Lincoln E.: *See*—Hoier, Walter A., Rovoirs, and Mehlhope.
- Theler, Frederick J., and Mehlhope.
- Mehlretter, Charles L., C. E. Rist, and B. H. Alexander, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of D-glucosaccharic acid. 2,472,168, June 7.
- Mehlum, Casper: *See*—Gilbert, Adonias J., and Mehlum.
- Mehrlisch, Ferdinand P., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Treating pineapple plants. 2,488,092, Nov. 15.
- Meidinger, Lambert M.: *See*—Hoffman, Marian L., and Meidinger.
- Meier, Allen S., Bloomfield, Conn. Broad band antenna. 2,463,547, Mar. 8.
- Meier, Edwin H., Scotia, and H. J. Schlafly, Jr., Schenectady, N. Y., assignors to General Electric Company. Flexible section for wave guides. 2,464,598, Mar. 15.
- Meier, Gustav W., West Brighton, Staten Island, N. Y. Reducing locked in stresses in transversely welded ships caused by sun heat. 2,465,251, Mar. 22.
- Meier, Hans: *See*—Bollmann, Karl, and Meier.
- Meier, Hans, Zug, Switzerland, assignor to Landis & Gyr, A. G. Switch contact. 2,487,573, Nov. 8.
- Meier, Heinrich, assignor to Zellweger A. G., Apparate-und Maschinenfabriken Uster, Uster, Switzerland. Passing of warp threads through reeds. 2,473,289, June 14.
- Meier, Herbert H., Baytown, Tex., assignor to Standard Oil Development Company. Production of polycyclic aromatics. 2,475,977, July 12.
- Meier, Richard L., and W. E. Elwell, Berkeley, assignor to California Research Corporation, San Francisco, Calif. Synthetic resins and producing same. 2,469,295, May 3.
- Meier, Walter H., Englewood, N. J. Clamp for repairing musical instruments. 2,464,599, Mar. 15.
- Meier, William J., New York, N. Y. Dental unit. 2,459,711, Jan. 18.
- Meierjohan, Herman, and E. Wengler, Cincinnati, Ohio. Cemetery vase structure. 2,488,924, Nov. 22.
- Meighan, Merl H., River Edge, and K. N. Brown, Teaneck, N. J., assignors to F. W. Berk & Company, Inc., New York, N. Y. Apparatus for comminution of molten metals. 2,470,569, May 17.
- Meighan, William A., Portland, Oreg. Terminal fitting. 2,481,610, Sept. 13.
- Meighan, William A., Portland, Oreg. Arch fitting. 2,482,426, Sept. 20.
- Meijer, nee Kerkhof, Cornelia J. M., Laren, Netherlands, assignor to Scot-Signs, Inc., Dallas, Tex. Luminous advertising sign. 2,486,859, Nov. 1.
- Meiklejohn, William H., Lynnfield Center, Mass., assignor to General Electric Company. Electric rectifier and production. 2,485,402, Oct. 18.
- Meiler, John G., Tacoma, Wash., assignor to Diamond Alkali Company, Cleveland, Ohio. Manufacture of plastic products from wood (sulfur cook process). 2,490,078, Dec. 6.
- Meincke, Edmund R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Pest control. 2,475,629, July 12.
- Meincke, Edward: *See*—Jones, Homer W., and Meincke.
- Smith, Hugh T., Scheller, Meincke, and Kolody.
- Meincke, Edward, Summit, N. J., assignor to The Linde Air Products Company. Thermochemical powder-scarfing method. 2,465,978, Mar. 29.
- Meincke, Edward, Scotch Plains, N. J., assignor to The Linde Air Products Company. Thermochemical metal removal. 2,470,999, May 24.
- Meincke, Helmuth A., Grosse Pointe, Mich. Valve mechanism. 2,484,109, Oct. 11.
- Meinel, Aden B., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Rocket launching device. 2,478,774, Aug. 9.
- Meinel, William J.: *See*—Green, Samuel G., D'Ardenne, Meinel, and Devore.
- Meiners, Richard H., and E. A. Dupas, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Oven drawer construction. 2,487,356, Nov. 1.
- Meinertz, Mark F., Copenhagen, Denmark. Double-acting two-stroke internal-combustion engine. 2,488,093, Nov. 15.
- Meisel, Abraham A.: *See*—Jeffries, John J., and Meisel.
- Meisner, Leo E., Raymond, Ill. Stock watering trough. 2,490,824, Dec. 13.
- Meissner, Christian, Davos-Dorf, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Centrifugal compressor for high stage pressures. 2,469,125, May 3.
- Meissner, Harold G., Mount Vernon, N. Y., assignor to Combustion Engineering-Superheater, Inc. Self-spacing grate link. 2,491,996, Dec. 20.
- Meister, Albert R., Sacramento, Calif. Artificial respirator. 2,486,667, Nov. 1.
- Meister, Honore L., Houston, Tex. Toy airplane control. 2,490,313, Dec. 6.
- Meister, Honore L., Houston, Tex. Control handle for toy airplanes. 2,491,825, Dec. 20.
- Meister, Roy F., Tulsa, Okla. Screen door bumper and fly shooer. 2,475,711, July 12.
- Meisner, John, New York, N. Y. Tuning device for pianofortes. 2,469,738, May 10.
- Meites, Thelma S.: *See*—Brenner, Abner, and Meites.
- Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Accumulator injection system. 2,461,222, Feb. 8.
- Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Arrangement for fuel injection in a free-piston unit. 2,461,223, Feb. 8.
- Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Overstroke control for free-piston units. 2,461,224, Feb. 8.
- Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Constant stroke mechanism for free-piston compressors. 2,461,225, Feb. 8.
- Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Starting control for free-piston units. 2,469,739, May 10.
- Meitzner, Erich F., Philadelphia, and W. F. Hester, Drexel Hill, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparing diphenyldialdoethanes. 2,464,600, Mar. 15.
- Mejean, Jacques G., assignor, by mesne assignments, to The Aerotec Corporation, Greenwich, Conn. Electric motor follow-up transmitting apparatus. 2,476,106, July 12.

- Mejean, Jacques G., Darien, Conn., and D. V. Healy, Armonk, N. Y., assignors, by mesne assignments, to The Aerotec Corporation, Greenwich, Conn. Pressure actuated switch. 2,480,495, Aug. 30.
- Mekelburg, Earl F., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Push-button electric switch. 2,488,982, Nov. 22.
- Mekelburg, Harold L., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Metal-backed nonwelding contact. 2,468,888, May 3.
- Mekler, Lev A.: *See*—
Gerhold, Clarence G., and Mekler.
- Mel Products Company, The, assignee: *See*—
Follo, Salvatore J.
- Melas, William, Philadelphia, Pa., and W. B. Heinz, Bound Brook, N. J., assignors, by mesne assignments, to Penn Industrial Instrument Corporation. Flowmeter. 2,475,630, July 12.
- Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Engine-generator unit. 2,482,924, Sept. 27.
- Melchionna, Frank A., Cincinnati, Ohio. Sports shoe. 2,471,113, May 24.
- Melchior, Norton C.: *See*—
Morris, Rupert C., and Melchior.
- Melchiorre, William E., Providence, R. I. Mechanical pencil and ejector type lead carrier therefor. 2,492,234, Dec. 27.
- Melech, Charles J.: *See*—
Altman, Fred E., and Welech.
- Melhorn, Carl E., Springfield, assignor to Package Machinery Company, East Longmeadow, Mass. Group arranging conveyor mechanism. 2,482,427, Sept. 20.
- Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve casing. 2,459,668, Jan. 18.
- Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve structure. 2,482,198, Sept. 20.
- Melker, Charles E., Havelock, Nebr. Combined waste grab eliminator and oil reservoir. 2,490,314, Dec. 6.
- Mell-Hoffmann Mfg. Co., assignee: *See*—
Mell, William E.
- Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Paper dispenser. 2,482,714, Sept. 20.
- Mellen, Alice M., assignee: *See*—
Evans, Russell T., and Clasen.
- Mellen, William F.: *See*—
Rogers, Harry, and Mellen.
- Mellon Institute of Industrial Research, assignee: *See*—
Hoak, Richard D.
- Mellor, Albert, and R. J. Mann, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Producing a textile fabric having the two sides thereof in differing colors. 2,475,672, July 12.
- Mellor, Albert, R. J. Mann, D. Finlayson, and A. W. Morledge-Hadfield, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of translucent textile material. 2,478,974, Aug. 16.
- Mellor, Albert, R. J. Mann, D. Finlayson, and A. W. Morledge-Hadfield, Spondon, near Derby, England, assignors to Celanese Corporation of America. The treatment of hosiery. 2,478,975, Aug. 16.
- Meloon, Daniel T., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polarized light system for determining variations in the width of a web of transparent film. 2,474,906, July 5.
- Melpolder, John, Grand Rapids, Mich. Bread cutting machine. 2,478,159, Aug. 2.
- Melrose, Robert G., Centerport, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Position selecting motor control system. 2,480,334, Aug. 30.
- Melsom, Walter A., Wembley, assignor to Bowden (Engineers) Limited, London, England. Hose coupling. 2,477,193, July 26.
- Melton, Benjamin S., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Condenser. 2,485,902, Oct. 25.
- Melton, Samuel M., Columbus, Ohio. Conduit coupling. 2,463,407, Mar. 1.
- Melton, William L., Selman City, Tex. Explosive proof test tube heater. 2,487,161, Nov. 8.
- Meltzer, Evelyn, Brooklyn, N. Y. Renewal electric fuse plug. 2,483,018, Sept. 27.
- Meltzer, Jack, New York, N. Y. Making slip lasted welt shoes. 2,461,226, Feb. 8.
- Melville, Francis L., New York, N. Y. Contacting apparatus. 2,490,079, Dec. 6.
- Melville, Francis L., New York, N. Y. Contacting apparatus. 2,490,080, Dec. 6.
- Melvin, Francis F., and J. O. Stevens, Elwood, Ind., said Stevens assignor to said Melvin. Overlapping wire engaging device. 2,476,427, July 19.
- Melvin, Grant C., Springfield, P. C. Jones, and S. B. White, Dayton, Ohio. Device for simulating runway localizer and glide path beams for training purposes. 2,471,439, May 31.
- Melzer, Julius F., Port Chester, N. Y. Heating apparatus. 2,474,155, June 21.
- Mommel, Edgar G., Milwaukee, Wis. Disappearing target. 2,486,860, Nov. 1.
- Menasco Manufacturing Company, assignee: *See*—
Gerry, Julian E.
- Mendel, Leo E., F. J. Port, and C. J. Buhman, assignors to Cribben and Sexton Company, Chicago, Ill. Device for broiling foods. 2,492,053, Dec. 20.
- Mendelsohn, Irving, Brooklyn, N. Y. Dual reel wire connector for ironing boards. 2,473,107, June 14.
- Mendelsohn, Samuel, assignee: *See*—
McGall, Philip K.
- Mendenhall, George L., and A. C. Moore, Portland, Oreg., and J. A. Mendenhall, Long Beach, Calif. Automatically controlled air conditioner. 2,488,636, Nov. 22.
- Mendenhall, James A.: *See*—
Mendenhall, George L., Moore, and J. A. Mendenhall.
- Meneses y Compania, assignee: *See*—
Castellanos, Gonzalo M.
- Meng, Karl H., assignor to Distillation Products, Inc., Rochester, N. Y. Chromatographic adsorption. 2,487,574, Nov. 8.
- Menges, Louis J., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Process and apparatus for treating meat. 2,489,918, Nov. 29.
- Menges, Louis J., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tenderizing method and apparatus. 2,492,308, Dec. 27.
- Menheneott, Frank M., and W. J. Hagger, assignors to Betts and Company Limited, London, England. Collapsible tube with a noncontaminating insert for the neck thereof. 2,481,857, Sept. 13.
- Menhennett, Gerald: *See*—
Ferrar, Robert C., and Menhennett.
- Menking, Heinz, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Picker stick. 2,471,532, May 31.
- Menne Developments, assignee: *See*—
Menne, Ray J.
- Menne, Ray J., assignor to Menne Developments, East Troy, Wis. Archery bow. 2,483,145, Sept. 27.
- Mennie, Edward W., Windsor, Ontario, Canada. Piston oil drainer. 2,477,760, Aug. 2.
- Menshik, Nicholas: *See*—
Holt, Philetus H., II, and Menshik.
- Mensing, Anton B., New York, N. Y. Comb. 2,471,279, May 24.
- Mentel, Raymond A., East Cleveland, assignor to The Weatherhead Company, Cleveland, Ohio. Hose end. 2,463,293, Mar. 1.
- Mentges, Charles A., assignee: *See*—
Strang, Alvin E.
- Mentor, Eugene L., Westminster, assignor to Simplex Time Recorder Co., Gardner, Mass. Self-contained switchboard and cable connections therein. 2,459,237, Jan. 18.
- Mentz, Frank E., Wallkill, N. Y. Combined support for shades, curtains, and drapes. 2,474,434, June 28.
- Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Pallet stone cutting and polishing. 2,458,913, Jan. 11.
- Menzel, Arthur E. O.: *See*—
Wintersteiner, Askar, MacPhillamy, and Menzel.
- Menziez, Clifford, Detroit, Mich. Heat-treat furnace. 2,473,381, June 14.
- Mercep, Spiro D., New York, N. Y. Toolholder. 2,474,907, July 5.
- Mercer, David L., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for making structural shapes. 2,471,490, May 31.
- Mercer, David L., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Adjustable roll mounting. 2,481,138, Sept. 6.
- Mercer, Dudley A., Bloomington, Ind., assignor to Moguloid Company of America, Chicago, Ill. Repairing cracked hollow metallic bodies. 2,482,925, Sept. 27.
- Mercer Tube and Manufacturing Company, assignee: *See*—
Shook, John E.
- Mercer, William R.: *See*—
Sanders, Royden C., Jr., and Mercer.
- Merchant, Ralph O., Los Angeles, Calif. Rotary brush cleaner for the terminals of distributors. 2,476,156, July 12.
- Merchant, Thomas, Rochdale, England, assignor, by mesne assignments, to H. Duesberg, Heusy-Verriers, Belgium. Apparatus for the treatment of webs or fleeces. 2,479,759, Aug. 23.
- Merchants Despatch Transportation Corporation, assignee: *See*—
Keleher, William H.
- Keleher, William H., and Powers.
- Mercier, Dewey P., Burlington, Vt. Sinkers for fishing lines. 2,461,833, Feb. 15.
- Mercier, Edward G.: *See*—
Dibble, Frank B., Mercier, Duvoisin, and Gaertner.
- Mercier, Ernest, Paris, France, assignor, by mesne assignments, to Moore, Inc., Atlanta, Ga. Multicylinder free piston machine. 2,491,679, Dec. 20.
- Mercier, Ernest and M. Ehlinger, Paris, assignors to Societe Civile d'Etudes Thermo-Mecaniques, Marseille, France. Steam and gas power generating plant. 2,466,723, Apr. 12.

- Mercier, Ernest F., Eguzon, France, and P. E. Mercier, New York, N. Y. Balanced double-acting engine. 2,466,255, Apr. 5.
- Mercier, Jean : *See*—
Greer, Edward M., and Mercier.
- Mercier, Jean, New York, N. Y. Accumulator bag. 2,465,908, Mar. 29.
- Mercier, Jean, New York, N. Y. Mounting for hydraulic shock absorbers. 2,468,939, May 3.
- Mercier, Jean, New York, N. Y. Tube coupling. 2,480,496, Aug. 30.
- Mercier, Jean, New York, N. Y. Oleopneumatic storage device. 2,484,418, Oct. 11.
- Mercier, Jean, New York, N. Y. Unloader valve. 2,487,575, Nov. 8.
- Mercier, Jean, New York, and E. M. Greer, West Hempstead, said Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Accumulator shell sealing plug. 2,469,171, May 3.
- Mercier, Joseph D. P. E. : *See*—
Morrison, George O., Shaw, Mercier, and Collins.
- Mercier, Pierre, E. : *See*—
Mercier, Ernest F. and P. E.
- Mercier, Pierre E., New York, N. Y. Aircraft. 2,477,637, Aug. 2.
- Mercier, Stanley M. : *See*—
Collins, Raymond R., and Mercier.
- Mercier, Stanley M., Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Safety apparatus. 2,472,914, June 14.
- Mercier, Stanley M., Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Elevator. 2,491,899, Dec. 20.
- Merck & Co., Inc., assignee : *See*—
Babson, Robert D.
Bassford, Henry H., Jr., Harmon, and Mahoney.
Beutel, Ralph H., and Tishler.
Black, Auguste M., and Mahoney.
Clark, Robert L.
Coover, Harry W., and Bowman.
Elder, John A., Jr.
Folkers, Karl.
Folkers, Karl, and Koniuszy.
Foster, Jackson W.
Goldsmith, Dale P. J., and Tishler.
Harmon, William S.
Harris, Stanton A.
Harris, Stanton A., and Arth.
Harris, Stanton A., Arth, Hoffman, and Folkers.
Harris, Stanton A., and Folkers.
Harris, Stanton A., Folkers, Mozingo, and Arth.
Harris, Stanton A., and Heyl.
Harris, Stanton A., and Wilson.
Heyl, Dorothea.
Howe, Eugene E., and Tishler.
Johnson, Oscar H.
Kaczka, Edward A., and McPherson, Mozingo, and Folkers.
Keresztesy, John C., and Rickes.
Kniazuk, Michael, and Prediger.
Kuehl, Frederick A., Jr., Flynn, and Folkers.
Mahoney, John F.
Major, Randolph, Folkers, Johnson, and Southwick.
Minlon, Huang.
Mozingo, Ralph and Folkers.
Mozingo, Ralph, Harris, Arth and Folkers.
Peck, Robert L.
Pfister, Karl, III, and Tishler.
Phillips, Richard F.
Pierson, Earl and Tishler.
Rogers, Edward F., and Folkers.
Sarett, Lewis H.
Shabica, Anthony C.
Sheehan, John C., Mozingo, Folkers, and Tishler.
Sheehan, John C., and Tishler.
Snyder, Harold R., and Tishler.
Stecher, Paul.
Stein, Gustav A., and Tishler.
Stillier, Eric T.
Stokes, Jacob L.
Trenner, Nelson R.
Walt, Alphonse.
Weillard, John, and Tishler.
Wolf, Frank J.
Wolf, Frank J., and Pfister, III.
Wolf, Frank J., and Tishler.
- Merckx, Philibert R., assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Production of photographic images by color development. 2,473,166, June 14.
- Mercury Manufacturing Company, assignee : *See*—
Sichman, John J., Jr.
- Meredith, Frederick W., Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited. Apparatus for comparing the natural frequency of a mechanical oscillatory system with a standard frequency. 2,479,875, Aug. 23.
- Meredith, Joe H., Springfield, Mo. Roller bracket for round refrigerator or cabinet shelf. 2,459,446, Jan. 18.
- Mereen-Johnson Machine Company, assignee : *See*—
Bolling, Oscar S.
- Mergenthaler Linotype Company, assignee : *See*—
Plastaras, James C.
Rattray, George.
- Meriam Instrument Company, The, assignee : *See*—
Hejduk, Arthur A.
- Merion, Howard D. : *See*—
Webb, Wesley L., and Merion.
- Merit Engineering, Inc., assignee : *See*—
Stevenson, Robert.
- Merit Machine Company, assignee : *See*—
Mack, Stanley C.
- Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Wire terminal. 2,461,994, Feb. 15.
- Merkle, Gustav, Philadelphia, Pa., assignor, by mesne assignments, to Sherman Paper Products Corporation, Newton Upper Falls, Mass. Shipping package using dry ice. 2,467,268, Apr. 12.
- Merley, Robert W., and V. A. Navikas, assignors to Armstrong Cork Company, Lancaster, Pa. Polyisobutylene-asphalt composition containing hardening agent. 2,485,625, Oct. 25.
- Merley, Sylvan R. : *See*—
Morgan, John D., Merley, and Smith.
- Mero, Lorraine A. : *See*—
Belcher, Clarence F., and Mero.
- Mero, Ralph M. : *See*—
Pearson, Paul E., and Mero.
- Meroni, Charles F., assignee : *See*—
Sabee, Reinhardt N., and White.
- Merralls, Franz N., Inglewood, assignor to Rubbercraft Corporation of California, Ltd., Los Angeles, Calif. Floor mat. 2,487,027, Nov. 1.
- Merrell, Wm. S., Company, The, assignee : *See*—
Shelton, Robert S., and Van Campen, Jr.
Van Campen, Marcus G., Jr., and Tilford.
- Merrett, Earle E., assignor to Hamilton Manufacturing Company, Manitowoc, Wis. Baby bath. 2,465,909, Mar. 29.
- Merrett, Earle E., assignor to Hamilton Manufacturing Company, Manitowoc, Wis. Play pen construction. 2,471,762, May 31.
- Merriam, Charles J., Winnetka, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. High-frequency drying. 2,473,539, June 21.
- Merriam, Charles W., Jr. : *See*—
Perkins, Frank K., Tarr, Morey, and Merriam.
- Merriam, Henry F., West Orange, N. J., assignor to Allied Chemical & Dye Corporation. Manufacture of sulfuric acid. 2,471,072, May 24.
- Merrick, George H., Ottawa, Ontario, Canada. Traction device. 2,479,760, Aug. 23.
- Merrick, J. W., assignee : *See*—
Wenger, Russell J.
- Merrick, Layton T., Kansas City, Mo. Wallpaper perforator. 2,471,763, May 31.
- Merrifield, Arthur L. : *See*—
Boatner, Charlotte H., Hall, and Merrifield.
- Merrill Company, The, assignee : *See*—
Byler, Raymond E., and Dunn.
- Merrill, David R., Moorestown, N. J., and W. A. Perry, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of hydrogen cyanide. 2,478,875, Aug. 9.
- Merrill, Elwyn E. : *See*—
Barry, Arthur J., and Merrill.
- Merrill, Francis G. : *See*—
Felch, Edwin P., Jr., Merrill and Slonczewski.
- Merrill, Frank W. : *See*—
Jones, Ray D., and Merrill.
- Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Motor speed regulating circuit. 2,480,590, Aug. 30.
- Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,483,146, Sept. 27.
- Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,486,861, Nov. 1.
- Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,492,758, Dec. 27.
- Merrill, George S., Cleveland, Ohio. Calculating device. 2,466,858, Apr. 12.
- Merrill, Josiah L., Jr. : *See*—
McKim, Burton, and Merrill.
- Merrill, Leslie M., assignee, trustee : *See*—
Boestad, Gustav K. W.
Boestad, Gustav K. W., and Eriksson.
Boestad, Gustav K. W., and Nilsson.
Lysholm, Alf.
Nilsson, Hans R.
- Merrill, Marcellus S., and R. W. Becker, Denver, Colo. Apparatus for straightening axles and the like. 2,481,766, Sept. 13.
- Merrill, Oliver B., Amesbury, Mass. Trim element for closure frames. 2,475,332, July 5.
- Merrill, Oliver B., Amesbury, Mass. Core for closure frame trim elements. 2,479,016, Aug. 16.
- Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,103, Dec. 20.

- Merrill, Robert A., Nashville, Tenn. Golf club carrier. 2,475,454, July 5.
- Merrimac Hat Corporation, assignee: *See*—Goodchild, Harry M.
- Merriman, Chester F., New York, N. Y. Line spacing guide. 2,468,682, Apr. 26.
- Merriman, Henry H., assignor to Aeroquip Corporation, Jackson, Mich. Mechanical connecting means. 2,489,919, Nov. 29.
- Merritt, George E., Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Interferometric gauge. 2,466,322, Apr. 5.
- Merritt, George E., and B. W. Jones, Elmira, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Continuous strip camera magazine. 2,476,677, July 19.
- Merritt, Glenn W., assignor to The Mining Safety Device Company, Bowerston, Ohio. Trip feeder. 2,468,303, Apr. 26.
- Merritt, Harry, Crescent City, Calif. Sinkers releasing device. 2,488,475, Nov. 15.
- Merritt Lacey Corporation, The, assignee: *See*—Lacey, Robert M.
- Merriwether, Lee A., assignee: *See*—McDonald, Lafayette A.
- Merriwether, Luther A., assignee: *See*—McDonald, Lafayette A.
- Marrow, John G. G., assignee: *See*—Kuehn, William J.
- Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,459,669, Jan. 18.
- Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulating system. 2,462,207, Feb. 22.
- Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulating system. 2,465,312, Mar. 22.
- Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature control system. 2,470,633, May 17.
- Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,488,422, Nov. 15.
- Merson, David A., Great Neck, and I. J. Moritt, Brooklyn, N. Y., said Merson assignor to said Moritt. Hand sewing instrument. 2,479,017, Aug. 16.
- Merson, Thomas J.: *See*—Spencer, James A., Merson, and Thomas.
- Merten, Eugen, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Hydrophone. 2,490,595, Dec. 6.
- Mertins, William A.: *See*—Hanrahan, Emery M., and Mertins.
- Mertler, Charles S., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Leakage testing system. 2,467,767, Apr. 19.
- Mertz, Fred A., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Sealing ring for rotary kilns. 2,461,754, Feb. 15.
- Mertz, Harry J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Power transmission drive adjustment. 2,458,720, Jan. 11.
- Mertz, Harry J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Brake control and accelerator assembly. 2,476,058, July 12.
- Mertz, Harry J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Drive wheel assembly. 2,476,059, July 12.
- Mervenne, William J., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt lacer fastener applying tool. 2,478,050, Aug. 2.
- Mer-Wall Enterprises, Incorporated, assignee: *See*—Carignan, Raymond.
- Merwin, Harry H.: *See*—Isaacson, Arthur M., and Merwin.
- Merwin, Harry H., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article working apparatus. 2,463,895, Mar. 8.
- Merwin, Harry H., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributor screw. 2,477,343, July 26.
- Merwin, Harry H., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing apparatus. 2,478,413, Aug. 9.
- Merz, Emil: *See*—Hartman, Max, and Merz.
- Merz Engineering Company, assignee: *See*—Rupley, Frederick L.
- Merz, Max, Seattle, Wash. Centrifugal clutch. 2,488,599, Nov. 22.
- Mesa, Joseph O., Bayside, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Automatic positioning apparatus. 2,459,039, Jan. 11.
- Mesavage, Clement, New Orleans, La.; dedicated to the free use of the People in the Territory of the United States. Tree volume calculator. 2,471,491, May 31.
- Meschter, Eldon E., Glenside, Pa., and K. W. Seiter, assignors to Grape Belt Preserve Company, Westfield, N. Y. Preventing crystallization of argols in grape products. 2,478,298, Aug. 9.
- Meschter, Emery, Towanda, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for treating motion-picture film. 2,473,382, June 14.
- Meschter, Emery, Towanda, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Static discharge and indicating device. 2,475,356, July 5.
- Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Heat controlled switch. 2,478,117, Aug. 2.
- Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Time delay centrifugal clutch. 2,485,211, Oct. 18.
- Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Combustion-responsive means for burner control systems. 2,490,534, Dec. 6.
- Mesh, William E., Teaneck, assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,467,328, Apr. 12.
- Mesh, William E., Teaneck, assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,481,858, Sept. 13.
- Mesh, William E., Teaneck, N. J., and B. Carlin, New York, N. Y. Container for materials in stick form. 2,486,960, Nov. 1.
- Meskimen, Leslie C., Shawnee on Delaware, Pa., assignor to Fairmont Railway Motors, Incorporated, Fairmont, Minn. Mower. 2,471,073, May 24.
- Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Electronic distributor for multiplex pulse communication systems. 2,459,131, Jan. 11.
- Messenger, Ashley, executors: *See*—Messenger, Robert W.
- Messenger, Joseph E., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alumina gel pellets. 2,471,000, May 24.
- Messenger, Joseph U.: *See*—Oblad, Alex G., and Messenger.
- Messenger, Robert P., Kenilworth, Ill., assignor to International Harvester Company. Beet topper. 2,458,790, Jan. 11.
- Messenger, Robert P., Kenilworth, Ill., assignor to International Harvester Company. Stalk forwarder for corn pickers and huskers. 2,458,791, Jan. 11.
- Messenger, Robert P., Kenilworth, and R. D. Acton, Chicago, Ill., assignors to International Harvester Company. Corn harvester. 2,491,195, Dec. 13.
- Messenger, Robert W., Salisbury, Md.; Z. M. Messenger, and W. A. Messenger, executors of said R. W. Messenger, deceased. Cutting blanks from thin sheet or strip material. 2,489,583, Nov. 29.
- Messenger, Zilda M., executor: *See*—Messenger, Robert W.
- Messer, Albert S.: *See*—Kolbert, Oswald, and Messer.
- Messer, John H., Pittsburgh, Pa. Chimney draft control. 2,483,922, Oct. 4.
- Messerschmidt, Ernest, Newark, Ohio. Merchandise display. 2,477,761, Aug. 2.
- Messersmith, George G., assignor to J. F. Helmold & Bro., Inc., Chicago, Ill. Method of and apparatus for preparing creasing counters. 2,458,867, Jan. 11.
- Messick, Kirwan Y., Arlington County, Va. Vehicle for transporting and handling material in stacks. 2,468,095, Apr. 26.
- Messick, Kirwan Y., Arlington, Va. Lumber loading truck. 2,470,360, May 17.
- Messick, Willard C., Syracuse, N. Y. Fire alarm device. 2,483,657, Oct. 4.
- Messier, Rudolph O., Jacksonville, Fla. Hydraulic trailer hitch. 2,463,896, Mar. 8.
- Messina, Charles F., and M. M. Messina, Central Valley, N. Y. Restraining device. 2,459,712, Jan. 18.
- Messina, Michael M.: *See*—Messina, Charles F. and M. M.
- Messina, Rosario J., West Roxbury, and O. E. Wolff, assignors to Polaroid Corporation, Cambridge, Mass. Developing camera. 2,458,186, Jan. 4.
- Messinger, Lester H., Trumbull, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Tube sizing machine. 2,473,383, June 14.
- Messinger, Lester H., Trumbull, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Machine for sizing tubes. 2,485,007, Oct. 18.
- Messinger, William, Philadelphia, Pa. Drier. 2,486,719, Nov. 1.
- Messner, Carlton E., assignor to Continental Motors Corporation, Muskegon, Mich. Internal-combustion engine. 2,466,256, Apr. 5.
- Messrs. Hard Metal Tools Limited, assignee: *See*—Westmoreland-White, Beryl.
- Messrs. Hornflowa Limited, assignee: *See*—Nachazel, Vaclav.
- Mesta Machine Company, assignee: *See*—Iversen, Lorenz.
- Mestitz, Ervin, Llandaff, Cardiff, South Wales. Electrical coupling switch. 2,477,387, July 26.
- Mestitz, Ervin, Llandaff, Cardiff, Wales. Electric timing relay. 2,484,110, Oct. 11.
- Meszaros, George W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rectifying apparatus. 2,467,329, Apr. 12.

- Metafiltration Company Limited, The, assignee: *See—*
Pickard, Joseph A.
- Metal Coatings & Manufacturing Company, Inc., assignee: *See—*
Paul, Benjamin F., and Wilkinson.
- Metal Hose Corporation, assignee: *See—*
Farrar, John F. P., and Ekholm.
- Metal Hydrides Incorporated, assignee: *See—*
Alexander, Peter P.
Alexander, Peter R.
Anicetti, Robert J.
Davis, Lewis W.
Gibado, Frank.
Gibb, Thomas R. P., Jr.
- Metal Industries, Inc., assignee: *See—*
Ferriday, Robert, Jr.
- Metal Products Corporation, assignee: *See—*
Kincannon, Leo T.
- Metal Specialties Manufacturing Co., assignee: *See—*
Amstutz, Walter R.
Semler, Loren H.
- Metal Textile Corporation, assignee: *See—*
Goodloe, Alfred M.
- Metal & Thermit Corporation, assignee: *See—*
Coffee, William W., and Danielson.
Lowenheim, Frederick A.
Richter, Hartmut W.
- Metal and Thermit Corporation, assignee: *See—*
Rollason, Ernest C.
- Metallastik Limited, assignee: *See—*
Hirst, Archie J.
- Metalloy Corporation, assignee: *See—*
Fenton, Walter M.
- Metallschlauchfabrik A. G., assignee: *See—*
Dreyer, Albert.
- Metallurgical Processes Co., assignee: *See—*
Ness, Harold J.
- Metals & Controls Corporation, assignee: *See—*
Bolesky, John D.
Chace, Paul G.
Davignon, Ermand H.
Durst, George, and Van Ryn.
Gunn, Townsend M.
Kurtz, Edward F.
Moorhead, John O.
Smith, Ezra S.
Vaughan, Victor G.
Wilson, Harold M.
- Metals and Controls Corporation, assignee: *See—*
Moorhead, John O.
- Metalwash Machinery Company, assignee: *See—*
Zademach, Erich R., and Clarke.
- Metcalf, Earl H., Ridgefield Park, N. J. Copyholder.
2,462,273, Feb. 22.
- Metcalf, Joe S.: *See—*
Taylor, George E., Metcalf, and Branscomb.
- Metcalf, George E., Bridgeport, Conn. Polishing bonnet.
2,471,114, May 24.
- Metron Instrument Company, assignee: *See—*
Floyd, Frederick K.
- Metropolitan Device Corporation, assignee: *See—*
Kydd, James.
- Metropolitan Engineering Company, assignee: *See—*
Holmes, Harry S.
- Metropolitan-Vickers Electrical Company Limited, assignee: *See—*
Baumann, Karl.
Smith, David M., and Lloyd.
Woolnough, Geoffrey L.
- Mettenleiter, Michael W., New York, N. Y. Handbag holder or the like. 2,461,071, Feb. 8.
- Mettler, Arthur L., Lomita, Calif. Machine vise having guide and holddown means for sliding jaws. 2,480,415, Aug. 30.
- Mettrick, Arthur, Bellmore, and D. Hook, New York, N. Y. Jig. 2,487,823, Nov. 15.
- Metz, Christopher, Baldwin, N. Y. Game apparatus. 2,465,740, Mar. 29.
- Metzel, Harold N., East Lansing, assignor to General Motors Corporation, Detroit, Mich. Recuperator system for airplane cannons. 2,473,211, June 14.
- Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Cooling-water supply apparatus for compressors. 2,490,453, Dec. 6.
- Metzger, Louis, assignor to The Perfection Steel Body Company, Galion, Ohio. Vehicle stake body lock. 2,491,415, Dec. 13.
- Metzger, Robert M., Portsmouth, N. H. Chln-operated diving apparatus. 2,484,044, Oct. 11.
- Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Auxiliary car coupling device. 2,490,453, Dec. 6.
- Metzger, Max, assignor to Blockson Chemical Co., Joliet, Ill. Production of disodium phosphate dihydrate. 2,468,455, Apr. 26.
- Metzler, Charles L.: *See—*
Gels, Lester, and Metzler.
- Metzler, Theodore H.: *See—*
Roberts, Richard M., and Metzler.
- Metzner, Ernest K., Los Angeles, Calif. Screw conveying steam distilling apparatus for pomace. 2,459,951, Jan. 25.
- Metzner, Ernest K., Los Angeles, Calif. Rectification. 2,460,708, Feb. 1.
- Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,488,778, Nov. 22.
- Meunier, Charles, Great Neck, N. Y. Leverage wrench. 2,481,435, Sept. 6.
- Meunier, Marcel, Cuesmes, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Current converter. 2,479,853, Aug. 23.
- Meusdorffer, Arthur R., North Hollywood, Calif., assignor to Robbins & Myers, Inc., Springfield, Ohio. Motor rotor. 2,484,386, Oct. 11.
- Mewherter, Frank W., and E. E. Smith, Raeford, N. C. Skipperproof meat case. 2,461,227, Feb. 8.
- Meyer, Adolf, Kusunacht, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Apparatus for producing hot gases. 2,465,464, Mar. 29.
- Meyer, Adolf, Kusunacht, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electric resistance welding. 2,487,462, Nov. 8.
- Meyer, Arthur A., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Chuck. 2,479,584, Aug. 23.
- Meyer-Balzer Fuel Unit, Incorporated: *See—*
Meyer, David.
- Meyer, Chester J., Speed, Kans. Tractor drawn hay rake. 2,472,953, June 14.
- Meyer, Clarence H., assignor to Argus, Incorporated, Ann Arbor, Mich. Reticule cell. 2,466,724, Apr. 12.
- Meyer, David, Canton, assignor to Meyer-Balzer Fuel Unit, Incorporated, Dover, Ohio. Lining combustion tubes and the like. 2,458,285, Jan. 4.
- Meyer, Donald, Milwaukee, Wis. Electric range heating unit. 2,486,862, Nov. 1.
- Meyer, Edwin W.: *See—*
Julian, Percy L., Cole, Magnani, and Meyer.
- Meyer, Ernest E., Anaconda, Mont. Potato cutter. 2,487,719, Nov. 8.
- Meyer, Erwin, assignor to Abrasive Dressing Tool Company, Detroit, Mich. Abrasive wheel and making the same. 2,469,398, May 10.
- Meyer, Eva, Cedar City, Mo. Ribbon changing implement. 2,481,767, Sept. 13.
- Meyer, Frank A.: *See—*
Gottlieb, Manious, and Meyer.
- Meyer, Fred C., Dayton, Ohio, assignor to Servel, Inc., New York, N. Y. Refrigeration apparatus, including a system for cooling parts thereof. 2,480,497, Aug. 30.
- Meyer, Frederick: *See—*
Burchett, Ray L., and Meyer.
- Meyer, Frederick, Union, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,459,085, Jan. 11.
- Meyer, Frederick J., Freeland, assignor to The Dow Chemical Company, Midland, Mich. Protection of cellulosic textile materials. 2,480,084, Aug. 23.
- Meyer, Frederick J., Freeland, assignor to The Dow Chemical Company, Midland, Mich. Cellulosic textiles protected against mildew. 2,486,961, Nov. 1.
- Meyer, Frieda H., assignee: *See—*
Meyer, William F.
- Meyer, George D., Cincinnati, Ohio. Barrel rest. 2,466,323, Apr. 5.
- Meyer, Geo. J., Manufacturing Co., assignee: *See—*
Meyer, George L. N., and Stock.
- Meyer, George L. N., Milwaukee, Wis. Filler valve. 2,467,683, Apr. 19.
- Meyer, George L. N., Milwaukee, and H. F. Stock, Waukesha, assignors to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. 2,467,684, Apr. 19.
- Meyer, Harold F., Haddonfield, N. J. Protection of objects. 2,474,271, June 28.
- Meyer, Harvey E., Blue Springs, Mo. Battery hold-down clamp. 2,491,997, Dec. 20.
- Meyer, Hugo H. M.: *See—*
Van Heeckeren, Willem J., Meyer, and Rinia.
- Meyer, Jerome S., New York, N. Y. Toy book. 2,489,240, Nov. 22.
- Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Ink fountain for intaglio printing presses. 2,460,184, Jan. 25.
- Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Printing plate stops for spirally grooved cylinders. 2,465,252, Mar. 22.
- Meyer, Joseph H., Brothers, assignee: *See—*
Hamburg, Nathan.
- Meyer, Jules, Basel, and F. Ackermann, Binningen, assignors to Ciba Limited, Basel, Switzerland. Substituted ethylenes and making same. 2,483,392, Oct. 4.
- Meyer, Jules, Basel, C. Graenacher, Riehen, and F. Ackermann, Binningen, assignors to Ciba Limited, Basel, Switzerland. Making $\alpha\beta$ -di-[benzimidazolyl-(2)]-ethylenes. 2,488,289, Nov. 15.
- Meyer, Lester W. A.: *See—*
Gearhart, William M., and Meyer.
- Meyer, Lillian M., Vernonia, Oreg. Garment suspender. 2,463,194, Mar. 1.
- Meyer, Otto F., and H. L. Schmidt, Lexington, and R. E. Owens and W. W. Miner, Jr., assignors to U. S. Alfalfa Products Company, Verdon, Nebr. Dehydrating alfalfa. 2,487,162, Nov. 8.

- Meyer, Paul H. : *See*—
Ahrndt, Arthur H., and Meyer.
Pfister, Harry C., and Meyer.
- Meyer, Paul H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Food pusher for slicing machines. 2,482,787, Sept. 27.
- Meyer, Paul H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Knife sharpener for slicing machines. 2,486,797, Nov. 1.
- Meyer, Ronald E. : *See*—
Otto, Ferdinand P.
Otto, Ferdinand P., and Meyer.
- Meyer, Walter, assignor to M. T. Cole, Chicago, Ill., doing business as M. T. Cole Co. Finger cot. 2,462,208, Feb. 22.
- Meyer, Walter A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Belt and transmission. 2,471,969, May 31.
- Meyer, Walter H. : *See*—
Williams, Carl E., Jr., and Meyer.
- Meyer, Walter R. : *See*—
Groene, William F., Siekmann, and Meyer.
- Meyer, Walter R., Hamden, assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Composition for blackening copper and copper alloy surfaces. 2,460,896, Feb. 8.
- Meyer, Walter R., Hamden, assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Rendering aluminum and aluminum alloy surfaces corrosion resistant. 2,460,897, Feb. 8.
- Meyer, Walter R., Hamden, assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Process and composition for coloring copper and copper alloy surfaces. 2,460,898, Feb. 8.
- Meyer, Walter R., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,471,162, May 24.
- Meyer, Walter R., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Center drive lathe power chucking mechanism. 2,473,108, June 14.
- Meyer, William : *See*—
Krone, Howard C., and Meyer.
- Meyer, Wm., Company, The, assignee : *See*—
Wehmer, Bruno F.
- Meyer, William F., assignor to F. H. Meyer, Chicago, Ill. Folding clothesbasket carrier. 2,462,274, Feb. 22.
- Meyer, William H., St. Louis, Mo., assignor to General Steel Castings Corporations, Granite City, Ill. Railway truck pedestal liner. 2,474,008, June 21.
- Meyeroefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Coupling. 2,457,908, Jan. 4.
- Meyeroefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Container. 2,491,680, Dec. 20.
- Meyerhoff, Arthur, Brooklyn, N. Y. Determining thermodynamic properties of fluids. 2,482,591, Sept. 20.
- Meyerhoff, Lester B., assignor of one-half to N. R. Meyerhoff, Elkins Park, Pa. Hanger for apparel. 2,467,141, Apr. 12.
- Meyerhoff, Lester B., assignor of one-half to N. R. Meyerhoff, Elkins Park, Pa. Garment hanger. 2,467,142, Apr. 12.
- Meyerhoff, Natalie R., assignee : *See*—
Meyerhoff, Lester B.
- Meyers, Carl G., and B. S. Harrington, assignors to Armour and Company, Chicago, Ill. Combined measuring and filling machine. 2,491,826, Dec. 20.
- Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of acidic material from a gaseous mixture. 2,487,576, Nov. 8.
- Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Prevention of corrosion of metallic surfaces. 2,487,578, Nov. 8.
- Meyers, George N., Audubon, N. J., assignor to The Budd Company, Philadelphia, Pa. Spray gun apparatus. 2,464,764, Mar. 15.
- Meyers, Henry, Norwalk, Conn. Lady's handbag having upper and lower compartments and a removable drawer in the lower compartment. 2,463,993, Mar. 8.
- Meyers, James M. : *See*—
Passino, Herbert J., and Meyers.
- Meyers, W. F., Company, assignee : *See*—
Sneva, Ingolf.
- Meyerson, Joseph J., Montclair, N. J., and H. Buchsbaum, assignors to S. Buchsbaum & Company, Chicago, Ill. Belt and buckle combination. 2,486,311, Oct. 25.
- Meynig, August W., Westbrook, Tex. Stuffing box support. 2,486,962, Nov. 1.
- Meystre, Charles : *See*—
Miescher, Karl, and Meystre.
Miescher, Karl, Frey, Meystre, and Wettstein.
- Mezek, Melvin E., Chicago, Ill. Electrical connector. 2,469,397, May 10.
- Mezoff, John G. : *See*—
Hawk, Ralph C., and Mezoff.
- Miami Boiler & Machine Company, Inc., assignee : *See*—
Napier, Melvin J.
- Micafit Ltd., assignee : *See*—
Wirth, Otto.
- Micarta Fabricators, Inc., assignee : *See*—
Olson, Harry A.
- Michael, Frederick R., Philadelphia, Pa. Rotating pointer racing toy or game apparatus. 2,486,752, Nov. 1.
- Michael Reese Research Foundation, assignee : *See*—
Levinson, Sidney O., and Oppenheimer.
Necheles, Heinrich, and Kroil.
- Michael, Vesta F., and J. A. Phinney, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Production of oxygenated compounds and liquid hydrocarbons from hydrocarbon gases. 2,482,284, Sept. 20.
- Michael, William J., assignor to St. Clair Machine Products Company, Cleveland, Ohio. License plate fastener. 2,465,548, Mar. 29.
- Michaels, John I. : *See*—
Davis, Charles J., and Westholt, and Michaels.
- Michaelson, Rose, New York, N. Y. Brassière. 2,462,987, Mar. 1.
- Michaelson, Rose, New York, N. Y. Brassière. 2,472,606, June 7.
- Michal, James, assignor to Storkline Furniture Corporation, Chicago, Ill. High chair hardware. 2,468,683, Apr. 26.
- Michal, Leon V., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Breakdown testing apparatus. 2,478,414, Aug. 9.
- Michalek, John C., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, New York, N. Y. Trichlorostyrene and polymers thereof. 2,463,897, Mar. 8.
- Michel, Bernard, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. High-frequency apparatus for automatically regulating temperature in tempering of magnetizable material. 2,464,336, Mar. 15.
- Michel, Mathias, Pittsburgh, Pa. Unwind reel control. 2,485,757, Oct. 25.
- Michel, Morris, assignor to Rothmoor Corporation, Chicago, Ill. Garment. 2,474,400, June 28.
- Michel, Philip C. : *See*—
Moles, Frank J., and Michel.
- Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Electronic calibrating means or indicating instruments in pulse echo systems. 2,460,142, Jan. 25.
- Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Means for measuring the difference in magnitude of alternately occurring pulses. 2,467,844, Apr. 19.
- Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Metal detector. 2,489,920, Nov. 29.
- Michelsen, Henry, and M. E. Reid, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich. Gauging apparatus for controlling a grinding operation. 2,460,232, Jan. 25.
- Michelsen, William O. : *See*—
Veltman, John C., and Michelsen.
- Michelson, Jacob, Brooklyn, N. Y. Ring display holder. 2,480,756, Aug. 30.
- Michiana Products Corporation, assignee : *See*—
Nygren, Carl.
- Michigan Tank & Furnace Corporation, assignee : *See*—
Baity, Howard C.
- Michigan Tool Company, assignee : *See*—
Anderson, Marvin R.
Martin, James.
Pelphrey, Harr, and Martin.
- Michon, Robert : *See*—
Sans, Marcel, Linizan, and Michon.
- Mickelson, Alfred O., Elmhurst, assignor to Pipe Line Service Corporation, Franklin Park, Ill. Pipe coating machine. 2,482,021, Sept. 13.
- Mickle, Edwin R., Schenectady, N. Y., assignor to General Electric Company. Electronic relay. 2,482,553, Sept. 20.
- Mickley, Erich, Berlin-Zehlendorf, Germany; vested in the Attorney General of the United States. Making stems for electric lamps. 2,482,119, Sept. 20.
- Miconi, Leonard T., Reading, Pa. Coin sorter. 2,487,163, Nov. 8.
- Miconi, Leonard T., Reading, Pa. Coin counting device. 2,487,164, Nov. 8.
- Micro-Engineering Corporation, assignee : *See*—
Roos, Leonard H.
- Micromatic Hone Corporation, assignee : *See*—
Kline, John E.
Peden, Douglas T.
- Micronizer Company, The, assignee : *See*—
Andrews, Norwood H.
- Micro-Poise Engineering and Sales Company, assignee : *See*—
Lannen, Joseph P.
- Microstat Corporation, assignee : *See*—
Yohn, Fred C.
- Mid-Continent Metal Products Co., assignee : *See*—
Donner, Verne P.
- Middlebrook, Vernon E. : *See*—
Deutsch, Robert K., Larson, and Middlebrook.
- Middleton, Alan C., Point Pleasant, N. J. Control mechanism for positioning a mast in alternate, predetermined positions. 2,474,486, June 28.
- Middleton, Arthur B., Finchley, London, England, assignor to The International Nickel Company, Inc., New York, N. Y. Sintered precious metal product. 2,476,208, July 12.

- Middleton, Donald R., assignee: *See*—
Bixby, William H.
- Midland Steel Products Company, The, assignee: *See*—
Almdale, Einar.
Almond, John R.
Cunnington, George A.
Smith, William E.
- Midouhas, Stephen P., assignor to Kemline Metal Products Company, Inc., Bristol, Pa. Collapsible clothesline. 2,459,110, Jan. 11.
- Mid-States Gunned Corporation, assignee: *See*—
Nielsen, Clayton P.
- Mid-States Gunned Paper Co., assignee: *See*—
Humphner, Ferdinand W.
- Midwest Aircraft Products, Inc., assignee: *See*—
Culver, Merlyn M.
- Midwest Industries, Inc., assignee: *See*—
Liljenberg, Harry A.
- Midwest Laboratories, Inc., assignee: *See*—
Towle, Willard M.
- Midwest Piping & Supply Company, Inc., assignee: *See*—
Fantz, Fred C.
- Midwest Rubber Reclaiming Company, assignee: *See*—
Randall, Robert L.
- Midwest Tool & Manufacturing Company, assignee: *See*—
Parker, Emmett E.
- Midwinter, Ernest L., London, and R. B. Richards, Northwich, England, assignors to Imperial Chemical Industries Limited. Polythene compositions containing calcium carbonate. 2,466,038, Apr. 5.
- Mieher, Walter W.: *See*—
Barrow, Wilmer L., Pensyl, and Mieher.
- Miehle Printing Press & Manufacturing Company, assignee: *See*—
Pasquinelli, Bruno B.
Peyrebrune, Henri E.
Peyrebrune, Henri E., and Jacobson.
Peyrebrune, Henri E., and Wormser.
Wormser, Arthur.
- Miehle Printing Press & Manufacturing Company, The, assignee: *See*—
Jacobson, Arthur G.
Peyrebrune, Henri E.
- Miehle Printing Press Mfg. Company, assignee: *See*—
Peyrebrune, Henri E., and Pasquinelli.
- Mierley, George M., Havertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical connector device. 2,471,440, May 31.
- Miescher, Karl: *See*—
Hoffmann, Karl, Schellenberg, and Miescher.
Kaegi, Hans, and Miescher.
- Miescher, Karl, Riehen, and J. Heer, and Jean R. Billeter, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Preparing hydroxy hydrophenanthrene carboxylic acids and their esters. 2,459,834, Jan. 25.
- Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Preparation of hydroxy-hydrophenanthrene carboxylic acids and esters. 2,459,949, Jan. 25.
- Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrophenanthrene carboxylic acid intermediates. 2,459,950, Jan. 25.
- Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Degradation of the side-chain of steroids and steroids suitable therefor. 2,461,563, Feb. 15.
- Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Degradation of the side-chain of steroids and steroids suitable therefor. 2,461,910, Feb. 15.
- Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Degradation of the side-chain of steroids and steroids suitable therefor. 2,461,911, Feb. 15.
- Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Degradation of the side-chain of a steroid containing a nuclear α,β -unsaturated keto group. 2,461,912, Feb. 15.
- Miescher, Karl, Riehen, and R. Rometsch, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Process of separating dolynolic acids and intermediates therefor. 2,469,173, May 3.
- Miescher, Karl, Riehen, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Preparation of glycosides utilizing azeotropic distillation. 2,479,761, Aug. 23.
- Miescher, Karl, Riehen, and A. Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 2-[phenylaziryl-(N-methyl)-imidazoline], the corresponding 2-(phenoxaziryl) imidazolines, and their salts. 2,485,212, Oct. 18.
- Miescher, Karl, Riehen, and H. Kaegi, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 1-alkyl-4-(meta-hydroxyphenyl)-4-carbalkoxy-piperidines and their production. 2,486,792, Nov. 1.
- Miescher, Karl, Riehen, and H. Kaegi, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Piperidine compounds and making same. 2,486,793, Nov. 1.
- Miescher, Karl, Riehen, and H. Kaegi, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. 1-alkyl-4-(meta-hydroxyphenyl)-piperidyl-(4)-alkylketones and their production. 2,486,794, Nov. 1.
- Miescher, Karl, Riehen, and H. Kaegi, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Esters of 1-alkyl-4-hydroxyphenyl-piperidyl-4-ketones. 2,486,796, Nov. 1.
- Miessler, Paul W., Lakewood, assignor to The Hankins Containe Company, Cleveland, Ohio. Box and corner lock therefor. 2,471,883, May 31.
- Miessner, Benjamin F., Morristown, N. J. Piano action. 2,469,568, May 10.
- Mighton, Charles J., Christiana Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl sulfone-diene interpolymers. 2,472,672, June 7.
- Mighton, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diolefin-styrene-alkenyl-ethynylcarbinol tripolymers. 2,482,285, Sept. 20.
- Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Escapement mechanism. 2,477,137, July 26.
- Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Coin controlled mechanism. 2,491,900, Dec. 20.
- Mihalek, Emery, and C. Szyper, assignors to O. D. Jennings & Company, Chicago, Ill. Cabinet with device for locking an instrument base. 2,459,571, Jan. 18.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Variable aperture curtain shutter for cameras. 2,472,607, June 7.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photoelectric exposure meter having connected movable galvanometer and calculator scales. 2,481,678, Sept. 13.
- Mihalyi, Joseph, and H. D. Phillips, assignors to Eastman Kodak Company, Rochester, N. Y. Swivel mount. 2,458,399, Jan. 4.
- Mihalic, John P.: *See*—
Guffey, Wayne W., Mihalic, Piper, and Engstrom.
- Mikell, Ovid P., Jr., Miami, Fla. Exercise device. 2,467,943, Apr. 19.
- Mikeska, Louis A.: *See*—
Eby, Lawrence T., and Mikeska.
- Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Organometallic compound. 2,461,335, Feb. 8.
- Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Manufacture of glutaric acid. 2,461,336, Feb. 8.
- Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Preparing mercaptans. 2,464,049, Mar. 8.
- Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil. 2,471,115, May 24.
- Mikeska, Louis A., assignor to Standard Oil Development Company, Westfield, N. J. Lubricants. 2,475,246, July 5.
- Mikeska, Louis A., Westfield, N. J., and A. R. Kittleson, Washington, D. C., assignors to Standard Oil Development Company. Sulfur-containing aromatic compounds. 2,488,134, Nov. 15.
- Mikeska, Peter L., assignor to The Dole Valve Company, Chicago, Ill. Room temperature control vent. 2,467,216, Apr. 12.
- Mikeska, Peter L., assignor to The Dole Valve Company, Chicago, Ill. Hot-water automatic vent valve. 2,467,217, Apr. 12.
- Miketta, C. A., assignee: *See*—
Marsh, Delos E.
- Miketta, Casimir A., assignee: *See*—
Hallamore, Lloyd G.
- Mikina, Stanley J.: *See*—
Hanna, Clinton R., and Mikina.
- Mikina, Stanley J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frictional servomotor. 2,473,896, June 21.
- Mikina, Stanley J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluid-flow indicator. 2,491,998, Dec. 20.
- Mikkelsen, Anders P., Pleasantville, N. Y. Door latch. 2,469,201, May 3.
- Mikkelsen, Ward C., and J. Anthes, U. S. Army. Selsyn transmission by radio. 2,462,117, Feb. 22.
- Mikolic, Charles R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Follow-up system with two circuits alternately supplied with constant and variable currents. 2,489,241, Nov. 22.
- Mikulas, William, West Brighton, Staten Island, N. Y., and L. L. Jones, Oradell, assignors to Conmar Products Corporation, Newark, N. J. Automatic lock slider for slide fasteners. 2,462,528, Feb. 22.
- Mikulasek, John, Bellevue, Iowa. Planetary piston fluid displacement mechanism. 2,475,247, July 5.
- Mikulic, Boyourd M., Jackson County, Mo. Propeller attachment for rockers. 2,487,663, Nov. 8.

- Milan, Stanley E., Milwaukee, Wis. Pipe cutting tool. 2,466,179, Apr. 5.
- Milas, Nicholas A., Belmont, assignor to Union Bay State Chemical Co., Inc., Cambridge, Mass. Preparation of derivatives of aliphatic terpenes. 2,467,330, Apr. 12.
- Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Intermediate products in the production of dialkylamino vitamin A's. 2,483,347, Sept. 27.
- Milbrath, Walter H., Los Angeles, and C. Halda, Monterey Park, Calif. Valve seat reamer. 2,490,977, Dec. 13.
- Milchen, Leo, Los Angeles, Calif. Machineless manufacture of shoes. 2,471,696, May 31.
- Milde, Charles E.: *See*—
Sensand de Lavaud, Dimitri, and Milde.
- Milde, Norman H., Torrance, Calif. Electrical pulse regulator. 2,462,883, Mar. 1.
- Miles, Alfred M., Spartanburg, S. C. Lighting fixture. 2,486,754, Nov. 1.
- Miles, Donald L., Detroit, Mich., assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for preparing zinciferous surfaces for electroplating. 2,461,228, Feb. 8.
- Miles, Ernest C.: *See*—
Werner, Fred, and Miles.
- Miles, Frank G., Oakland, Calif. Power transmission. 2,480,193, Aug. 30.
- Miles, James, Los Angeles, Calif. Brush support. 2,492,390, Dec. 27.
- Miles Laboratories, Inc., assignee: *See*—
Schweiger, Leonard B., and Snell.
Snell, Raymond L., and Schweiger.
Woodward, John C., Snell, and Nicholls.
- Milewski, Leo A.: *See*—
Matson, Nathan R., and Milewski.
- Milford Rivet and Machine Company, assignee: *See*—
Caltham, Victor M.
- Milhaupt, Howard A., assignee: *See*—
Pandolfi, Albert.
- Milich, Vlada, Detroit, Mich. Caster. 2,490,879, Dec. 13.
- Mill, Alfred P., Coulsdon, England, now by judicial change of name A. P. M. Cochrane. Steering gear mechanism. 2,489,534, Nov. 29.
- Mill, Billy S., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft release mechanism. 2,475,978, July 12.
- Millar, Roland R., Massillon, assignor to Republic Steel Corporation, Cleveland, Ohio. Universal joint for mill drives. 2,460,648, Feb. 1.
- Millard, Edgar W., Elyria, Ohio. Gasoline turbine engine. 2,463,294, Mar. 1.
- Millard, Everett L., Highland Park, Ill. Supplying agents to the digestive tract. 2,483,098, Sept. 27.
- Millard, Glen E., assignor to Lactona Incorporated, St. Paul, Minn. Toothpick. 2,477,194, July 26.
- Millard, George E., Berkeley, Calif. Apparatus for plating journals of crankshafts. 2,473,290, June 14.
- Millard, Harper, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Electric switch construction. 2,465,654, Mar. 29.
- Millard, Irwin W., assignee: *See*—
Beatty, Elmer W.
- Millard, Laurence O.: *See*—
Davis, Nelson L., Ekblom, and Millard.
- Millard, Lee P., Chicago, Ill., assignor to International Harvester Company. Ensilage harvester. 2,491,196, Dec. 13.
- Millatt, Edwin G., assignor to Alginate Industries Limited (formerly known as Cefoil Limited), Maidenhead, England. Molding compositions comprising alginates. 2,488,135, Nov. 15.
- Millen, Edward L., Brookline, Mass. Screw driver having expanding screw holding bit. 2,472,673, June 7.
- Millendorf, Alfred J.: *See*—
Beck, Roland A., Sensel, and Millendorf.
- Miller, Albert E., Dayton, Ohio. Magnetic brake. 2,482,428, Sept. 20.
- Miller, Albert E., and W. H. Kellner, Green Bay, Wis. Air heating and humidifying gas burning furnace. 2,487,720, Nov. 8.
- Miller, Albert O., Jr., San Gabriel, Calif. Map-displaying easel and container support. 2,466,462, Apr. 5.
- Miller, Albert R., Hialeah, Fla. Automatic sequentially operated washing machine. 2,486,668, Nov. 1.
- Miller, Albertus, assignee: *See*—
Brasington, John J. and R. T.
- Miller, Alfred B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Hot bearing detector and self-checking electrical apparatus for the control thereof. 2,478,000, Aug. 2.
- Miller, Alfred B., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Hot bearing detector. 2,486,753, Nov. 1.
- Miller, Alfred J.: *See*—
Thompson, Ivan P., and Miller.
- Miller, Alfred L.: *See*—
Weisber, Samuel M., Stimpson, and Miller.
- Miller, Alfred L., Liberty, Mo., assignor to Desert Gold Feed Company. Grain conveyer system. 2,481,860, Sept. 13.
- Miller, Alvin D., Cuyaboga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of rubberlike copolymer of 1,3-butadiene and styrene which contains amine activator. 2,476,822, July 19.
- Miller, Anna W., Los Angeles, Calif. Removing alcohol-soluble stains from fabrics. 2,466,039, Apr. 5.
- Miller, Anthony J., Freeman, S. Dak. Manicure set. 2,460,522, Feb. 1.
- Miller, Arthur E., and G. K. Viall, Milwaukee, and R. F. Lindow, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Apparatus for constructing vibration-compacted concrete slabs. 2,461,500, Feb. 8.
- Miller, Arthur E., and E. A. C. Eickstaedt, assignors to Chain Belt Company, Milwaukee, Wis. Road building machine. 2,481,679, Sept. 13.
- Miller, Arthur J., Oak Ridge, Tenn., and G. M. Armstrong, Providence, R. I., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Precipitation of ammonium diuranate. 2,466,118, Apr. 5.
- Miller, Arthur R., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Generation of monomeric formaldehyde gas from formaldehyde polymers. 2,460,592, Feb. 1.
- Miller, August E., Cliffside Park, N. J. Crystal electrode. 2,487,165, Nov. 8.
- Miller, Benjamin, Andover, Mass. Bird retriever. 2,471,231, May 24.
- Miller, Benjamin, Bronx, N. Y. Apparatus for the erection of concrete buildings. 2,492,171, Dec. 27.
- Miller, Bernard M., Sheffield, England. Carving fork. 2,487,166, Nov. 8.
- Miller Bros. Hat Co. Inc., assignee: *See*—
Press, Morris.
- Miller, Bruce D., assignor to The Girdler Corporation, Louisville, Ky. Processing of starch pastes. 2,481,436, Sept. 6.
- Miller, C. Roy, assignee: *See*—
Ekleberry, James F.
- Miller, Camillo, Hamilton, Ontario, Canada. Vacuum cleaner. 2,473,066, June 14.
- Miller, Carl F., Summit, assignor to National Union Radio Corporation, Orange, N. J. Electron tube and heater type cathode therefor. 2,459,086, Jan. 11.
- Miller, Carl H., Arlington, Va., and W. S. Wilks, Trenton, N. J. Magnetic hand pickup tool. 2,471,764, May 31.
- Miller, Carlton W.: *See*—
Hutchinson, Franklin B., Miller, and Thompson.
- Miller, Carlton W., and N. B. Nichols, assignors to Taylor Instrument Companies, Rochester, N. Y. Measuring system and saturable reactor for use therein. 2,472,980, June 14.
- Miller, Carroll E., and J. M. Ingalls, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Multiple spindle lathe. 2,471,074, May 24.
- Miller, Charles B., St. Albans, and F. H. Bratton, Floral Park, N. Y., assignors to Allied Chemical & Dye Corporation. Disproportionation of fluoro-halogeno derivatives of methane in presence of aluminum fluoride. 2,478,201, Aug. 9.
- Miller, Charles B., St. Albans, and F. H. Bratton, Floral Park, N. Y., assignors to Allied Chemical & Dye Corporation. Manufacture of 1,1,1-trifluoroethane. 2,478,932, Aug. 16.
- Miller, Charles D., Davenport, Iowa. Power-driven hand hacksaw. 2,457,829, Jan. 4.
- Miller, Charles E., assignor to Time Oil Co., Seattle, Wash. Disposal receptacle. 2,458,863, Jan. 11.
- Miller, Charles F., Delaware County, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing cellulose ester material with acid and direct dyes. 2,468,940, May 3.
- Miller, Charles F., Denver, Colo. Post puller. 2,472,305, June 7.
- Miller, Charles F., assignor to Price Electric Corporation, Frederick, Md. Core for electromagnets. 2,482,860, Sept. 27.
- Miller, Charles F., assignor to Price Electric Corporation, Frederick, Md. Polarized electromagnetic relay. 2,483,658, Oct. 4.
- Miller, Charles F., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Link-and-link machine. 2,465,465, Mar. 29.
- Miller, Charles J., Jr., Moylan-Rose Valley, and B. E. Sorenson, Drexel Hill, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing ketenes. 2,465,337, Mar. 29.
- Miller, Charles L., Altoona, Pa. Hand brake lever controlled door locking device. 2,472,915, June 14.
- Miller, Charles P., Bingley, assignor to Keighley Laboratories Limited, Keighley, England. Combined screening and air separation of pulverulent material. 2,477,935, Aug. 2.
- Miller, Charles W., Sale, England, assignor to General Electric Company. Radar display system. 2,479,953, Aug. 23.
- Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Audible electric signaling apparatus. 2,465,111, Mar. 22.
- Miller, Christian, assignor to Edwards & Company, Inc., Norwalk, Conn. Audible signaling device. 2,465,655, Mar. 29.

- Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,382, June 7.
- Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Plug and receptacle construction. 2,475,149, July 5.
- Miller, Clarence A., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif. Horizontal oil burner of the tray type. 2,462,529, Feb. 22.
- Miller, Clarence W., Chicago, Ill. Combination safety chair and table. 2,461,123, Feb. 8.
- Miller, Clark O.: *See*—
Frutton, Carl F., Miller, and Craig.
- Miller, Clifford A., Cleveland, Ohio. Winding coils. 2,479,391, Aug. 16.
- Miller Company, The, assignee: *See*—
Beals, Gillson W., and Carulli.
De Lancey, Ralph W.
Naysmith, Shirley R.
Naysmith, Shirley R., and Runge.
Runge, Richard M.
- Miller, Donald B.: *See*—
Preston, William B., Cappelen, and Miller.
- Miller, Donald G., Reno, Nev. Pump. 2,484,387, Oct. 11.
- Miller, Donald J., assignor to American Anode Inc., Akron, Ohio. Meteorological balloon or similar article and making the same. 2,461,072, Feb. 8.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation. Electromagnetic pump. 2,461,501, Feb. 8.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,464,182, Mar. 8.
- Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Backfire circuit breaker. 2,474,487, June 28.
- Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter drive. 2,481,324, Sept. 6.
- Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,487,579, Nov. 8.
- Miller, Dustin Y.: *See*—
Seymour, George W., Elvin, and Miller.
Seymour, George W., and Miller.
- Miller, Earl C., McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation. Tuyere shield. 2,482,715, Sept. 20.
- Miller, Earle C., assignor to Riley Stoker Corporation, Worcester, Mass. Rocking bar grate and supporting means therefor. 2,481,938, Sept. 13.
- Miller, Edith M.: *See*—
Miller, Swift.
- Miller, Edward: *See*—
Young, John E., and Miller.
- Miller, Edward G., and R. E. Engberg, Clayton, assignors to Alco Valve Company, St. Louis, Mo. Motor operated valve. 2,482,199, Sept. 20.
- Miller, Edward G., and R. E. Engberg, Clayton, assignors to Alco Valve Company, Maplewood, Mo. Motor operated valve. 2,483,322, Sept. 27.
- Miller, Edward L., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Duplex valve. 2,479,177, Aug. 16.
- Miller, Edwin, Jeanette, Pa. Machine for applying rubber tire trends to carcasses. 2,473,067, June 14.
- Miller, Edwin A., Fairfield, Conn. Power transmission belt. 2,461,169, Feb. 8.
- Miller, Edwin A., Fairfield, Conn. Mechanism for sequential contact switches. 2,469,976, May 10.
- Miller, Edwin A., Fairfield, Conn. Self-locking mountable fastener member. 2,481,325, Sept. 6.
- Miller, Elden J., Arlington, Va. Liquid aerator and dispenser. 2,492,309, Dec. 27.
- Miller, Eldon F., assignor to Batavia Body Company, Incorporated, Batavia, Ill. Control for refrigeration apparatus. 2,467,398, Apr. 19.
- Miller Electric Manufacturing Co., assignee: *See*—
Mulder, Allen C.
- Miller, Elenor, Portland, Ore. Cushion for carriage return levers. 2,475,979, July 12.
- Miller, Elton W., Hampton, Va. Picture hanger. 2,488,925, Nov. 22.
- Miller, Emery P.: *See*—
Ransburg, Harold, and Miller.
- Miller, Emery P., Williams Creek, assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Method and apparatus for forming fibrous webs. 2,466,906, Apr. 12.
- Miller, Eric, Rose Bay near Sydney, New South Wales, Australia. Tripod head. 2,459,040, Jan. 11.
- Miller, Ernest C. C., Laurelton, N. Y. Hydraulic propulsion system for boats. 2,486,049, Oct. 25.
- Miller, Eugene D., Rahway, N. J., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Making tufted terry products. 2,486,963, Nov. 1.
- Miller, Floyd C., Los Angeles, Calif. Lawn trimmer. 2,483,292, Sept. 27.
- Miller, Frank, Chicago, Ill. Driven unit lubricating means. 2,468,339, Apr. 26.
- Miller, Frank A., assignor to Buffalo Machinery Company, Incorporated, Buffalo, N. Y. Stud driver. 2,458,622, Jan. 11.
- Miller, Frank A., Troy, N. Y. Grinding wheel dresser. 2,468,096, Apr. 26.
- Miller, Frank G.: *See*—
Dunn, Joseph A., and Miller.
- Miller, Frank G., Farmingdale, and L. S. Bogert, Richmond Hill, assignors to Republic Aviation Corporation, Farmingdale, N. Y. Spanner wrench with work-retaining loop. 2,472,716, June 7.
- Miller, Frank J., South Milwaukee; L. R. Miller, executrix of said F. J. Miller, deceased, assignor to Pressure-Jet Systems, Inc., Milwaukee, Wis. Conditioning apparatus for steam heating systems to remove scale, corrosion, etc. 2,465,387, Mar. 29.
- Miller, Fred F., Jr., Berkley, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Constant velocity universal joint. 2,473,036, June 14.
- Miller, Fred F., Jr., Berkley, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Shaft coupling. 2,480,039, Aug. 23.
- Miller, Fred F., Jr., Berkley, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Differential gearing. 2,490,146, Dec. 6.
- Miller, Fred T., Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Cloth feed control. 2,482,497, Sept. 20.
- Miller, Frederick H.: *See*—
Graft, Edwin C., and Miller.
- Miller, Frederick H., assignor of one-half to S. O. Pearson Portland, Ore. Slicer. 2,458,090, Jan. 4.
- Miller, George, Arcadia, assignor to Oil Base, Inc., Los Angeles, Calif. Oil base drilling fluid and mixing oil for the same. 2,475,713, July 12.
- Miller, George, Pawtucket, R. I. Moisturizer for carburetors. 2,482,200, Sept. 20.
- Miller, George F., Chicago, Ill. Chalk holder. 2,459,087, Jan. 11.
- Miller, Glenn H., Rochester, and J. A. Krumhansl, Penfield, N. Y., assignors to Stromberg-Carlson Company. Pulse length discriminator. 2,484,352, Oct. 11.
- Miller, Gordon H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Reduction of corrosive action of Friedel-Crafts type catalysts. 2,468,831, May 3.
- Miller, Harold C.: *See*—
Garand, John C., Cooper, Bird, and Miller.
- Miller, Harold J.: *See*—
Hubbert, Leslie S., and Miller.
- Miller, Harry, assignee: *See*—
Bates, Reginald E.
- Miller, Harry G., and O. C. Peterson, West Allis, Wis. Lateral motion cushioning device. 2,465,693, Mar. 29.
- Miller, Harry R., Grosse Pointe, Mich. Safety device for airplanes. 2,463,991, Mar. 8.
- Miller, Henry C.: *See*—
Gall, John F., and Miller.
- Miller, Henry C., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of crotyl methacrylate. 2,478,416, Aug. 9.
- Miller, Henry C., assignor to Eli Lilly and Company, Indianapolis, Ind. Vitamin compositions. 2,477,491, July 26.
- Miller, Herman P., Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electrical choke. 2,462,884, Mar. 1.
- Miller, Horace G.: *See*—
Wallace, Marcel, and Miller.
- Miller, Howard W., Durham, N. C. Load holding device. 2,476,753, July 19.
- Miller, I., & Sons, Inc., assignee: *See*—
Caltabiano, Robert, and Zellweber.
Perugia, André.
- Miller, Ida L., executrix: *See*—
Miller, Max C.
- Miller, Isador, New York, and A. L. Beiser, Jackson Heights, assignors to Gem Participations, Inc., New York, N. Y. Reclaiming plastic scrap. 2,470,361, May 17.
- Miller, Isador, New York, and W. G. Marquette, Pleasantville, assignors to G. Eisler, New York, N. Y. Photographic method of imprinting a design on globes. 2,491,386, Dec. 13.
- Miller, James: *See*—
Curtis, Richard J., and Miller.
- Miller, James T., assignor to The Kawneer Company, Niles, Mich. Glass setting for store fronts. 2,460,185, Jan. 25.
- Miller, James T., assignor to The Kawneer Company, Niles, Mich. Glass setting device. 2,460,391, Feb. 1.
- Miller, James T., assignor to The Kawneer Company, Niles, Mich. Sash construction. 2,485,758, Oct. 25.
- Miller, John A., Detroit, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. License plate holder. 2,481,437, Sept. 6.
- Miller, John B., Lewiston, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Polishing material. 2,489,307, Nov. 29.
- Miller, John H., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Combined ohmmeter and illumination meter. 2,471,001, May 24.
- Miller, John M., Summerdale, Ala. Tractor hitch. 2,478,591, Aug. 9.
- Miller, John M., Washington, D. C. Determining transmission line attenuation. 2,476,992, July 26.

- Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Forced air and gravity circulating heating apparatus. 2,470,571, May 17.
- Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Heater. 2,473,810, June 21.
- Miller, John W., and W. G. Smith, assignors to Motor Wheel Corporation, Lansing, Mich. Vaporizing type oil burner. 2,470,570, May 17.
- Miller, John W., and R. E. Fell, assignors to Motor Wheel Corporation, Lansing, Mich. Fuel feed control. 2,470,572, May 17.
- Miller, John W. H., Bala-Cynwyd, Pa. Unfired bonded ceramic articles and producing same. 2,460,761, Feb. 1.
- Miller, John Z., Hagerstown, Md. Rope holder. 2,470,316, May 17.
- Miller, John Z., assignor to A. Jacobson, Hagerstown, Md. Fishing reel and rod holder. 2,475,193, July 5.
- Miller, Josef H., Seattle, Wash. Marine propeller device. 2,473,603, June 21.
- Miller, Joseph B., assignor of fifty per cent to K. G. Miller, Natchez, Miss. Light bulb stem and socket. 2,462,530, Feb. 22.
- Miller, Joseph C., Compton, Calif., assignor to Coast Envelope & Leather Products Company. Vanity case. 2,479,854, Aug. 23.
- Miller, Joseph C., Compton, Calif., assignor to Coast Envelope & Leather Products Company. Filler retaining device for binder covers. 2,488,823, Nov. 22.
- Miller, Joshua, Drexel Hill, Pa. Parachute rip cord and rip cord housing. 2,491,511, Dec. 20.
- Miller, Joshua, Drexel Hill, Pa., B. L. Kauffman, Collingswood, N. J., and J. T. Truelsen, Philadelphia, Pa. Parachute harness. 2,475,631, July 12.
- Miller, Julius, and E. A. Markush, Newark, N. J., assignors to Pharma Chemical Corporation, New York, N. Y. Metallociferous azoic dyes. 2,491,928, Dec. 20.
- Miller, Karl, Detroit, Mich. Lock for closures. 2,473,065, June 14.
- Miller, Karl H., North Canton, assignor to Diebold, Incorporated, Canton, Ohio. Wall panel joint construction. 2,472,981, June 14.
- Miller, Karl H., North Canton, and R. R. Magaw, assignors to Diebold, Incorporated, Canton, Ohio. Metal door construction. 2,482,592, Sept. 20.
- Miller, Katherine G., assignee: *See*—
Miller, Joseph B.
- Miller, Kay, New Brunswick, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Pencil with body of convoluted wound paper. 2,469,049, May 3.
- Miller, Kurt R., Flagstaff, Ariz. Collapsible garment hanger. 2,488,219, Nov. 15.
- Miller, Lawrence F.: *See*—
Hess, Frederic O., Miller, and Dietrich, Jr.
- Miller, Leonidas C.: *See*—
Jones, George D., and Miller.
- Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Middle River, Md. Oil temperature control. 2,483,291, Sept. 27.
- Miller, Lewis B., Ambler, and W. R. Seipt, North Wales, assignors to Keasbey & Mattison Company, Ambler, Pa. Method of forming heat insulation. 2,486,050, Oct. 25.
- Miller, Lillian R., executrix: *See*—
Miller, Frank J.
- Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,468,222, Apr. 26.
- Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,478,542, Aug. 9.
- Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe-positioning and holding means. 2,486,535, Nov. 1.
- Miller, Lloyd G., and E. W. Stacey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rate control device. 2,487,256, Nov. 8.
- Miller, Logan C.: *See*—
Sorensen, Charles E., and Miller.
- Miller, Lucienne, New York, N. Y. Flexible-reversible footwear with hidden seams. 2,490,916, Dec. 13.
- Miller Manufacturing Company, assignee: *See*—
Bates, Reginald E.
- Miller, Marvin M., assignee: *See*—
Bates, Reginald E.
- Miller, Mary D., assignee: *See*—
Davis, Daniel E.
- Miller, Maurice F., Latham, N. Y. Electrode. 2,468,221, Apr. 26.
- Miller, Max C., Cumberland, R. I.; I. L. Miller, executrix of said M. C. Miller, deceased. High-speed drive for twisting spindles. 2,488,311, Nov. 15.
- Miller, Max C., Cumberland, R. I.; I. L. Miller, executrix of said M. C. Miller, deceased. Manufacture of knitted hosiery. 2,489,653, Nov. 29.
- Miller, Mike A., and W. E. Haupin, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Coated aluminum welding rods. 2,480,498, Aug. 30.
- Miller, Milo F., Kansas City, Mo. Electric striker system for chimneys. 2,470,827, May 24.
- Miller, Monroe E., Washington, D. C. Electrical accumulation. 2,486,964, Nov. 1.
- Miller Motor Company: *See*—
Flick, Francis S.
- Miller, Myron C., Seattle, Wash. Fish lure. 2,461,755, Feb. 15.
- Miller, Neville F., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Phosphorescent pigment. 2,458,286, Jan. 4.
- Miller, Neville F., Palmerton, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. VII type phosphor. 2,485,903, Oct. 25.
- Miller, Ohmer R., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency control system. 2,477,076, July 26.
- Miller, Oliver B., Columbus, Nebr. Knife and tool grinder. 2,477,075, July 26.
- Miller, Oran E., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States Atomic Energy Commission. Dispensing nozzle. 2,492,365, Dec. 27.
- Miller, Paul T., Byron, Mich. Trailer hitch. 2,481,139, Sept. 6.
- Miller, Pharis, Mountainside, N. J., assignor to Standard Oil Development Company. Diesel fuel. 2,481,859, Sept. 13.
- Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.
- Wahl, Albert J., and Croninger.
- Miller Printing Machinery Co., assignee: *See*—
Saul, August A.
- Miller, Ralph S., New Barnet, assignor to R. H. Windsor, London, England. Engraving machine. 2,477,999, Aug. 2.
- Miller, Raphael W., Jackson, Mich. Combination center and center drill. 2,481,939, Sept. 13.
- Miller, Raymond E., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Apparatus for controlling the selective operation of clutches. 2,464,986, Mar. 22.
- Miller, Raymond J., Detroit, Mich. Ignition circuit. 2,461,293, Feb. 8.
- Miller, Raymond J., assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid coupling. 2,473,809, June 21.
- Miller, Richard A., assignee: *See*—
Avery, Maurice R.
- Miller, Robert A., Knoxville, Tenn. Fishing plug retriever. 2,467,269, Apr. 12.
- Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 2,458,621, Jan. 11.
- Miller, Robert G., Dalton, Ga. Clutch and brake for sewing machines or the like. 2,489,584, Nov. 29.
- Miller, Robert H.: *See*—
Erickson, Ingemar, and Miller.
- Miller, Robert W., Denver, Colo. Hose ferrule clamping machine. 2,483,659, Oct. 4.
- Miller, Roman R.: *See*—
Burgess, David S., Ramskill, and Miller.
- Schechter, William H., and Miller.
- Miller, Roman R., Silver Spring, Md., and W. H. Schechter, Jemore, Kans. Breather valve. 2,486,427, Nov. 1.
- Miller, Ross J., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blast-initiator. 2,478,415, Aug. 9.
- Miller, Roy G., Tacoma, Wash. Theft-proof light socket. 2,489,717, Nov. 29.
- Miller, Rudolph, assignee: *See*—
Harris, George W.
- Miller, Rudolph G., Rochester, and G. Mountjoy, Canadagua, N. Y., assignors to Stromberg-Carlson Company. Tone control arrangement with indicators. 2,492,310, Dec. 27.
- Miller, Samuel A., Sponden, near Derby, England, assignor to Celanese Corporation of America. Purification of hydrocarbon mixtures containing olefines and diolefines. 2,478,299, Aug. 9.
- Miller Spreader Corporation, assignee: *See*—
Andrews, Edward F.
- Miller, Stanley L., Hincley, England. Electrical musical instrument. 2,473,897, June 21.
- Miller, Stanley S., Boston, Mass. Admissions indicator. 2,487,463, Nov. 8.
- Miller, Stephan, Wilkinsburg, and P. A. Pontius, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact construction. 2,476,886, July 19.
- Miller, Swift, Milwaukee, Wis.; E. M. Miller, executrix of said S. Miller, deceased, assignor, by decree of distribution to E. M. Miller. Fuse-plug type circuit breaker. 2,461,338, Feb. 8.
- Miller, Theodore E., Detroit, Mich. Self-adjusting hydraulic brake mechanism. 2,474,749, June 28.
- Miller, Theodore H.: *See*—
Friday, Paul D., and Miller.
- Miller, Theodore J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sanding pad. 2,491,510, Dec. 20.
- Miller, Tobias, Cleveland Heights, Ohio. Electrical motor and dynamo brush. 2,473,540, June 21.
- Miller, Verle A.: *See*—
Lovell, Wheeler G., Miller, Mulligan, and Lichtenwalner.
- Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch bank coating machine. 2,483,733, Oct. 4.

- Miller, Waldo S.: *See*—
Bobo, Mildred E., and Miller.
- Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Record changer gear and trip mechanism. 2,487,771, Nov. 8.
- Miller, Walter C., Frankfort, Ill. Inflatable toy airplane. 2,476,678, July 19.
- Miller, Walter E., New Orleans, La. Gate valve. 2,475,712, July 12.
- Miller, Walter H., Danville, Iowa. Brake actuator. 2,485,759, Oct. 25.
- Miller, Walter J., South Bend, Ind. Bed heater. 2,472,224, June 7.
- Miller, Warren S.: *See*—
Knox, William H., Jr., Cochran, Crudup, and Miller.
- Miller, Wavland R., Whitefish Bay, and H. E. Malone, assignors to Perfex Corporation, Milwaukee, Wis. Barometric damper. 2,489,308, Nov. 29.
- Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Flow control device. 2,460,647, Feb. 1.
- Miller, Wilber B., Great Neck, N. Y., assignor to The Linde Air Products Company. Argon-gas-blanketed alternating electric current arc welding aluminum and the alloys thereof with a tungsten electrode and superimposed high-frequency high-voltage electric current. 2,475,357, July 5.
- Miller, Wilbur H., Springdale, and R. O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Pantoyltauramides and preparation of the same. 2,459,111, Jan. 11.
- Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency thermocouple for concentric lines. 2,485,904, Oct. 25.
- Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency thermocouple for wave guides. 2,485,905, Oct. 25.
- Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio receiving and indicating system. 2,488,022, Nov. 15.
- Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electronic indicator system. 2,488,136, Nov. 15.
- Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying. 2,491,387, Dec. 13.
- Miller, William A., Port Jefferson, and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Radio detection and location system indicating azimuth and elevation. 2,470,939, May 24.
- Miller, William J., Inglewood, Calif. Hanger bracket device. 2,468,992, May 3.
- Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for making undercut ware. 2,489,797, Nov. 29.
- Miller, William J., Pittsburgh, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for pottery appendaging. 2,489,798, Nov. 29.
- Miller, William J., assignor to Elliott Bay Mill Co., Seattle, Wash. Roller pressure bar for veneer lathes. 2,473,541, June 21.
- Miller, William J., Spring Grove, Pa. Pasteurizing and cooling apparatus. 2,489,043, Nov. 22.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for manufacturing pottery ware. 2,468,404, Apr. 26.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Pottery ware transferring machine. 2,468,405, Apr. 26.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Method and apparatus for making high-grade pottery ware. 2,481,326, Sept. 6.
- Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for feeding clay to pottery molds. 2,486,051, Oct. 25.
- Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for feeding plastic ceramic material to molds in the manufacture of pottery ware. 2,489,796, Nov. 29.
- Miller, William J., Youngstown, Ohio. Saddle cap type truck hitch. 2,488,023, Nov. 15.
- Miller, William P.: *See*—
Wood, Lawrence A., Jr., and Miller.
- Miller, William W., Evansville, Ind. Automatic choke control. 2,479,392, Aug. 16.
- Miller Wrapping and Sealing Machine Company, assignee: *See*—
Sumida, Kunio A.
- Millers Falls Company, assignee: *See*—
Collura, Francesco.
- Millham, Theodore F., Beloit, Wis. Chamfering tool. 2,461,431, Feb. 8.
- Millican, Bill C.: *See*—
Millican, Charles M. and B. C.
- Millican, Charles M. and B. C., Grapevine, Tex. Utility handling hook. 2,488,312, Nov. 15.
- Millidge, Alfred F.: *See*—
Wormell, R. L., and Millidge, and Knight.
- Millidge, Alfred F., Coventry, and C. L. Knight, Kenilworth, assignors to Courtaulds Limited, London, England. Stabilized alkaline vegetable protein solutions. 2,459,952, Jan. 25.
- Millien, Albert: *See*—
Fawcett, Eric W. M., Narracott, and Millien.
- Milligan, Joseph H., Framingham, Mass. Door lock. 2,482,926, Sept. 27.
- Milligan, Lawrence D., Lake Forest, Ill. Broiler. 2,473,658, June 21.
- Milligan, Lowell H., and R. H. Lombard, assignors to Norton Company, Worcester, Mass. Diamond abrasive wheel. 2,479,078, Aug. 16.
- Milliken, Humphreys, Mount Royal, Quebec, Canada. Apparatus for converting heat energy into useful work. 2,459,447, Jan. 18.
- Milliken, Owen J., Davenport, Wash. Adjustable drive mechanism for tractors. 2,458,400, Jan. 4.
- Milliken, Thomas H., Jr.: *See*—
Shabaker, Hubert A., and Milliken, Jr.
- Milliken, Thomas H., Jr., Moylan, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of gel catalysts. 2,487,065, Nov. 8.
- Milliken, Thomas H., Jr., Chester, and G. A. Mills, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Silica-zirconia catalyst and preparation thereof. 2,477,638, Aug. 2.
- Millikin, Arnold S.: *See*—
Mandt, Obert G., and Millikin.
- Millikin, Arnold S., assignor to The Jaeger Machine Company, Columbus, Ohio. Leveling means or mechanism for road surfacing machines. 2,491,275, Dec. 13.
- Millington, John W., and W. H. Stewart, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Tube testing apparatus. 2,470,828, May 24.
- Millis, Keith D., Rahway, A. P. Gagnebin, Red Bank, and N. B. Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Cast ferrous alloy. 2,485,760, Oct. 25.
- Millis, Keith D., Rahway, A. P. Gagnebin, Red Bank, and N. B. Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Gray cast iron having improved properties. 2,485,761, Oct. 25.
- Millis, Lansing, Ben Avon, Pa., assignor to American Bridge Company. Machine for flame-cutting circles. 2,463,408, Mar. 1.
- Millns, Terence W., assignor to Rotax Limited, London, England. Screw and nut mechanism. 2,468,506, Apr. 26.
- Millray, Robert, Santa Monica, Calif. Bicycle brake. 2,481,327, Sept. 6.
- Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record perforating machine. 2,484,111, Oct. 11.
- Mills, Albert W., and F. J. Furman, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled ticket printing machine. 2,487,357, Nov. 8.
- Mills, Ballinger, Jr.: *See*—
Long, Chester C.
- Mills, Bernard J., Cudahy, Wis. Lunch box. 2,465,910, Mar. 29.
- Mills, Burton L.: *See*—
Lapsley, Robert and Mills.
- Mills, Byron E., Detroit, Mich. Solenoid operated dice agitating game device. 2,481,680, Sept. 13.
- Mills, Charles E.: *See*—
Effros, Milton, and Mills.
- Mills, Charles L., Jr.: *See*—
Mowry, David T., and Mills.
- Mowry, David T., and Mills, Jr.
- Mills Engineering Company, assignee: *See*—
Mills, Herbert E.
- Mills, George A.: *See*—
Milliken, Thomas H., Jr., and Mills.
- Shabaker, Hubert A., Mills, and Denison.
- Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Activating kaolin clay. 2,477,639, Aug. 2.
- Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbons. 2,485,626, Oct. 25.
- Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbons. 2,487,824, Nov. 15.
- Mills, George A., Ridley Park, and E. B. Cornelius, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Preparation of an iron-freed acid-treated kaolin catalyst. 2,489,309, Nov. 29.
- Mills, Gordon F., assignor to Chemical Process Company, San Francisco, Calif. Treatment of sugar-bearing solutions. 2,481,768, Sept. 13.
- Mills, Herbert E., assignor, by mesne assignments, to Mills Engineering Company, Detroit, Mich. Panel and fastener assembly. 2,459,953, Jan. 25.
- Mills, Herbert E., assignor to Mills Engineering Company, Detroit, Mich. Gas cock handle. 2,491,999, Dec. 20.
- Mills, Howard, assignor to The Denison Engineering Company, Columbus, Ohio. Two-hand control. 2,473,167, June 14.
- Mills, Irwin F., assignee: *See*—
Dirand, Louis J.
- Mills, Irwin F., Associates, assignee: *See*—
Beder, Samuel L.
- Mills, John E., East Orange, assignor to Excel Automatic Products, Inc., Newark, N. J. Automatic drill press. 2,462,327, Feb. 22.

- Mills, King L., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic hydrocarbon conversion. 2,485,906, Oct. 25.
- Mills, Paul R.: *See—*
Carlisle, Willis C., and Mills.
- Mills, Robert E., Colton, Calif. Table base or support. 2,478,118, Aug. 2.
- Mills, Robert V., M. G. Clarke, and H. R. Ruff, Rugby, England, assignors to General Electric Company. Starting and operating circuits for electric discharge devices. 2,462,328, Feb. 22.
- Mills, Stanley T., Highland Park, Mich. Violin rest. 2,489,101, Nov. 22.
- Mills, Will R. S., Crystal, Okla. Primer and idler. 2,458,999, Jan. 11.
- Mills, William L., Keene, N. H., and F. W. Kruger, Worcester, assignors to Sealed Seam Welt Process, Inc., Boston, Mass. Shoe with sole edge binding and welt. 2,460,262, Jan. 25.
- Millson, Henry E., Plainfield, and S. Mooradian, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Dyeing with metallized dyes. 2,470,080, May 10.
- Millsbaugh, Cedric E., Westlake, Ohio, assignor to Union-National, Inc., Jamestown, N. Y. Extension table. 2,482,358, Sept. 20.
- Millstein, Jacob H., Jeannette, Pa. Candy containing horn novelty. 2,490,368, Dec. 6.
- Milnar, Belle A., assignee: *See—*
Schroeder, Oscar W.
- Milne, Claude S., Los Angeles, Calif., V. M. Milne, executrix of said Claude S. Milne, deceased. Wind deflecting wing for window openings. 2,477,888, Aug. 2.
- Milne, John C., assignor to The Electric Construction Company Limited, Wolverhampton, England. Supply equipment for electric arcs. 2,471,641, May 31.
- Milne, Verne M., executrix: *See—*
Milne, Claude S.
- Milner, Arthur E. P., assignor to Swift Tennis Ball Company Proprietary Limited, Melbourne, Victoria, Australia. Appliance for molding hollow rubber balls and the like. Re. 25,176, Nov. 29.
- Milner, Duncan C.: *See—*
Prettyman, Irven B., Bosomworth, and Milner.
- Milnor, Joseph W., Maplewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Means and method for switching of telegraph messages. 2,472,608, June 7.
- Miloch, Herman A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiring device. 2,471,970, May 31.
- Milone, Charles R., assignor to Wingfoot Corporation, Akron, Ohio. Beta-cyano vinyl acetic acid esters. 2,469,836, May 10.
- Milprint, Inc., assignee: *See—*
Billeb, Clyde K.
Rosen, Shy.
Zweig, Samuel.
- Milsteel Products Co., assignee: *See—*
Busch, Fred.
Witzel, Ernst.
- Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake testing device. 2,472,541, June 7.
- Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake testing device. 2,486,965, Nov. 1.
- Milster, Arthur N., St. Louis, Mo., assignor to Wagner Electric Corporation. Selective operation of systems by a unit cylinder. 2,473,168, June 14.
- Milton, Clare L., Jr., Akron, Ohio, and C. A. Nielson, Tacoma Park, Md., assignors to the United States of America as represented by the Secretary of the Army. Making molds. 2,476,993, July 26.
- Milton, Clare L., Jr., Akron, Ohio, and C. A. Nielson, Tacoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army. Process for making molds. 2,476,994, July 26.
- Milwaukee Chaplet & Mfg. Co., assignee: *See—*
Selke, Otto H.
- Milwaukee Electric Tool Corporation, assignee: *See—*
Ristow, Edward W.
- Milwaukee Gas Specialty Company, assignee: *See—*
Hildebrecht, Charles V.
Marvin, Philip R.
Matson, Leroy A.
Mueller, Robert W.
Thornbery, John H.
- Milwaukee Lace Paper Company, assignee: *See—*
Hamilton, Kenneth C.
- Milwaukee Printed String Company, Inc., assignee: *See—*
Dumbleton, Paul K.
- Milwaukee Thread Rolling Company, assignee: *See—*
Neumann, Arthur E.
- Milwhite Company, Incorporated, The, assignee: *See—*
Lindsey, Benjamin S.
- Milwitt, William: *See—*
Schoenfeld, Earl H., and Milwitt.
- Mimopoulos, Nicholas C., Berkeley, Calif. Multiple propeller drive. 2,474,855, July 5.
- Minarcik, John A., Jr., Phoenixville, Pa. Curtain or drape assembly. 2,476,887, July 19.
- Minarik, Rudolf G., Neenah, Wis., and W. L. Ryman, Pittsburgh, Pa. Abrasive and buffing belt. 2,483,293, Sept. 27.
- Minasola, John A., Grand Rapids, Mich. Mechanism for converting bolt action rifles to pump actuated rifles. 2,479,393, Aug. 16.
- Minchin, Cecil W. H., assignor to Mawdsley's Limited, Dursley, England. Dynamoelectric machine. 2,469,662, May 10.
- Mincieli, Victor J., Astoria, Long Island, N. Y. Metal spraying plaster of Paris articles. 2,467,046, Apr. 12.
- Minco Products Corp., assignee: *See—*
Minkow, Robert.
- Minder, Fred: *See—*
Dethlefs, Walter M., and Minder.
- Mindler, Albert B., Yardley, Pa., assignor to The Permutit Company, New York, N. Y. Operation of ion exchange beds. 2,466,662, Apr. 5.
- Mine Safety Appliances Company, assignee: *See—*
Campbell, Edmund M.
Dauster, John F.
Jackson, Carey B., and Werner.
Jacobson, Moses G.
Nelms, George C.
Ray, Kenneth B., and Yant.
Strange, John P., and Yant.
- Mine and Smelter Supply Company, The, assignee: *See—*
Adams, James A.
- Minck, William, North Olmsted, Ohio. Multiple spindle head. 2,492,391, Dec. 27.
- Miner, Donald B.: *See—*
Kretsch, Hans W., and Miner.
- Miner, James B., Portland, Ore. Acetylene cutting torch and guide. 2,483,294, Sept. 27.
- Miner, John D., Jr., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,484,237, Oct. 11.
- Miner, Robert G.: *See—*
Ringquist, Clarence L., and Miner.
- Miner, Samuel S., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Vulcanizing mechanism. 2,484,419, Oct. 11.
- Miner, W. H., Inc., assignee: *See—*
Dath, George E.
Dentler, Arnold E.
Dentler, Arnold E., and Dath.
Evans, Jack O.
Gadbois, Lewis F.
Haseltine, Stacy B.
Lehman, Edward H.
Link, John H.
Lounsbury, Harvey J.
Marquardt, Leonard A.
Meyer, Otto F., Schmidt, Owens, and Miner, Jr.
Olander, Roland J.
- Minerals Beneficiation, Incorporated, assignee: *See—*
Walker, Godfrey B., and Swainson.
- Minerals Separation North American Corporation, assignee: *See—*
Duke, James B.
Greene, Ernest W., and Duke.
Schilling, Karl F.
- Minerva Wax Paper Company, assignee: *See—*
Gluck, Fred C.
- Minich, Arthur, Westfield, N. J., and M. Nowak, Brooklyn, N. Y., assignors to Nuodex Products Co., Inc., Elizabeth, N. J. Long-chain amine salts as fungicides and bactericides. 2,471,339, May 24.
- Mining Process and Patent Company, assignee: *See—*
Finney, John H. V.
Logue, Leland H.
- Mining Safety Device Company, The, assignee: *See—*
Merritt, Glenn W.
- Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See—*
Candeland, Harold, and Hass.
De Boer, Jan H., and Van Ormondt.
Edwards, Charles P.
Haworth, Walter N., and Stacey.
Main-Smith, John D., Dodd, Sim, Lyon, Hillier, and Earwicker.
Oxford, Alan J. H.
- Minit-Man, Inc., assignee: *See—*
Rousseau, Leo J.
- Minix, William A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Air gauge for checking internal threads. 2,477,889, Aug. 2.
- Mink, Leon D.: *See—*
Urbain, Walter M., and Mink.
- Minkler, Chester T., Newport, R. I. Torpedo exploding mechanism. 2,462,118, Feb. 22.
- Minkow, Robert, assignor to Minco Products Corp., New York, N. Y. Gluing machine. 2,461,388, Feb. 8.
- Minlon, Huang, Cambridge, Mass., assignor to Merck & Co., Inc., Rahway, N. J. Reducing carbonyl compounds to their corresponding methylene analogues. 2,471,697, May 31.

Minneapolis-Honeywell Regulator Company, assignee:

See—

- Allwein, Aloysius F.
 Aske, Leonard E.
 Baak, Albert E.
 Bancroft, John W.
 Barnes, George W., Jr.
 Barnes, George W., Jr., and Booth.
 Berkholder, George H.
 Bishofberger, Carl J.
 Black, John B.
 Borell, George L.
 Borell, George L., and Taylor.
 Burdick, Edwin C.
 Caldwell, John A., Wannamaker, Jr., and Kuntny.
 Carns, Vernon J.
 Cherry, Lloyd B.
 Chudyk, Alex B.
 Considine, Douglas M.
 Crum, Stephen.
 Dahline, Lawrence J.
 Eckman, Donald P.
 Eckman, Donald P., and Wannamaker.
 Ehret, Robert J.
 Ergen, William K.
 Field, William J.
 Folsom, Stanley R.
 Gess, Louis.
 Gilbertson, Ralph E.
 Gille, Willis H.
 Goehring, Francis R.
 Griffith, Le Roy A.
 Gryce, Edwin C.
 Harrison, Thomas R., and Wills.
 Hartig, Henry E.
 Isserstedt, Siegfried G.
 Jenkins, George F.
 Joesting, Frederick D.
 Kliever, Waldo H.
 Kronmiller, Carl G.
 Kutzler, Robert J.
 Kutzler, Robert J., and Wilson.
 Laing, Marvin R.
 Lindesmith, John L.
 Luckins, William J.
 Ludwig, Merle R.
 McGrath, William L.
 Moxness, Sven K.
 Newton, Alwin B.
 Osborn, Arthur S.
 Rosche, John O.
 Schafer, Curtiss R.
 Schoepel, John F.
 Shivers, Paul F.
 Slide, Frederick W.
 Smith, Edgar M.
 Spangenberg, Charles B.
 Sparrow, Hubert T.
 Sparrow, Hubert T., and Baak.
 Sparrow, Hubert T., and Kutzler.
 Stanton, Leonard.
 Taylor, Daniel G.
 Thuney, Francis M.
 Vollrath, Joseph P.
 Wannamaker, William H., Jr.
 Wild, Rudolf F.
 Wild, Rudolf F., and Stanton.
 Wills, Walter P., and Stanton.
 Wilson, John M.
 Wilson, John M., and Cyr.
- Minneapolis-Moline Company, assignee: See—
 Korsmo, Alfred, and Ronning.
 Ronning, Martin, and Keith.
 Seaholm, John P.
 Seaholm, John P., and Molander.
- Minneci, Salvatore: See—
 Blume, Louis F., and Minneci.
- Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Interphase winding and ratio adjuster switching arrangement for polyphase transformers. 2,484,576, Oct. 11.
- Minneman, Milton J.: See—
 McLamore, John T., Minneman, and Dunn.
- Minnesota Mining & Manufacturing Company, assignee: See—
 Borden, John A.
 Chmiel, Eugene M.
 Davis, Edward P., and Heltzer.
 Ebel, Clarence J., and Drew.
 Gipple, Donald C., and Sindt.
 Herchenrider, Henry R.
 Hoover, Howard L.
 Lindsay, Seth B.
 Miller, Theodore J.
 Mohr, Wilfred J.
 Simons, Joseph H.
 Taylor, Nelson W., and Murray.
- Minnesota and Ontario Paper Company, assignee: See—
 Budreau, John L.
 McGregor, George H.
- Minnich, Stehman S., assignor to The Patrol Valve Company, Cleveland, Ohio. Thermostatic switch. 2,460,762, Feb. 1.

- Minor, Charles G., assignor of one-half to A. G. McCaleb, Evanston, Ill. Refrigerator. 2,490,535, Dec. 6.
- Minor, John M., Waleria, Calif. Sheet metal forming brake. 2,486,428, Nov. 1.
- Minshall, Burton, Brattleboro, Vt. Musical vibration translating unit. 2,462,531, Feb. 22.
- Minshall, Robert J., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Engaging impellers pump. 2,487,721, Nov. 8.
- Minshall, Robert J., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Inflatable ice removing apparatus for aircraft. 2,489,799, Nov. 29.
- Minshull, Oliver W.: See—
 Mann, Walter N., and Minshull.
- Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing water-soluble polyacrylamide. 2,469,696, May 10.
- Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Ester-lactones of isopropenyl acetate heteropolymers. 2,481,769, Sept. 13.
- Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing quaternized salts of resinous organic polymers containing a basic tertiary nitrogen atom. 2,484,420, Oct. 11.
- Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Imidized polyacrylamides. 2,486,190, Oct. 25.
- Minsk, Louis M., W. O. Kenyon, and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. Polymerizing acrylamide. 2,486,191, Oct. 25.
- Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Gel-type imidized polyacrylamide. 2,486,192, Oct. 25.
- Minster Machine Company, The, assignee: See—
 Wissman, Reuben E.
- Minter, Evelyn R., assignee: See—
 McKinney, Horace C.
- Minter, Herbert F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resins and conductors insulated therewith. 2,462,209, Feb. 22.
- Minter, Jerry B., 2nd, Mountain Lakes, assignor to Measurements Corporation, Boonton, N. J. Electric filter. 2,491,681, Dec. 20.
- Minter, Marvin J., Detroit, Mich. Vehicle mounted gun and periscope mounting therefor. 2,466,725, Apr. 12.
- Minton, Leslie A., Portland, Oreg. Float leaf carrier and bookmark. 2,490,147, Dec. 6.
- Minton, Wylve T., Point Pleasant, W. Va. Fluorescent light fixture. 2,466,463, Apr. 5.
- Minukas, Alfred, assignee: See—
 Nissen, Henry.
- Minute Skid Chain Corporation, assignee: See—
 Lindenthaler, Charles J.
- Minuto, Octavius J., Philadelphia, Pa. Taper measuring instrument. 2,472,306, June 7.
- Miollis, Raymond, Maywood, Ill. Pressing cheese. 2,492,878, Dec. 27.
- Mirando, Michael A., assignor to Imperial Knife Company, Inc., Providence, R. I. Making knife handles. 2,476,995, July 26.
- Mirando, Michael A., assignor to Imperial Knife Company, Inc., Providence, R. I. Knife. 2,479,855, Aug. 23.
- Mirasson, Clovis T., Los Gatos, Calif. Venting bung. 2,468,340, Apr. 26.
- Mirrlees Watson Company Limited, The, assignee: See—
 Bach, Niels B.
- Mirti, Joseph, Cleveland, Ohio. Foot measuring device. 2,477,817, Aug. 2.
- Misch, Herbert L., Ferndale, assignor to Packard Motor Car Company, Detroit, Mich. Gearing. 2,485,503, Oct. 18.
- Misener, Carroll C.: See—
 Piggot, Charles S., and Misener.
- Mishawaka Rubber and Woolen Manufacturing Company, assignee: See—
 Blair, George W., and Bodle.
 Eakins, Everett A.
 Keene, Kenneth L.
 Sherman, Roy E., and L. P. Hanson.
 Starner, Irving F.
 Van Dinter, George L., and Austin.
- Mishkinis, Frank, Westwood, Calif. Grip on golf clubs. 2,482,120, Sept. 20.
- Misipno, Louis E., Boulder Creek, Calif. Reversible drive. 2,478,543, Aug. 9.
- Miskel, John J.: See—
 Dombrow, Bernard A., and Miskel.
- Miskella, William J., Cleveland, Ohio. Apparatus for heating and drying granular material in a continuously flowing stream. 2,474,952, July 5.
- Miskella, William J., Cleveland, Ohio. Infrared oven. 2,478,001, Aug. 2.
- Miskelly, Samuel, Downers Grove, assignor to Western Railroad Supply Company, Chicago, Ill. Grade crossing gate. 2,488,313, Nov. 15.
- Miskimen, Carl W., Seattle, Wash. Pipe joint. 2,461,337, Feb. 8.
- Miskunas, Anton F., Chicago, Ill. Dental casting machine. 2,487,937, Nov. 15.
- Mission Manufacturing Company, assignee: See—
 Young, Henry B.

- Mississippi Valley Research Laboratories, Inc., assignee: *See—*
Doelling, George L., and Adams.
- Misson, William H., Los Altos, assignor of one-half to F. V. Mayo, Stockton, Calif. Generator and fluid flow meter. 2,492,493, Dec. 27.
- Missouri Automatic Control Corporation, assignee: *See—*
Bader, James B.
Cobb, Clifton A.
Eggert, Deane O.
Hewman, Eric P.
Markham, Charles E.
Newman, Eric P.
Pratt, Ryder.
Wasser, Joseph A.
Yeida, John O.
- Missouri Meerscham Company, assignee: *See—*
Rettke, Julius L., and Otto.
- Mistretta, Vincent F.: *See—*
Schneider, Helmuth G., and Mistretta.
- Mitchell, Ralph H., Flint, assignor to General Motors Corporation, Detroit, Mich. Gaseous discharge tube. 2,478,119, Aug. 2.
- Mitchell, Alexander V.: *See—*
Atkins, Carl E., and Mitchell.
- Mitchell, Alice, Philadelphia, Pa. Knitting kit. 2,465,466, Mar. 29.
- Mitchell Camera Corporation, assignee: *See—*
Eisler, Victor H., and Weidner.
Jonson, Gustav W.
Mitchell, George A.
- Mitchell, Charles, assignee: *See—*
Renison, Matthew A.
- Mitchell, Clyde O.: *See—*
Agresti, Vincent A., Bogdanffy, Mitchell, and Uhlig.
- Mitchell, David T., Decatur, Ill. Laboratory circulating evaporator. 2,461,389, Feb. 8.
- Mitchell, Donald H.: *See—*
Harris, Fred E., Hegeman, Mitchell, and Snook.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Preassembled impedance unit. 2,472,021, May 31.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Ultra high frequency signal-translating stage. 2,486,863, Nov. 1.
- Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Wave-signal translating apparatus chassis. 2,492,235, Dec. 27.
- Mitchell, Doren, Martinsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio transmission control. 2,491,276, Dec. 13.
- Mitchell, Frank, Chicago, Ill. Looped clothesline support. 2,489,971, Nov. 29.
- Mitchell, George A., Pasadena, assignor to Mitchell Camera Corporation, West Hollywood, Calif. Film drive system. 2,463,548, Mar. 8.
- Mitchell, George J., Minneapolis, Minn., assignor to General Mills, Inc. Ball mill for continuous sifting and grinding. 2,480,085, Aug. 23.
- Mitchell, George W., Ann Arbor, Mich., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Toll line remote group busy signaling. 2,476,888, July 19.
- Mitchell, Gerald L. J., assignee: *See—*
Mitchell, Lewis M.
- Mitchell, Harold S., Chicago, L. E. Kay, Worth, and A. S. Hartanov, and J. M. Ramsbottom, assignors to Swift & Company, Chicago, Ill. Protective coatings for fresh frozen meats. 2,462,760, Feb. 22.
- Mitchell, Henry M., Pink Hill, N. C. Automatic oil regulator. 2,480,757, Aug. 30.
- Mitchell, James A., Little Rock, Ark. Rockable outer-jaw pipe wrench having slidable inner jaw actuated by rotatable handle. 2,486,755, Nov. 1.
- Mitchell, Jethro, Cincinnati, Ohio. Amusement device. 2,460,026, Jan. 25.
- Mitchell, John, and H. A. Gollmar, assignors to Koppers Company, Inc., Pittsburgh, Pa. Gas purification process. 2,464,824, Mar. 22.
- Mitchell, John E., Company, assignee: *See—*
Mitchell, Orville.
- Mitchell, Joseph A., Bowie, Tex. Slow-stop light switch for automobiles. 2,486,864, Nov. 1.
- Mitchell, Joseph E., East Rutherford, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Organic sulfonates and making same. 2,480,592, Aug. 30.
- Mitchell, Keith B.: *See—*
Moore, Lon R., and Mitchell.
- Mitchell, Lewis M., Greeley, Colo.: W. A. E. Mitchell, administrator of said L. M. Mitchell, deceased, assignor of forty-six and sixty-six one-hundredths per cent to W. A. E. Mitchell, Greeley, Colo., twenty-six and sixty-seven one-hundredths per cent to P. M. Mitchell, Chicago, and twenty-six and sixty-seven one-hundredths per cent to G. L. J. Mitchell, Glen Ellyn, Ill. Refrigerator ventilator system. 2,471,971, May 31.
- Mitchell Manufacturing Company, assignee: *See—*
Cohler, Irving H.
Wiedenhoef, Arthur E.
- Mitchell, Ora N., Hawthorne, assignor to Parkhill-Wade, Los Angeles, Calif. Pipe-line strainer. 2,467,143, Apr. 12.
- Mitchell, Orville, assignor to John E. Mitchell Company, Dallas, Tex. Air conditioning device for beds. 2,461,432, Feb. 8.
- Mitchell, Owen R.: *See—*
Boudreaux, Lloyd E., and Mitchell.
- Mitchell, Paul M., assignee: *See—*
Mitchell, Lewis M.
- Mitchell, Reid L.: *See—*
Schlosser, Paul H., Gray, and Mitchell.
Schlosser, Paul H., and Mitchell.
- Mitchell, Roscoe A., Corpus Christi, Tex. Bottle cap or jar cover remover. 2,464,646, Mar. 15.
- Mitchell, Wallace F., Chicago, Ill., assignor to Ammco Tools, Inc. Bench type honing machine. 2,483,590, Oct. 4.
- Mitchell, Walter, Jr., Scarsdale, N. Y. Apparatus for folding and winding strip material. 2,480,591, Aug. 30.
- Mitchell, Walter C., Whittier, Calif. Filing cabinet utility shelf. 2,486,966, Nov. 1.
- Mitchell, Wilbur A. E., administrator: *See—*
Mitchell, Lewis M.
- Mitchell, Wilbur A. E., Greeley, Colo. Aircraft control surfaces. 2,480,040, Aug. 23.
- Mitchell, Winifred R., Lynbrook, N. Y., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Tyrothrin production. 2,465,338, Mar. 29.
- Mitnick, Albert M.: *See—*
Fogal, Gordon L., and Mitnick.
- Mitsch, William H., Wheeling, W. Va. Automatic timing device. 2,459,041, Jan. 11.
- Mittauer, Anton, Jr., assignee: *See—*
Cooley, David B.
- Mittelmann, Eugene, Chicago, Ill. Continuously matching and controlling power for high-frequency heating of reactive loads. 2,470,443, May 17.
- Mittelmann, Eugene, assignor to Illinois Tool Works, Chicago, Ill. Voltage regulator. 2,488,600, Nov. 22.
- Mittelmann, Eugene, Chicago, Ill. High-frequency apparatus. 2,490,081, Dec. 6.
- Mittendorf, Harvey C., East Orange, N. J., assignor to Combustion Engineering-Superheater, Inc. Surge tank for electric boilers. 2,485,762, Oct. 25.
- Mittermaier, Armin F., Fort Wayne, Ind., assignor to General Electric Company. Cast core clamp. 2,467,218, Apr. 12.
- Mitton, Robert E., Lemon Grove, Calif. Safety pressure detonator bomb. 2,471,163, May 24.
- Mitton, Robert E., Lemon Grove, Calif. Fluid pressure booster. 2,475,105, July 5.
- Mitton, Robert E., Lemongrove, assignor of fifteen per cent to D. W. Sneath, El Cajon, one per cent to E. T. Padfield, La Mesa, one per cent to A. G. Crawford, and one per cent to G. H. Roberts, National City, one per cent to N. H. Highsmith and two per cent to L. L. Claydon, San Diego, Calif. Multiple stage air compressor. 2,479,856, Aug. 23.
- Mixing Equipment Co., Inc., assignee: *See—*
Hesse, Herman C.
- Mizen, Carlton A., Cambridge, Mass., assignor to United States of America as represented by the Secretary of War. Radio direction indicator. 2,478,300, Aug. 9.
- Mnookin, Nathan M., Kansas City, Mo., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Recovering glycerine from fermentation concentrates. 2,478,417, Aug. 9.
- Mo Och Domsjö Aktiebolag, assignee: *See—*
Holst, Torsten G.
- Mobbs, Herbert, Church Brampton, near Northampton, and G. H. Smith, Slough, England. Sliding roof for vehicles. 2,482,429, Sept. 20.
- Moberg, Ivar O., Lowell, Mass. Fire alarm. 2,470,711, May 17.
- Moberg, Ivar O., Lowell, Mass. Pattern mechanism for looms. 2,491,388, Dec. 13.
- Mobley, William R., assignor of one-half to J. H. Adams, Miami, Fla. Pulverizing mill. 2,464,775, Mar. 15.
- Moburg, Harold W., assignee, trustee: *See—*
Hedenburg, Oscar F.
- Mochel, John M., assignor to Corning Glass Works, Corning, N. Y. Electrically conducting refractory body. 2,467,144, Apr. 12.
- Mochel, John M., assignor to Corning Glass Works, Corning, N. Y. Electrically conducting refractory compositions. 2,490,325, Dec. 13.
- Mochel, John M., Louisville, Ky., assignor to Corning Glass Works, Corning, N. Y. Electrically conducting refractory compositions. 2,490,826, Dec. 13.
- Mochel, Walter E.: *See—*
Hanford, William E., Roland, and Mochel.
- Mock, Archie V. and C. G., Sand Springs, Okla. Saddle D. 2,474,953, July 5.
- Mock, Claude G.: *See—*
Mock, Archie V. and C. G.
- Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,470,098, May 17.
- Mock, Frank C., and J. A. Bolt, assignors to Bendix Aviation Corporation, South Bend, Ind. Control mechanism for supercharged aircraft engines. 2,480,758, Aug. 30.
- Mock, Raymond A., Amarillo, Tex. Sterilizing basket. 2,467,331, Apr. 12.
- Mockabee, John W., United States Army, Washington, D. C. Handle lock for hinged handle utensils. 2,460,840, Feb. 8.

- Mockiewicz, Sylvester C., assignor to American Buff Company, Chicago, Ill. Making buffing wheels. 2,489,193, Nov. 22.
- Model Brassiere Corp., assignee: *See*—
Schoebel, Henry.
- Model Crafters Inc., assignee: *See*—
Allen, William M.
- Modern Art Printing Company, assignee: *See*—
Bardash, Joseph.
- Modern Controls, Inc., assignee: *See*—
Haug, Eugene H.
- Modern Design Products Company, assignee: *See*—
Jensen, Hans.
Magnesen, Charles D.
- Modern Machine Products Co., assignee: *See*—
Ward, George A., and Koleske.
- Modern Plastic Machinery Corporation, assignee: *See*—
Tornberg, Henning T.
- Modes, Edward E., Chicago, Ill. Differential screw micrometer. 2,461,995, Feb. 15.
- Modes, Edward E., Chicago, Ill. Record envelope. 2,480,416, Aug. 30.
- Modigliani, Piero, Manhasset, N. Y., and H. E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y. Mat formation. 2,460,899, Feb. 8.
- Modine Manufacturing Company, assignee: *See*—
Arnold, Arthur B.
Goeltz, Walter H.
Simpelaar, Clyde S.
Spieth, Benjamin.
- Modlin, Chester, Chicago, Ill. Backwater controlling device. 2,478,976, Aug. 16.
- Modrey, Henry J., London, England, assignor to Modrey Patents Corporation, County of Essex, N. J. Clutch or coupling device. 2,464,543, Mar. 15.
- Modrey, Henry J., Newark, N. J., assignor to Modrey Patents Corporation. Holder for key chains. 2,465,328, Mar. 22.
- Modrey, Henry J., West Orange, assignor to Modrey Patents Corporation, County of Essex, N. J. Combined locating pin and clamp. 2,484,458, Oct. 11.
- Modrey Patents Corporation, assignee: *See*—
Modrey, Henry J.
- Moe, Clarence O.: *See*—
Pitt, Paul A., and Moe.
- Moe, Owen A.: *See*—
Warner, Donald T., and Moe.
- Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Cyanoethyl ethers of galactomannan and glucomannan gums. 2,461,502, Feb. 8.
- Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Starch esters. 2,462,210, Feb. 22.
- Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Carboxyalkyl ethers of carbohydrate gums. 2,477,544, July 26.
- Moe, William W., Stratford, Conn., assignor to General Electric Company. Band pass amplifier. 2,491,326, Dec. 13.
- Moehl, Reno W.: *See*—
Webb, Glenn M., and Moehl.
- Moehrl, Kenneth E., assignor to Layne & Bowler, Incorporated, Memphis, Tenn. Well screen. 2,487,888, Nov. 15.
- Moeller, Jacob, Cincinnati, Ohio. Airplane toy. 2,474,750, June 28.
- Moeller, Robert C., North Tonawanda, N. Y. Reversible oar. 2,473,440, June 14.
- Moeller, William P., Baldwin, N. Y., and J. H. Prichard, Springfield, N. J., assignors to Celanese Corporation of America. Thermoplastic composition. 2,490,148, Dec. 6.
- Moen, George E., Jr., Bremerton, Wash. Speed control for movable illuminators. 2,487,066, Nov. 8.
- Moen, Richard H., Millersville, and H. R. Graybill, Manheim, assignors to Animal Trap Company of America, Lititz, Pa. Cartridge for trap guns. 2,480,593, Aug. 30.
- Moerman, Nathan A., Brooklyn, assignor to Potter Instrument Company, Inc., Flushing, N. Y. Electronic totalizing system. 2,472,542, June 7.
- Moose, Richard, Detroit, Mich. Conduit manifold. 2,470,615, July 19.
- Moffat, Alexander W., assignor to N. L. Cahners, doing business as Materials Handling Laboratories, Boston, Mass. Temporary support for use in loading pallets or the like. 2,461,479, Feb. 8.
- Moffats Limited, assignee: *See*—
Smith, Elmore S.
- Moffatt, Lawrence R.: *See*—
Wintringham, Andrews C., Moffatt, and Conn.
- Moffatt, Wilder, Upper Macungie Township, Lehigh County, assignor to Nassau Products Allentown, Pa. Welded connector for tubular frame structures. 2,477,260, July 26.
- Moffatt, Wilder, Upper Macungie Township, Lehigh County, assignor to Nassau Products, Allentown, Pa. Welded brace intersection fitting for tubular structures. 2,477,261, July 26.
- Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Coating composition comprising an amide-aldehyde resin and a polyester of 2-ethyl hexane-diol-1,3 and a dicarboxylic acid as a plasticizer. 2,460,186, Jan. 25.
- Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Coating composition comprising an amide-aldehyde resin and a polyester of a dihydric ether of glycerol and a dicarboxylic acid as plasticizer. 2,460,187, Jan. 25.
- Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composition comprising an amide-aldehyde resin and as a plasticizer a polyester of a dihydric ether of propylene glycol and a dicarboxylic acid. 2,462,658, Feb. 22.
- Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Boding of oil by heat. 2,471,577, May 31.
- Moffitt, William C., Salinas, Calif. Golf club carrier. 2,480,377, Aug. 30.
- Moffitt, William R.: *See*—
Spahr, Raymond J., Moffitt, and Pryde.
- Moguloid Company of America, assignee: *See*—
Mercer, Dudley A.
- Mohar, Jack L., Long Beach, Calif. Electric switch. 2,471,040, May 24.
- Mohawk Carpet Mills, Inc., assignee: *See*—
Ammerall, Albert J.
Pollard, John R.
Underwood, Garfield J.
- Möhl, Torben, Copenhagen, Denmark; vested in the Attorney General of the United States. Plowshare. 2,471,164, May 24.
- Mohler, James B.: *See*—
Schaefer, Ralph A., and Mohler.
- Mohler, Jean P., Oil City, Pa. Bingo board for the blind. 2,464,146, Mar. 8.
- Mohme, Edward H. V., University City, assignor to Champ-Items, Inc., St. Louis, Mo. Minnow trap. 2,465,812, Mar. 29.
- Mohr, Adrina J.: *See*—
Mohr, Carl and A. J.
- Mohr, Albert, Jr., and J. P. Grilli, Chicago, Ill. Blast furnace discharge structure. 2,476,889, July 19.
- Mohr, Albert, Jr., and J. P. Grilli, Chicago, Ill. Pressure sealing means for revolving distributors of blast furnaces. 2,486,312, Oct. 25.
- Mohr, Carl and A. J., Los Angeles, Calif. Ironing board and cabinet. 2,475,106, July 5.
- Mohr, George F., Peoria, Ill. Animated display device. 2,471,002, May 24.
- Mohr, Harry F.: *See*—
Bradley, George G., and Mohr.
- Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,469,837, May 10.
- Mohr, Otto, Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable cam device. 2,480,594, Aug. 30.
- Mohr, Wilfred J., Dearborn Township, Wayne County, Mich., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making pressure-sensitive adhesive sheeting. 2,477,196, July 26.
- Mohrman, Harold W., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Melamine-formaldehyde casting resin. 2,470,363, May 17.
- Mohrman, Harold W., and F. E. Reese, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Melamine condensation product. 2,485,059, Oct. 18.
- Mohun, John L., Chicago, Ill. Serving tray. 2,469,777, May 10.
- Moilliet, John L.: *See*—
Bartlett, Ronald G., Moilliet, and Reynolds.
- Moineau, Adele, administratrix, assignee: *See*—
Moineau, René J. L.
- Moineau, René J. L., deceased, Paris, France; A. Moineau, administratrix, assignor to Robbins & Myers, Inc., Springfield, Ohio. Helical multiple pump. 2,483,370, Sept. 27.
- Moise, James E., Baton Rouge, La., assignor to Standard Oil Development Company. Apparatus and method for polymerizing olefins. 2,491,752, Dec. 20.
- Moisew dit Stone, Jean, Paris, France. Hair drying apparatus. 2,481,328, Sept. 6.
- Mojonnier Bros. Co., assignee: *See*—
Armerding, George D.
- Mojonnier, Harry G., Oak Park, Ill. Evaporator having refrigerant recirculation means. 2,462,329, Feb. 22.
- Mol, Gerard C. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Photographic reproduction and projection device for cathode-ray tube screens. 2,483,147, Sept. 27.
- Molander, Fred W.: *See*—
Seaholm, John P., and Molander.
- Molat, Joseph H.: *See*—
Riker, Robert T., and Molat.
- Moles, Frank J., and P. C. Michel, Schenectady, N. Y., assignors to General Electric Company. Phototube power supply circuit. 2,492,759, Dec. 27.
- Moline Malleable Iron Co., assignee: *See*—
De Bruyne, Philip C.
- Molins, Desmond W., Deptford, London, S. E. 8, assignor to Molins Machine Company Limited, London, England. Breech-loading mechanism for ordnance. 2,459,572, Jan. 18.

- Molins, Desmond W., London, assignor to Molins Machine Company, Limited, Deptford, London, England. Firing mechanism for automatic guns having transversely movable breech blocks. 2,471,232, May 24.
- Molins, Desmond W., and F. F. Ruau, Deptford, London, assignors to Molins Machine Company, Limited, London, England. Ammunition magazine for use with ordnance. 2,477,936, Aug. 2.
- Molins Machine Company Limited, assignee: *See*—
Chalmers, John W.
Dearsley, George.
Molins, Desmond W.
Molins, Desmond W., and Ruau.
Powell, Gordon F. W.
Ruau, Felix F.
- Moll, Harold W., assignor to The Dow Chemical Company, Midland, Mich. Di-(2-chloro-cyclohexyl)-sulfide as insecticide. 2,472,755, June 7.
- Moll, Harold W., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Polymeric vinylidene chloride compositions containing a light stabilizer. 2,464,250, Mar. 15.
- Molla, Charles P., New Hyde Park, N. Y. Collapsible fire-box. 2,469,885, May 10.
- Molla, Charles P., New Hyde Park, N. Y. Knockdown stand or table. 2,474,318, June 28.
- Mollenhauer, Clarence R., assignor to The Louis Allis Company, Milwaukee, Wis. Method and apparatus for casting rotors. 2,486,798, Nov. 1.
- Möller, Fredrik A., Haren, assignor to N. V. W. A. Scholten's Chemische Fabrieken, Hoogezand, Netherlands. Manufacturing foodstuffs from leguminosae. 2,475,554, July 5.
- Möller, Jacob A. L., Rye, assignor to Manifold Supplies Company, Brooklyn, N. Y. Inked ribbon. 2,492,811, Dec. 27.
- Möller, Ragnar O. J., assignor to Svenska Turbinfabriks Aktiebolaget Ljungström, Finspong, Sweden. Combined gas turbocompressor and gas turbine. 2,460,523, Feb. 1.
- Möller, Ragnar O. J., Finspong, Sweden. Radial-flow turbine of double rotation type. 2,472,543, June 7.
- Molloy, James F., Oakland, Calif. Sanitary plumbing. 2,482,359, Sept. 20.
- Molloy, Patrick F., Long Island, assignor to Induction Heating Corp., New York, N. Y. Induction heating apparatus. 2,484,238, Oct. 11.
- Mollring, Gilman B., Los Angeles, Calif. Making binary asphaltic particles. 2,484,792, Oct. 11.
- Molnar, Julius P.: *See*—
Wyckoff, Ralph D., Molnar, Palmer, and Blewett.
- Molnar, Nicholas M.: *See*—
Segessemann, Ernest, and Molnar.
- Moloney, Raymond T., assignee: *See*—
Calvert, Sumter.
Gordon, Joseph M.
Nicholson, Ralph A.
Seiden, Herman L.
- Molotzak, George C., Coaldale, Pa. Hermetically sealed, self-lubricating slide bearing. 2,462,659, Feb. 22.
- Moltz, Benjamin E., Gridley, Calif. Wheel supporting stand for tire changing. 2,471,642, May 31.
- Molyneux, Cecil P., Hampton Bays, assignor to Filtrors, Incorporated, Long Island City, N. Y. Oil filter and pump combination. 2,474,009, June 21.
- Momberg, James M., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Inductor alternator. 2,462,761, Feb. 22.
- Momberg, James W., and H. B. Fuge, Somerville, assignors to The Singer Manufacturing Company, Elizabeth, N. J. System of electrical braking. 2,478,160, Aug. 2.
- Monack, Albert J., and V. Mueller, Rutherford, assignors to Mycalex Corporation of America, Passaic, N. J. Drilling glass-bonded mica. 2,465,388, Mar. 29.
- Monaghan, J. J., Company, Inc., assignee: *See*—
Wilm, Carl C.
- Monahan, Raymond A.: *See*—
Wobser, Herman C., and Monahan.
- Monahan, William, Los Angeles, Calif. Folding lap table. 2,471,003, May 24.
- Monarch Machine Tool Company, assignee: *See*—
Wills, Kurt H.
- Monarch Machine Tool Co., The, assignee: *See*—
Rickel, Clifford A., Brandenburg, and Foster.
- Monarch Manufacturing Works, Inc., assignee: *See*—
Murphy, Thomas W.
- Monat, Seymour M., Brooklyn, N. Y. Sash ventilating device. 2,481,329, Sept. 6.
- Mondl, Adolph M., Oshkosh, Wis. Earphone socket. 2,468,267, Apr. 26.
- Mondorf, Alfred W., Pasadena, Calif. Dispenser. 2,491,053, Dec. 13.
- Monfils, Napoleon A., Haverhill, and E. Quinn, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,490,226, Dec. 6.
- Mongan, Charles E., Jr., assignor to Hartford-Empire Company, Hartford, Conn. Making all-glass sealed packages. 2,462,988, Mar. 1.
- Monheit, Louis, Atlantic City, N. J. Safety ring clamp for tires. 2,476,209, July 12.
- Monical, Charles E.: *See*—
McCubbin, Keator, and Monical.
- Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.
- Monitor Process Corporation, assignee: *See*—
Hopwood, John A.
- Monnet, Georges, New York, N. Y. Utilization of gas flow. 2,486,429, Nov. 1.
- Monnot, Edward L., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Flexible member retriever apparatus. 2,466,996, Apr. 12.
- Monnot, Edward L., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Heated dental instrument table. 2,471,884, May 31.
- Monogram Manufacturing Company, assignee: *See*—
Wallace, Frank C.
- Monowatt Incorporated, assignee: *See*—
Benander, Clifford N. and G. B.
Benander, George B.
- Monroe Auto Equipment Company, assignee: *See*—
Fraser, Donald F.
McIntyre, Brouwer D., and Read.
Nickelsen, John M., and Emerick.
Nickelsen, John M., and Read.
Stoner, Frank H.
White, Glen L., and Diedrich.
- Monroe, Benjamin C., Tuscola, Ill.; Myron E. Lollar executor of said B. C. Monroe, deceased. Motor cooling system. 2,479,585, Aug. 23.
- Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.
Fleming, Howard M.
Gang, Herman.
Whisler, Ralph H., Jr.
- Monroe, Charles Z., assignor to Ex-Cell-O Corporation, Detroit, Mich. Power transmission for reversible machine elements. 2,458,290, Jan. 4.
- Monroe, Charles Z., and V. G. Smith, assignors to Ex-Cell-O Corporation, Detroit, Mich. Reversing control for electric motors. 2,466,180, Apr. 5.
- Monroe, Ezra: *See*—
Britton, Edgar C., and Monroe.
Monroe, George S.: *See*—
Ipatieff, Vladimir N., and Monroe.
- Monroe, Kenneth P., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Alkylation of dihydroxy benzene. 2,459,835, Jan. 25.
- Monroe, Rollo O., assignor to The Johnson Corporation, Three Rivers, Mich. Nipple assembly. 2,477,762, Aug. 2.
- Monsanto Chemical Company, assignee: *See*—
Aber, Massimo.
Baer, Massimo.
Barkhoff, Raymond A., Jr.
Barreto, Antonio.
Basdekis, Costas H.
Benignus, Paul G.
Blake, Edward S.
Bowe, Leon E.
Bump, Charles K.
Butler, John M.
Carswell, Thomas S., and Hayes.
Conover, Courtney.
Craig, Alfred B., and Mowry.
Dobratz, Elmer H.
Dunlap, Ralph I.
Dunlop, Richard D.
Durland, John R.
Dvornikoff, Michael N.
Emerson, William S.
Fincke, John K.
Fincke, John K., and Gluesenkamp.
Gehrke, Willard H.
Ham, George E.
Hand, James F.
Harding, Archibald B.
Harman, Marion W.
Hayes, Ralph F.
Healy, John J., Jr., Taylor, and Abblati.
Heider, Rudolph L., and Stehman.
Jenkins, Russell L.
Klugh, Bethune G.
Kosolapoff, Gennady M.
Kreidl, Norbert J.
Lawrence, Robert R.
Leininger, Robert I.
Luce, Stewart B.
Lum, James H.
Marling, Paul E.
Marling, Paul E., and Malowan.
Mohrman, Harold W.
Mohrman, Harold W., and Reese.
Moose, Joe E.
Moss, Henry V., and Wells.
Mowry, David T.
Mowry, David T., and Ham.
Mowry, David T., and Mills, Jr.
Mowry, David T., and Yanko.
Murphy, John F., and Omdahl.
Owens, Grafton R.
Park, Harold F.
Park, Harold F., Basdekis, and Dunlap.
Powers, Donald H., and Rossink.
Renoll, Mary W.
Richard, William R.
Rider, Stuart H.
Schlattman, Russell H.

- Monsanto Chemical Company, assignee—Continued.
 Scott, Milton J.
 Seymour, Raymond B.
 Seymour, Raymond B., and Butler.
 Seymour, Raymond B., and Matthews.
 Sibley, Robert L.
 Slocombe, Robert J., and Hardy.
 Slocombe, Robert J., Hardy, and Saunders.
 Steahly, George W.
 Szmant, Herman H.
 Taylor, George E., and Adams.
 Taylor, George E., Metcalf, and Branscomb.
 Thomas, Charles A., and Hochwalt.
 Throdahl, Monte C.
 Van Epps, Clarence F.
 Walter, Henry A.
 Weyl, Woldemar A.
 Zienty, Ferdinand B.
- Monsarrat, Nicholas, Rumford, R. L., assignor, by mesne assignments, to Pantex Manufacturing Corporation. Apparatus for drying having safety and sequence controls. 2,470,043, May 10.
- Monsarrat, Nicholas, Seekonk, Mass., assignor to Pantex Manufacturing Corporation, Central Falls, R. I. Cooling and ventilating means for the operators of garment presses. 2,488,220, Nov. 15.
- Monsch, Robert, Culver City, Calif. Hand miter. 2,465,168, Mar. 22.
- Monson, Charles L., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Motion-picture film illuminator and magnifying viewer. 2,475,798, July 12.
- Monson, Ephraim V., Salt Lake City, Utah. Mechanical horse. 2,471,233, May 24.
- Monson, Louis T., Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking oil-in-water emulsions. 2,470,829, May 24.
- Monson, Louis T., Los Angeles County, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Removing mud sheaths from oil wells. 2,470,830, May 24.
- Monson, Louis T., Los Angeles County, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Preventing and/or removing accumulations of solid matter from oil wells, flow lines, and pipe lines. 2,470,831, May 24.
- Monson Manufacturing Co., Inc., assignee: See—
 Monson, Sidney A.
- Monson, Sidney A., Belleglade, assignor to Monson Manufacturing Co., Inc., Lakeland, Fla. Aircraft sprayer. 2,473,212, June 14.
- Montagna, Philomena A., Germantown, Pa. Garment manufacture. 2,477,890, Aug. 2.
- Montagné, Eliséé, Saint-Girons, assignor to Societe L'Entreprise Industrielle, Paris, France. Testing reduced scale patterns of engineering works. 2,482,861, Sept. 27.
- Montague, Esther P., Arlington, Va. Umbrella pocket and umbrella. 2,461,390, Feb. 8.
- Montague, Homer F.: See—
 Broffitt, Wilgus S., and Montague.
- Montague, Homer F., Washington, D. C. Sound recording method and apparatus. 2,477,640, Aug. 2.
- Montague, Homer R., Washington, D. C. Lighter for pipes and cigarettes. 2,490,082, Dec. 6.
- Montague, Homer R., Washington, D. C. Jet lighter. 2,490,083, Dec. 6.
- Montague, Sidney A., assignor to Asheville Mica Company, Asheville, N. C. Electric heating element. 2,486,865, Nov. 1.
- Montague, Stephen F., Oswego, assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Apparatus for forming wooden spoons from blanks. 2,473,720, June 21.
- Montague, William E., Inglewood, Calif. Flexible clamp. 2,489,535, Nov. 29.
- Montalbano, Anthony, Baton Rouge, La. Portable propelling apparatus for small fishing craft. 2,468,889, May 3.
- Montalbano, Anthony, Baton Rouge, La. Foot-power propeller. 2,484,720, Oct. 11.
- Montalbano, Anthony, Baton Rouge, La. Self-propelled boat. 2,486,313, Oct. 25.
- Montano, Joaquim, Petropolis, Brazil. Spinning spindle. 2,481,681, Sept. 13.
- Montani, Angelo, Woodhaven, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. High-frequency generator. 2,463,710, Mar. 8.
- Montanti, Charles L., Fort Wadsworth, N. Y. Device for booming lifeboats. 2,475,043, July 5.
- Montcalm, Surrius R., assignor to Ferris Instrument Laboratories, Bonton, N. J. Variable condenser with trimmer. 2,458,187, Jan. 4.
- Montcalm, Surrius R., assignor to Ferris Instrument Laboratories, Bonton, N. J. Electrical variable capacitance device with auxiliary. 2,478,120, Aug. 2.
- Montclair Research Corporation, assignee: See—
 Hammer, Irving P., and Rust.
 Robertson, John D.
 Robertson, John W., and Rust.
 Rust, John B.
 Rust, John B., and Canfield.
 Van Delden, William H., and Rust.
- Monteith, Bennett D., Oklahoma City, Okla. Tool for straightening sagging spring seats. 2,467,332, Apr. 12.
- Montellone, Joseph M., Brooklyn, N. Y. Machine for simultaneously threading, beading, and knurling closure caps. 2,465,253, Mar. 22.
- Montelius, Carl O. J., Stockholm, Sweden. Spiral gearing. 2,486,193, Oct. 25.
- Montero, Ricardo G., New York, N. Y. Holder. 2,473,086, June 14.
- Montgomery, Carol G., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical apparatus. 2,480,194, Aug. 30.
- Montgomery, Charles W., and W. A. Horne, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic dealkylation of alkylated compounds. 2,470,712, May 17.
- Montgomery Elevator Company, assignee: See—
 Arwood, Fritts G.
- Montgomery, Ernest E., Gering, Nebr. Sash holding device. 2,470,832, May 24.
- Montgomery, H. E., assignee: See—
 Compton, Henry P.
- Montgomery, James W., Sr., Duluth, Minn. Knock down caster. 2,461,652, Feb. 15.
- Montgomery, Jesse S., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Oil well implement. 2,479,394, Aug. 16.
- Montgomery, John A.: See—
 Geiss, Albert E., and Montgomery.
- Montgomery, John A., Denver, Colo., and L. E. Livingston, Dallas, Tex., assignors to Lakeside Engineering Corporation, Chicago, Ill. Sewage disposal apparatus. 2,464,707, Mar. 15.
- Montgomery, Luke H., Nashville, Tenn. Signaling system. 2,468,832, May 3.
- Montgomery, Ora A., Miami, Okla. Fisherman's kit. 2,474,752, June 28.
- Montgomery, Terryl B., Wauwatosa, Wis., and H. E. Reichert, Long Beach, Calif., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,467,768, Apr. 19.
- Montgomery, Terryl B., Wauwatosa, and T. H. Bloodworth, Waukesha, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Current limiting system for Ward-Leonard drives. 2,473,721, June 21.
- Montgomery, Walter H., Washington, D. C. Can opener. 2,486,314, Oct. 25.
- Montgomery Ward & Co., Incorporated, assignee: See—
 Hayhurst, William L.
- Montieth, Oscar V.: See—
 McDowall, Charles J., and Montieth.
- Montonna, Ralph E., and L. H. Reyerson, St. Paul, and E. Amdur, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Preparing fibers and yarns. 2,468,771, May 3.
- Montouri, Felix C., Washington, D. C. Clamp for denture flasks. 2,477,197, July 26.
- Montoya, Carlos, Belen, N. Mex. Mechanical hammer. 2,475,398, July 5.
- Montoya, Louis M., Cheyenne, Wyo. High chair tray attachment. 2,485,907, Oct. 25.
- Montoya, Victor M., Caracas, Venezuela. Vertical piano action. 2,469,308, May 3.
- Montres Rolex S.A. (Rolex Watch Co. Ltd.) assignee: See—
 Pretre, Armand.
- Montrose-Oster, Louis E. W., Brussels, Belgium, assignor of one-half to Pollopass Patents Limited, London, England. Control arrangement for automobiles. 2,491,012, Dec. 13.
- Montrose-Oster, Louis E. W., Brussels-Boitsfort, Belgium, assignor of one-half to Pollopass Patents Limited, London, England. Electric remote selective control system. 2,471,075, May 24.
- Montross, Charles F.: See—
 Kraft, Wheaton W., Lambert, and Montross.
- Montsinger, Vincent M.: See—
 Camilli, Guglielmo, Montsinger, and Chapman.
- Moody, Clifford J.: See—
 Stevens, Claud L., and Moody.
- Moody, Dwight L., Akron, assignor to The Hoover Company, North Canton, Ohio. Inert gas absorption refrigeration system, including a fan. 2,463,409, Mar. 1.
- Moody, Dwight L., and H. Renek, Santa Monica, Calif. Currency container. 2,470,362, May 17.
- Moody, George D., assignor of one-half to R. E. Moody, Arkansas City, Kans. Soldering iron equipment. 2,477,195, July 26.
- Moody, George E., Glendale, Calif. Flow control system. 2,478,702, Aug. 9.
- Moody, Glen, assignee: See—
 Long, James I.
- Moody, Howard H., San Francisco, Calif. Rubber heel. 2,464,251, Mar. 15.
- Moody, Ralph E., assignee: See—
 Moody, George D., and R. E.
- Moohl, Johan G., and L. W. McClellan, Cleveland Heights, assignors to The Motch & Merryweather Machinery Co., Cleveland, Ohio. Automatic metal sawing machine. 2,491,901, Dec. 20.
- Moomaw, Lewis H., Great Neck, assignor to De Jur-Amsco Corporation, Long Island City, N. Y. Motion-picture projector. 2,468,993, May 3.

- Moon, Herbert J., Clayton, Mo., assignor to National Enameling and Stamping Company, Milwaukee, Wis. Receptacle and closure therefor. 2,466,819, Apr. 12.
- Moon, James, Altadena, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Portable marine drilling structure. 2,482,788, Sept. 27.
- Moon, James, Altadena, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Tool joint. 2,485,763, Oct. 25.
- Moon, James M., Graham, N. C. Electromagnetic checker-board. 2,472,916, June 14.
- Moore, John M., Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Snubber plate. 2,458,287, Jan. 4.
- Moon, Max A., Salem, Oreg. Para-kite attachment. 2,480,948, Sept. 6.
- Moon, Neil S., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of 2-chlorobenzothiazoles. 2,469,697, May 10.
- Moon, Richard H. and R. W., Milwaukee, Wis. Garden grill. 2,484,239, Oct. 11.
- Moon, Robert W.: See—
Moon, Richard H. and R. W.
- Mooney, James D., Oyster Bay, N. Y. Apparatus for illustrating economic laws. 2,485,540, Oct. 18.
- Mooney, James D., Oyster Bay, N. Y. Apparatus for illustrating economic laws. 2,488,423, Nov. 15.
- Mooradian, Shannon: See—
Millson, Henry E., and Mooradian.
- Moore, Adam C.: See—
Mendenhall, George L., Moore, and J. A. Mendenhall.
- Moore, Alexander M.: See—
Reiff, Orland M., and Moore.
- Moore, Alfred E., Oshkosh, Wis., F. Moore, administrator of said A. E. Moore, deceased. Method and apparatus for making dipped candles. 2,473,202, Aug. 9.
- Moore, Alfreda B., Chicago, Ill. Combination lipstick and rouge container. 2,471,441, May 31.
- Moore, Augustine A., Hempstead, N. Y. Laminated inner shoe protector. 2,463,296, Mar. 1.
- Moore Business Forms, Inc., assignee: See—
Garwood, Victor W.
Hageman, Louis F.
Hope, William H., Jr.
Lunn, Edgar E.
- Moore, Charles B.: See—
Swift, Gilbert, and Moore.
- Moore, Charles G., River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio. Preparing oil acid modified alkyl material. 2,459,176, Jan. 18.
- Moore, Charles G., River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio. Preparing oil-acid modified alkyl material. 2,461,564, Feb. 15.
- Moore, Charles M.: See—
Hart, Edward L., and Moore.
- Moore, Chester C., and C. F. King, Jr., assignors to Stephens-Adamson Mfg. Co., Aurora, Ill. Hydraulic cam adjuster. 2,459,713, Jan. 18.
- Moore, Clyde L., Cleveland, Ohio. Tractor fifth-wheel safety lock. 2,462,211, Feb. 22.
- Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic comparator gauge. 2,486,052, Oct. 25.
- Moore Company, The, assignee: See—
Moore, Robert D.
- Moore, Cyril A., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Gas regulating device for firearms. 2,462,119, Feb. 22.
- Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Elastic fluid-flow measuring system. 2,472,609, June 7.
- Moore, David W., Jr., New York, N. Y. Graphic facsimile toy. 2,474,545, June 28.
- Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Fuel-air ratio control system and elastic fluid-mass flow measuring system useful therein. 2,488,221, Nov. 15.
- Moore, Dewey R., Dallas, Tex. Portable derrick. 2,471,492, May 31.
- Moore, Dewey R., Dallas, Tex. Portable derrick. 2,476,210, July 12.
- Moore, Dewey R., Perry, Okla. Portable derrick. 2,465,813, Mar. 29.
- Moore, Earl E., assignee: See—
Bovee, Ransom Y.
- Moore, Edmund E.: See—
Moore, Marjorie B. and E. E.
- Moore, Edmund W., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,458,401, Jan. 4.
- Moore, Edward B., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Barometric draft control. 2,475,799, July 12.
- Moore, Edward B., Ridgewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,485,627, Oct. 25.
- Moore, Edward J., executor, assignee: See—
Moore, Walter B.
- Moore Ensmeling & Manufacturing Company, The, assignee: See—
Moore, Thomas F.
- Moore, Ernest: See—
Elliott, Harold E., and Moore.
- Moore, Frank J., Wappingers Falls, and E. F. Pevere, Beacon, assignors to The Texas Company, New York, N. Y. Manufacture of safety fuel. 2,468,507, Apr. 26.
- Moore, Franklin, administrator: See—
Moore, Alfred E.
- Moore, George A., New York, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Bag for merchandising. 2,463,992, Mar. 8.
- Moore, George A., New York, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Bag for merchandising. 2,480,500, Aug. 30.
- Moore, George A., New York, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Producing cigarette packages. 2,480,501, Aug. 30.
- Moore, George A., New York, N. Y., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Apparatus for packing coffee. 2,481,611, Sept. 13.
- Moore, George C., Company, assignee: See—
Neidel, Oscar F.
Siciliano, Samuel F.
- Moore, George L., Detroit, Mich. Relief valve. 2,475,851, July 12.
- Moore, Harry W., assignor to Margaret Moore, Dayton, Ohio. Unreeling device. 2,487,889, Nov. 15.
- Moore, Herbert E., Downey, Calif. Motor-driven paint brush. 2,466,257, Apr. 5.
- Moore, Inc., assignee: See—
Mercier, Ernest.
- Moore, Irving, Scotch Plains, N. J. Universal joint. 2,479,129, Aug. 16.
- Moore, James B., Jr., Lexington, Ky. Curing bright-leaf tobacco. 2,475,568, July 5.
- Moore, James C., Wichita, Kans. Battery cable clamp. 2,462,660, Feb. 22.
- Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Pulsed oscillator. 2,462,885, Mar. 1.
- Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Pulsed oscillator. 2,464,252, Mar. 15.
- Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Beam tube receiver input. 2,480,872, Sept. 6.
- Moore, James R., Dutch Neck, and H. P. Pacini, Asbury Park, N. J., assignors to the United States of America as represented by the Secretary of War. Antenna control system. 2,479,586, Aug. 23.
- Moore, James W., St. Albans, W. Va. Pipe pattern maker. 2,466,464, Apr. 5.
- Moore, John B., Brooklyn, N. Y., assignor to Radio Corporation of America. Printing telegraph system. 2,471,076, May 24.
- Moore, John H., Roscommon, assignor to C. W. Richter, Rochester, Mich. Wire straightener and cutter. 2,489,921, Nov. 29.
- Moore, John S., Modesto, Calif. Disk harrow hitch locking means. 2,458,091, Jan. 4.
- Moore, John W., Velasco, Tex. Crystal grinding machine. 2,476,754, July 19.
- Moore, John W., Wichita, Kans. Motor bike frame. 2,486,430, Nov. 1.
- Moore, Joseph F., Jr., Berryville, Va. Length metering apparatus for drill pipe and the like. 2,471,644, May 31.
- Moore, Joseph K.: See—
Ferrell, Milton F., and Moore.
- Moore, La Vern C., U. S. Navy. Radio altimeter calibration means. 2,468,097, Apr. 26.
- Moore, Lee C., Corporation, assignee: See—
Woolslayer, Homer J., and Jenkins.
Woolslayer, Homer J., Campbell, and Jenkins.
Woolslayer, Homer J., Jenkins and Luttgen.
- Moore, Lee C., Corporation, The, assignee: See—
Woolslayer, Homer J., Campbell, and Jenkins.
- Moore, Lon R., and K. B. Mitchell, Wichita, Kans. Flow responsive electric circuit controlling device. 2,475,850, July 12.
- Moore, Margaret, assignee: See—
Moore, Harry W.
- Moore, Marjorie B., and E. E., Waukegan, Ill., assignors to Abbott Laboratories. Biotin intermediate. 2,472,433, June 7.
- Moore, Mark T., Kearney, Nebr. Electric arc welding apparatus. 2,484,421, Oct. 11.
- Moore, Marlin C., U. S. Army, Xenia, Ohio. Steam injection water heater. 2,483,426, Oct. 4.
- Moore, Maurice L., Detroit, Mich., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Substituted sulfanilylsulfanilamides. 2,476,945, July 19.
- Moore, Maurice L., and J. R. Corrigan, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y. Production of ketoamines. 2,460,143, Jan. 25.
- Moore, Maurice L., and J. R. Corrigan, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y. Hydroxyphenyl alkanolamines. 2,460,144, Jan. 25.
- Moore, Maurice L., and J. M. Sprague, Drexel Hill, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. 2-sulfanilamido-4-thiazolones. 2,476,944, July 19.
- Moore, Meade F., and W. S. Berry, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive driving unit. 2,492,923, Dec. 27.

- Moore, Mildred A., Washington, D. C. Lady's purse or pocketbook. 2,477,388, July 26.
- Moore, Milton K., Corpus Christi, Tex. Electrical protective system. 2,470,257, May 17.
- Moore, Milton W., Island Heights, N. J. Brake fluid level warning device. 2,479,503, Aug. 16.
- Moore, Noble E., Davenport, Iowa. Compound tool. 2,489,102, Nov. 22.
- Moore, Norman C.: *See*—
Bissett, Norman T., and Moore.
- Moore, Norman C., Plumpton, near Towcester, assignor to The Plessey Company Limited, Ifford, England. Powder metallurgy. 2,481,232, Sept. 6.
- Moore, Norman Y.: *See*—
Griffin, Roger L., and Moore.
- Moore Pen Company, The, assignee: *See*—
Lovejoy, Charles K.
- Moore, Pleasant G., Granite Falls, N. C. Cloth winding apparatus. 2,463,790, Mar. 9.
- Moore Products Co., assignee: *See*—
Moore, Coleman B.
- Moore, Ralph S., Visalia, Calif. Disk picture projector. 2,461,756, Feb. 15.
- Moore, Raymond J. F., Armadale, Victoria, Australia. Movable vane rotary pump or fluid motor. 2,463,118, Mar. 1.
- Moore, Richard S., assignee: *See*—
Young, Cecil E.
- Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Radio receiver noise discriminating circuit. 2,466,959, Apr. 12.
- Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Oscillator modulating system. 2,470,573, May 17.
- Moore, Robert C., assignor, by mesne assignments to Philco Corporation, Philadelphia, Pa. Vacuum tube amplifier. 2,474,435, June 28.
- Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Pulse delay system. 2,479,954, Aug. 23.
- Moore, Robert C., assignor to Philco Corporation, Philadelphia, Pa. Amplifier with rising frequency response. 2,488,314, Nov. 15.
- Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Fan. 2,471,578, May 31.
- Moore, Robert J.: *See*—
Greensfelder, Bernard S., and Moore.
- Moore, Robert J., Berkeley, and R. A. Trimble, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Production of cyclic sulfides. 2,471,077, May 24.
- Moore, Robert J., Berkeley, and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Hydrocarbon conversion. 2,475,358, July 5.
- Moore, Rockord W., Wichita, Kans. Propeller guard and deflector for outboard motors. 2,468,890, May 3.
- Moore, Roosevelt, Orange, N. J. Circumferentially traveling type tire mounting device. 2,482,789, Sept. 27.
- Moore, Samuel, & Company, assignee: *See*—
Wilson, Oran C., and Britton.
- Moore, Sidney A., Phoenix, Ariz. Electrical outlet box attaching tool. 2,470,512, May 17.
- Moore, Spencer O., Burbank, Calif. Hair drier. 2,470,833, May 24.
- Moore, Thomas E., and C. H. Watts, assignors to The Ranson & Randolph Company, Toledo, Ohio. Investment material. 2,479,504, Aug. 16.
- Moore, Thomas F., Morris Plains, N. J.; E. J. Moore and M. M. Dacey, executors of said T. F. Moore, deceased; assignors, by mesne assignments, to Moretrench Corporation, Rockaway, N. J. Automatic well point. 2,474,364, June 28.
- Moore, Thomas G., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Recovery of rubberlike polymers from purge water. 2,478,703, Aug. 9.
- Moore, Vincent H., Salinas, Calif. Concrete form board fastener. 2,474,587, June 28.
- Moore, Vincent T., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Turbine sealing construction. 2,463,898, Mar. 8.
- Moore, Vincent T., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Internal-combustion engine crankshaft and gearing. 2,479,249, Aug. 16.
- Moore, Walter B., Coshocton, assignor to The Moore Enameling & Manufacturing Company, West Lafayette, Ohio. Handle for cooking utensils. 2,473,964, June 21.
- Moore, Wayne W., Chicago, Ill. Dental articulator. 2,474,488, June 28.
- Moore, Wiley T., U. S. Army, Laverne, Okla., assignor to United States of America as represented by the Secretary of War. Explosive bullet. 2,459,175, Jan. 18.
- Moore, Wiley T., U. S. Army, Laverne, Okla.; J. H. Church, Austin, Minn., and W. E. Thibodeau, Cleveland, Ohio. Projectile. 2,466,726, Apr. 12.
- Moore, Wiley T., U. S. Army, Laverne, Okla., and R. N. Nelson, Black River Falls, Wis., assignors to the United States of America, as represented by the Secretary of War. Explosive bullet. 2,472,118, June 7.
- Moore, Wiley T., U. S. Army, Laverne, Okla., and W. E. Thibodeau, Cleveland, Ohio, assignors to the United States of America as represented by the Secretary of War. Bullet. 2,475,632, July 12.
- Moore, William E., Pittsburgh, Pa., assignor to Delaware Engineering Corporation. Adjustable roof mounting means for top charged electric furnaces. 2,472,954, June 14.
- Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Arc furnace with lift and swing aside roof. 2,469,740, May 10.
- Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Electrode clamp. 2,477,077, July 26.
- Moore, William H., Cleveland Heights, Ohio, assignor to Meehanite Metal Corporation. Testing molding sand and apparatus therefor. 2,491,512, Dec. 20.
- Moore, William H., and L. B. Fuller, Buffalo, N. Y., said Fuller assignor to said Moore. Device for removing hairpins. 2,479,248, Aug. 16.
- Moore, William N., Tilton, assignor, by mesne assignments, to Russell-Lacey Manufacturing Company, Incorporated, Fairmount, Ga. Pile fabric. 2,482,682, Sept. 20.
- Moore, William N., Tilton, assignor to Russell-Lacey Manufacturing Company, Incorporated. Forming pile fabric. 2,482,683, Sept. 20.
- Moore, William T.: *See*—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Moore, Wilson K., San Diego, assignor of forty-nine per cent to C. B. Leedy, National City, Calif. Straight edge device for determining angles between cylinders and the like. 2,482,360, Sept. 20.
- Moore, Mortimer H., Honolulu, Territory of Hawaii. Internal-combustion engine. 2,461,757, Feb. 15.
- Moorhead, John O., assignor to Metals & Controls Corporation, Attleboro, Mass. Valve. 2,481,940, Sept. 13.
- Moorhead, John O., assignor to Metals and Controls Corporation, Attleboro, Mass. Time-delay circuit controller. 2,484,112, Oct. 11.
- Moorman, Charles L., Millington, Ill., assignor to Union Asbestos & Rubber Company. Refrigerator car with a movable bulkhead. 2,473,169, June 14.
- Moorman, Charles L., Millington, Ill., assignor to Union Asbestos & Rubber Company. Fan construction. 2,475,751, July 12.
- Moorman, Joseph W.: *See*—
Schwarzenbek, Eugene F., and Moorman.
- Moorman, Joseph W., Alpine, assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrocarbon conversion process. 2,465,255, Mar. 22.
- Moos, Paul: *See*—
Pudelko, Richard, and Moos.
- Moos, Robert, Basel, Switzerland. Electric toy motor. 2,488,223, Nov. 15.
- Moose, Joe E., Anniston, Ala., assignor to Monsanto Chemical Company. Agglomerated water treating composition and producing same. 2,477,492, July 26.
- Moose, Joe E., Reno, Nev., assignor to Monsanto Chemical Company, St. Louis, Mo. Adhesive compositions. 2,479,130, Aug. 16.
- Mooser, Heinrich W., assignor to N. V. Eerste Nederlandse Cement Industrie, Maastricht, Netherlands. Utilizing the dust from cement kilns. 2,477,262, July 26.
- Mora, Jose, New York, N. Y. Lock. 2,468,406, Apr. 26.
- Mora, Steve, assignor to Inter-City Manufacturing Company, Detroit, Mich. Window ventilator. 2,487,167, Nov. 8.
- Moraine Box Company, The, assignee: *See*—
McKenzie, Dennis I.
- Moran, Harold J., Pittston, Pa. Circular frame pilot chute. 2,483,425, Oct. 4.
- Moran, James N.: *See*—
Friedman, Alvin H., and Moran.
- Moran, Joseph, Chicago, Ill. Drafting instrument. 2,458,188, Jan. 4.
- Moran, Wilson A., Antigo, Wis. Food grater with horizontal axis disk. 2,471,643, May 31.
- Morand, Emil, Jersey City, N. J. Duplex box or carton. 2,472,674, June 7.
- Morand, Emil, Jersey City, N. J. Foldable compartment box. 2,474,751, June 28.
- Morand, Louis D.: *See*—
Whitmore, James B., and Morand.
- Moravian Electrical Engineering Works, National Corporation, assignee: *See*—
Klima, Vilem.
- Moray, Thomas H., Salt Lake City, Utah. Electrotherapeutic apparatus. 2,460,707, Feb. 1.
- Morberg, Ivar A., and G. Stuhlfauth, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Broaching apparatus. 2,480,499, Aug. 30.
- Mordkin, Michael, Columbia, N. J. Display tray. 2,487,168, Nov. 8.
- Moreau, Jean, Noyelles-sur-Escaut, France. Automatically corrected means for removing beetroot tops. 2,468,994, May 3.
- Moreau, Ralph C.: *See*—
Seifner, Louis P., and Moreau.
- Morehead, Chalmers, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Low-power miniature fluorescent and/or glow lamp. 2,476,616, July 19.

- Morehouse, Neal F., Charles City, Iowa, assignor to Dr. Salsbury's Laboratories. Composition for control of poultry coccidiosis. 2,476,890, July 19.
- Morel, Antoine F., Denholme, Bradford, England. Apparatus for producing false selvages upon woven fabrics. 2,465,254, Mar. 22.
- Morell, Donald C., assignee: *See*—
Turgeon, Edmond.
- Morello, Michael, San Francisco, Calif. Worktable. 2,491,827, Dec. 20.
- Moretrench Corporation, assignee: *See*—
Moore, Thomas F.
- Moretz, Clayton M., Sanford, N. C. Electric light fixture. 2,480,301, Aug. 30.
- Morey, Carlyle J., Minneapolis, Minn. Lubricating oil purifier. 2,472,717, June 7.
- Morey, Francis C.: *See*—
Bean, Howard S., and Morey.
- Morey, George V., Upper Darby, Pa. Making tubular articles of plastic sheet material. 2,487,067, Nov. 8.
- Morey, Glen H.: *See*—
O'Kane, Walter C., and Morey.
- Morey, Glen H., Terre Haute, assignor to Commercial Solvents Corporation, County of Vigo, Ind. Substituted 3-carbamyl-2-piperidones and preparing them. 2,474,589, June 28.
- Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. 3-Carbamyl-2-piperidone. 2,479,690, Aug. 23.
- Morey, Glen H., and E. F. Smith, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Producing potassium hydroxide composition. 2,479,691, Aug. 23.
- Morey, Glen H., and E. F. Smith, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of potassium hydroxide composition. 2,479,692, Aug. 23.
- Morey, Glen H., and E. F. Smith, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of potassium hydroxide composition. 2,479,693, Aug. 23.
- Morey, Glen H., and E. F. Smith, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Potassium hydroxide composition. 2,479,694, Aug. 23.
- Morey, Leon P., assignor to Eastman Kodak Company, Rochester, N. Y. Centering support. 2,461,171, Feb. 8.
- Morey Machinery Co., Inc., assignee: *See*—
Himoff, Morris G., and Casella.
- Morey, William L.: *See*—
Perkins, Frank K., Tarr, Morey, and Merriam.
- Morey, William L., Melrose, and R. A. Taylor, Newburyport, Mass. Projection and plotting device. 2,460,841, Feb. 8.
- Morf, Frederick P., Little Silver, N. J. Desiccator cartridge. 2,471,442, May 31.
- Morgan, Burton D., Fords, N. J., assignor to Johnson & Johnson. Surgical dressing. 2,484,045, Oct. 11.
- Morgan Construction Company, assignee: *See*—
Hitchcock, John H.
Morgan, Myles.
O'Malley, Joseph M.
Sheperdson, John W., and O'Malley.
- Morgan, David E., Philadelphia, Pa., assignor to Warren Webster & Company, Camden, N. J. Expanding tubing by freezing liquid therein. 2,458,189, Jan. 4.
- Morgan, David E., Philadelphia, Pa., assignor to Warren Webster & Company, Camden, N. J. Expanding containers by freezing liquid therein. 2,487,257, Nov. 8.
- Morgan, David H., Youngstown, Ohio. Door and operating means therefor. 2,476,755, July 19.
- Morgan, David L., Bridgeport, Conn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator for internal-combustion engines. 2,471,533, May 31.
- Morgan, Dwight C., Jr., assignor to Scaife Company, Oakmont, Pa. Apparatus for pressing ends into cylindrical shells. 2,459,954, Jan. 25.
- Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Combination desk and chair structure. 2,488,222, Nov. 15.
- Morgan, Erving B., and R. W. Clay, assignors to American Seating Company, Grand Rapids, Mich. Chair with folding table leaf. 2,473,037, June 14.
- Morgan, Frank, assignee: *See*—
Maris, Ferdinand A.
- Morgan, George B., London, and C. N. Smyth, Botley, Oxford, England. Recording and reproduction of moving pictures with or without the accompaniment of sound. 2,486,867, Nov. 1.
- Morgan, Guy J., Poland, Ohio. Burner for liquid fuel. 2,466,258, Apr. 5.
- Morgan, Hugh D., Youngstown, Ohio. Denture. 2,466,727, Apr. 12.
- Morgan, John: *See*—
Knott, Edward B., and Morgan.
- Morgan, John D., Smithfield, N. C. Automobile window screen. 2,491,574, Dec. 20.
- Morgan, John D., South Orange, S. R. Merley, Riverton, and W. E. Smith, Haddonfield, N. J., assignors to Cities Service Oil Company, New York, N. Y. Apparatus for deleading gasoline. 2,470,634, May 17.
- Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Flushing composition for engine lubricating systems. 2,471,390, May 24.
- Morgan, Maurice J., Charlotte, N. C. Propeller. 2,466,777, Apr. 12.
- Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Reciprocable valve. 2,485,504, Oct. 18.
- Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Shearing mechanism. 2,491,871, Dec. 20.
- Morgan, Paul K., Ridgeley, W. Va. Waterproof shoe protector with severable sections. 2,465,911, Mar. 29.
- Morgan, Philip F., Elmhurst, Ill., assignor to Chicago Pump Company. Diffusion tube testing apparatus. 2,480,665, Aug. 30.
- Morgan, Porter S., Weston, Conn. Step action buoyancy scale. 2,487,664, Nov. 8.
- Morgan, Roland J., Oakland, Calif., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Knockdown cooking grid. 2,469,698, May 10.
- Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to the United States of America as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management. Driving mechanism for X-ray grids. 2,467,592, Apr. 19.
- Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to the United States of America as represented by the Secretary of War. Dual phototube X-ray timer for selective exposure of chest films. 2,486,866, Nov. 1.
- Morgan, Russell H., and P. C. Hodges, Chicago, Ill., assignors to United States of America as represented by the Secretary of War. Exposure selecting device for X-ray apparatus. 2,488,315, Nov. 15.
- Morgan, Russell L.: *See*—
Nolan, Kenneth G., Morgan, and Fletcher.
- Morgan, Wilbert H., Howard Beach, N. Y. Continuously operated photoprinter having a safety device. 2,491,513, Dec. 20.
- Morgan, Willard L.: *See*—
Colbert, William H., Weinrich, and Morgan.
- Morgan, Willard L., Haverford, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating with quartz by thermal evaporation. 2,463,791, Mar. 8.
- Morgan, Willard L., Haverford, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Use of phosphorous oxides in producing quartz coatings in a vacuum. 2,463,792, Mar. 8.
- Morgan, William H., assignor to Continental Can Company, Inc., New York, N. Y. Can and feeding mechanism. 2,479,955, Aug. 23.
- Mörgeli, Eduard, Neue Welt, near Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Vat dyestuff. 2,466,960, Apr. 12.
- Mori, Ernest A.: *See*—
Pigott, Reginald J. S., and Mori.
- Moriarty, Charles D., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric crystal holder. 2,458,288, Jan. 4.
- Morici, Nazarene G., Chicago, Ill. Combined frankfurter and roll warming and conditioning apparatus. 2,469,778, May 10.
- Morin, Edmund M., Providence, R. I., assignor to Felmore Company, Inc. Comb. 2,491,753, Dec. 20.
- Morin, Louis H., executor and assignee: *See*—
Marinsky, David.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Slider and constructing the same. 2,458,914, Jan. 11.
- Morin, Louis H., Bronx, N. Y. Controlling the lengths of separable fasteners. 2,460,102, Jan. 25.
- Morin, Louis H., Bronx, N. Y. Pintle chain. 2,460,524, Feb. 1.
- Morin, Louis H., Bronx, N. Y. Universally united scoop for separable fasteners. 2,460,525, Feb. 1.
- Morin, Louis H., Bronx, N. Y. Coaxial conductor. 2,461,834, Feb. 15.
- Morin, Louis H., Bronx, N. Y. Forming cast-on-end stops for separable fastener stringers. 2,464,050, Mar. 8.
- Morin, Louis H., Bronx, N. Y. Forming and ejecting die castings. 2,464,051, Mar. 8.
- Morin, Louis H., Bronx, N. Y. Forming die castings on mountings or carrier members. 2,465,656, Mar. 29.
- Morin, Louis H., Bronx, N. Y. Die casting machine. 2,467,047, Apr. 12.
- Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. End stop for separable fasteners and forming the same. 2,474,908, July 5.
- Morin, Louis H., Bronx, N. Y. Forming, trimming, and then stacking or stringing die castings. 2,479,695, Aug. 23.
- Morin, Louis H., Bronx, N. Y. Separable fastener stringer. 2,479,696, Aug. 23.
- Morin, Louis H., Bronx, N. Y. Gooseneck motion for die casting machines. 2,486,053, Oct. 25.
- Morin, Louis H., Bronx, N. Y. Producing double-action separable fasteners. 2,489,718, Nov. 29.
- Morin, Louis H., Bronx, N. Y. Coreless scoop for separable fastener stringers. 2,491,197, Dec. 13.
- Morin, Louis H., Bronx, N. Y. Scoop for separable fastener stringers. 2,491,198, Dec. 13.

- Morins, Leon J. F., assignor to one-half to N. L. Solomon, New York, N. Y. Hair net. 2,487,358, Nov. 8.
- Morishige, Noboru: *See*—
Bainbridge, Marvin, Fujii, and Morishige.
- Morison, Ayers: *See*—
Barrick, Ray E., and Morison.
- Morison, Charles R. W., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Viscous water-soluble cellulose ether solutions and making same. 2,480,949, Sept. 6.
- Moritt, Irving J.: *See*—
Merson, David A., and Moritt.
- Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Manufacture of synthetic threads and the like. 2,492,055, Dec. 20.
- Moritz, Max, and I. MacKay, assignors to The B. K. Sweeney Electrical Company, Denver, Colo. Gear-operated wrench. 2,478,935, Aug. 16.
- Mork, George W.: *See*—
Hoar, Roger S., Mork, and Theiry.
- Reischl, Karl E., Mork, and Davidson.
- Morledge-Hadfield, Albert W.: *See*—
Mellor, Albert, Mann, Finlayson, and Morledge-Hadfield.
- Morley, Frank W.: *See*—
Ritter, Irving S., and Morley.
- Morley, Frederick W. W., Aston-on-Trent, assignor to Rolls-Royce Limited, Derby, England. Gas turbine engine. 2,488,875, Nov. 22.
- Morlock, James R.: *See*—
Jones, Harold V., and Morlock.
- Morner, Hans G., New York, N. Y. Heat sealing. 2,478,121, Aug. 2.
- Morningstar, Alfred, Hammond, Ind. Collector shoe. 2,461,696, Feb. 15.
- Moro, Antonio, Turin, Italy. Announcement panel. 2,492,311, Dec. 27.
- Morr, Donald, Oakley, Ill. Platform for tractors. 2,463,295, Mar. 1.
- Morrall Bros., Inc., assignee: *See*—
Morrall, Samuel E. and O. G.
- Morrall, Oscar G.: *See*—
Morrall, Samuel E. and O. G.
- Morrall, Samuel E. and O. G., assignors to Morrall Bros., Inc., Morrall, Ohio. Green corn picker. 2,489,495, Nov. 29.
- Morreall, Herbert W., Jr.: *See*—
Duerr, Herman H., Morreall, Jr., and Harsh.
- Morreau, Alfred G., Marshall, Tex. Minnow bucket. 2,480,759, Aug. 30.
- Morrell, Charles E.: *See*—
Bannon, Lewis A., and Morrell.
- Yowell, Howard L., and Morrell.
- Morrell, Charles E., Westfield, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Diolefin extraction. 2,467,845, Apr. 19.
- Morrell, Charles E., Westfield, and R. F. Robey, Cranford, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Alcohol process. 2,474,588, June 28.
- Morrell, Charles E., Westfield, and R. F. Robey, Cranford, N. J., assignors to Standard Oil Development Company. Inhibition of resin growth from diolefins. 2,483,778, Oct. 4.
- Morren, Henri, Forest-Brussels, Belgium. Production of p,p'-dihydroxy-3,4-diphenylhexane of mesod form. 2,476,679, July 19.
- Morretta, Jack J., Scarsdale, N. Y. Tricurler. 2,461,170, Feb. 8.
- Morrey, Alfred E. Jr., Sand Springs, Okla., assignor to Phillips Petroleum Company. Vertical type internal outlet header for catalyst chambers. 2,483,923, Oct. 4.
- Morrill, Lewis H., Los Angeles, Calif. Electric nursing bottle warmer. 2,483,979, Oct. 4.
- Morrill, Melvin A., Laton, Calif. Side delivery rake. 2,472,260, June 7.
- Morrill, Wayne J., Fort Wayne, Ind. Metal sleeve expanding device with integral wedge and piston rod. 2,461,565, Feb. 15.
- Morrill, Wayne J., Fort Wayne, Ind. Dynamoelectric machine rotor construction. 2,461,566, Feb. 15.
- Morrill, Wayne J., Fort Wayne, Ind. Condenser induction motor circuit. 2,464,253, Mar. 15.
- Morrill, Wayne J., Fort Wayne, Ind. Induction motor primary construction. 2,485,628, Oct. 25.
- Morris, Adrian, Jacksonville, Fla. Tobacco pipe attachment. 2,459,670, Jan. 18.
- Morris, Alberto J., assignor to R. A. Lister & Company Limited, Dursley, England. Piston with annular heat dam in the head. 2,473,254, June 14.
- Morris, Alexander, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Shielded connection. 2,490,596, Dec. 6.
- Morris, Bernard, Savannah, Ga. Sewer flusher. 2,485,008, Oct. 18.
- Morris, Bert M., assignor to Hercules Powder Company, Wilmington, Del. Preparing a dry rosin size. 2,476,450, July 19.
- Morris, Charles L., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter. 2,475,333, July 5.
- Morris, Charles O., Van Nuys, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cable connector. 2,466,997, Apr. 12.
- Morris, Charles W., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Spill valve. 2,459,000, Jan. 11.
- Morris, Charles W., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif. Cabin altitude control. 2,463,488, Mar. 1.
- Morris, Charles W., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Pressure regulator. 2,466,465, Apr. 5.
- Morris, Earl D.: *See*—
Amos, James L., and Morris.
- Griess, Gerald A., and Morris.
- Morris, Earl D., and G. A. Griess, assignors to The Dow Chemical Company, Midland, Mich. Rosin-styrene interpolymers. 2,468,770, May 3.
- Morris, Earl D., and S. S. Drake, assignors to The Dow Chemical Company, Midland, Mich. Making pigmented polystyrene. 2,489,226, Nov. 22.
- Morris, Elton K., assignor to The Dow Chemical Company, Midland, Mich. Insolubilization of cellulose ethers and esters. 2,489,225, Nov. 22.
- Morris Farm Machinery Company, assignee: *See*—
Fitch, Frederick B.
- Morris, Frank A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Sound system which compensates for variable noise levels. 2,462,532, Feb. 22.
- Morris, George E., New Brighton, Minn. Headrest for creepers. 2,463,410, Mar. 1.
- Morris, George S., North Hollywood, Calif. Overhead valve tappet clearance adjusting wrench. 2,459,671, Jan. 18.
- Morris, George V., Berkeley, Ill., assignor to Zenith Radio Corporation. Shaded pole motor. 2,487,258, Nov. 8.
- Morris, Gilbert, Taunton, Mass. Sling for handling aircraft wings. 2,492,172, Dec. 27.
- Morris, Harold B., Akron, Ohio. Wheeled toy. 2,464,338, Mar. 15.
- Morris, Harold B. and R. O., assignors to F. B. Killian & Company, Akron, Ohio. Making thin rubberlike films. 2,492,000, Dec. 20.
- Morris, Harold J.: *See*—
Rowland, George D., and Morris.
- Morris, Harold L., Berkeley, Calif., assignor of one-half to G. R. Ericson, Kirkwood, Mo. Oil engine. 2,488,874, Nov. 22.
- Morris, Harry J., and L. Peters, Okmulgee, Okla. Attachment for mold carriers. 2,483,660, Oct. 4.
- Morris, Harry L.: *See*—
Copeland, Paul B., and Morris.
- Morris, Henry D., and C. H. Zierdt, Jr., Dayton, Ohio. Folding corner reflector. 2,475,633, July 12.
- Morris, James C., Wadsworth, assignor to The Ohio Box-board Company, Rittman, Ohio. Handle reinforcing means for containers. 2,464,337, Mar. 15.
- Morris, John C.: *See*—
Conant, Goldsmith H., Jr., and Morris.
- Morris, John R., Lawrenceville, Ill., and J. E. Fields, Dayton, Ohio, assignors to The Texas Company, New York, N. Y. Preparation of metal derivatives of organic compounds containing a replaceable hydrogen. 2,480,823, Sept. 6.
- Morris, Joseph C., Chicago, Ill. Intermittently and pawl driven, single axis, multiple drum calendar. 2,458,092, Jan. 4.
- Morris, Lloyd C.: *See*—
Crawford, Chester C., and Morris.
- Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Corrosion preventing composition and applying. 2,479,762, Aug. 23.
- Morris, Mark M., Berkeley, and A. K. Kleeman, San Francisco, assignors to Clorox Chemical Co., Oakland, Calif. Detergent composition. 2,471,645, May 31.
- Morris Motors Limited, assignee: *See*—
Skinner, Peter G.
- Morris, Nathan, Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc. Heating and cooling apparatus. 2,465,389, Mar. 29.
- Morris, Nathan, Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc. Refrigeration apparatus having an air pump circuit. 2,487,068, Nov. 8.
- Morris, Nathan, and R. L. Fearn, assignors, by mesne assignments, to Electro Therm, Inc., Silver Spring, Md. Electric heater. 2,479,587, Aug. 23.
- Morris Paper Mills, assignee: *See*—
Arneson, Edwin L.
- Fortunato, Vincent.
- Lebold, Samuel N.
- Morris, Ramiel, St. Louis, Mo. Window screen. 2,488,424, Nov. 15.
- Morris, Robert C., Detroit, Mich. Motorcycle support. 2,479,763, Aug. 23.
- Morris, Robert C., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drying apparatus. 2,486,315, Oct. 25.
- Morris, Robert O.: *See*—
Morris, Harold B. and R. O.

- Morris, Rupert C.: *See*—
Ballard, Seaver A., and Morris.
Ballard, Seaver A., Morris, and Van Winkle.
Snider, Alva V., and Morris.
- Morris, Rupert C., Berkeley, E. C. Shokal, Oakland, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Esters of sulfone halohydrins. 2,460,233, Jan. 25.
- Morris, Rupert C., Berkeley, J. L. Van Winkle, San Lorenzo, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Unsaturated thioethers of cyclic sulfones. 2,461,339, Feb. 8.
- Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Polyalkylated cyclic sulfone halohydrins. 2,461,340, Feb. 8.
- Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Secondary sulfolanyl amines. 2,461,341, Feb. 8.
- Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Amino trimethyl hexenoic acids and their lactams. 2,462,009, Feb. 15.
- Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Polyalkylated monochloro cyclic sulfones. 2,465,912, Mar. 29.
- Morris, Rupert C., and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Adducts of unsaturated acids with cyclic polymers of hexadienes and their production and utilization. 2,468,769, May 3.
- Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Preventing ice formation on surfaces. 2,469,309, May 3.
- Morris, Rupert C., Berkeley, and R. M. Horowitz, Los Angeles, assignors to Shell Development Company, San Francisco, Calif. Sulfolanyl carbamates. 2,469,838, May 10.
- Morris, Rupert C., Berkeley, A. V. Snider, Richmond, and E. T. Bishop, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Methylpentadiene-aralkenyl copolymers. 2,471,234, May 24.
- Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Process and products of sulfurization of linear methylpentadiene polymers. 2,481,140, Sept. 6.
- Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Ethers of polyalkylated cyclic sulfones. 2,482,631, Sept. 20.
- Morris, Rupert C., and N. C. Melchior, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polyalkylated monohydroxy cyclic sulfones. 2,483,219, Sept. 27.
- Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Salts of unsaturated acid-branched chain hexadiene polymer adducts. 2,488,550, Nov. 22.
- Morris, Rupert C., and R. M. Horowitz, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Esters of 5-oxy-1,2 carboxy cyclohexanes. 2,489,103, Nov. 22.
- Morris, Sheldon J., assignee: *See*—
Dingley, John C.
- Morris, Steward G., Philadelphia, and R. W. Riemschneider, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of polyhydroxy-benzoic acids. 2,483,099, Sept. 27.
- Morris, Vlon N.: *See*—
Pike, Charles O., and Morris.
- Morris, William J., Jr., assignor, by mesne assignments, to Redmond Company, Inc., Owosso, Mich. Resilient motor mounting. 2,478,704, Aug. 9.
- Morris, William T., Breckenridge, Tex. Safety lock for railroad spikes. 2,474,366, June 28.
- Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Electrical switch. 2,481,141, Sept. 6.
- Morrison, David K., Arlington, Va. Adjustment means for engine indicators. 2,476,315, July 19.
- Morrison, George O., T. P. G. Shaw, and J. D. P.-E. Mercier, Shawinigan Falls, Quebec, Canada, and H. M. Collins, Stamford, Conn., assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Polyvinyl acetate emulsion adhesive. 2,459,955, Jan. 25.
- Morrison, Harry, Pittsburgh, Pa. Height gauge. 2,468,995, May 3.
- Morrison, Howard, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulsar circuit. 2,469,977, May 10.
- Morrison, James J., and A. L. Duna, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Self-supporting aerial electric conducting cable. 2,473,965, June 21.
- Morrison, James L. D.: *See*—
Miller, Walter, and Morrison.
Morrison, James L. D., Benton Harbor, Mich. Automatic phonograph. 2,488,137, Nov. 15.
- Morrison, Margaret B., Los Angeles, Calif. Rest. 2,478,497, Aug. 9.
- Morrison, Montford, Upper Montclair, N. J. Integrating accelerometers. 2,458,016, Jan. 4.
- Morrison, Montford, Upper Montclair, N. J. Multiple reactor filter section. 2,475,909, July 12.
- Morrison, Montford, Upper Montclair, N. J. Electrically heated fan-heater. 2,475,910, July 12.
- Morrison Products, Inc., assignee: *See*—
Marbach, Frank G.
- Morrison, Samuel O., Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Water cooler with a drain arrangement. 2,459,774, Jan. 18.
- Morrison, Samuel O., Media, B. Barnhart, Philadelphia, and E. A. Gott, Lansdowne, Pa., assignors to Sunroc Refrigeration Company, Dover, Del. Refrigeration thermostatic control. 2,492,054, Dec. 20.
- Morrison, Willard L., Lake Forest, Ill. Multistage refrigerating apparatus. 2,467,219, Apr. 12.
- Morrison, Willard L., Lake Forest, Ill. Method and apparatus for chilling containers. 2,483,100, Sept. 27.
- Morrison, Willard L., Lake Forest, Ill. Nested cylinder cooler. 2,484,307, Oct. 11.
- Morrison, Willard L., Lake Forest, Ill. Cylindrical domestic refrigerator. 2,487,259, Nov. 8.
- Morrison, William A., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock drill. 2,458,289, Jan. 4.
- Morrissey, Patrick W.: *See*—
Hamilton, Matthew E., and Morrissey.
- Morrissey, Robert F., South Britain, Conn. Electrode holder. 2,471,340, May 24.
- Morrisson, Reeves, Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Flap and jet device for airplane wings. 2,466,466, Apr. 5.
- Morrisson, Reeves, Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Airplane wing with jet propulsion apparatus. 2,486,967, Nov. 1.
- Morrogh, Henton, Handsworth, assignor to British Cast Iron Research Association, Alvechurch, Birmingham, England. Nodular cast irons and the manufacture thereof. 2,488,511, Nov. 15.
- Morrogh, Henton, Handsworth, assignor to British Cast Iron Research Association, Alvechurch, Birmingham, England. Cast iron. 2,488,512, Nov. 15.
- Morrogh, Henton, Handsworth, assignor to British Cast Iron Research Association, Alvechurch, England. Production of white cast iron. 2,488,513, Nov. 15.
- Morrone, Joseph A., Westerly, R. I. Combined hand truck and hose reel. 2,488,425, Nov. 15.
- Morrone, Joseph A., assignor to Morrone Manufacturing Co., Westerly, R. I. Antiskid device for vehicle tires. 2,488,426, Nov. 15.
- Morrone, Joseph A., assignor to Morrone Manufacturing Co., Westerly, R. I. Antiskid device for vehicle tires. 2,488,427, Nov. 15.
- Morrone Manufacturing Co., assignee: *See*—
Morrone, Joseph A.
- Morrow, Charles T., Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Diving gear. 2,485,908, Oct. 25.
- Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Water treating device. 2,462,886, Mar. 1.
- Morrow, Fred E., Los Angeles, and C. H. Wise, Brea, Calif. Sandal. 2,478,664, Aug. 9.
- Morrow, Harry E.: *See*—
Focke, Arthur E., and Morrow.
- Morrow, Harry M., Canton, Ohio, assignor to The Bowdill Company. Bit. 2,483,220, Sept. 27.
- Morrow, Harry M., Canton, Ohio, assignor to The Bowdill Company. Bit with protected insert. 2,483,221, Sept. 27.
- Morrow, Harry R., Chicago, Ill. Dental drill spray. 2,459,573, Jan. 18.
- Morrow, John E.: *See*—
McLean, Daniel C., Morrow, and Fox.
- Morrow, Raymond W.: *See*—
Walker, Herbert W., and Morrow.
- Morrow, Raymond W., Wilmington, Del., and J. L. Parsons, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Removal of volatile substances from aqueous dispersions of elastomeric materials. 2,467,769, Apr. 19.
- Morsch, Jesse J., Douglas, Wyo. Hub-mounted wheel wrench. 2,459,672, Jan. 18.
- Morse Boulder Destructor Company, assignee: *See*—
Martin, Warren S.
- Morse, Carl K., assignor to E. H. Morse, Plainfield, N. J. Electric apparatus for separating oils from mixtures. 2,478,934, Aug. 16.
- Morse Chain Company, assignee: *See*—
Hawley, Frank M., and Cherry.
- Morse, Clarence W., Santa Monica, Calif., and H. C. Deichert, Youngstown, Ohio, said Deichert assignor to said Morse. Film gauge. 2,470,513, May 17.
- Morse, Eleanor H., assignee: *See*—
Morse, Carl K.
- Morse, Forbes, and A. W. Christensen, Los Angeles, assignors to Western Plastics, Incorporated, Glendale, Calif. Boat loading device. 2,486,316, Oct. 25.

- Morse, Glenn, assignor to King-Seeley Corporation, Ann Arbor, Mich. Timer mechanism. 2,480,760, Aug. 30.
- Morse, Max, Jackson Heights, N. Y. Collapsible crib. 2,486,054, Oct. 25.
- Morse, Paul H., Santa Barbara, Calif. Butter slicer. 2,464,339, Mar. 15.
- Morse, Philip W.: *See*—
Revercomb, Henry E., and Morse.
- Morse, Raymond A., Linden, Tex. Tire spreader and support. 2,491,327, Dec. 13.
- Morse, Robert G., assignee: *See*—
Adams, Arthur A.
- Morset, Palmer J., assignor of one-half to S. Levine, Chicago, Ill. Tuck pointer's hawk. 2,481,233, Sept. 6.
- Mort, Charles H., and C. W. Mapes, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Antifriction screw and nut actuator. 2,486,055, Oct. 25.
- Mortensen, Robert W., assignor to Beloit Iron Works, Beloit, Wis. Rocker mounting for rotary bearings. 2,474,489, June 28.
- Mortenson, Carl W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol plasticized with an amine adduct of butadiene cyclic sulfone. 2,460,995, Feb. 8.
- Mortenson, Carl W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed esters of polyhydric alcohols with mercaptocarboxylic and drying oil acids. 2,476,891, July 19.
- Morthland, Glenn A., Los Angeles, Calif. Shower pan construction. 2,484,240, Oct. 11.
- Mortimer, Edmund W., assignor to The Garrard Engineering and Manufacturing Company, Limited, Swindon, England. Control means for gramophones. 2,453,623, Jan. 11.
- Mortimer, Edmund W., assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, Wiltshire, England. Mounting of gramophone units. 2,483,295, Sept. 27.
- Mortimer, Lynn H.: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.
- Mortimer, Robert H.: *See*—
Ballard, Seaver A., Geyer, and Mortimer.
- Morton Chemical Company, assignee: *See*—
Latham, Henry H., and Morton.
- Morton, Frederick C., Buffalo, N. Y. Inclined current hydraulic separator. 2,474,059, June 21.
- Morton, George A., Haddon Heights, and L. E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America. Electronic computer. 2,462,275, Feb. 22.
- Morton, George A., Oak Ridge, Tenn., and P. Rudnick, Princeton, N. J., assignors to Radio Corporation of America. Image tube. 2,487,665, Nov. 8.
- Morton, Glenn R., Grand Island, Nebr. Spring clothespin. 2,474,753, June 28.
- Morton Gregory Corporation, assignee: *See*—
Nelson, Ted.
- Morton, Harold R., Carmichaels, Pa. Combination curtain rod and shade roller bracket. 2,491,127, Dec. 13.
- Morton, Harry E., Hyde Park, Mass. Heating system. 2,468,268, Apr. 26.
- Morton, Harry E., Hyde Park, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. High-temperature fan. 2,484,955, Oct. 18.
- Morton, Henry E., Muskegon, and H. B. Clark, Muskegon Heights, Mich. Metal trimming machine. 2,484,353, Oct. 11.
- Morton, John B., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Electric blasting cap. 2,465,467, Mar. 29.
- Morton, John R., Mountain Grove, Mo. Chick fountain guard. 2,471,765, May 31.
- Morton, Joseph R.: *See*—
Latham, Henry H., and Morton.
- Morton, Ray E.: *See*—
Wright, Orice B., and Morton.
- Morton, Richard N., Yakima, Wash. Rotatable display sign with shutter. 2,481,941, Sept. 13.
- Morton, Whipple V., San Francisco, Calif. Continuous diffusion unit. 2,466,259, Apr. 5.
- Morton, William, and R. W. Hermanson, Seattle, Wash. Transmission governor. 2,479,764, Aug. 23.
- Morton, William A., and E. G. Smith, Mount Lebanon Township, Allegheny County, assignors, by mesne assignments, to Amsler Morton Corporation, Pittsburgh, Pa. Method and apparatus for artificially compensating for thermal load changes in heat-treatment furnaces. 2,453,624, Jan. 11.
- Mortson, Emmons T., Pittsburgh, and M. L. Bobeng, McKeesport, Pa., assignors to National Tube Company. Burner for soaking pit furnaces and the like. 2,480,255, Aug. 30.
- Morvitz H. Levin, executor: *See*—
Kuff, Fred E.
- Morway, Arnold J.: *See*—
Beerbower, Alan, and Morway.
Zimmer, John C., and Morway.
- Morway, Arnold J., Clark, N. J., assignor to Standard Oil Development Company. High-temperature grease. 2,468,009, Apr. 26.
- Morway, Arnold J., Clark, N. J., assignor to Standard Oil Development Company. Lubricating grease compositions. 2,477,311, July 26.
- Morway, Arnold J., Clark, N. J., assignor to Standard Oil Development Company. Extreme pressure lubricants. 2,487,260, Nov. 8.
- Morway, Arnold J., Clark, N. J., assignor to Standard Oil Development Company. Lubricating grease. 2,491,054, Dec. 13.
- Morway, Arnold J., Clark, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricant. 2,467,145, Apr. 12.
- Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Lubricant. 2,467,146, Apr. 12.
- Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Low-temperature lubricant. 2,467,147, Apr. 12.
- Morway, Arnold J., Clark, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Oil insoluble lubricant. 2,467,148, Apr. 12.
- Morway, Arnold J., Clark Township, Union County, N. J., and C. R. Daniels, Pittsburgh, Pa., assignors to Standard Oil Development Company. Grease composition. 2,468,098, Apr. 26.
- Morway, Arnold J., Clark, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Soluble cutting oil base. 2,469,741, May 10.
- Morway, Arnold J., Clark, and H. L. Leland, Cranford, N. J., assignors to Standard Oil Development Company. Transparent metal fabricating lubricant. 2,480,666, Aug. 30.
- Morway, Arnold J., Clark, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Grease compositions. 2,491,055, Dec. 13.
- Mosby, Edgar T., Minneapolis, Minn. Adjustable mirror support. 2,488,316, Nov. 15.
- Mose, Sanford A., Jr., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning assistants. 2,489,310, Nov. 29.
- Moseley, Coy E., Arlington, Tex. Barbecue pit. 2,471,375, May 24.
- Moseley, Ernst H., Detroit, Mich. Spectacle temple of unbreakable glass. 2,474,856, July 5.
- Moseley, Francis L.: *See*—
Wilkie, Harry, and Moseley.
- Moseley, Francis L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency and speed stabilizing system. 2,484,639, Oct. 11.
- Moseley, Francis L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Remotely tuned radio apparatus and the like. 2,492,392, Dec. 27.
- Moseley, Francis L., Osborn, Ohio, assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic recorder. 2,464,708, Mar. 15.
- Moseley, Francis L., Osborn, and L. J. Perper, Dayton, Ohio. Direct-current amplifier. 2,459,177, Jan. 18.
- Moseley, Francis L., Pelham, and W. T. Cooke, Pelham Manor, N. Y., assignors to The Sperry Corporation. Position control system. 2,480,157, Aug. 30.
- Moseley, James T. W.: *See*—
Armstrong, James F., and Moseley.
- Moseley, Tomlinson I., Atherton, Calif. Radar scanner unit. 2,479,539, Aug. 16.
- Moser, Frank H., assignor to The Standard Ultramarine Company, Huntington, W. Va. Producing metal phthalocyanines and their derivatives. 2,469,663, May 10.
- Moser, Frank T., Easton, Pa., assignor to Limpert Bros., Inc., Vineland, N. J. Packaged sundae. 2,486,194, Oct. 25.
- Moser, Otto, Berne, Switzerland. Number indicator for telephone substations. 2,489,659, Nov. 29.
- Moser, Rudolph J.: *See*—
Spurrino, Pascal, Moser, Kibler, Frost, and Kreider.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Alpha iron oxide-alkali metal pyroantimonate catalyst and preparation. 2,465,313, Mar. 22.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Gamma iron oxide-alkali metal pyroantimonate catalyst and preparation. 2,465,314, Mar. 22.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Ferro-ferric oxide-alkali metal pyroantimonate catalyst and preparation. 2,465,315, Mar. 22.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Gamma iron oxide-alkali metal ferrate and preparation. 2,470,784, May 24.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Alpha iron oxide-alkali metal ferrate catalyst and preparation. 2,470,785, May 24.
- Mosesman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Ferro-ferric oxide-alkali metal ferrate catalyst and its preparation. 2,470,786, May 24.
- Mosher, Asa H., Westfield, N. J. Pipe joint. 2,490,149, Dec. 6.
- Mosher, Clarence H., Sacramento County, Calif. Pipe cleaner. 2,470,940, May 24.
- Mosher, James N., South Bend, Ind. Cabinet and exercising device. 2,474,060, June 21.

- Mosher, Philip P., Rockford, and A. F. Waller, assignors to St. Charles Manufacturing Company, St. Charles, Ill. Combined working top and stove or range. 2,476,756, July 19.
- Mosier, Murlin L., Sioux City, Iowa. Gas burner and support therefor. 2,461,913, Feb. 15.
- Moskowitz, Milton, assignee: *See*—Zieve, William A.
- Moskowitz, Sidney: *See*—Grieg, Donald D., Levine, and Moskowitz.
- Moskowitz, Sidney, Brooklyn, assignor to International Standard Electric Corporation, New York, N. Y. Pulse generator. 2,468,100, Apr. 26.
- Mosley, Carl E., Ovefland, assignor to W. N. Matthews Corporation, St. Louis, Mo. Protective switch. 2,462,212, Feb. 22.
- Mosley, Carl E., Overland, Mo., and K. R. Brown, Des Moines, Iowa, assignors to W. N. Matthews Corporation, St. Louis, Mo. Sectionalizing circuit breaker. 2,488,601, Nov. 22.
- Mosnier, Michael M., Lyon, Rhone, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Production of N₄-acetyl sulfguanidines. 2,463,793, Mar. 8.
- Mosnier, Michel M.: *See*—Bouvier, Maurice E., and Mosnier.
- Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for checking the positions of parts mounted on the inner peripheries of cylindrical articles. 2,470,635, May 17.
- Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging apparatus. 2,470,636, May 17.
- Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Apparatus for masking articles. 2,475,434, July 5.
- Moss, Eric B., assignor to S. Smith & Sons (England), Limited, London, England. Dial mounting. 2,473,291, June 14.
- Moss, Eric B., assignor to S. Smith & Sons (England), Limited, London, England. Control for alarm clocks. 2,488,637, Nov. 22.
- Moss, Henry V., and L. E. Wells, Jr., Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Mineral supplements. 2,480,086, Aug. 23.
- Moss, Hilary, assignor to A. C. Cossor Limited, London, England. Electron gun structure. 2,476,060, July 12.
- Moss, Hilary, assignor to A. C. Cossor Limited, London, England. Electrode gun such as is used in cathode-ray tubes. 2,484,721, Oct. 11.
- Moss, Hilary, assignor to A. C. Cossor Limited, London, England. Radio transmitting circuits. 2,491,754, Dec. 20.
- Moss, Hugo H.: *See*—Hynes, Dibrell P., and Moss.
- Moss, Jack, Youngstown, Ohio. Special order form. 2,458,955, Jan. 11.
- Moss, Leander B.: *See*—Clark, Rufus, Samuel, and Moss.
- Moss, Philip H.: *See*—Cook, Elmer W., and Moss.
- Moss, Philip H., Stamford, Conn., and E. W. Cook, assignors to American Cyanamid Company, New York, N. Y. Aliphatic amide-substituted propyl quaternary ammonium compounds. 2,459,088, Jan. 11.
- Moss, Reginald, North Miami, Fla., assignor of one-half to R. Ferwerda, Cleveland, Ohio. Tire-protecting skid. 2,461,753, Feb. 15.
- Moss Rose Manufacturing Company, assignee: *See*—Green, Edward.
- Moss, Sanford A., Jr.: *See*—Hollihan, John P., Jr., and Moss, Jr.
- Moss, Willard F., Chicago, Ill. Tractor seat cushion. 2,483,222, Sept. 27.
- Moss, Willard F., Chicago, Ill. Tractor seat cover. 2,483,223, Sept. 27.
- Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Gas-operated firearm. 2,464,409, Mar. 15.
- Mossberg, O. F., & Sons, Inc., assignee: *See*—Benson, Carl H.
- Mossberg, Harold F.
- Mossel, Max N., Fulton, Mo. Corn-on-cob butterer. 2,478,122, Aug. 2.
- Mossey, Harry, Denver, Colo. Combination drum stick and maraca. 2,466,554, Apr. 5.
- Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dump grate mechanism. 2,482,632, Sept. 20.
- Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker apparatus. 2,487,464, Nov. 8.
- Mosshart, Donald J., Ardmore, and J. S. Herwick, Philadelphia, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker fuel feeding mechanism. 2,486,570, Nov. 1.
- Mossman, Donald P., Sr., assignee: *See*—Briggs, Joseph A.
- Mossman, John E., assignee: *See*—Briggs, Joseph A.
- Most, Lucifer J., Morris County, N. J. Eraser mounting. 2,478,123, Aug. 2.
- Most, Lucifer J., Morris County, N. J. Mechanical pencil. 2,481,942, Sept. 13.
- Mostardini, Rino: *See*—Marchiaro, Ettore, Mostardini, and Orzalesi.
- Mostek, Jerome L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of 3-chloro methacrylonitrile. 2,460,996, Feb. 8.
- Mosteller, Gerald G., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket carrier. 2,485,909, Oct. 25.
- Moster, Robert, Rushville, Ind. Baby stroller-walker. 2,471,004, May 24.
- Mothaf, Edwin, Orange, assignor to Steatite Research Corporation, Kearsbey, N. J. Insulated terminal. 2,455,629, Oct. 25.
- Motch & Merryweather Machinery Co., The, assignee: *See*—Moohl, Johan G., and McClellan.
- Mote, Allen F., Casper, Wyo. Umbrella. 2,479,250, Aug. 16.
- Mothorn, Pressley P., Richmond, Calif. Pressure fluid servomotor. 2,488,224, Nov. 15.
- Moths, Raymond J., Fox Point, Wis. Adjustable spacer bar. 2,461,996, Feb. 15.
- Motley, Lewis, London, England. Gun mounting. 2,458,956, Jan. 11.
- Moto-Mower Company, The, assignee: *See*—George, Edwin S.
- George, Edwin S., and Blydenburgh.
- Motor Products Corporation, assignee: *See*—Kellogg, Homer G.
- Lane, Guy M., and Thunder.
- Motor Research Corporation, assignee: *See*—Allison, William D.
- Motor Wheel Corporation, assignee: *See*—Hoaglin, Floyd R.
- Horn, Harry J.
- Johnson, Stanley N.
- Miller, John W.
- Miller, John W., and Fell.
- Miller, John W., and Smith.
- Van Halteren, Andrew S.
- Motorola, Inc., assignee: *See*—Becwar, Rudolph A.
- Dusek, Robert.
- Frihart, H. Neil, Jackson, and Williams.
- Fruth, Hal F.
- Fyler, George W.
- Fyler, George W., and Heisig.
- Kamin, Vernon A., Matingly and Wingert.
- Mitchell, Donald H.
- Mydlil, August L.
- Noble, Daniel E.
- Richards, John A.
- Wallin, Gus W.
- Motsinger, Armand V., Aberdeen, Md. Facepiece canister attachment. 2,478,936, Aug. 16.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Pump. 2,470,220, May 17.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Apparatus for and method of dressing cylindrical surfaces. 2,470,221, May 17.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Valve structure manipulatable for controlling delivery of fluid at selective pressures. 2,478,002, Aug. 2.
- Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor-mounted material scoop. 2,482,286, Sept. 20.
- Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system and method. 2,465,468, Mar. 29.
- Mott, Reginald C.: *See*—Cavers, Thomas W., Franklin, Mott, and Taylor.
- Mott, Rogers J., Evanston, assignor to Commercial Plastics Company, Chicago, Ill. Ice cube tray. 2,481,525, Sept. 13.
- Motte, Albert A. F.: *See*—Julien, Maurice F. A., and Motte.
- Mottern, Henry O., Bloomfield, and F. M. Archibald, Elizabeth, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Distillation of alcohol from hydrolized mixtures of alkyl sulfates and sulfuric acid. 2,467,846, Apr. 19.
- Mottet, Fernand M., Park, W. Va. Glass cutting apparatus. 2,467,983, Apr. 19.
- Mottu, André, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique. Projection apparatus having opaque shutter and screen illumination means. 2,484,956, Oct. 18.
- Mouchiroud, Antoine F. G., and J. A. Trillat, Lyon, assignors to Societe "Rhodiacta," Paris, France. Apparatus and method of dry spinning vinyl compounds. 2,472,842, June 14.
- Moulinier, Edmond J., Paris, France. Pump. 2,483,924, Oct. 4.
- Moulton, Arthur C.: *See*—Moulton, George B., and A. C.
- Moulton, George B., and A. C. Moulton, Newfield, Maine. Telescoping tractor boom. 2,461,433, Feb. 8.
- Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Producing thin microporous silica coatings having reflection reducing characteristics and the articles so coated. 2,474,061, June 21.

- Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Solutions of tetraalkylsilicates. 2,482,684, Sept. 20.
- Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Altering the frequencies of piezoelectric crystals. 2,486,968, Nov. 1.
- Moulton, Harold R. and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Reflection modifying coatings and articles so coated and making the same. 2,466,119, Apr. 5.
- Moulton, Ralph W., assignor to Manganese Products, Inc., Seattle, Wash. Preparation of oxides of manganese. 2,459,714, Jan. 18.
- Moulton, Reginald F., Canton, Ohio. Mechanism applicable to rotary pumps, motors, etc. 2,461,073, Feb. 8.
- Mounce, George R.: *See*—
Leaver, Eric W., and Mounce.
- Mount, Alva L., and K. A. Raypholtz, Marion, Ind. Automatic adjustable pitch propeller. 2,481,032, Sept. 6.
- Mount, Wadsworth W., Summit, N. J., assignor to Inter-type Corporation, Brooklyn, N. Y. Single cable advancing mechanism and method. 2,490,378, Dec. 6.
- Mount Hope Machinery Company, assignee: *See*—
Robertson, John D.
- Mountjoy, Garrard: *See*—
Miller, Rudolph G., and Mountjoy.
- Mourfield, Carl L., assignor of one-fourth to M. W. Teplow, Dallas, Tex. Camera for making simultaneous exposures on separate films. 2,478,301, Aug. 9.
- Mousson, Jean M., Baltimore, Md., assignor, by mesne assignments, to Armo Steel Corporation. Desulfurizing stainless steel grinding dust. 2,488,926, Nov. 22.
- Mover, Hyman, Marblehead, assignor to Bunny Bear, Inc., Everett, Mass. Convertible bassinet and child's seat. 2,488,225, Nov. 15.
- Mowat, John H., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Substituted pyridine compound. 2,475,569, July 5.
- Mowat, John H., and J. H. Boothe, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Desoxy iso-xanthopterins and making same. 2,473,811, June 21.
- Mower, Stanley E., Montclair, N. J. Nesting bowls with handles. 2,479,765, Aug. 23.
- Mowery, Dwight F., Jr., Marblehead, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N (ethyl mercury)-p-toluene sulfonanilide as seed disinfectant. 2,481,438, Sept. 6.
- Mowry, David T.: *See*—
Craig, Alfred B., and Mowry.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company. 1-phenylethylidenemalononitrile. 2,458,017, Jan. 4.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Resinous interpolymers. 2,475,150, July 5.
- Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Esters of phthalideneacetic acid and their preparation. 2,483,371, Sept. 27.
- Mowry, David T., and G. E. Ham, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Vinyl halo benzoates. 2,465,316, Mar. 22.
- Mowry, David T., and G. E. Ham, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Vinyl alkoxy benzoates. 2,465,317, Mar. 22.
- Mowry, David T., and C. L. Mills, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer of styrene and a phenyl-vinyl acetate. 2,471,766, May 31.
- Mowry, David T., and W. H. Yanko, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of fumaronitrile. 2,471,767, May 31.
- Mowry, David T., and C. L. Mills, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer of a vinyl aromatic compound and an alkylidene phthalide. 2,489,972, Nov. 29.
- Moxley, Auben E., East Orange, assignor to Bel-Ray Company, Inc., Newark, N. J. Lubricator. 2,474,754, June 28.
- Moxness, Sven K., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Apparatus for molding plastics. 2,476,558, July 19.
- Moyer, Andrew J.: *See*—
Lockwood, Lewis B.
- Moyer, Andrew J., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Production of penicillin. 2,476,107, July 12.
- Moyer, C. L., Company, assignee: *See*—
Moyer, Charles L.
- Moyer, Charles L., assignor to C. L. Moyer Company, Chicago, Ill. Three-knife trimming machine. 2,482,685, Sept. 20.
- Moyer, Edward, Trenton, N. J. Tapering machine drilling attachment. 2,467,399, Apr. 19.
- Moyer, Frederick D.: *See*—
Goldsby, Fred L., and Moyer.
- Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal for floating roofs. 2,459,178, Jan. 18.
- Moyer, George E., Alturas, Calif. Bucket elevator. 2,478,302, Aug. 9.
- Moyer, Malcomb B., and W. F. Martin, Syracuse, N. Y. Saw blade holder and driver. 2,480,595, Aug. 30.
- Moyer, Samuel P., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of apatite using calcium silicate. 2,471,341, May 24.
- Moyer, Wendell W.: *See*—
Marmor, Ralph A., and Moyer.
- Moyer, Wendell W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Flavoring materials. 2,459,574, Jan. 18.
- Moyer, Wendell W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Treatment of corn steep-water. 2,477,763, Aug. 2.
- Moyers, Eunice, Washington, D. C. Folding mechanical pillow. 2,461,434, Feb. 8.
- Moyle, Clarence L.: *See*—
Britton, Edgar C., White, and Moyle.
- Moyle, Clarence L., assignor to The Dow Chemical Company, Midland, Mich. 1,4-di(aryloxy)-2-butenes. 2,488,498, Nov. 15.
- Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 1,4-di(aryloxy)-2-butenes. 2,488,497, Nov. 15.
- Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 1,4-di(halophenoxy)-2-butenes. 2,488,499, Nov. 15.
- Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 1,4-di(allylaryloxy)-2-butenes. 2,488,500, Nov. 15.
- Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 1,4-di(alkenylphenoxy)-2-butenes. 2,488,501, Nov. 15.
- Moynahan, George F., Jr., Sacramento, Calif. Spot frequency oscillator system. 2,457,830, Jan. 4.
- Moynihan, John J., Boston, Mass., assignor of one-half to J. B. Brennan, Bratenahl, Ohio. Electric thrust device. 2,462,533, Feb. 22.
- Mozingo, Guy K., assignor of twenty-five per cent to O. T. Olden and twenty-five per cent to R. Logston, Ashtabula, Ohio. Hose coupling. 2,461,074, Feb. 8.
- Mozingo, Ralph: *See*—
Harris, Stanton A., Folkers, Mozingo, and Arth.
Kackza, Edward A., and McPherson, Mozingo and Folkers.
- Sheehan, John C., Mozingo, and Folkers, and Tishler.
- Mozingo, Ralph, Elizabeth, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Making acetamido dimethylacrylic acid. 2,460,708, Feb. 1.
- Mozingo, Ralph, Elizabeth, S. A. Harris, Westfield, G. E. Arth, Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate and hydrogenating thiophenes. 2,487,051, Nov. 8.
- Mozur, Kasimier W., Erie, Pa. Measuring device extension. 2,467,847, Apr. 19.
- Mozzanini, Georges G., La Garenne Colombes, and M. Lebertre, Neuilly-sur-Seine, France. Speed controlling means for direct current motors. 2,462,120, Feb. 22.
- Mrozinski, John L., Danbury, Conn. Weldable implement self-restoring to carried position. 2,469,978, May 10.
- Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Current-varying apparatus and terminal member. 2,463,045, Mar. 1.
- Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Mounting for rotary shafts. 2,483,779, Oct. 4.
- Muchmore, Thomas F. C.: *See*—
Goodrich, Ralph D., Jr., and Muchmore.
- Muckerheide, Victor J.: *See*—
Brown, Alexander C., and Muckerheide.
- Myers, Latimer D., and Muckerheide.
- Muddiman, Earl R., Wilkinsburg, Pa., assignor to Carnegie-Illinois Steel Corporation. Sheet piling apparatus. 2,472,225, June 7.
- Mudon, T. J., Co. Inc., assignee: *See*—
Mudon, Thomas J.
- Mudon, Thomas J., assignor to T. J. Mudon Co. Inc., Chicago, Ill. Delayed-action switch. 2,488,024, Nov. 15.
- Muehl, Milton B., assignee: *See*—
Bettendorf, Jacob M.
- Mueller, Alfred: *See*—
Crane, Charles R., II, and Mueller.
- Mueller, Alfred, Berwyn, assignor to Crane Co., Chicago, Ill. Hydraulic valve actuating mechanism. 2,471,885, May 31.
- Mueller, Alfred I., Hoopston, Ill. Side posture chiropractic adjusting table. 2,472,675, June 7.
- Mueller, Alexander V., assignor to The Deming Company, Salem, Ohio. Pump. 2,477,079, July 26.
- Mueller, Chester, assignee: *See*—
Campos, Adolph.
- Mueller Co., assignee: *See*—
Grosboll, Lorin E.
Mueller, Frank H.
Mueller, Frank H., and Smith.
Mueller, Lucien W.
Mueller, Lucien W., Bowan, and Gould.
Mueller, Lucien W., and Smith.
Simpson, James W.
Smith, John J.
Smith, McDonald D., and Freer.

- Mueller, Edgar F., Brentwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Coil forming jig. 2,468,223, Apr. 26.
- Mueller, Emil G., Churchill Borough, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,472,169, June 7.
- Mueller, Erich O., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,459,673, Jan. 18.
- Mueller, Erich O., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Twin-motor bearing housing construction. 2,476,892, July 19.
- Mueller, Erich O., Irwin, and C. A. Atwell, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual-generator mounting. 2,476,893, July 19.
- Mueller, Ervin H., Grosse Pointe, Mich. Hood for gas valves. 2,469,074, May 3.
- Mueller, Ervin H., Grosse Pointe, Mich. Double gas burner with removable cap. 2,470,713, May 17.
- Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Projectile quenching apparatus. 2,492,434, Dec. 27.
- Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Drilling machine. 2,470,044, May 10.
- Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Service T. 2,482,687, Sept. 20.
- Mueller, George P., assignor to Wyeth Incorporated, Philadelphia, Pa. Streptomycin purification. 2,485,106, Oct. 18.
- Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Crankshaft and making same. 2,472,261, June 7.
- Mueller, Homer L., Cleveland, Ohio. Chain guard. 2,492,879, Dec. 27.
- Mueller, John, North Bergen, N. J., and J. M. McDonnell, Baldwin, assignors to Remington Rand Inc., Buffalo, N. Y. Paper-feed mechanism for accounting machines. 2,468,341, Apr. 26.
- Mueller, John A., Milwaukee, Wis. Seeder conveyer. 2,462,276, Feb. 22.
- Mueller, Joseph B., Prince George, British Columbia, Canada. Metal snowshoe. 2,486,868, Nov. 1.
- Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,464,254, Mar. 15.
- Mueller, L. J., Furnace Company, assignee: *See*—Hill, Napoleon E., and Ress.
- Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,482,686, Sept. 20.
- Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Gas meter setter for curb box meters. 2,489,660, Nov. 29.
- Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter connection. 2,492,494, Dec. 27.
- Mueller, Lucien W., W. J. Bowman, and W. E. Gould, assignors to Mueller Co., Decatur, Ill. Corporation stop. 2,481,142, Sept. 6.
- Mueller, Lucien W., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Service clamp. 2,488,064, Nov. 15.
- Mueller, Moritz L., Seattle, Wash. Heating system. 2,480,596, Aug. 30.
- Mueller, Moritz L., Columbus, Ohio. Heating apparatus. 2,481,861, Sept. 13.
- Mueller, Otto, Dearborn, Mich. Force applying tool. 2,487,262, Nov. 8.
- Mueller, Otto J., Rutherford, and A. L. Babcock, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Apparatus for cutting wires and welding them to elements. 2,465,390, Mar. 29.
- Mueller, Otto N., Sheffield, Ala., assignor to Reynolds Metals Company, Richmond, Va. Demountable shelving. 2,462,330, Feb. 22.
- Mueller, Robert A.: *See*—Lemley, John, Hill, and Mueller.
- Mueller, Robert K., Newton, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Dynamo transformer. 2,488,734, Nov. 22.
- Mueller, Robert W., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermocouple burner control device. 2,477,078, July 26.
- Mueller, Verne: *See*—Monack, Albert J., and Mueller.
- Mueller, Walter W., Douglaston, N. Y. Swivel joint. 2,476,617, July 19.
- Mueller, William J., Charleston, W. Va., assignor to United States Rubber Company, New York, N. Y. Coagulation of synthetic rubber latices. 2,487,263, Nov. 8.
- Mueller, William L., assignee: *See*—Drew, Edward J.
- Mueller, William S., Amherst, Mass., assignor to the United States of America as represented by the Secretary of War. Stabilization of butter. 2,472,119, June 7.
- Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Mixer. 2,464,523, Mar. 15.
- Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Composite wall panel. 2,489,922, Nov. 29.
- Muehch, Frank J., Inglewood, and H. S. Ross, Los Angeles, Calif. Valve mechanism. 2,462,989, Mar. 1.
- Muench, Joseph A., New York, N. Y. Curtain support for an article of furniture. 2,491,755, Dec. 20.
- Muench, Joseph A., New York, N. Y. Curtain support for an article of furniture. 2,491,756, Dec. 20.
- Mugdan, Martin: *See*—Bramwyche, Peter L., and Mugdan.
- Mugnai, Fred J.: *See*—Flori, Irving, and Mugnai.
- Muhlack, George, Philadelphia, Pa. Jig for forming mitered pipe joints. 2,462,121, Feb. 22.
- Muhlbach, Alfred, Los Angeles, Calif. Latch mechanism. 2,491,682, Dec. 20.
- Muhly, Fred, assignee: *See*—Muhly, Theodore H.
- Muhly, Theodore H., North Fork, Calif., assignor, by decree of distribution, of one-third to F. Muhly, one-third to C. Harris, and one-third to M. Lewis. Water pump. 2,480,417, Aug. 30.
- Muir, Harry A.: *See*—Bissell, Frederick E., Jr., and Muir.
- Muise, Robert K., Congers, N. Y. Material handling device. 2,472,843, June 14.
- Mukoyed, Paul, Toronto, Ontario, Canada. Page holding clip for checkbooks. 2,488,226, Nov. 15.
- Mulder, Allen C., assignor to Miller Electric Manufacturing Co., Appleton, Wis. Adjustable current transformer. 2,475,044, July 5.
- Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a current converting tube. 2,459,284, Jan. 18.
- Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Gaseous discharge tube. 2,465,256, Mar. 22.
- Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Photoelectric cell and manufacturing it. 2,491,199, Dec. 13.
- Muldoon, William J., Garden City, N. Y., assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Batteryless ringing device. 2,492,056, Dec. 20.
- Mulé, José: *See*—Murphy, Eduardo, Mulé, and Caniglia.
- Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mounting bracket. 2,467,770, Apr. 19.
- Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flexible coupling. 2,476,894, July 19.
- Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vibration damper for dynamoelectric machines. 2,484,241, Oct. 11.
- Mulhern, Marvin J.: *See*—Herskind, Carl C., and Mulhern.
- Mull, James F., Los Angeles, Calif. Refrigerator car. 2,475,715, July 12.
- Mullady, Daniel J., Kevin, Mont. Increasing flow of wells. 2,466,673, Apr. 12.
- Mullady, Daniel J., Kevin, Mont. Increasing flow of wells. 2,466,674, Apr. 12.
- Mullard Radio Valve Company Limited, The, assignee: *See*—Bailey, Christopher E. G. Richards, Claude L.
- Mullen, Charles F., Long Branch, N. J., assignor to Republic Aviation Corporation, Farmingdale, N. Y. Sorter. 2,472,718, June 7.
- Mullen, John B.: *See*—Blake, Ivan C., Harriss, and Mullen.
- Mullen, Josephine H., Dayton, Ohio. Clothes hanger. 2,472,262, June 7.
- Mullen, Thomas W.: *See*—Beatty, Horatio E., and Mullen.
- Muller, Carl W.: *See*—Crane, Carl J., Holloman, Muller, and Stout.
- Muller, Carl W., Osborn, Ohio. Device for simulating automatic radio compass indications in ground trainers. 2,460,305, Feb. 1.
- Muller, Carl W., Osborn, Ohio. Automatic instrument landing signal control device for aviation ground trainers. 2,476,316, July 19.
- Muller, Christopher G., Willcox, Ariz. Rotary abutment pump or motor. 2,489,800, Nov. 29.
- Muller, Conrad R., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency modulation system. 2,489,311, Nov. 29.
- Müller, Ferdinand C. H., and T. J. Pilliod, assignors to The Pilliod Cabinet Company, Swanton, Ohio. Box hinge attaching means and method. 2,481,862, Sept. 13.
- Muller, Fred A., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Coaxial cable. 2,462,887, Mar. 1.
- Muller, Fred A., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Measuring impedance. 2,490,827, Dec. 13.
- Muller, George W., Miami, Fla. Antisplitting means for articles of timber. 2,470,514, May 17.
- Muller, Gertrude A., Fort Wayne, Ind., assignor to The Toidey Company, Gertrude A. Muller, Inc. Infant's toilet seat attachment. 2,480,812, Aug. 30.
- Muller, Geza W., Bron, France; vested in the Attorney General of the United States. Gear pump with flow cushioning means. 2,460,649, Feb. 1.

- Müller, Géza W., Bron, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venissieux (Department of Rhone), France. Gear pump. 2,481,143, Sept. 6.
- Muller, Herman E., Jr., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Roll grooving apparatus. 2,476,211, July 12.
- Muller, Jacques, La Garenne Colombes, France; vested in the Attorney General of the United States. Coupling for piping. 2,474,319, June 28.
- Muller, Johan A.: *See—*
Tucker, Warren R., and Muller.
Waldie, George A., and Muller.
- Muller, Johan A., assignor to J. L. Lenz, Dayton, Ohio. Pipe coupling. 2,459,956, Jan. 25.
- Muller, John A., Princeton, assignor to Thermoid Company. Trenton, N. J. Hose coupling. 2,473,441, June 14.
- Muller, Joseph C., Jr.: *See—*
Grace, Worthington T., and Muller, Jr.
- Muller, Jules, Chicago, Ill., assignor to E. W. Bliss Company, Detroit, Mich. Overload release for power presses. 2,485,009, Oct. 18.
- Muller, Nathan W.: *See—*
Bowden, James H., and Muller.
- Muller, Otto, New York, N. Y. Differential fitting. 2,491,323, Dec. 13.
- Muller, Reinhold J., assignor of one-half to J. R. Hayden, Hutchinson, Minn. Toe straightening device. 2,492,312, Dec. 27.
- Mullett, Howard G., Whitefish Bay, and J. L. Sevedge, Wauwatosa, assignors to Bradley Washfountain Co., Milwaukee, Wis. Compartment shower. 2,463,637, Mar. 8.
- Mulligan, Maurice J.: *See—*
Lovell, Wheeler G., Miller, Mulligan, and Lichtenwalner.
- Mullin, Charles J., Arlington, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Power supply circuit means. 2,478,303, Aug. 9.
- Mullin, Grover E.: *See—*
Cardwell, Paul H., and Mullin.
- Mullinix, Charles D., Los Angeles, Calif. Moistureproof package. Re. 23,096, Apr. 5.
- Mullins Manufacturing Corporation, assignee: *See—*
Adams, Marshall B.
Stanitz, Jacques.
Woina, Benjamin A.
- Mulqueen, Michael, assignor to Hatters Fur Exchange, Inc., Walden, N. Y. Recovering fur, hair, or wool from hide scraps and skins. 2,480,761, Aug. 30.
- Mulquin, William R., Dundalk, Md., assignor to Bethlehem Steel Company. Sheet movement responsive counting device. 2,482,201, Sept. 20.
- Mulsow, Nelson, assignor of one-fourth to W. B. Denton and one-fourth to J. Schmid, Marlin, Tex. Automatic knob lock. 2,478,304, Aug. 9.
- Mulvany, Harry A., Berkeley, Calif. Recovery and purification of water from exhaust gases on aircraft. 2,479,766, Aug. 23.
- Mulveny, Frank, assignee: *See—*
Andrade, Frank I.
- Mumford, George C., Larchmont, N. Y. Lather churn. 2,489,044, Nov. 22.
- Mumma, Harold J., Los Angeles, Calif., assignor to Food Machinery and Chemical Corporation. Counter mechanism. 2,484,113, Oct. 11.
- Mumma, Robert E.: *See—*
Desch, Joseph R., Gulden, and Mumma.
- Mumma, Robert E., and F. X. Bucher, assignors to The National Cash Register Company, Dayton, Ohio. Communication system. 2,466,467, Apr. 5.
- Mumper, Albert E., Ottawa, Ill. Chicken scalding machine. 2,479,395, Aug. 16.
- Muncie Gear Works, Inc., assignee: *See—*
Kemler, Emory N.
Smith, Marvin M., and Kemler.
- Munday, Ernest J.: *See—*
Horne, William A. J., and Munday.
- Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Fluidization process for producing aluminum. 2,462,661, Feb. 22.
- Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Handling finely divided materials. 2,467,149, Apr. 12.
- Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Conversion processes in the presence of a dense turbulent body of finely divided solid material. 2,468,508, Apr. 26.
- Munday, John C., Cranford, N. J., and E. W. S. Nicholson, Baton Rouge, La., assignors to Standard Oil Development Company. Maintenance of catalyst activity in hydrocarbon conversion processes. 2,472,844, June 14.
- Munday, John C., Cranford, and A. H. Matuszak, Jersey City, N. J., assignors to Standard Oil Development Company. Preparation of triptane structure compounds. 2,490,276, Dec. 6.
- Munday, John C., Cranford, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Lubricant composition. 2,491,683, Dec. 20.
- Mundet Cork Corporation, assignee: *See—*
Wand, Albert I.
- Mundhenke, Ernest C., Lewis, Kans. Tractor hitch. 2,467,593, Apr. 19.
- Mundt, Walter F., Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Spool. 2,478,775, Aug. 9.
- Mundy, John D., Los Angeles, Calif. Fishhook remover. 2,469,699, May 10.
- Munford, Theodore W., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Furnace with removable coil stand. 2,485,453, Oct. 18.
- Mungall, William, Dayton, Ohio. Multiple limit switch device. 2,468,772, May 3.
- Mungan, Paul F., Philadelphia, Pa. Locking device. 2,463,195, Mar. 1.
- Munger, Hamnett, P., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Controlling flow brightening of plated metal articles. 2,490,084, Dec. 6.
- Munger, Thornton T., and T. Kachin, Portland, Oreg., dedicated to the free use of the People in the territory of the United States. Multiple-spur tree climber. 2,484,181, Oct. 11.
- Munk, Max M., Cottage City, Md. Propeller containing diagonally disposed fibrous material. 2,484,308, Oct. 11.
- Munk, William P., San Francisco, Calif. Adjustable pump rod. 2,465,600, Mar. 29.
- Munn, Elvin R., St. Louis, Mo. Game block of non-magnetizable material having a magnetizable strip concealed in one end thereof. 2,474,365, June 28.
- Munn, Theodore T.: *See—*
Elliott, Alonzo K., and Munn.
- Munro, Alexander C., Jr., Los Angeles, Calif. Classifier. 2,489,661, Nov. 29.
- Munro, Alexander L., assignor to Smith Engineering Works, Milwaukee, Wis. Gyratory crusher with wedge secured bowl liner. 2,468,342, Apr. 26.
- Munro, George R.: *See—*
Pelikan, George, and Munro.
- Munro, George R., Massapequa, and W. C. Dilg, Hewlett, assignors to Waugh Equipment Company, New York, N. Y. Shock absorbing structure for railway draft gears. 2,469,126, May 3.
- Munro, Gordon, Bremerton, Wash. Drill grinder. 2,471,443, May 31.
- Munro, Gordon, Dorchester, Mass. Marine construction. 2,482,927, Sept. 27.
- Munro, James H.: *See—*
Abrey, John, Munro, and Youd.
- Munroe, David J., assignor to Webster Electric Company, Racine, Wis. Split pulley. 2,475,800, July 12.
- Munroe, David J., and J. C. McAlvay, assignors to Webster Electric Company, Racine, Wis. Variable delivery pump. 2,459,388, Jan. 18.
- Munsey, John H., Englewood, N. J. Multiwire connector. 2,486,195, Oct. 25.
- Munsingwear, Inc., assignee: *See—*
Chatfield, Franklin.
Helmer, Grover H.
- Munson, Alexander L., Port Washington, and R. C. Follett, Garden City, N. Y. Apparatus and method of maintaining the freshness of counter displayed vegetables. 2,469,979, May 10.
- Munson, Charles E., assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Disposable dispensing device. 2,469,399, May 10.
- Munson, John K., Olympia, Wash., assignor to L. E. Munson, Springfield, Ohio. Dump scow. 2,476,108, July 12.
- Munson, Laverne E., assignee: *See—*
Munson, John K.
- Munson, Ralph H., St. Paul, Minn. Control for water heaters. 2,467,944, Apr. 19.
- Munson, Wilden A.: *See—*
Little, John B., and Munson.
- Munson, Wilden A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic reproducer using endless tape records. 2,468,224, Apr. 26.
- Munster, Allen C., assignor to Philco Corporation, Philadelphia, Pa. Deviation correction for cathode-ray beams. 2,457,911, Jan. 4.
- Munster, Allen C., Philadelphia, and D. E. Sunstein, Cynwyd, assignors to Philco Corporation, Philadelphia, Pa. Deviation correction for cathode-ray beams. 2,458,291, Jan. 4.
- Munster, Allen C., Philadelphia, and D. E. Sunstein, Cynwyd, assignors to Philco Corporation, Philadelphia, Pa. Deflecting signal generator. 2,491,684, Dec. 20.
- Munter, Casimir J., Upper St. Clair Township, Allegheny County, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Retarding the reversion of alkali-metal phosphate glass in aqueous solutions and a composition of matter thereof. 2,458,292, Jan. 4.
- Munters, Carl G., Stockholm, Sweden. Cold storage room arrangement having means for controlling the moisture content in the insulation. 2,485,630, Oct. 25.
- Munton, John P.: *See—*
Clem, Everett W., and Munton.
- Muntwyler, Charles L., Oak Park, and E. J. Frank, Cicero, assignors to AA Wire Products Co., Chicago, Ill. Garment hanger. 2,473,898, June 21.
- Muntz, Alan, & Company Limited, assignee: *See—*
Beale, Evelyn S. L.
- Munz, Charles A., assignor to C. Mabel, Los Angeles, Calif. Sewing machine. 2,491,685, Dec. 20.

- Murat, Adolf, Woonsocket, R. I. Trailer hitch. 2,490,645, Dec. 6.
- Murray, George M., Hudson Heights, N. J., assignor to Daniel Smilo and Sons, Inc., New York, N. Y. Mesh link construction. 2,492,393, Dec. 27.
- Murch, Charles J., Franklin, Maine. Carbon arc control. 2,469,664, May 10.
- Murchison, Blackwell K., Brooklyn, N. Y. Blade sharpener. 2,479,767, Aug. 23.
- Murdock, John P., Beechwood Park, Pa. Conduit elbow and making it. 2,491,757, Dec. 20.
- Murdock, Benjamin, Brooklyn, N. Y. Girdle. 2,465,913, Mar. 29.
- Murdock, David, Tampa, Fla. Cable connector. 2,477,818, Aug. 2.
- Murdock, Frederick D., Barrington, and J. A. De Angelis, Cumberland, assignors to H. D. Peck, Providence, R. I. Loom attachment for weaving ladder webbing. 2,469,202, May 3.
- Murdock, Paul F.: See—
Calamari, Peter T., and Murdock.
- Murf, Andrew, Sharpsburg, Pa. Folding doll carriage. 2,464,647, Mar. 15.
- Murkham, Leonard W., assignor to Reslosound Limited, London, England. Electrodynamical loud - speaker. 2,490,227, Dec. 6.
- Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade magazine. 2,473,812, June 21.
- Murph, Donald H., Dallas, Tex. Nutcracker. 2,474,591, June 28.
- Murphy, Ernest W., Yreka, Calif. Collapsible wheelbarrow. 2,465,112, Mar. 22.
- Murphy, Phelps J., and L. Schlossberg, United States Navy. Artificial eye and making same. 2,467,401, Apr. 19.
- Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Controlling reaction temperatures. 2,459,836, Jan. 25.
- Murphy, Alfred J., Petts Wood, and R. J. M. Payne, New Malden, assignors to Magnesium Elektron Limited, London, England. Producing magnesium base alloys. 2,461,229, Feb. 8.
- Murphy Automatic Pinsetter Co., Inc., assignee: See—
Murphy, John F.
- Murphy, Clyde G., Parlin, and J. P. Sermattei, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and applying same. 2,480,824, Sept. 6.
- Murphy, Clyde G., Raritan Township, Middlesex County, N. J., and J. P. Sermattei, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof heat sealing lacquer. 2,490,536, Dec. 6.
- Murphy, Clyde G., Raritan Township, Middlesex County, N. J., and J. P. Sermattei, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Decorative protective coating composition. 2,492,760, Dec. 27.
- Murphy, Daniel, New Castle, Pa. Double-acting centrifugal pump. 2,461,835, Feb. 15.
- Murphy, Daniel, New Castle, Pa. Seal for centrifugal pumps. 2,479,178, Aug. 16.
- Murphy, Daniel, New Castle, Pa. Primer for pumps and the like. 2,483,019, Sept. 27.
- Murphy, Daniel W., West Islip, N. Y. Undergarment for men. 2,473,692, June 21.
- Murphy, Donard, New York, N. Y. Combination toothbrush and dentifrice receptacle. 2,459,285, Jan. 18.
- Murphy, Eduardo, J. Mulé, and J. Caniglia, Rosario, Argentina. Spark plug for internal-combustion motors. 2,490,646, Dec. 6.
- Murphy, Edward B., Linden, N. J., and S. Segal, New York, N. Y., assignors to Wilson-Jones Company, Chicago, Ill. Paper trimmer. 2,460,842, Feb. 8.
- Murphy, Edward F., assignee: See—
Murphy, Joseph F.
- Murphy, Edward J.: See—
Bayer, Alfred R., and Murphy.
- Murphy, Eugene, Vancouver, British Columbia, Canada. Bookrests and the like. 2,469,511, May 10.
- Murphy, Frank L., Dorchester, Mass. Airplane toy. 2,470,407, May 17.
- Murphy, Frank L., and J. E. Candlin, Jr., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle sheathing arrangement. 2,476,451, July 19.
- Murphy, Frank L., and C. H. Apel, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Seat and leg rest arrangement. 2,481,943, Sept. 13.
- Murphy, Frank P., assignee: See—
Rohrman, Henry C.
- Murphy, Frank W., Tulsa, Okla. Starting switch. 2,478,305, Aug. 9.
- Murphy, Frank W., and L. Carlton, Tulsa, Okla. Automatic safety ignition switch. 2,467,333, Apr. 12.
- Murphy, Gerald E., Portsmouth, Ohio. Clamping ring. 2,474,062, June 21.
- Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Railway sleeping car. 2,462,027, Feb. 15.
- Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Sleeping car. 2,464,749, Mar. 15.
- Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Sleeping car room arrangement. 2,485,060, Oct. 18.
- Murphy, Harold P., Ridley Park, Pa., assignor to The Electric Storage Battery Company. Container liquid level indicator. 2,468,833, May 3.
- Murphy, Howard, Glen Ridge, N. J., assignor to Curtiss-Wright Corporation. Articulated and universal joint for propellers and other mechanisms. 2,473,899, June 21.
- Murphy, Ivester R., U. S. Army. Explosively actuated tool. 2,472,120, June 7.
- Murphy, James E., assignee: See—
Slater, Frederick W.
- Murphy, James F., Philadelphia, Pa. Punch jig. 2,458,524, Jan. 11.
- Murphy, James T., assignee: See—
Franchi, Aldo M.
- Murphy, John F., Middleboro, assignor to Murphy Automatic Pinsetter Co., Inc., Cambridge, Mass. Pin discharging mechanism for bowling alleys. 2,469,886, May 10.
- Murphy, John F., Springfield, Mass., and R. Omdahl, St. Paul, Minn., assignors to Monsanto Chemical Company, St. Louis, Mo. Synthetic resin adhesive. 2,486,756, Nov. 1.
- Murphy, John J., Toledo, Ohio. Hair drying apparatus. 2,464,776, Mar. 15.
- Murphy, John J., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Cartridge belt link. 2,480,950, Sept. 6.
- Murphy, John M., assignor to General Motors Corporation, Dayton, Ohio. Refrigeration compressor starting unloader. 2,458,018, Jan. 4.
- Murphy, John M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus with charging plug. 2,462,535, Feb. 22.
- Murphy, Joseph F., West Roxbury, assignor of one-half to E. F. Murphy, Jamaica Plain, Mass. Photo-composing type block. 2,489,458, Nov. 29.
- Murphy, Lauretta M., administratrix: See—
Maeder, Abbott S.
- Murphy, Louis N., Detroit, Mich. Spark plug shield. 2,468,225, Apr. 26.
- Murphy, Louis N., Detroit, Mich. Spark plug shield. 2,468,226, Apr. 26.
- Murphy, Merrill M., assignor to The Marathon Manufacturing Co., Marathon, N. Y. Portable lifting jack. 2,470,105, May 17.
- Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Disconnectible coupling device. 2,470,317, May 17.
- Murphy, Thomas W., Narberth, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Double orifice solid cone spray nozzle. 2,484,577, Oct. 11.
- Murphy, William H., Chicago, Ill., assignor, by mesne assignments, to Engineering Manufacturing Co., Sheboygan, Wis. Drafting apparatus. 2,490,315, Dec. 6.
- Murray, Albert L., Auburn, Ind. Fabricating swatter heads. 2,488,317, Nov. 15.
- Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Light-sensitive piperine compositions. 2,475,980, July 12.
- Murray, Charles W.: See—
Tint, Howard, and Murray.
- Murray, Clifford V.: See—
Lloyd, John, and Murray.
- Murray Corporation of America, The, assignee: See—
Calley, Joseph L.
- Haberstump, Alfred H.
- Murray, D. J., Manufacturing Co., assignee: See—
Payzer, Stanley D.
- Rosmait, John A.
- Murray, George E. R.: See—
Wilson, Benjamin J., Machler, Polster, and Murray.
- Murray, George W.: See—
Roehner, Theodore G., and Murray.
- Murray, James J.: See—
Specter, Benjamin, and Murray.
- Murray Manufacturing Corporation, assignee: See—
Catherwood, William S., Jr.
- Murray, Maurice J.: See—
Hervet, George L., and Murray.
- Murray, Maurice J., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic isomerization of olefinic hydrocarbons. 2,487,978, Nov. 15.
- Murray-Ohio Manufacturing Company, The: See—
Kraeff, Herman L., and Walters.
- Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive photographic element. 2,462,534, Feb. 22.
- Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of colloid color former silver halide dispersions. 2,463,794, Mar. 8.
- Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color yielding photographic elements. 2,481,476, Sept. 6.
- Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive photographic element for radiography. 2,489,662, Nov. 29.

- Murray, Peter R., Dayton, Ohio. Automatic transmission of data from aircraft. 2,467,400, Apr. 19.
- Murray, Riley A., Sr., Emporium, Pa. Variable area wing. 2,487,465, Nov. 8.
- Murray, Robert C.: *See*—
Taylor, Nelson W., and Murray.
- Murray, Thomas F., Jr.: *See*—
Kenyon, William O., and Murray, Jr.
- Murray & Tregurtha, Inc., assignee: *See*—
Wanzer, Arthur W.
- Murray, Victor E., assignor of three-fifths to W. O. Mashburn, Jr., and one-fifth to R. A. Black, Cincinnati, Ohio. Egg opener with an annular cutting flange and suction cup holder. 2,457,912, Jan. 4.
- Murray, William A., Ajo, and G. T. Alley, Tucson, Ariz. Curtain rod guide. 2,459,001, Jan. 11.
- Murray, William F., Washington, D. C. Grater or shredder. 2,477,198, July 26.
- Murray, William M., North Balclutha, New Zealand. Ball-and-socket vehicle coupling. 2,459,448, Jan. 18.
- Murray, William S.: *See*—
Benning, Anthony F., McHarness, and Murray.
Ludwick, Maria T., and Murray.
- Murray, William S., assignor to The Indium Corporation of America, Utica, N. Y. Indium treated copper clad bearing and like articles and making the same. 2,465,329, Mar. 22.
- Murrey, Dorothy S., Caldwell, Ohio. Baby diaper cover. 2,489,104, Nov. 22.
- Mursch, John, Teaneck, N. J. Golf tee. 2,469,928, May 10.
- Murtagh, Gilbert, and J. B. Platt, assignors to James McCutcheon & Co., New York, N. Y. Sofa bed construction. 2,483,296, Sept. 27.
- Murtaugh, Charles F.: *See*—
De Luisi, Vincent L., and Murtaugh.
- Musal, Robert, Maple Heights, Ohio. Magnetic compass mounting. 2,482,688, Sept. 20.
- Musebeck, George E.: *See*—
Bennett, Frank P., and Musebeck.
- Musgrave, Herman C., East Cleveland, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,473,659, June 21.
- Musher Foundation, Incorporated, assignee: *See*—
Musher, Sidney.
- Musher, Sidney, assignor to Musher Foundation, Incorporated, New York, N. Y. Method of comminuting oats to produce a stabilizing material. 2,466,260, Apr. 5.
- Musher, Sidney, assignor to Musher Foundation, Incorporated, New York, N. Y. Processed oat fraction. 2,466,261, Apr. 5.
- Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Baked food composition. 2,487,069, Nov. 8.
- Mushier, Harold J., Manhasset, N. Y. Adjustable skirt. 2,487,580, Nov. 8.
- Musinski, Joseph J., Burbank, Calif. Illuminating device. 2,468,773, May 3.
- Muskat, Louis R., Oak Park, assignor to Triangle Package Machinery Company, Chicago, Ill. Automatic weighing machine. 2,491,056, Dec. 13.
- Muskat, Morris: *See*—
Coggeshall, Norman D., and Muskat.
- Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Determining the fluid content of well cores. 2,458,093, Jan. 4.
- Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for testing insulating materials. 2,463,297, Mar. 1.
- Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Detecting mud films on exposed rock strata. 2,484,422, Oct. 11.
- Muskegon Metal Products Corporation, assignee: *See*—
Wadkins, Bert M.
- Muskegon Piston Ring Company, assignee: *See*—
Hamm, Douglas W.
McFall, Thurlow E.
Stenwall, Robert.
- Musschoot, Albert, Chicago, Ill., assignor to Link-Belt Company. Hydraulic vibrator. 2,482,790, Sept. 27.
- Musselman, Alvin J., Santa Barbara, Calif. Tire fabric. 2,468,304, Apr. 26.
- Musselman, Henry E., and W. H. Buck, Kalamazoo, Mich. Combined cigarette case and lighter. 2,460,427, Feb. 1.
- Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricants. 2,480,873, Sept. 6.
- Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant composition. 2,484,843, Oct. 18.
- Musser, Clarence W.: *See*—
Kroeger, William J., and Musser.
- Mussett, Norman D., Croydon, England. Device for moistening tape and other articles. 2,482,989, Sept. 27.
- Mussman, Willard H., Vinton, Iowa. Rope releasing device. 2,478,124, Aug. 2.
- Musso, Paul A.: *See*—
Smith, Richard E., and Musso.
- Mussulman, Wayne C.: *See*—
Larson, Roy F., Liggett, and Mussulman.
- Mustafa, Ferhad, Highland Park, Mich. Collapsible wheel chair. 2,470,258, May 17.
- Mustard, James A., assignor to The Parker Pen Company, Janesville, Wis. Mechanical pencil. 2,484,640, Oct. 11.
- Mustee, Bernard E., Cleveland, Ohio, assignor to E. L. Mustee and Sons, Inc. Fluid heater. 2,474,401, June 28.
- Mustee, E. L., and Sons, Inc., assignee: *See*—
Mustee, Bernard E.
- Mustee, Joseph F., Cleveland, Ohio. Gas burner. 2,464,255, Mar. 15.
- Mustee, Joseph F., Cleveland, Ohio. Water heater. 2,492,104, Dec. 20.
- Mustonen, Reino H.: *See*—
Gruenberg, Ivor J., and Mustonen.
- Muter, Arthur J., London, England. Parallel jaw pliers. 2,462,536, Feb. 22.
- Muter, Arthur J., London, England. Pivoted-handle tool for gripping, crushing, cutting, and perforating such as castrators, tattooing forceps, pliers, and the like. 2,476,895, July 19.
- Muth, Frank W., Green Island, N. Y. Page notching device. 2,473,604, June 21.
- Muth, John, Jr.: *See*—
Muth, William and J., Jr.
- Muth, William and J., Jr., Brooklyn, N. Y. Musical instrument. 2,471,534, May 31.
- Muthart, Richards B., assignee: *See*—
Muthart, Stanley E.
- Muthart, Stanley E., assignor of one-third to S. E. Muthart, Jr., and one-third to R. B. Muthart, Detroit, Mich. Baseball game apparatus. 2,490,737, Dec. 6.
- Muthart, Stanley E., Jr., assignee: *See*—
Muthart, Stanley E.
- Mutual Manufacturing Co., assignee: *See*—
Keck, Harold P.
- Muzzy, Elizabeth D., San Francisco, Calif. Taper holder and snuffer. 2,461,124, Feb. 8.
- Mycalex Corporation of America, assignee: *See*—
Monack, Albert J., and Mueller.
- Myddleton, William W.: *See*—
Marriott, Robert H., and Myddleton.
- Mydlil, August L., Itasca, Ill., assignor to Motorola, Inc. Wiring arrangement. 2,492,236, Dec. 27.
- Myer, Jack, assignor of one-half to H. Hofer, San Francisco, Calif. Brake tester. 2,479,768, Aug. 23.
- Myer, Wilbur V., San Diego, Calif. Building construction. 2,490,537, Dec. 6.
- Myers, Bernard L., Dallas, Tex. Toggle and cam operated opposed friction clutch. 2,466,262, Apr. 5.
- Myers, Charles L., Philadelphia, Pa. Swingable curtain-type fue damper. 2,485,306, Oct. 18.
- Myers, Clayton S., Westfield, N. J., assignor to Bakelite Corporation. Polyethylene compositions. 2,462,331, Feb. 22.
- Myers, Donald C., Dallas, Tex. Clothes hanger assembly. 2,460,997, Feb. 8.
- Myers, E. A., and Sons, assignee: *See*—
Lybarger, Samuel F.
- Myers, E. E., and Bro. Company, The, assignee: *See*—
Conery, William J.
Spreng, Warren M.
- Myers, Floyd M., Willow Grove, Pa. Spring tool. 2,465,030, Mar. 22.
- Myers, Herman E., Milwaukee, Wis. Boring head with facing feed. 2,489,719, Nov. 29.
- Myers, John K.: *See*—
Young, Ralph D., and Myers.
- Myers, John T., assignor to Kendall Machine and Tool Company, Battle Creek, Mich. Reciprocating bender for forming tubular bushings. 2,480,378, Aug. 30.
- Myers, John W., Balboa Island, assignor to Zinsmeyer Company, Los Angeles, Calif. Electrical bus structure. 2,477,523, July 26.
- Myers, Joseph W., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Heating unit. 2,464,147, Mar. 8.
- Myers, Joseph W., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Coffee filter. 2,472,955, June 14.
- Myers, Joseph W., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Cord-supporting device for flatirons. 2,478,498, Aug. 9.
- Myers, Latimer D.: *See*—
Fitzpatrick, J. D., and Myers.
- Myers, Latimer D., Cincinnati, and V. J. Muckerheide, Silverton, assignors to Emery Industries, Inc., Cincinnati, Ohio. Cutting oil base. 2,466,645, Apr. 5.
- Myers, Latimer D., and J. D. Fitzpatrick, assignors to Emery Industries, Inc., Cincinnati, Ohio. Plasticized prolamines. 2,470,515, May 17.
- Myers, Latimer D., and J. D. Fitzpatrick, assignors to Emery Industries, Inc., Cincinnati, Ohio. Plasticizer. 2,474,010, June 21.
- Myers, Latimer D., Cincinnati, Ohio, and J. W. Ritz, Bergenfield, N. J., assignors to Emery Industries, Inc., Cincinnati, Ohio. Drying oils. 2,479,857, Aug. 23.
- Myers, Latimer D., and R. W. Webster, assignors to Emery Industries, Inc., Cincinnati, Ohio. Plasticizers. 2,485,910, Oct. 25.
- Myers, Lee A.: *See*—
Herrmann, Carl V., and Myers.

- Myers, Lee A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of hydrogen chloride from off-gas. 2,490,454, Dec. 6.
- Myers, Louis, Rockford, Ill. Electric drink mixer. 2,477,764, Aug. 2.
- Myers, Mervin W.: See—
Burns, Edward C., Jr., and Myers.
- Myers, Mortimer A., Bellaire, assignor to The Maintenance Company, Inc., New York, N. Y. Automatic operator for elevator doors and hall doors. 2,458,402, Jan. 4.
- Myers, Walter, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Spiral stitching sewing machine. 2,488,095, Nov. 15.
- Myers, William E., Louisville, Ky. Waste guard. 2,476,618, July 19.
- Myers, William H., assignor to Hercules Powder Company, Wilmington, Del. Treatment of cellulose ethers. 2,482,862, Sept. 27.
- Myerson, Martin S.: See—
Myerson, Simon and M. S.
- Myerson, Richard L.: See—
Myerson, Simon and R. L.
- Myerson, Simon, Brookline, Mass. Artificial tooth and uniting an artificial tooth to a tooth support. 2,463,549, Mar. 8.
- Myerson, Simon, Brookline, Mass. Method of and a molding composition for use in making oral supports. 2,466,040, Apr. 5.
- Myerson, Simon and R. L., Brookline, Mass. Making artificial teeth. 2,463,550, Mar. 8.
- Myerson, Simon and M. S., Brookline, Mass. Making artificial teeth. 2,463,551, Mar. 8.
- Myerson Tooth Corporation, assignee: See—
Kelly, Ernest B.
- Mygas, Nicholas, West Orange, N. J. Articulate handle for paint brushes and the like. 2,469,050, May 3.
- Myhre, Conrad B., Wilkinsburg, and Z. J. Dragar, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control desk having channel-shaped frame members. 2,476,896, July 19.
- Myhre, Pearl K., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic motor-controlled resonating system. 2,476,897, July 19.
- Mykiatiuk, Joseph, Toronto, Ontario, Canada. Safety housing for gas burner grills. 2,462,537, Feb. 22.
- Myles, Asa H., and A. C. Prottegeier, Solon, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Induction motor control system. 2,460,234, Jan. 25.
- Myles, William J., New York, N. Y., assignor to Celanese Corporation of America. Bis-trialkyl citrate sulfites. 2,465,391, Mar. 29.
- Myles, William J., New York, N. Y., assignor to Celanese Corporation of America. Stabilized ethyl cellulose. 2,465,914, Mar. 29.
- Myles, William J., Summit, and J. H. Prichard, Springfield, N. J., assignors to Celanese Corporation of America. Stabilized cellulose esters and ethers. 2,465,915, Mar. 29.
- Myller, Ernest, New York, N. Y. Insufflation cannula. 2,480,041, Aug. 23.
- Mynard, Alfred E., Leicester, England. Feed mechanism for sound film. 2,463,411, Mar. 1.
- Myott, Ernie B., Reading, assignor to C. H. Wood, Medfield, Mass. Sanding apparatus. 2,489,801, Nov. 29.
- Myrick, Lockwood, Boston, Mass. Inducting and stratifying working gases in internal-combustion engines. 2,466,181, Apr. 5.
- Myrels, George, New York, N. Y. Peg game board. 2,472,719, June 7.
- Myrels, Karol J., New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Flow of thickened fluids. 2,492,173, Dec. 27.
- Myshra, Frank H., Stoneham, assignor to The Palmer Electric & Manufacturing Co., Wakefield, Mass. Sander. 2,469,980, May 10.
- NEA Service, Inc., assignee: See—
Thompson, Louis A.
- N. V. Chemische Fabriek "Naarden": See—
Ruys, Antoine H., and Lemmens.
- N. V. Eerste Nederlandsche Cement Industrie, assignee: See—
Mooser, Heinrich W.
- N. V. Nederlandsche Instrumentenfabriek "Waldorp," assignee: See—
Hijmans, Ernst.
- N. V. Philips, Gloeilampenfabrieken, assignee: See—
Diemer, Gesinus.
- N. V. Vereenigde Tabaksindustrielen Mignot & De Block, assignee: See—
Brouns, Hubert E.
- N. V. W. A. Scholten's Chemische Fabrieken, assignee: See—
Möller, Fredrik A.
- Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Bearing wear indicating and adjusting device for pistons. 2,468,509, Apr. 26.
- Naamlooze Vennootschap Noury & van der Lande's Exploitationmaatschappij, assignee: See—
John, Hanns.
- Nabors, William C., Mansfield, La. Adjustable power-operated trailer mower. 2,475,716, July 12.
- Nachazel, Vaclav: See—
Neiger, Richard, and Nachazel.
- Nachazel, Vaclav, assignor to Messrs. Hornfowa Limited, Maryport, England. Trimming device for the edges of molded articles. 2,466,961, Apr. 12.
- Nachman Corporation, assignee: See—
Gleason, William W.
- Nachman, Jack, Philadelphia, Pa. Fancy trimming stitch. 2,471,165, May 24.
- Nachman, L., & Sons, assignee: See—
Harpham, Walter.
- Nachod, Frederick C.: See—
Kreps, Saul I., and Nachod.
- Nachod, Frederick C., Haddonfield, N. J., and W. Wood, Philadelphia, Pa., assignors to The Permutit Company, New York, N. Y. Cation exchange materials. 2,469,472, May 10.
- Nachod, Julius E., O. W. Rideout, and J. H. Shapleigh, assignors to Hercules Powder Company, Wilmington, Del. Hydrogen chloride manufacture. 2,475,752, July 12.
- Nachtman, John S., Beaver, Pa. Continuous tinplate brightening apparatus. 2,459,674, Jan. 18.
- Nachtman, John S., Youngstown, Ohio. Electric resistance heat-treating of electroplated coatings. 2,463,412, Mar. 1.
- Nachtman, John S., Youngstown, Ohio. Production of alloy coating on base metal material. 2,490,700, Dec. 6.
- Nadeau, Gale F., assignor to Eastman Kodak Company, Rochester, N. Y. Antibalation photographic film. 2,481,770, Sept. 13.
- Nadeau, Gale F., and C. B. Starck, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic film employing hydrolyzed cellulose acetate emulsions. 2,458,403, Jan. 4.
- Nadelson, Samuel, New York, N. Y. Support for table tennis nets. 2,470,318, May 17.
- Nadelson, Samuel, New York, N. Y. Container for electrical apparatus. 2,485,837, Oct. 25.
- Nader Engineering Company, assignee: See—
Nader, Joseph.
- Nader, Joseph, Glen Ellyn, assignor to Nader Engineering Company, Chicago, Ill. Dynamotor. 2,467,563, Apr. 19.
- Nader, Joseph, Glen Ellyn, assignor to Nader Engineering Company, Chicago, Ill. Frame for dynamoelectric machines. 2,470,408, May 17.
- Nadherny, Russell J., assignor to Athey Products Corporation, Chicago, Ill. Vehicle mounted shovel. 2,461,653, Feb. 15.
- Nadherny, Russell J., assignor to Athey Products Corporation, Chicago, Ill. Material handling and loading apparatus. 2,486,317, Oct. 25.
- Nadolny, Melvin F., and E. Zak, Toledo, Ohio. Can crusher. 2,466,907, Apr. 12.
- Nador, Emory: See—
Ford, Henry, and Nador.
- Naegeli, Werner, assignor to Actiengesellschaft, Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Driving arrangement for spindles of spinning and doubling frames. 2,472,226, June 7.
- Nagel, Felix, College Park, assignor to Engineering and Research Corporation, Riverdale, Md. Sheet covering for aircraft parts. 2,471,768, May 31.
- Nagel, Fritz J.: See—
Ford, James G., and Nagel.
- Nagel, Fritz J., Emlenton, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyhydroxybenzene formaldehyde resin adhesives. 2,488,428, Nov. 15.
- Nagel, Fritz J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyhydroxybenzene-formaldehyde resinous compositions and preparing the same. 2,477,641, Aug. 2.
- Nagel, Fritz J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenolamine-formaldehyde resin. 2,482,498, Sept. 20.
- Nagel, Fritz J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laminates embodying mixed phenol-arylamine-formaldehyde resinous products. 2,482,499, Sept. 20.
- Nagel, Fritz J., Homewood, and C. C. Horstman, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coating ferrous metal sheets with an insulating film. 2,484,242, Oct. 11.
- Nagel, George W., and M. A. Schultz, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase angle meter. 2,462,213, Feb. 22.
- Nagel, Gerhard R.: See—
Bancroft, George H., and Nagel.
- Nagel, Henryk, Bronx, N. Y. Coupling device for detachably securing sunshades, filter holders, and like accessories to the lens barrels of cameras. 2,472,307, June 7.
- Nagel, Jacob F., New York, N. Y. Flytrap. 2,468,227, Apr. 26.
- Nagel, John D., and W. Lang, Chicago, Ill. Moving surface simulated dice game apparatus. 2,463,298, Mar. 1.
- Nagel, John D., and W. Lang, Chicago, Ill. Ball game device with annular pocketed trough. 2,468,684, Apr. 26.

- Nagel, Joseph S., Santa Ana, Calif. Building construction. 2,462,415, Feb. 22.
- Nagel, Joseph S., Santa Ana, Calif. Thermal insulating building material and its manufacture. 2,462,538, Feb. 22.
- Nagel, Theodore, Brooklyn, N. Y. Burning oil. 2,472,720, June 7.
- Nagel, Theodore, Brooklyn, N. Y. Apparatus for burning gas oil. 2,483,925, Oct. 4.
- Nagel, William, Pelham, N. Y. Armhole garment and making. 2,490,701, Dec. 6.
- Nagle, Perry I., Chicago Heights, Ill. Electrolytic method of etching metals with stencils. 2,463,711, Mar. 8.
- Nagle, Wesley M., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sodium hydroxylamine sulfonates. 2,458,404, Jan. 4.
- Nagoda, Frank G., assignor to M. Nagoda, Export, Pa. Electric level and plumb instrument. 2,476,428, July 19.
- Nagoda, Mary, assignee: *See*—Nagoda, Frank G.
- Nagy, Daniel E.: *See*—Kaiser, Donald W., and Nagy. Sayward, John M., and Nagy.
- Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Forming acyl-carbamyl-guanidines. 2,481,526, Sept. 13.
- Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylation of aminotriazines. 2,485,983, Oct. 25.
- Nagy, John J., Arlington, Va. Condenser construction. 2,470,045, May 10.
- Nagy, Rudolph: *See*—Rentschler, Harvey C., and Nagy.
- Nahin, Paul G., Lynwood, assignor to Union Oil Company of California, Los Angeles, Calif. Catalytic desulfurization of hydrocarbons. 2,487,466, Nov. 8.
- Nahin, Paul G., Lynwood, and H. C. Huffman, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Catalytic conversion of hydrocarbons. 2,486,361, Oct. 25.
- Nakken, Theodore H., New York, N. Y., assignor to The Soundsciber Corporation, New Haven, Conn. Stepback mechanism for phonograph transcribers. 2,489,045, Nov. 22.
- Nalle, Charles R., Philadelphia, Pa. Adjustabel support for furniture and the like. 2,465,741, Mar. 29.
- Nalle, Charles R., Philadelphia, Pa. Caster. 2,465,742, Mar. 29.
- Nalpanatian, Rebecca, San Francisco, Calif. Syringe. 2,473,068, June 14.
- Nalven, Robert M., Kew Gardens, assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc., New York, N. Y. Circulation control for boilers. 2,464,750, Mar. 15.
- Namegab, Wilfred, assignor to William Pretty & Sons (1930) Limited, Ipswich, England. Form of corset. 2,472,982, June 14.
- Namenyi-Katz, Laszlo, London, assignor of one-half to Furzehill Laboratories Limited, Boreham Wood, England. Counting mechanism. 2,474,156, June 21.
- Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Freight bracing. 2,466,728, Apr. 12.
- Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Apparatus for loading freight or the like. 2,468,101, Apr. 26.
- Namur, Carl A., assignor to Specialty Brass Company, Incorporated, Kenosha, Wis. Rotary pump with easily removable rotor. 2,462,214, Feb. 22.
- Nanna, Frank S., North Lake Village, Ill. Whipping machine. 2,471,769, May 31.
- Napier, D., & Son Limited, assignee: *See*—Barlow, Benjamin W. Barlow, Benjamin W., and Penn. Cafford, Adrian L. Chamberlin, Reginald H. D., Wynne, and Skellern. Ramsay, Frank R. F. Sammons, Herbert. Sammons, Herbert, and Cowdrey.
- Napier, James W., Macon, Ga.; M. H. Napier, executrix of said J. W. Napier, deceased. Electric incubator. 2,470,046, May 10.
- Napier, James W., assignor to C. O. Dennis, Macon, Ga. Tire recapping apparatus. 2,475,579, July 5.
- Napier, Margaret H., executrix: *See*—Napier, James W.
- Napier, Maurice A., Akron, Ohio. Ratchet means. 2,474,402, June 28.
- Napier, Melvin J., assignor to Miami Boiler & Machine Company, Inc., Akron, Ohio. Oil stratifying method and apparatus. 2,468,636, Apr. 26.
- Nappe, Moritz: *See*—Smith, Parker K., and Nappe.
- Naras Research Inc., assignee: *See*—Schwartz, Nathan R.
- Narceovich, Adolph J., Ashland, Pa. Pedal mechanism. 2,483,224, Sept. 27.
- Nardi, Joseph P., Detroit, Mich. Fish lure. 2,488,678, Nov. 22.
- Nardin, William T., Moorestown, assignor to United States Gasket Company, Camden, N. J. Gasket centering means. 2,462,762, Feb. 22.
- Nardin, William T., Moorestown, assignor to United States Gasket Company, Camden, N. J. Gasket. 2,466,263, Apr. 5.
- Narracott, Eric S.: *See*—Fawcett, Eric W. M., Narracott, and Millien. Fawcett, Eric W. M., Narracott, and Rowland.
- Narracott, Eric S., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Petroleum extract-sulfur dioxide reaction product. 2,485,911, Oct. 25.
- Nash, Albert G., Gorham, Ontario, Canada. Sanding device. 2,483,554, Oct. 4.
- Nash Engineering Company, assignee: *See*—Adams, Harold E.
- Nash, John J., assignor to American Fixture & Manufacturing Co., St. Louis, Mo. Metal chair. 2,460,027, Jan. 25.
- Nash-Kelvinator Corporation, assignee: *See*—Doeg, Ralph W. Giffard, Whitney. Moore, Meade F., and Berry. Philipp, Lawrence A. Voigt, Johnston S. Wahlberg, Nils E.
- Nash, Kermit E., assignee: *See*—Burnett, John E.
- Nash, Leonard E., Inglewood, Calif. Supporting stick as part of stick and ring type of game apparatus. 2,479,956, Aug. 23.
- Nash, Martin E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic oxidation of hydrocarbons. 2,478,776, Aug. 9.
- Nash, Thomas L., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Tow folding device for shipping cartons. 2,468,834, May 3.
- Nash, William W., Salem, assignor to The Dumore Company, Racine, Wis. Supplying lubrication as a fine mist. 2,472,170, June 7.
- Nashua Gummed and Coated Paper Company, assignee: *See*—Perry, Lloyd M. Smith, Robert L.
- Nassar, Ernest G., Pittsburgh, Pa. Payroll calculator. 2,464,148, Mar. 8.
- Nassau Products, assignee: *See*—Moffatt, Wilder.
- Offerson, Charles D.
- Nassau Smelting & Refining Company, Incorporated, assignee: *See*—Corren, Sidney A.
- Nassimbene, Ernest, assignor to Gates Rubber Company, Denver, Colo. High-speed belt. 2,461,654, Feb. 15.
- Nassimbene, Ernest, assignor to Gates Rubber Company, Denver, Colo. Metal foil covering for repair material. 2,486,669, Nov. 1.
- Nassimbene, Ernest, assignor to The Gates Rubber Company, Denver, Colo. Loom picker. 2,483,025, Nov. 15.
- Nassivera, Charles, Glen Falls, N. Y. Poultry immerser. 2,470,409, May 17.
- Nast, Paul H., West Springfield, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Tool retainer for percussive tools. 2,489,923, Nov. 29.
- Natchman, John S., Youngstown, Ohio. Method and apparatus for brightening tin plate. 2,458,525, Jan. 11.
- Nathan, Alfred, assignor to Rose, Morris & Company Limited, London, England. Bow for musical instruments. 2,479,505, Aug. 16.
- Nathan, Ellis, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Seal for gas compressors. 2,461,294, Feb. 8.
- Nathan, Emanuel, Maplewood, N. J. Making containers. 2,464,524, Mar. 15.
- Nathan, Emanuel, Maplewood, N. J. Spectacle case. 2,473,292, June 14.
- Nathan, Emanuel, Maplewood, N. J. Spectacle case and making same. 2,482,500, Sept. 20.
- Nathan, George J., Washington, D. C. Pneumatic shoe retaining device. 2,489,429, Nov. 29.
- Nathan, Jerome, Ridgefield, N. J., and R. W. Adler, assignors to Bantam-Lite, Inc., New York, N. Y. Pen-shaped pocket flashlight. 2,491,686, Dec. 20.
- Nathan Manufacturing Company, assignee: *See*—Angel, Charles M., and Culbertson. Folke, Bengt E., and Shepard. Shepard, Ralph H. Smith, John E.
- Nathan, Matthew L., Godalming, assignor to Power Jets (Research & Development) Limited, London, England. Combustion apparatus. 2,475,911, July 12.
- Nathanson, Matthew A., Brookline, Mass. Foundation garment. 2,458,094, Jan. 4.
- Nathanson, Max, Montreal, Quebec, Canada. Fluorescent tube lighting system. 2,465,031, Mar. 22.
- National Acme Company, The, assignee: *See*—Drissner, Alfred E., and Hogg.
- National Agrol Company, Inc., The, assignee: *See*—Hale, William J.
- National Alfalfa Dehydrating and Milling Company, assignee: *See*—Kephart, John C.

- National Aluminate Corporation, assignee: *See—*
Bird, Paul G.
Bird, Paul G., and Jacoby.
- National Automatic Tool Company, Inc., assignee: *See—*
Peters, Charles R.
Schafer, Robert A.
Schafer, Robert A., and Rodal.
- National Bank of Jackson, guardian: *See—*
Riemenschneider, Ernest.
- National Battery Company, assignee: *See—*
Rupp, John L.
- National Biscuit Company, assignee: *See—*
Davidson, Bruce J.
Sinnott, Nicholas E.
- National Blank Book Company, assignee: *See—*
Schade, Frank S.
Schade, John.
- National Brass Company, assignee: *See—*
Lickteig, Albert F.
Vander Henst, Abraham.
- National Broach & Machine Company, assignee: *See—*
Austin, Donald D., Sr.
Bregl, Benjamin F., and Francis.
- National Cabinet Company, assignee: *See—*
Christopherson, Raymond.
- National Carbon Company, Inc., assignee: *See—*
Hamister, Victor C.
Winslow, Nathaniel M., and Heise.
- National Cash Register Company, assignee: *See—*
Desch, Joseph R., Gulden, and Mumma.
- National Cash Register Company, The, assignee: *See—*
Adams, Clyde S.
Coe, Eric R., and Nelson.
Desch, Joseph R., and Gulden.
Fowler, Roland G., Larsen, and Frieberg.
Homan, Walter.
Mumma, Robert E., and Bucher.
Spurlino, Pascal, Gantner, and Kreider.
Spurlino, Pascal, Moser, Kibler, and Frost, and Kreider.
- National Company, Inc., assignee: *See—*
Larkin, William J., and Bacon.
Ready, William A.
- National Cylinder Gas Company, assignee: *See—*
Bernard, Arthur A.
Bowden, James H., and Muller.
Candy, Albert M.
Eichelman, Frank J.
Palmer, Walter E.
Ross, Albert M., and Gilpin.
Ward, Bert G., Jr.
- National Dairy Research Laboratories, Inc., assignee: *See—*
Weisberg, Samuel M., and Greenspan.
Weisberg, Samuel M., Stimpson, and Miller.
- National Defence of Ottawa, Ontario, Canada, Minister of, assignee: *See—*
Torey, Lyle G.
- National Drug Company, The, assignee: *See—*
Avakian, Souren.
Avakian, Souren, and Martin.
Martin, Gustav J.
Martin, Gustav J., and Avakian.
Martin, Gustav J., and Urist.
Urist, Harold, and Martin.
- National Electric Instrument Co., Inc., assignee: *See—*
Suwa, Ignaz.
- National Electric Welding Machines Company, assignee: *See—*
Cogan, Howard C.
- National Enameling and Stamping Company, assignee: *See—*
Moon, Herbert J.
- National Engineering Company, assignee: *See—*
Fuller, George W.
- National Equipment Corporation, assignee: *See—*
Guggenheim, Max M.
- National Fitch Corporation, assignee: *See—*
Norbom, Ragnar A.
- National Foam System, Inc., assignee: *See—*
Boyd, Fisher L., and Boerner.
Perri, Joseph M.
- National Folding Box Company, Incorporated, assignee: *See—*
Williamson, Marshall I.
- National Gypsum Company, assignee: *See—*
Chrisler, Willard L.
- National Inventions Corporation, assignee: *See—*
Boucher, Charles P.
Boucher, Charles P., and Kuhl.
Bridges, John H.
- National Lead Company, assignee: *See—*
Baldwin, William J.
Bolley, Don S., and Gallagher.
Cole, Sanford S.
Cole, Sanford S., Holiday, and Breitenstien.
Hack, Carl H., Behr, and Vahrenkamp.
Kebrich, Leonard M.
Laughlin, Charles C., and Wainer.
Miller, John B.
Pitrot, Adrian R.
Stewart, Alexander, Pitrot, and Willihnganz.
Thomas, Royal D., Jr., and Comstock.
- National Lead Company, assignee—Continued.
Van Mater, Henry L.
Wainer, Eugene.
Wainer, Eugene, and Salomon.
Williams, Francis J., Herrmann.
Williams, Francis J., and Pitrot.
- National Lock Company, assignee: *See—*
North, Edwin W.
Stone, Roy A.
- National Lock Washer Company, The, assignee: *See—*
Schunk, Joseph.
- National Malleable and Steel Castings Company, assignee: *See—*
Metzger, William J.
Spence, Hubert L.
Zintsmaster, Tim.
- National Marking Machine Company, The, assignee: *See—*
Carothers, Thomas A., and Burkhard.
Keuper, William J.
- National Metal Edge Box Company, assignee: *See—*
Stumpf, Michael J.
- National Motor Bearing Co., Inc., assignee: *See—*
Helfrecht, Fred A.
- National Motor Springs Pty. Limited, assignee: *See—*
Bishop, Arthur E. J.
- National Organ Supply Company, assignee: *See—*
Roche, Paul C.
Roehrl, Bruno C.
- National Plastic Products Company, The, assignee: *See—*
Genovese, Anthony.
- National Pressure Cooker Company, assignee: *See—*
Buske, Gilbert E.
Jordan, Edgar.
- National Radiator Company, The, assignee: *See—*
Childers, Clem A., Jr.
- National Rubber Machinery Company, assignee: *See—*
De Ghetto, Anselm.
- National Safety Appliance Co., Ltd., assignee: *See—*
Folker, Herbert P.
- National Sanitation Foundation, assignee: *See—*
De Koning, Paul J.
- National Screw and Manufacturing Company, The, assignee: *See—*
Hodell, Frederick G.
- National Smelting Company Limited, The, assignee: *See—*
Robson, Stanley.
Robson, Stanley and Derham.
- National Starch Products Inc., assignee: *See—*
Caldwell, Carlyle G.
White, Thomas A.
- National Steel Corporation, assignee: *See—*
Black, Nolan S.
Buser, Joseph S.
Hoff, Clayton M.
Kirk, Harry C.
Klein, Clarence J.
Savastone, John N.
Thompson, Ralph N.
- National Sugar Refining Company, The, assignee: *See—*
Sprolle, Joseph V.
- National Supply Company, assignee: *See—*
Mahan, Joseph R.
- National Supply Company, The, assignee: *See—*
Shepherd, Harold F.
Spalding, John D.
Stephens, Wayne P.
Young, Forrest J.
- National Tank Company, assignee: *See—*
Glasgow, Clarence O.
Walker, Jay P.
- National Technical Laboratories, assignee: *See—*
Beckman, Arnold O.
Cary, Henry H., and Baxter.
- National Transits, Inc., assignee: *See—*
Tingdale, Warren M.
- National Tube Company, assignee: *See—*
Durfee, Walter W., and Foley.
Elster, Bert.
Graham, James B.
Hubbard, Howard N., and Ketterer.
Mortson, Emmons T., and Bobeng.
Offutt, John W.
- National Union Radio Corporation, assignee: *See—*
Haines, Donald G.
Miller, Carl F.
Schneider, Gerhard G., and Hughes.
Skellett, Albert M.
- National Urn Bag Co., assignee: *See—*
Irmscher, Hans O.
- National Urn Bag Co. Inc., assignee: *See—*
Irmscher, Hans O.
- National Vendors, Inc., assignee: *See—*
Fry, Benjamin W.
- Natzler, Paul, Jackson Heights, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Apparatus for molding slide fastener sliders. 2,487,359, Nov. 8.
- Nauert, Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator shelf. 2,479,858, Aug. 23.
- Naugle, John J., New York, N. Y. Preparing an activated magnesium oxide. 2,462,277, Feb. 22.

- Naugle, John J., New York, N. Y. Siliceous magnesium-containing purifying medium and producing it. 2,469,512, May 10.
- Naumann, Herbert O., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Thread treating method. 2,476,757, July 19.
- Navarro, Eugene M., New York, N. Y. Lock mechanism. 2,460,709, Feb. 1.
- Nave, David T., and R. L. Sullivan, Los Angeles, Calif. Capillary control means. 2,459,042, Jan. 11.
- Nave, Delmer J., Jr., and L. B. Herrod, Vallejo, Calif. Reeling device. 2,489,319, Nov. 29.
- Navikas, Victor A.: *See*—
Merley, Robert W., and Navikas.
- Navone, John O., Oakland, Calif. Reclaiming rubber. 2,487,666, Nov. 8.
- Navoy, Thaddeus: *See*—
Tuttle, Bertha S., and Navoy.
- Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Africano, Alfred.
Argabrite, George A., and Burke.
Barth, Theodore H.
Bean, Howard S., and Morey.
Bering, Edgar A., Jr.
Beyer, Carlton M., and Bolze.
Blomquist, Alfred T., and Fiedorek.
Bowen, Ira S.
Boykin, Robert O., Jr.
Brode, Robert B.
Burrell, Ellis.
Busacker, John W.
Busacker, John W., and Perry.
Chu, Lan J.
Cummerow, Robert L., and Davis.
Davis, Lincoln K.
Decker, Josef B.
Dike, Sheldon H.
Edson, James B.
Ewing, William M., and Worzel.
Ferris, Robert G., and Jordan.
Flett, William J.
Gongwer, Calvin A.
Greenstein, Jesse L., and Henyey.
Greenwood, Ernest J., and Heffernan.
Gullemin, Ernst A.
Hafstad, Lawrence R., and Flett.
Hall, Walter S., Jr.
Hare, Donald C. C.
Herrnfeld, Frank P.
Hickman, Clarence N., and Dempster.
Jarvis, Charles W.
Johnstone, Charles W., and Mautner.
Jordan, James D.
Kallmann, Heinz E.
Kappauf, William E., and Brogden.
Kearslev, William K., Winslow, and Liebafsky.
Kerst, Donald W.
Lauritsen, Charles C.
Lauritsen, Charles C., and McMorris.
Lawson, Herbert E.
Lawson, James L.
Long, John H.
Lucas, Howard J., and Hepner.
Mahoney, Charles H., and Lee.
Mains, Robert M.
Maneval, Richard L.
Maris, Harry B.
Meagher, Ralph E., and McFarlane.
Melton, Benjamin S.
Miller, Neville F.
Mosteller, Gerald G.
Neas, Charles C.
Perley, George A.
Perry, Thomas M.
Pierce, Firth.
Ridenour, Louis N.
Rockwell, Gaynor O.
Ross, Donald E.
Sanders, Edwin R.
Schmitt, Otto H.
Schuck, Oscar H.
Schuyler, Garret L.
Sebring, Paul B.
Selvidge, Harner.
Sewell, Ben W.
Stephenson, Richard G., and Bush.
Stern, John E.
Svoboda, Antonin.
Swennes, Benjamin A.
Swennes, Benjamin A., Shelton, and Swenson.
Talbot, Francis L., and Robinson, Jr.
Tafel, Howard E.
Thlmann, Kenneth V.
Thuras, Albert L.
Tretheway, William J.
Van Atta, Lester C.
Watt, Bob E.
Worzel, John L.
Wyman, Jeffres, and Barnes.
- Nawlaskey, Paul, Summit, and L. M. Schenck, Westfield, N. J., and I. G. Stevenson, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Oxazine diones. 2,476,559, July 19.
- Nawman, Cole S., Los Gatos, assignor of one-eighth to Adelbert Schapp, San Francisco, Calif. Hydraulic jig. 2,466,120, Apr. 5.
- Nawoj, Edward J.: *See*—
Neset, Maurice M., and Nawoj.
- Naylor Brothers Limited, assignee: *See*—
Vallance, Bertram.
- Naylor, Joshua C., Monkseaton, assignor to Vickers-Armstrongs Limited, London, England. Reciprocating pump or motor. 2,458,869, Jan. 11.
- Naylor, Joshua C., and W. C. Holden, Monkseaton, assignors to Vickers-Armstrongs Limited, London, England. Reciprocating pump or motor. 2,463,638, Mar. 8.
- Naylor, Sydney: *See*—
Smith, Ellis, Crabtree, Naylor, and Maw.
- Naylor, Victor W., Arlington, assignor, by mesne assignments, to McGlynn Hays Industries, Inc., Belleville, N. J. Pressure cooker. 2,483,297, Sept. 27.
- Naylor, William E., Widgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure responsive indicating device. 2,461,075, Feb. 8.
- Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Ceiling lighting equipment. 2,463,046, Mar. 1.
- Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Portable lamp. 2,463,048, Mar. 1.
- Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Multiple lamp fluorescent lamp holder. 2,487,467, Nov. 8.
- Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Fluorescent lighting luminaire. 2,487,468, Nov. 8.
- Naysmith, Shirley R., and R. M. Runge, assignors to The Miller Company, Meriden, Conn. Ceiling. 2,463,047, Mar. 1.
- Neal, Ernest C., assignor of one-half to E. Brandell, Chicago, Ill. Quick-acting C-clamp. 2,472,022, May 31.
- Neal, Ethel, administratrix: *See*—
Gooding, Chester M., Vahlteich, and Neal.
Vahlteich, Hans W., Gooding, and Neal.
- Neal, Harry E., Columbus, assignor to Plastic Engineering, Inc., Cleveland, Ohio. Pyramidal highway marker with resilient walls. 2,483,734, Oct. 4.
- Neal, Harry H., Los Angeles, Calif. Magnetic mixer. 2,466,468, Apr. 5.
- Neal, Morris P., Quincy, Ill., assignor to A B C Packaging Machine Corporation. Packaging machine. 2,485,912, Oct. 25.
- Neal, Ralph H.: *See*—
Gooding, Chester M., Neal, and Vahlteich.
Gooding, Chester M., Vahlteich, and Neal.
Vahlteich, Hans W., Gooding, and Neal.
Vahlteich, Hans W., Neal, and Gooding.
- Neal, Ralph H., Jersey City, N. J., C. M. Gooding, Staten Island, N. Y., and H. W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soyabean oil composition and preparing same. 2,485,631, Oct. 25.
- Neal, Ralph H., North Bergen, N. J., C. M. Gooding, Staten Island, N. Y., and H. W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y. Potato products and preparing same. 2,485,635, Oct. 25.
- Neal, Ralph H., North Bergen, and H. W. Vahlteich, Edgewater, N. J., and C. M. Gooding, Staten Island, assignors to The Best Foods, Inc., New York, N. Y. Nut meats. 2,485,636, Oct. 25.
- Neal Stanford, Schenectady, N. Y., assignor to General Electric Company. Variable jet nozzle. 2,481,330, Sept. 6.
- Neale, Dory J., Topeka, Kans. Cable lashing machine. 2,479,635, Aug. 23.
- Neale, Fred, Coventry, England. Brake and clutch operating mechanism. 2,481,144, Sept. 6.
- Neale, William F.: *See*—
Taylor, Sam Y.
- Neary, John F., North Wales, Pa. Collapsible kite. 2,465,917, Mar. 29.
- Neas, Charles C., Boston, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Discharge device. 2,483,661, Oct. 4.
- Nebe, Peter J., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Protecting metallic surfaces. 2,485,061, Oct. 18.
- Nebel, Oswald A., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Casing for spools of photographic film and assembled film cartridges. 2,476,996, July 26.
- Nebesar, Robert J., assignor to Universal Moulded Products Corporation, Bristol, Va. Laminated tubular article. 2,465,257, Mar. 22.
- Nebolsine, Ross, New York, N. Y. Overhead sheet transporting and discharge device. 2,486,196, Oct. 25.
- Necchi, Richard A., Hingham, Mass. Baffle type muffler with fluid mingling. 2,489,585, Nov. 29.
- Necheles, Heinrich, Chicago, Ill., and H. Kroll, Cranston, R. I., assignors to Michael Reese Research Foundation, Chicago, Ill. Antacid preparation. 2,477,080, July 26.
- Nechtow, Mitchell J.: *See*—
Reich, Walter J., and Nechtow.
- Neckel, Edmund N., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic release collar clamp. 2,470,516, May 17.

- Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, assignee: *See*—
Overhoff, Johan and Huyser.
Van Eijk, Willem.
- Nederlandsche Organisatie voor toegepast-natuurwetenschappelijk onderzoek ten behoeve van de Voeding, assignee: *See*—
Van Eekelen, Marie, and van der Laan.
- Nedham, Howard H., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Constructing multilayer cylinders. 2,489,802, Nov. 29.
- Needle, Michael: *See*—
Dillon, John J., and Needle.
- Needlman, Barney, Chicago, Ill. Display alarm. 2,474,157, June 21.
- Nèel, Louis, Grenoble, assignor to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Aciéries Electriques d'Ugine, Paris, France. Manufacture of permanent oxide magnets. 2,463,413, Mar. 1.
- Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Spring clip. 2,474,158, June 21.
- Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Wire spring for upholstered spring structures. 2,480,667, Aug. 30.
- Neely, William H., Cleveland, and S. G. Blumensadt, Beachwood Village, assignors to The Universal Wire Spring Company, Cleveland, Ohio. Wire spring structure for seat and back constructions. 2,462,539, Feb. 22.
- Neer, Clifford H., assignor to The Burt Machine Company, Baltimore, Md. Case filling machine. 2,462,888, Mar. 1.
- Neeson, Charles R., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Oil pressure safety control. 2,461,076, Feb. 8.
- Neff, Augusta and G. W., Philadelphia, Pa. Needle hairbrush. 2,482,928, Sept. 27.
- Neff, Edward A., Chicago, Ill. Shock absorber webbing. 2,471,166, May 24.
- Neff, George W.: *See*—
Neff, Augusta and G. W.
- Neff, John W., Easton, Pa., assignor to Stover Lock Nut & Machinery Corporation. Apparatus for manufacturing lock nuts. 2,464,410, Mar. 15.
- Neff, John W., Easton, Pa., assignor to Stover Lock Nut & Machinery Corporation. Apparatus for manufacturing lock nuts. 2,464,411, Mar. 15.
- Neff, John W., Easton, Pa., assignor to Stover Lock Nut & Machinery Corporation. Manufacturing lock nuts. 2,464,412, Mar. 15.
- Neff, Joseph J., South Euclid, assignor, by mesne assignments, of Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic gauge. 2,465,032, Mar. 22.
- Neff, Loren L.: *See*—
Buckmann, John P., and Neff.
- Negbaur, H., & Co., assignee: *See*—
Negbaur, Harry.
- Negbaur, Harry, assignor to H. Negbaur & Co., New York, N. Y. Table lighter. 2,459,233, Jan. 18.
- Neher, Clarence M.: *See*—
Dorsky, Julian, Mattson, and Neher.
- Neher, Harry T.: *See*—
Croxall, Willard J., and Neher.
Glavis, Frank J., and Neher.
- Neher, Harry T., Bristol, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Acrylic resin laminations. 2,464,826, Mar. 22.
- Neher, Harry T., Bristol, E. H. Kroeker, Cheltenham, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Allyl diglycolyl allyl glycolate. 2,474,686, June 28.
- Neidel, Oscar F., assignor to George C. Moore Company, Westerly, R. I. Tension device for rubber covering machines. 2,462,043, Feb. 15.
- Neides, Hal D., assignee: *See*—
Switzer, George W.
- Neidhardt, Graham B., Albion, Ind. Cartridge case extractor. 2,462,889, Mar. 1.
- Neier, Warren B.: *See*—
Kub, Erwin, and Neier.
- Neiger, Richard, Maryport, England, and V. Nachazel, Tzlove, near Podmokly, Czechoslovakia, assignors to Messrs Hornfowa Limited, Maryport, England. Preparing a bleached keratin meal. 2,476,758, July 19.
- Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Temperature compensator for electrical regulators. 2,458,957, Jan. 11.
- Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical regulator. 2,468,228, Apr. 26.
- Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,481,771, Sept. 13.
- Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,481,772, Sept. 13.
- Neilsen, Peter C., Chicago, Ill. Tire rasp. 2,489,803, Nov. 29.
- Neilson, Clarence A.: *See*—
Lincoln, Bert H., and Neilson.
- Neiman, W. T., assignee: *See*—
MacFarland, Allison M.
- Neipert, Marshall P.: *See*—
Blue, Robert D., Hunter, and Neipert.
- Neiser, Joseph B., Oakland, Calif. Clothes drier. 2,468,891, May 3.
- Neisler, Charles E., Jr., Kings Mountain, N. C. Making slub or flake spun yarn from continuous filaments. 2,464,882, Mar. 22.
- Neiswander, Robert S., U. S. Navy. Tensiometer. 2,472,845, June 14.
- Neitzel, Edward J., Paterson, N. J. Headlight attachment. 2,476,109, July 12.
- Nekola, William J.: *See*—
Herold, James L., Nekola, and Wehmiller.
- Nelms, George C., assignor, by mesne assignments, to Mine Safety Appliances Company, Pittsburgh, Pa. Hat with replaceable sweatband. 2,483,101, Sept. 27.
- Nelpin Manufacturing Company, assignee: *See*—
Holohan, Bartholomew A.
- Nelpin Manufacturing Co., Inc., assignee: *See*—
Pinkham, Clarence A., and Holohan.
- Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Selector-stepper switch. 2,481,033, Sept. 6.
- Nelsen, Silas E.: *See*—
Soloos, Alf, and Nelsen.
- Nelson, Alex A., Pleasant Ridge, Mich. Molding hollow articles. 2,473,722, June 21.
- Nelson, Alex A., Pleasant Ridge, Mich. Making prosthesis. 2,473,723, June 21.
- Nelson, Alfred O., Columbus, Mont. Fish scaring device. 2,465,259, Mar. 22.
- Nelson, Alice R., New York, N. Y. Overshoe. 2,474,954, July 5.
- Nelson, Allen K., Washington, D. C. Foul ball indicator. 2,461,836, Feb. 15.
- Nelson, Anton R., Burlingame, Calif. Electric clock. 2,483,502, Oct. 4.
- Nelson, Arthur E., University City, Mo. Support. 2,460,593, Feb. 1.
- Nelson, Arthur E., University City, Mo. Can opener. 2,462,416, Feb. 22.
- Nelson, Arthur E., University City, Mo. Pivotal bracket. 2,469,981, May 10.
- Nelson, Arthur E., University City, Mo. Bracket. 2,471,342, May 24.
- Nelson, Arthur J., San Mateo, Calif. Submersible pump motor mounting. 2,466,324, Apr. 5.
- Nelson, Arthur W., assignee: *See*—
Protzeller, Harry W.
- Nelson, Augie L., assignor to Hayes Manufacturing Corporation, Grand Rapids, Mich. Package dispensing apparatus. 2,479,396, Aug. 16.
- Nelson, Augie L., assignor to Hayes Manufacturing Corporation, Grand Rapids, Mich. Bottle holding drum structure. 2,483,059, Sept. 27.
- Nelson, Burton E., Menomonie, assignor to G. Cherry, Milwaukee, Wis. Tilttable lawn chair. 2,466,264, Apr. 5.
- Nelson, Carl E., San Mateo, Calif. Hair drier. 2,488,227, Nov. 15.
- Nelson, Carl F., Wharton, N. J., assignor to the United States of America as represented by the Secretary of War. Fuse. 2,466,729, Apr. 12.
- Nelson, Carl I., Everett, Wash. Sled. 2,482,554, Sept. 20.
- Nelson, Carl W., Racine, Wis. Detachable wheel golf club carrier. 2,480,597, Aug. 30.
- Nelson, Channing C.: *See*—
Kleiber, Carl E., Campbell, Stines, and Nelson.
- Nelson, Charles R.: *See*—
Weber, Martin K., and Nelson.
- Nelson, Clifford G., Stoughton, assignor to Ray-O-Vac Company, Madison, Wis. Cradle for flat batteries. 2,478,887, Aug. 9.
- Nelson, Dale H., Southampton, N. Y., and J. R. Cosby, Towson, Md., assignors to The Western Union Telegraph Company, New York, N. Y. Apparatus and method for fault locations. 2,476,317, July 19.
- Nelson, Dale H., Water Mill, assignor to The Western Union Telegraph Company, New York, N. Y. Direct-current measuring and recording device. 2,476,318, July 19.
- Nelson, Earl J., Jackson Heights, N. Y. Golf ball tee. 2,470,574, May 17.
- Nelson, Edgar A., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor and blade magazine therefor. 2,461,914, Feb. 15.
- Nelson, Ellis F., Everett, Mass. Denture. 2,464,987, Mar. 22.
- Nelson, Emil A., St. Clair Shores, Mich. Lawn mower. 2,486,969, Nov. 1.
- Nelson, Emil B., East Hampton, assignor to The Lloyd E. Cone Thread Co., Moodus, Conn. Thread bobbin and making. 2,475,399, July 5.
- Nelson, Ernest H., T. B., and F., Preston, England. Machine for cutting vegetables or the like material. 2,490,455, Dec. 6.
- Nelson, Evan H.: *See*—
Francis, Victor J., and Nelson.
- Nelson, Frank: *See*—
Nelson, Ernest, H., T. B., and F.

- Nelson, Frank L., Wadena, Saskatchewan, Canada. Weed seed collector. 2,492,495, Dec. 27.
- Nelson, Gunnar: *See*—
Coe, Eric R., and Nelson.
- Nelson, Gustaf A., Brooklyn, assignor to The Liquidometer Corporation, Long Island City, N. Y. Pocket barometer. 2,463,414, Mar. 1.
- Nelson, Harley E., Park Ridge, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc. Method of coating paper. 2,460,998, Feb. 8.
- Nelson, Harold: *See*—
Nelson, Ernest, H., T. B., and F.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind fitting. 2,469,839, May 10.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind bracket. 2,473,293, June 14.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind structure. 2,473,294, June 14.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Machine useful for forming end loops on Venetian blind ladder tapes. 2,478,003, Aug. 2.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Machine for forcing fittings into the ends of wooden bars. 2,488,318, Nov. 15.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind head-bar assembling device. 2,489,663, Nov. 29.
- Nelson, Henry F., Danville, Ill. Space heating stove with air circulating jacket. 2,487,264, Nov. 8.
- Nelson, Homer B.: *See*—
Walters, Frank J., and Nelson.
- Nelson, James H., and H. Servis, assignors to The Dumore Company, Racine, Wis. Alternating current brake motor. 2,461,759, Feb. 15.
- Nelson, John E., Webb City, Mo. Knife. 2,491,575, Dec. 20.
- Nelson, Joseph F., Elizabeth, N. J., assignor to Standard Oil Development Company. Incorporating antioxidants into synthetic rubbery isobutylene polymers. 2,462,123, Feb. 22.
- Nelson, Joseph F., Elizabeth, N. J., assignor to Standard Oil Development Company. Stabilized polymer. 2,471,887, May 31.
- Nelson, Joseph F., Elizabeth, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Low-temperature catalytic process for polymerizing olefinic materials in the presence of an inorganic diluent. 2,485,454, Oct. 18.
- Nelson, Karl J.: *See*—
Scharmann, Walter G., and Nelson.
- Nelson, Karl J., Cranford, N. J., assignor to Standard Oil Development Company. Preparation of silica magnesia catalysts. 2,470,410, May 17.
- Nelson, Laurence A., Pontiac, assignor to General Motors Corporation, Detroit, Mich. One-way drive for air conditioning blowers. 2,489,536, Nov. 29.
- Nelson, Manley R., assignor to The Stearns-Roger Manufacturing Company, Denver, Colo. Casting, forging, and heat treating cast iron grinding balls. 2,462,122, Feb. 22.
- Nelson, Marcus: *See*—
Stempel, Edward H., and Nelson.
- Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Counter. 2,465,258, Mar. 22.
- Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Radio direction finding equipment. 2,468,269, Apr. 26.
- Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Counting apparatus. 2,487,265, Nov. 8.
- Nelson, Martin L., Park Ridge, assignor to Production Instrument Company, Chicago, Ill. Counter-actuating mechanism. 2,487,469, Nov. 8.
- Nelson, Melvin E., Burbank, Calif., assignor to M. M. Burns. Impulse-controlled timer for energizing devices for preselected periods. 2,483,020, Sept. 27.
- Nelson, Noble A., Chicago, Ill., assignor of one-fifth to H. Freevol, one-fifth to S. Smedberg, one-fifth to H. Brandon, and one-fifth to C. C. Anderson. Snubber for fishing reels. 2,482,863, Sept. 27.
- Nelson, Ole A., Seattle, Wash. Automatic intermittent bladder irrigator. 2,478,876, Aug. 9.
- Nelson, Oscar G.: *See*—
Hanson, Estyle D., Henning, and Nelson.
Larson, Elmer J., and Nelson.
- Nelson, Paul A., Inglewood, Calif. Snelled fishhook. 2,480,042, Aug. 23.
- Nelson, Ray M., Rock Island, Ill., assignor to Birtman Electric Company. Base lock for vises. 2,471,444, May 31.
- Nelson, Ray M., Rock Island, Ill., assignor to Birtman Electric Company. Screw operated vise having a toothed nut and displaceable ratchet for quick opening. 2,485,641, Oct. 25.
- Nelson, Richard N.: *See*—
Moore, Wiley T., and Nelson.
- Nelson, Richard S., Denver, Colo. Picker for looms. 2,468,102, Apr. 26.
- Nelson, Robert B., Newton, Iowa. Shoe tree for open heeled shoes. 2,485,505, Oct. 18.
- Nelson, Robert M., Wilmette, assignor to Peerless Equipment Company, Chicago, Ill. Buffer. 2,491,128, Dec. 13.
- Nelson, Robert V., Mount Clemens, Mich. Nursing bottle holder. 2,481,773, Sept. 13.
- Nelson, Roland D., Hales Corners, and E. A. Link, South Milwaukee, assignors to Line Material Company, Milwaukee, Wis. System of controlling electric lines. 2,460,467, Feb. 1.
- Nelson, Ted, San Leandro, Calif., assignor to Morton Gregory Corporation. Stud for welding. 2,477,765, Aug. 2.
- Nelson, Thomas B.: *See*—
Nelson, Ernest, H., T. B., and F.
- Nelson, Willard E.: *See*—
Hiler, Carl A., and Nelson.
- Nelson, William L., Highland Park, and O. R. Sinnig, New Brunswick, N. J., assignors to Johnson & Johnson. Pressure sensitive adhesive mass. 2,459,891, Jan. 25.
- Nelson, William R.: *See*—
Roach, Harding F., and Nelson.
- Nelson, William W., Belmont, Mass. Neck straightening device for musical instruments. 2,460,943, Feb. 8.
- Nelson, William W., Belmont, assignor to Vega Company, Boston, Mass. Musical instrument. 2,468,374, Apr. 26.
- Nelsson, Neis, assignor to United States Gypsum Company, Chicago, Ill. Partition structure. 2,472,756, June 7.
- Nemet, Anthony, and M. Berindel, London, England, assignors to The Hartford National Bank & Trust Company, Hartford, Conn., as trustees. X-ray mass chest apparatus control. 2,469,982, May 10.
- Nemeth, Joseph J., New York, N. Y. Clip for paper. 2,460,650, Feb. 1.
- Nemeth, Otto R., Chicago, Ill. Film gate. 2,457,913, Jan. 4.
- Nemeth, Otto R., Chicago, Ill. Convertible film gate construction. 2,457,914, Jan. 4.
- Nemeth, Otto R., assignor to Otto R. Nemeth, Inc., Chicago, Ill. Film gate. 2,457,915, Jan. 4.
- Nemeth, Otto R., Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Motion-picture projector. 2,472,983, June 14.
- Nemeth, Otto R., Inc., assignee: *See*—
Nemeth, Otto R.
- Nemmer, Albert W., Cheektowago, N. Y. Base for supporting cushions on furniture frames. 2,492,589, Dec. 27.
- Nemnich, Gustav, assignor of one-fourth to M. Nemnich, one-fourth to J. Himmelfarbe, and one-fourth to E. P. Himmelfarbe, Huntington Station, N. Y. Liquid fuel carburetor. 2,482,864, Sept. 27.
- Nemnich, Margaret, assignee: *See*—
Nemnich, Gustav.
- Nenno, Howard F., Rochester, N. Y. Electric shaving kit. 2,458,721, Jan. 11.
- Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device utilizing cavity resonators. 2,461,125, Feb. 8.
- Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Feedback system. 2,471,535, May 31.
- Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonator circuits. 2,472,721, June 7.
- Nerlinger, Ludwig F., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of cadmium red pigments. 2,479,636, Aug. 23.
- Nesbitt, Charles H., Birmingham, Ala. Extension handle for wrenches. 2,490,739, Dec. 6.
- Nesbitt, Kenneth, Ottawa, Ontario, Canada. Winding reel. 2,492,496, Dec. 27.
- Ness, Harold J., Montclair, assignor to Metallurgical Processes Co., Newark, N. J. Furnace muffle and supporting means therefor. 2,468,456, Apr. 26.
- Ness, Harold J., Montclair, and C. E. Thomas, North Arlington, assignors to Metallurgical Processes Co., Newark, N. J. Metallurgical furnace. 2,489,459, Nov. 29.
- Nesset, Naurice M., Glenview, and E. J. Nawoj, Chicago, assignors to Baxter Laboratories, Inc., Glenview, Ill. Tubing set. 2,458,722, Jan. 11.
- Nesset, Naurice M., assignor to Baxter Laboratories, Inc., Glenview, Ill. Handling sterile liquids. 2,461,837, Feb. 15.
- Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Extensible windshield wiper arm. 2,466,609, Apr. 5.
- Nestle, Robert F.: *See*—
Schultz, Oswald R., Nestle, and Romano.
- Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Heat power plant. 2,472,846, June 14.
- Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Naval power plant. 2,482,791, Sept. 27.
- Nettles, Isaac, Detroit, Mich. Gun with reciprocable breech block and rotary feeder. 2,483,837, Oct. 4.
- Neuber, Herbert K., assignee: *See*—
Weathers, Paul.
- Nenbergen, Carl, and H. Lustig, assignors to Interchemical Corporation, New York, N. Y. Manufacture of amino acids. 2,462,124, Feb. 22.

- Neubert, Willi, H. Krzikalla, and R. Armbruster, Ludwigshafen-on-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Sizing paper and product. 2,492,702, Dec. 27.
- Neufeld, Jacob, Tulsa, Okla. Transducing system to compensate for torsion in a magnetic record wire. 2,476,110, July 12.
- Neufeld, Jacob, Tulsa, Okla. Apparatus for determining right characteristics of clouds by reflections. 2,481,034, Sept. 6.
- Neuhart, Frederick C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solid bed catalyst regeneration process. 2,461,838, Feb. 15.
- Neuman, Michael J., assignor to International Resistance Company, Philadelphia, Pa. Liquid cooled resistor. 2,491,872, Dec. 20.
- Neuman, Norman, Montreal, Quebec, Canada. Socket for fluorescent lighting. 2,466,778, Apr. 12.
- Neumann, Anna, Brooklyn, N. Y. Belt or strap fastener. 2,475,634, July 12.
- Neumann, Anna, Brooklyn, N. Y. Buckle. 2,480,874, Sept. 6.
- Neumann, Arthur E., Wilmette, Ill., assignor to Milwaukee Thread Rolling Company, Milwaukee, Wis. Thread rolling machine. 2,464,883, Mar. 22.
- Neumann, Ferdinand, Detroit, Mich. Gun sight. 2,475,570, July 5.
- Neumann, Fred W., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of diazo prints utilizing resorcinol carbonamides as coupling components. 2,467,358, Apr. 12.
- Neumann, George R., St. Clair Shores, and E. F. Farrell, Grosse Pointe Woods, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Heating device. 2,459,575, Jan. 18.
- Neumann, Henry T., New York, N. Y., assignor of one-half to L. G. Arpin, Montclair, N. J. Dyeing vinyl chloride fibers with basic dyes. 2,489,537, Nov. 29.
- Neumann, Jan, Brunn, Czechoslovakia. Button. 2,462,332, Feb. 22.
- Neumann, Salomon, assignor of one-half to Shand Kydd Limited, London, England. Pregummed paper, fabric, and other materials. 2,477,344, July 26.
- Neumann, William J., East Detroit, Mich. Dust excluding device for carpeted stairs. 2,458,293, Jan. 4.
- Neumeier, Franz M.: *See*—
Omohundro, Allen L., Golden, and Neumeier.
Omohundro, Allen L., Neumeier, and Zeitlin.
- Neuroth, John, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Air operated actuator. 2,471,579, May 31.
- Neustadter, Irving, Brooklyn, N. Y. Lingual mold bar for dental molds. 2,471,344, May 24.
- Neutelings, Theodor R., Bergen-op-Zoom, Netherlands. Device for restoring to shape the walls of deformed sheet-metal boxes and their lids. 2,461,839, Feb. 15.
- Neutelings, Theodor R., and Willem Neutelings, assignors to Industrie-en Handelsmaatschappij "De Vuurslag," C. V., Bergen op Zoom, Netherlands. Baking oven. 2,480,951, Sept. 6.
- Neutelings, Willem: *See*—
Neutelings, Theodor R. and W.
- Neuwirth, Herman, assignor to Testrite Instrument Co., Inc., New York, N. Y. Tripod leg. 2,461,915, Feb. 15.
- Neuwirth, Herman, Brooklyn, assignor to Testrite Instrument Co., Inc., New York, N. Y. Tripod leg. 2,490,369, Dec. 6.
- Neuwirth, Herman, Brooklyn, assignor to The Testrite Instrument Co. Inc., New York, N. Y. Transmitting and radiating light rays emitted from a source of light. 2,490,370, Dec. 6.
- Neuzerling, Francis J., Milwaukee, Wis. Magnetic amusement device requiring playing skill. 2,463,795, Mar. 8.
- Neville Company, The, assignee: *See*—
Geiger, Lyle M.
- Neville, John V. H., Columbus, Mont. Method of and apparatus for making radiographs. 2,488,138, Nov. 15.
- Nevills, Lester J., Lemay, assignor of one-half to Stupp Bros. Bridge & Iron Company, St. Louis, Mo. Fluorescent lamp circuit. 2,483,225, Sept. 27.
- Nevison, John A., and R. M. Lincoln, Media, assignors to The Atlantic Refining Company, Philadelphia, Pa. Catalytic oxidation of ethylene to ethylene oxide. 2,491,057, Dec. 13.
- Nevius, Searle G.: *See*—
Sprague, Robert B., and Nevius.
- Nevius, Searle G., Santa Monica, Calif. Electric pressure indicator. 2,470,714, May 17.
- New, Randal G. A.: *See*—
Huggill, Henry P. W., and New.
- Newark Stove Company, assignee: *See*—
Chesser, Cecil E., and Cline.
- Newberger, Michael P., Cleveland, Ohio. Cigarette shield. 2,471,116, May 24.
- Newberry, Loren W., Dallas, Tex. Air cleaner. 2,480,379, Aug. 30.
- Newbill, Carl V., Portland, Oreg. Thermostatically operated electric switch. 2,464,340, Mar. 15.
- Newbill, Carl V., Portland, Oreg. Thermostatically operated electric switch. 2,479,179, Aug. 16.
- Newbold, Hannah M., executrix: *See*—
Newbold, William H.
Newbold, William H. and H. M.
- Newbold, Park L., Cedar Rapids, Iowa. Grass shears. 2,469,983, May 10.
- Newbold, William H., Langhorne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Wide-band superheterodyne receiver. 2,460,900, Feb. 8.
- Newbold, William H., deceased, Langhorne, Pa., by Hannah M. Newbold, executrix, Langhorne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Radio object location device. 2,471,888, May 31.
- Newbold, William H., deceased, late of Langhorne, Pa., by H. M. Newbold, executrix, Langhorne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Antenna orientation control system. 2,481,331, Sept. 6.
- Newbold, William H., deceased, by H. M. Newbold, executrix, Langhorne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Three-dimensional proximity indication system. 2,486,197, Oct. 25.
- New Britain Machine Company, The, assignee: *See*—
Angle, Glenn D.
- Newburger, Samuel, Chicago, Ill. Popcorn warming device. 2,458,190, Jan. 4.
- Newby, Frederic L. and R. F., Anderson, Ind. Device for dehairing animal hides and pelts. 2,483,848, Sept. 27.
- Newby, Richard F.: *See*—
Newby, Frederic L. and R. F.
- New Castle Products, Inc., assignee: *See*—
Watkins, Ernest R.
- Newcom, Harvey C., Alameda, Calif. Cigarette holder. 2,462,333, Feb. 22.
- Newcomb, Leroy, San Gabriel, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Air throttle control for internal-combustion engines. 2,467,685, Apr. 19.
- Newcomer, Everett J., Kew Gardens, assignor to City Vending Equipment Corp., Maspeth, Long Island, N. Y. Product vending machine. Re. 23,103, Apr. 26.
- Newcomer, Keepers M., Pittsburgh, Pa. Liquid mixing valve. 2,464,458, Mar. 15.
- Newell, Charles W., Moline, Ill. Firing and loading safety for automatic guns. 2,469,400, May 10.
- Newell, Floyd B., and V. E. Matner, assignors to Taylor Instrument Companies, Rochester, N. Y. Hygrometer. 2,481,332, Sept. 6.
- Newell, Floyd B., assignor to Taylor Instrument Companies, Rochester, N. Y. Pneumatic controller. 2,487,266, Nov. 8.
- Newell, George A., Hurlock, Md. Chicken house manure conveyor. 2,490,538, Dec. 6.
- Newell, George K., near Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Temperature responsive apparatus. 2,477,819, Aug. 2.
- Newell, Harold A., Dillsboro, Ind., and A. W. Kramer, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Antenna. 2,489,720, Nov. 29.
- Newell, Heber L., Fishkill, N. Y., assignor to General Electric Company. Timing mechanism for washing machines and the like. 2,467,848, Apr. 19.
- Newell, Heber L., Fishkill, N. Y., assignor to General Electric Company. Electric switch mechanism. 2,481,333, Sept. 6.
- Newell, Heber L., Fishkill, assignor to Reeves Ely Laboratories, Inc., New York, N. Y. Drier. 2,487,722, Nov. 8.
- Newell, Isaac L., Wethersfield, Conn., assignor to Heatbath Corporation, Indian Orchard, Mass. Blackening copper and copper alloys. 2,475,981, July 12.
- Newell, John N., Kansas City, Mo. Pipe truss. 2,487,169, Nov. 8.
- Newell, Norman A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,468,305, Apr. 26.
- Newell, Robert E., Irwin, Pa. Oven heating and control. 2,463,712, Mar. 8.
- Newell, Robert E., Irwin, Pa. Automatic safety pilot. 2,465,918, Mar. 29.
- Newell, Roxie M., St. Louis, Mo. Body balancing apparatus. 2,478,004, Aug. 2.
- Newell, William H., New York, J. D. Tear, Great Neck, and L. S. Brown, Long Island City, N. Y., assignors to The Sperry Corporation. Gyro-control mechanism. 2,483,980, Oct. 4.
- New England Lime Company, assignee: *See*—
Barrett, William J.
- New England Mica Company, assignee: *See*—
Goodman, Clark.
- New England Plastic Co., Inc., assignee: *See*—
Eastman, Nathaniel.
- New England Trawler Equipment Co., assignee: *See*—
Dorey, Horace V., V., and Symonds.
Symonds, Ralph F.
- Newhall, Carl A., Peabody, Mass, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for assembling and molding shoe bottom parts. 2,466,730, Apr. 12.
- Newhall, Donald H., Walpole, Mass. High-pressure hydraulic system. 2,463,552, Mar. 8.
- Newhall, Joseph F. P., St. Petersburg, Fla., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Treating potatoes. 2,472,775, June 7.

- Newhall, Joseph F. P., St. Petersburg, and M. C. Barker, Avon Park, Fla., assignors to S. C. Johnson & Son, Inc., Racine, Wis. Mechanical foamer. 2,488,876, Nov. 22.
- New Hermes Engraving Machine Corp, assignee: *See*—Gruettnner, Gerhard G.
- Newhome Corporation, assignee: *See*—Hohler, Walter F.
- Newhouse, Ernest J., Los Angeles, Calif. Expansion sleeve. 2,469,742, May 10.
- Newhouse, Simeon E., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Traction motor braking system. 2,479,397, Aug. 16.
- Newick, Evelyn C., executrix: *See*—Newick, Richard P.
- Newick, Richard P., deceased, late of Rutherford, N. J., by E. C. Newick, executrix, Grants Pass, Oreg. Half-tone diaphragm control. 2,489,804, Nov. 29.
- Newitt, John H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic switching system. 2,485,642, Oct. 25.
- New Jersey Machine Corporation, assignee: *See*—Von Hofe, George W.
- New Jersey Zinc Company, The, assignee: *See*—Anderson, Edmund A., and Jillson. Boyle, Edward J. Copeland, Lewis C., and Farber. Handwerk, Erwin C., and Mahler. Miller, Neville F. Peirce, Willis M. Reimert, Lawrence J., and Fatzinger. Truesdale, Edward C.
- Newkirk, Arthur E.: *See*—Di Giorgio, Philip A., and Newkirk.
- Newkirk, Arthur E., Schenectady, N. Y., assignor to General Electric Company. Production of vinyl fluoride polymers. 2,479,957, Aug. 23.
- Newton, George R., assignor to Marietta Manufacturing Company, Point Pleasant, W. Va. Pipe-bending machine. 2,464,459, Mar. 15.
- Newman, Alexander I., River Forest, assignor to Precision Scientific Co., Chicago, Ill. Specimen holder. 2,466,610, Apr. 5.
- Newman, Charles: *See*—Bechtold, Ira C., Stephens, and Newman.
- Newman, Donald K.: *See*—Yocam, Lee R., and Newman.
- Newman, Edwin B., Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Electronic noise generator. 2,483,226, Sept. 27.
- Newman, Eric P., Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Control system. 2,471,343, May 24.
- Newman, Eric P., Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Safety control system for burners. 2,483,298, Sept. 27.
- Newman, Frederick A., Birmingham, Ala. Lawn mower. 2,485,984, Oct. 25.
- Newman, Henry B. L., Rockhampton, Queensland, Australia. Pipe coupling. 2,459,389, Jan. 18.
- Newman, Joseph M., Toronto, Ontario, Canada. Vegetable and fruit shredding device. 2,460,901, Feb. 8.
- Newman, Lewis T., Memphis, Tenn. Vending apparatus. 2,459,715, Jan. 18.
- Newman, Louis B., Chicago, Ill. Adjustable retractor. 2,474,857, July 5.
- Newman, Max M., assignor of one-half to V. Newman, New York, N. Y. Shirt collar shaping device. Re. 23,072, Jan. 4.
- Newman, Max M., New York, N. Y. Necktie construction. 2,484,182, Oct. 11.
- Newman, Milton, Philadelphia, Pa. Nonslip rug pad. 2,485,307, Oct. 18.
- Newman, Morris, Minneapolis, Minn. Electrostatic precipitator system. 2,462,890, Mar. 1.
- Newman, Robert J., Enfield, and D. S. Freund, assignors of one-third to E. A. Baker, London, England. Labelling machine. 2,461,295, Feb. 8.
- Newman, Victor, assignee: *See*—Newman, Max M.
- Newman, William, and Sons Limited, assignee: *See*—Rollason, Stewart A.
- Newman, William R., Austin, Tex. One-piece plastic ignition harness for gasoline engines. 2,488,096, Nov. 15.
- Newmann, Charles A., and H. H. Baca, Corpus Christi, Tex. Fluid propelled and controlled aircraft. 2,461,435, Feb. 8.
- Newport Steel Corporation, assignee: *See*—Higham, William W.
- New Process Screw Corporation, assignee: *See*—De Vellier, William A.
- New Products Corporation, assignee: *See*—Banker, Oscar H.
- News Syndicate Co., Inc., assignee: *See*—Dultgen, Arthur.
- Newsom, Kitchener K., San Francisco, Calif. Shipping box. 2,475,107, July 5.
- Newsome, James W., Belleville, and J. W. Van Cleve, East St. Louis, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Purification of solutions. 2,486,318, Oct. 25.
- Newstead, Ralph, New York, N. Y. Vertically adjustable table. 2,472,722, June 7.
- Newstedt, Harry N., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Airport lighting system. 2,486,198, Oct. 25.
- Newsom, H., Sons & Company, Limited, assignee: *See*—Lacon, Gilbert W.
- Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Multiple refrigeration system with controls therefor. 2,461,760, Feb. 15.
- Newton, Amos S., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Nitrogen purification process. 2,487,360, Nov. 8.
- Newton, Charles E., Charlestown, Mass. Dispensing apparatus. 2,485,062, Oct. 18.
- Newton, Charles G., Hamilton, Ontario, Canada. Machine for applying transfers. 2,484,901, Oct. 18.
- Newton, Donald C.: *See*—Hall, Flemmon P., and Newton.
- Newton, Frank E.: *See*—Bray, Frederick H., and Newton.
- Newton, George C., Jr., Hempstead, N. Y. Transducer mechanism. 2,490,150, Dec. 6.
- Newton, Herman S., Temple, Tex. Brush sander head. 2,474,063, June 21.
- Newton, John S.: *See*—Arnold, Edwin E., and Newton. Arnold, Edwin E., Putz, and Newton.
- Newton, John S., Havertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus. 2,469,238, May 3.
- Newton, John S., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive reversing gearing. 2,469,743, May 10.
- Newton, John S., Lansdowne, and T. J. Putz, Upper Darby, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine driven locomotive apparatus. 2,491,200, Dec. 13.
- Newton, Lansdowne & Company Limited, assignee: *See*—Kelly, Edgar O. J.
- Newton, Roger H., Bowling Green, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for contacting gases with solid fluent materials. 2,490,828, Dec. 13.
- Newton, Thabous A., Flomaton, Ala. Ignition apparatus. 2,457,916, Jan. 4.
- Newton, Wilbert F.: *See*—Strain, Franklin, and Newton.
- New Wrinkle, Inc., assignee: *See*—Beynon, Nathan I. Luaces, Enrique L. Walde, William A.
- New York Air Brake Company, The, assignee: *See*—Elsworth, John V. V. Groves, Martin V. Huber, Howard E., and M. W. Huber, Matthew W. Sudduth, Henry N. Vroman, Erwin C. Whittingham, David J.
- New York Rubber Corporation, assignee: *See*—Rogers, Wallace C., and Anderson.
- Ney, Otto, assignee: *See*—Salinger, Gerhard T.
- Ney, William O., Jr.: *See*—Barnes, Carl E., and Ney, Jr.
- Neyens, Wayne E., assignor to D. Gottlieb, Chicago, Ill. Electrical switching device. 2,487,979, Nov. 15.
- Niagara Blower Company, assignee: *See*—Deverall, Charles N. Kals, Walter.
- Niagara Research Corporation, assignee: *See*—Yeiser, Frank M.
- Nicaro Nickel Company, assignee: *See*—Fitzhugh, Robert R., Frederick, and Axelrad. Hills, Robert C., and Dufour.
- Niceley, Thomas J., Tonopah, Nev. Stope jack. 2,462,662, Feb. 22.
- Nicewander, Daniel A.: *See*—Hillyer, John C., and Nicewander.
- Nicholas, Andrew J., North Haven, Conn. Apparatus for cooling and carbonating liquids. 2,463,899, Mar. 8.
- Nicholas Equipment Company, assignee: *See*—Nicholas, Herbert T.
- Nicholas, George C., Worcester, Mass. Ball-point fountain pen. 2,486,869, Nov. 1.
- Nicholas, Herbert T., Huron, assignor to Nicholas Equipment Company, Bellevue, Ohio. Blade finishing machine. 2,475,455, July 5.
- Nicholas, Thomas J., Boise, Idaho. Sheet metal bending tool. 2,471,445, May 31.
- Nicholas, William, Greenbelt, Md. Missile projector. 2,484,844, Oct. 18.
- Nicholl, Leonard: *See*—Bitler, William P., Tarsio, and Nicholl.
- Nicholl, Leonard, Nyack, and G. Kesslin, New York, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Butadiene 1,3-acrylonitrile rubbery copolymers with improved low-temperature flexibility. 2,479,018, Aug. 16.

- Nicholl, Leonard, Nyack, and H. R. Elkinton, Blauvelt, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Recovery of cyanoacetic acid from aqueous inorganic salt solutions. 2,480,380, Aug. 30.
- Nicholl, Leonard, Nyack, W. Bitler, Haverstraw, and T. C. Aschner, New Rochelle, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Preparing phenyl ethyl alcohol. 2,483,323, Sept. 27.
- Nicholls, Dudley: *See—*
- Pentecost, Horace T., Bliler, Nicholls, and Archer, Jr. Nicholls, Ralph J.: *See—*
- Bide, Austin E., Nicholls, and Wilkinson.
- Nicholls, Ralph W., Miami Shores, Fla. Mounting the armature of a magnetic phonograph record reproducer and recording head. 2,466,469, Apr. 5.
- Nicholls, Richard S.: *See—*
- Woodward, John C., Snell, and Nicholls.
- Nichols, Abe, and J. Spector, Los Angeles, Calif. Peephole for doors. 2,491,758, Dec. 20.
- Nichols, Archie R., Forest Grove, Oreg. Dusting boom. 2,467,594, Apr. 19.
- Nichols, Charles W., West Orange, N. J., assignor, by mesne assignments, to C. W. Nichols, Jr., New York, N. Y. Pipe joint. 2,483,591, Oct. 4.
- Nichols, Charles W., West Orange, and J. Greenspan, Nutley, N. J., assignors to Nichols Engineering & Research Corporation, New York, N. Y. Furnace shaft construction. 2,483,592, Oct. 4.
- Nichols, Charles W., Jr., assignee: *See—*
- Nichols, Charles W.
- Nichols, Edward C.: *See—*
- Thatcher, Harry W., and Nichols.
- Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Picker check for looms. 2,489,973, Nov. 29.
- Nichols Engineering & Research Corporation, assignee: *See—*
- Connolly, George E.
- Nichols, Charles W. and Greenspan.
- Nichols, Ernest H., and R. M. Beward, assignors to The Funkhouser Company, Hagerstown, Md. Making aggregates. 2,463,994, Mar. 8.
- Nichols, Frederick S., Melrose, Mass. Ruffle curtain. 2,472,056, June 14.
- Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Picture mount. 2,459,576, Jan. 18.
- Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Easel. 2,471,536, May 31.
- Nichols, Harry J., New York, N. Y. Fuse. 2,458,405, Jan. 4.
- Nichols, Harry J., assignor to International Business Machines Corporation, New York, N. Y. Ciphering and checking device. 2,458,406, Jan. 4.
- Nichols, Harry J., assignor to International Business Machines Corporation, New York, N. Y. Automatic perforated tape reading control system. 2,464,601, Mar. 15.
- Nichols, Harry J., New York, N. Y. Variable pitch propeller. 2,474,635, June 28.
- Nichols, Harry J., New York, N. Y. Fuse. 2,483,555, Oct. 4.
- Nichols, L. O., assignee: *See—*
- Ambye, Anthon L.
- Nichols, Stephen G.
- Nichols, Lewis P., Pittston, Pa. Lapboard. 2,476,620, July 19.
- Nichols, Nathaniel B.: *See—*
- Miller, Carlton W., and Nichols.
- Nichols, Peter L., Jr., and L. T. Smith, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Resinous compositions of starch ethers with other resins. 2,458,191, Jan. 4.
- Nichols, Stephen G., Winchester, assignor to L. O. Nichols, Newton, Mass. Sharpening unit. 2,482,633, Sept. 20.
- Nichols, Victor L.: *See—*
- Bangser, William, and Nichols.
- Nichols, Walter E.: *See—*
- Rece, Franklin A., Jr., and Nichols.
- Nichols, William B., Bristol, Pa. Baby poser. 2,492,880, Dec. 27.
- Nichols, William M., Schenectady, assignor to American Locomotive Company, New York, N. Y. Turbosupercharger. 2,475,151, July 5.
- Nichols Wire and Steel Company, assignee: *See—*
- Zimmerman, Fred R.
- Nicholson, Charles A., U. S. Navy. Aircraft arresting or retarding gear. 2,474,858, July 5.
- Nicholson, Douglas G., Pittsburgh, Pa. Purification of titanium halides by treatment with metal hydrides and distillation. 2,457,917, Jan. 4.
- Nicholson, Edward W. S.: *See—*
- Munday, John C., and Nicholson.
- Nicholson, Elwood J., Los Angeles, assignor to Photo Research Corporation, San Fernando, Calif. Device for determining color temperatures of light sources. 2,475,108, July 5.
- Nicholson, Emmett, Dunedin, Fla. Apparatus for heating air. 2,471,972, May 31.
- Nicholson File Company, assignee: *See—*
- Le Fevre, Edward B.
- Nicholson, Frank H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling system. 2,461,077, Feb. 8.
- Nicholson, George E., and J. B. McGay, Tulsa, Okla., assignors to Ohmer Corporation, Dayton, Ohio. Chart hub. 2,483,427, Oct. 4.
- Nicholson, Madison G., Jr.: *See—*
- Burlingame, Ernest D., and Nicholson, Jr.
- Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Tuning control system for signal seeking receivers. 2,472,957, June 14.
- Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Signal seeking receiver for frequency modulated signals. 2,478,977, Aug. 16.
- Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Frequency modulation phonograph system. 2,490,277, Dec. 6.
- Nicholson, Madison G., Jr., Snyder, and J. C. Pontius, Williamsville, assignors to Colonial Radio Corporation, Buffalo, N. Y. Signal-seeking receiver for amplitude modulation and frequency modulation signals. 2,487,772, Nov. 8.
- Nicholson, Ralph A., assignor to R. T. Moloney, Chicago, Ill. Beverage dispensing system. 2,475,511, July 5.
- Nicholson, Ralph A., assignor to R. T. Moloney, Chicago, Ill. Liquid level switch. 2,481,612, Sept. 13.
- Nicholson, Richard E.: *See—*
- Meharg, Virgil E., Mazzucchelli, and Nicholson.
- Nicholson, Stanley W., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Air motor of the expandable chamber collapsible wall type. 2,463,900, Mar. 8.
- Nicholson, William I., Jr., Tulsa, Okla. Golf scorer. 2,467,686, Apr. 19.
- Nick, George A., Sacramento, Calif. Animal skinning device. 2,471,235, May 24.
- Nickel Cadmium Battery Corporation, assignee: *See—*
- Berg, Carl, and Marcus.
- Nickell, Guy N., Oakland, Calif. Cutting mechanism. 2,465,392, Mar. 29.
- Nickelsen, John M., Ann Arbor, and H. W. Emerick, assignors to Monroe Auto Equipment Company, Monroe, Mich. Tire pump connection. 2,459,716, Jan. 18.
- Nickelsen, John M., Ann Arbor, and C. E. Read, assignors to Monroe Auto Equipment Company, Monroe, Mich. Spring seat construction. 2,484,722, Oct. 11.
- Nicodemus, Carroll N., and A. E. Gregg, Ashland, Ohio. Release coupling. 2,462,540, Feb. 22.
- Nicol, Robert P., Waterbury, Conn. Hanger. 2,485,838, Oct. 25.
- Nicolaeff, Boris A., Montreal, Quebec, Canada. Rotary aircraft athodyd motor. 2,472,917, June 14.
- Nicole, Amédée, Ste.-Croix, Switzerland, assignor, by mesne assignments, to Hermann Thorens S. A. Wireless receiver. 2,491,873, Dec. 20.
- Nicole, Maurice Y.: *See—*
- Davies, Frank P., and Nicole.
- Nicolet, Constant E., Westport, Conn., assignor, by mesne assignments, to Airkem, Inc., New York, N. Y. Wick-supporting device. 2,474,606, June 28.
- Nicolet, Constant E., Westport, Conn., assignor to Camloc Fastener Corporation, New York, N. Y. Fastener structure. 2,485,010, Oct. 18.
- Nicoletti, John, Yuba City, Calif. Heel construction. 2,466,611, Apr. 5.
- Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Forming low-reflecting surfaces on optical elements. 2,461,840, Feb. 15.
- Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Cascade phosphor screen. 2,476,619, July 19.
- Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Schmidt-type image projection apparatus. 2,476,898, July 19.
- Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Image tube. 2,490,740, Dec. 6.
- Nicoll, Frederick H., and F. E. Williams, Princeton, N. J., assignors to Radio Corporation of America. Producing low-glare coatings. 2,486,431, Nov. 1.
- Nicolle, Charles, Gentilly, France. Apparatus for the distribution of pulverulent products. 2,483,148, Sept. 27.
- Nicolls, Wilfrid E. W., assignor to C. A. V. Limited, Acton, England. Hydraulic governor. 2,481,334, Sept. 6.
- Nicorvo, Edwin J., South Amboy, N. J. Portable string of sound producing devices. 2,470,047, May 10.
- Nidiffer, Gene: *See—*
- Buckthal, Elmer P., and Nidiffer.
- Niedelman, Samuel, New York, N. Y., and M. Rauscher, Arlington, Mass., assignors to Avitecnica, Inc., New York, N. Y. Drill positioning mechanism. 2,483,060, Sept. 27.
- Nieder, William H., Chicago, Ill. Cleaning machine for small parts, particularly watch or clock parts. 2,480,502, Aug. 30.
- Niederhauser, Alfred, Basel, Switzerland. Toggle link jack with two lifting phases. 2,453,407, Jan. 4.
- Niederhauser, Homer, Berne, Ind. Reclining chair. 2,470,364, May 17.
- Niederhauser, Warren D.: *See—*
- Bruson, Herman A., and Niederhauser.
- Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Aromatic nitriles. 2,476,264, July 12.

- Niederhauser, Warren D., and J. E. Koroly, assignors to Röhm & Haas Company, Philadelphia, Pa. Epoxidation of esters of oleic and linoleic acids. 2,485,160, Oct. 18.
- Niederhiser, Floyd E., Cleveland, Ohio. Hinged supported motor wrench. 2,470,897, May 24.
- Niederhiser, Floyd E., Cleveland, Ohio. Machine-tool adapter. 2,483,662, Oct. 4.
- Niederhiser, Floyd E., Cleveland, Ohio. Motor and brake device. 2,490,456, Dec. 6.
- Niederhiser, Floyd E., Cleveland, Ohio. Mounting means for power devices. 2,490,597, Dec. 6.
- Niederkorn, Frank N., Port Washington, Wis. Dust collector. 2,464,648, Mar. 15.
- Niederl, Joseph B., Brooklyn, N. Y. Diisobutyl substituted heterocyclic compounds. 2,483,838, Oct. 4.
- Nielsen, A. C., Company, assignee: *See*—
Clark, Robert A., Jr.
Krahulec, Fred.
Rahmel, Henry A.
Rahmel, Henry A., and Bentley, II.
- Nielsen, Claudius, Detroit, Mich. Mixing machine. 2,463,995, Mar. 8.
- Nielsen, Clayton P., Chicago, Ill., assignor to Mid-States Equipment Corporation. Welding apparatus. 2,459,577, Jan. 18.
- Nielsen, Erik R., assignor to The Quaker Oats Company, Chicago, Ill. Catalysts for oxidizing furfural and preparation thereof. 2,464,825, Mar. 22.
- Nielsen, James S., Stow, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Metal bending and stretching apparatus. 2,459,132, Jan. 11.
- Nielsen, Karl K.: *See*—
Sandersen, Gerard L., Nielsen, and Campbell.
- Nielsen, Merlin J.: *See*—
Brown, Russell E., and Nielsen.
- Nielsen, Peer D.: *See*—
King, Clarence D., and Nielsen.
- Nielsen, Ralph L., Los Angeles, Calif. Camera tripod head. 2,471,886, May 31.
- Nielsen, Robert A., Copenhagen, Denmark. Drilling machine for the simultaneous drilling of three holes. 2,484,243, Oct. 11.
- Nielsen, Sidney E., Shreveport, La. Hand cart with load fastener. 2,481,145, Sept. 6.
- Nielson, Carl A.: *See*—
Milton, Clare L., Jr., and Nielson.
- Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Actuator button. 2,485,213, Oct. 18.
- Nier, Alfred O., New York, N. Y., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Method and apparatus for determining leaks. 2,486,199, Oct. 25.
- Nier, Alfred O. C., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Mass spectrometer tube ion source assembly. 2,490,278, Dec. 6.
- Nierenberg, Louis, Brooklyn, N. Y. Manufacture of furs. 2,482,929, Sept. 27.
- Nies, William L., Wheaton, Ill. Pump. 2,464,095, Mar. 8.
- Niessen, Paul F., and R. G. Welk, assignors to Victor Manufacturing & Gasket Co., Chicago, Ill. Fluid seal. 2,485,011, Oct. 18.
- Nielhamer, Julius, Whitestone, N. Y. Horizontal-disk pulverizer. 2,478,937, Aug. 16.
- Nieuwdorp, Hendrik: *See*—
Vingerhoets, Antonius W., and Nieuwdorp.
- Nieuwsma, Menne, Herreid, S. Dak. Grip claw hammer. 2,491,129, Dec. 13.
- Nigg, Donald J., Syracuse, N. Y., assignor to General Electric Company. Tube mounting. 2,484,578, Oct. 11.
- Nigg Engineering Company, assignee: *See*—
Nigg, Gilbert W., and Sullivan.
- Nigg, Gilbert W., Covina, and G. C. Sullivan, Hollywood, assignors to Nigg Engineering Company, Covina, Calif. Stud for cowl fasteners. 2,486,670, Nov. 1.
- Nighbert, Dennis W.: *See*—
Schneider, Paul L., Cromwell, and Nighbert.
Schneider, Paul L., and Nighbert.
- Nighthart, George E., Lewistown, Pa. Bicycle holding fixture. 2,460,944, Feb. 8.
- Nighthart, George E., Lewistown, Pa. Bicycle servicing fixture. 2,460,945, Feb. 8.
- Nightingall, Charles M. G., executor: *See*—
Nightingall, Victor C. J.
- Nightingall, Ruth V., executor: *See*—
Nightingall, Victor C. J.
- Nightingall, Victor C. J., deceased, Heidelberg, Victoria, by Ruth V. Nightingall, A. M. Old, C. M. G. Nightingall, J. B. Aitken, and M. G. McKenzie, executors, Melbourne, assignors to Di-Met Proprietary Limited, West Melbourne, Victoria, Australia. Protectively coated ferrous metal surfaces and producing same. 2,462,763, Feb. 22.
- Nigro, John, Florham Park, N. J. Electronic relay. 2,490,457, Dec. 6.
- Nijland, Hendrik A. H., Laren, Netherlands. Electric circuit breaker. 2,458,792, Jan. 11.
- Nikitin, Alexander A., Copperhill, Tenn., assignor to Tennessee Copper Company, New York, N. Y. Copper fungicides and producing same. 2,467,491, Apr. 19.
- Nikkel, Benjamin L., Windom, Kans., assignor to Long Manufacturing Company, Tarboro, N. C. Feeder for hay balers. 2,487,938, Nov. 15.
- Nika, Nicholas J., Munising, Mich. Apparatus for manufacture of paper. 2,473,069, June 14.
- Niles-Bement-Pond Company, assignee: *See*—
Barr, John M.
Chandler, Milton E.
Fox, Raymond S.
Lee, Leighton, II.
Lockwood, Harry A.
Lohutko, Florian A.
Ross, Walter F.
Steczynski, Myron E.
Stresen-Reuter, John H.
- Niles, Harold H., Mount Kisco, assignor by mesne assignments, to Edward Spierer, Brooklyn, N. Y. Sterilizing toilet seats. 2,458,019, Jan. 4.
- Niles, William R., Herington, Kans. Automatic signal device for automobiles. 2,458,192, Jan. 4.
- Nil, Richard G., assignor to Fort Wayne Tool, Die and Engineering Company, Fort Wayne, Ind. Magnetic fixture for holding work to be ground. 2,474,800, June 28.
- Nilson, Hans T.: *See*—
Henderson, Ira W., and Nilson.
- Nilson, Carl E. J., Aengelholm, Sweden. Time recording apparatus. 2,483,926, Oct. 4.
- Nilson, James H., Wilmette, and V. C. Westberg, assignors to Sun Electric Corporation, Chicago, Ill. Tachometer generating apparatus. 2,460,999, Feb. 8.
- Nilsson, Einar: *See*—
Cull, John W., and Nilsson.
- Nilsson, Gustaf F., Minneapolis, Minn. Electrode holder. 2,458,723, Jan. 11.
- Nilsson, Hans R.: *See*—
Boestad, Gustav K. W., and Nilsson.
- Nilsson, Hans R., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Rotary multiple helical rotor machine. 2,481,527, Sept. 13.
- Nilsson, Nils A., Stockholm, Sweden. Easel. 2,480,952, Sept. 6.
- Nims, Albert A., Jr., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shorting bar for concentric lines. 2,463,415, Mar. 1.
- Nims, Joseph W., Sr., Lancaster, S. C. Pneumatic means for spinning frames. 2,487,361, Nov. 8.
- Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Firing switch for rocket launchers. 2,479,769, Aug. 23.
- Nims, Paul T., Wayne County, and H. S. Phelan, Oakland County, assignors to Chrysler Corporation, Highland Park, Mich. Firing switch for rocket launchers. 2,488,228, Nov. 15.
- Nineteen Hundred Corporation, assignee: *See*—
Ringer, Luther.
- Ninol Development Co., assignee: *See*—
Kritchevsky, Theodore.
- Nippert, Paul W., Columbus, Ohio. Apparatus for measuring bodies possessing a uniform wedge-shaped cross-sectional configuration. 2,487,667, Nov. 8.
- Nisbet, Alexander E., Sr., San Angelo, Tex. Means for picking cotton. 2,484,524, Oct. 11.
- Nissen, Henry, assignor to A. Minukas, Hartford, Conn. Electromagnetic hill holder for vehicles. 2,472,544, June 7.
- Nissen, Henry C., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Overload release mechanism. 2,484,793, Oct. 11.
- Nissen, Martin E., Hutchinson, Minn. Kite plane device. 2,473,213, June 14.
- Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,484,579, Oct. 11.
- Nittinger, Elmer W., executor: *See*—
Knapp, David R.
- Nitz, Charles G., and C. F. Hofmeier, Milwaukee, Wis. Toy gun. 2,476,212, July 12.
- Nixon, Alan C.: *See*—
Shiras, Russell N., Nixon, and Deal, Jr.
- Nixon, Alan C., Berkeley, D. C. Lehwald, Oakland, and H. A. Cheney, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Distillation of olefin-hydrogen chloride mixtures. 2,472,610, June 7.
- Nixon, Harley E., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,463,299, Mar. 1.
- Nixon, Leslie R., New Eltham, London, assignor to J. Stone & Company, Limited, Deptford, England. Apparatus for testing voltage regulators. 2,472,545, June 7.
- Nixon, Nicholas N.: *See*—
Labounsky, Nicholas N.
- Nizolek, John J., Chicago, Ill. Water filter bowl. 2,458,625, Jan. 11.
- Noble Company, assignee: *See*—
Fate, Harold L.
- Noble, Daniel E., Chicago, Ill., assignor to Motorola, Inc. Interference reducing radio receiver. 2,459,675, Jan. 18.
- Noble, Elizabeth A., executrix: *See*—
Noble, Sidney G., and Wolgemuth.
- Noble, Kenneth B.: *See*—
Van Veen, Anton, and Noble.

- Noble, Sidney G., deceased, Oak Park, and W. L. Wolgemuth, La Grange, Ill.; said Wolgemuth assignor to said Noble; E. A. Noble, executrix of said S. G. Noble, assignor to Du Bois Company, Cincinnati, Ohio. Solution concentration control system. 2,492,174, Dec. 27.
- Noble, Sidney H., Harrow Weald, England, assignor to General Electric Company. Glow switch. 2,459,578, Jan. 18.
- Noble, Stanford V., North Hollywood, Calif. Hydraulic jack. 2,471,770, May 31.
- Noble, Warren, Garden City, N. Y., assignor, by mesne assignments, to D. R. Hanson, Melrose, Mass., and C. W. Hayes, Bethesda, Md., as trustees. Seal. 2,461,655, Feb. 15.
- Noble, Wiley B., and W. C. Francis, assignors to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,490,151, Dec. 6.
- Noble & Wood Machine Company, The, assignee: See—Dodge, George W.
- Nobles, Warren H., St. Paul, Minn. Flexible chute. 2,488,679, Nov. 22.
- Noblitt, Quintin G., and E. Ludlow, assignors to Noblitt Sparks Industries, Inc., Columbus, Ind. Mirror mounting. 2,485,063, Oct. 18.
- Noblitt, Quintin G., and E. C. Booth, assignors to Noblitt Sparks Industries, Inc., Columbus, Ind. Fabricated metal ironing board top. 2,487,762, Nov. 8.
- Noblitt Sparks Industries, Inc., assignee: See—Booth, Earl C.
Booth, Earl C., and Jones.
Farr, Edward A., and Theisen.
Noblitt, Quintin G., and Booth.
Noblitt, Quintin G., and Ludlow.
- Nock, Harry, assignee: See—Martin, O. C.
- Noel, Clarence J., Indian Orchard, Mass. Micrometer tool. 2,488,319, Nov. 15.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Electrode structure. 2,459,579, Jan. 18.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. High-pressure discharge lamp. 2,467,687, Apr. 19.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Photographic lighting unit. 2,482,430, Sept. 20.
- Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Multiple flash lamp device. 2,485,404, Oct. 18.
- Noel, Edward B., Cleveland Heights, and P. B. Davis, East Cleveland, Ohio, assignors to General Electric Company. Electric lamp unit. 2,469,607, May 10.
- Noel, Edward B., Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Multiple flash lamp device. 2,485,403, Oct. 18.
- Noelcke, Edward A., St. Petersburg, Fla. Snag puller and tackle saver. 2,482,716, Sept. 20.
- Noell, Elmer F., assignor to The Printing Machinery Company, Cincinnati, Ohio. Machine for die-cutting paper. 2,483,735, Oct. 4.
- Noeth, Bernice L., South Bend, Ind. Vacuum jar. 2,484,309, Oct. 11.
- Noether, Herman D.: See—Irany, Ernest P., and Noether.
- Noffsinger, Charles A.: See—Quattlebaum, William M., Jr., and Noffsinger.
- Noflitt Sparks Industries, Inc., assignee: See—Booth, Earl C.
- Nofz, Harold E., assignee: See—Linden, Carl A.
- Nofzinger, Earl E., Greenville, Mich., assignor to United Air Lines, Inc., Chicago, Ill. Hollow rivet with undercut head. 2,492,590, Dec. 27.
- Nozle, James E., Jacksonville Beach, Fla. Trailer dolly. 2,460,466, Feb. 1.
- Nokes, Charles M., Salt Lake City, C. G. Quigley, Garfield, and R. T. Pring, Magna, Utah. Differential froth flotation of sulfide ores. 2,492,936, Dec. 27.
- Nolan, Ernest R., Wheatridge, and E. W. Danbom, Denver, Colo. Shingle. 2,462,990, Mar. 1.
- Nolan, John J., Jr., assignor to The Central Foundry Company, New York, N. Y. Collapsible core for centrifugal pipe molds. 2,486,870, Nov. 1.
- Nolan, Kenneth G.: See—Jayne, David W., Jr., Day, and Nolan.
- Nolan, Kenneth G., South Norwalk, R. L. Morgan, Old Greenwich, and J. H. Fletcher, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Fungicidal preparations. 2,460,710, Feb. 1.
- Nolde and Horst Company, The, assignee: See—Floyd, Earl T.
- Noll, George W., assignee: See—Graycarek, Benjamin J.
- Noll, Henry D., Denville, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Contact conversion of hydrocarbons. 2,462,891, Mar. 1.
- Noll, Paul E., Pasadena, and C. W. Crawford, assignors by mesne assignments, to Consolidated Western Steel Corporation, Los Angeles, Calif. Gas holder. 2,491,013, Dec. 13.
- Noll, Robert M., Deming, N. Mex. Combined choke regulator and recoil compensator for shotguns. 2,490,829, Dec. 13.
- Noller, Harry F., Berkeley, G. K. Hurni, Oakland, Calif., and K. F. Stone, Long Branch, N. J., assignors to Marchant Calculating Machine Company. Early value setting mechanism. 2,467,441, Apr. 19.
- Nolt, Edwin B., Ephrata, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Conveyor for hay gathering and feeding mechanism for hay balers. 2,481,528, Sept. 13.
- Noma Electric Corporation, assignee: See—Frye, Harold B.
Larsen, Olaf F., Jr.
Markey, Roscoe I.
- Noned Corporation, The, assignee: See—Vincent, James G.
- Noonin, Ralph W., Gadsden, Ala. Combination lead and brass union. 2,488,229, Nov. 15.
- Noonan, Joseph F., Elmhurst, Long Island, N. Y. Safety bumper for motor vehicles. 2,466,265, Apr. 5.
- Nopeco Chemical Company, assignee: See—Beckmann, Charles O.
Buxton, Loran O., and Dryden.
Chodroff, Saul, Kapp, and Beckmann.
Dombrow, Berland A., and Miskel.
Knox, Lawrence H., and Kapp.
Pickel, Frank D., Fass, and Chodroff.
Price, Donald and Sprules.
Sherman, Laurence R.
Sherman, Laurence R., and Benson.
Sprules, Francis J., and Liebling.
- Nononen, William, assignee: See—Langley, Stanley, and Warring.
- Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Pneumatically unloadable shipping container. 2,464,183, Mar. 8.
- Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Shipping container. 2,471,280, May 24.
- Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Shipping container. 2,478,777, Aug. 9.
- Norcross, Austin S., Waban, Mass. Apparatus for measuring the viscosity of a liquid in a tank. 2,491,389, Dec. 13.
- Norcross, Gilbert F.: See—Harrigan, C. Herbert, Wetzold, Norcross, and Van Riper.
- Nordberg, Ernst A., Southport, Conn. Method and apparatus for winding coiled bodies. 2,459,536, Jan. 18.
- Nordberg, Ernst A., Southport, Conn. Treating coiled bodies. 2,480,503, Aug. 30.
- Nordberg Manufacturing Company, assignee: See—Anderson, Karl V.
Cramer, Robert, Jr.
Kellogg, Joseph.
Shafter, Ruland R.
Tacchella, Adolph.
Talboys, Henry H., and Isaacs.
Turnwald, Wolfgang.
- Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Making fibrous glass articles. 2,461,841, Feb. 15.
- Nordberg, Oscar, and C. B. Snow, Missoula, Mont. Stake for logging truck bunks. 2,475,753, July 12.
- Nordel Corporation, assignee: See—Erjen, Haakon M.
- Nordell, Carl H., Chicago, Ill. Valve. 2,467,150, Apr. 12.
- Nordell, Carl H., Chicago, Ill. Hydraulic air compressor. 2,478,051, Aug. 2.
- Norden, Carl L., New York, assignor, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y. Erecting system for gyroscopes. 2,462,541, Feb. 22.
- Norden, Jesse, Woodmere, N. Y. One-piece paper container. 2,468,306, Apr. 26.
- Norden Laboratories Corporation, The, assignee: See—Norden, Carl L.
- Nordenson, Willard H., Rock Island, Ill., assignor to Deere Manufacturing Co. Reversible wheel. 2,486,970, Nov. 1.
- Nordlin, Henry G., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Coaxial line termination. 2,474,272, June 28.
- Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Desk structure. 2,469,239, May 3.
- Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Automatic reel. 2,480,335, Aug. 30.
- Nordquist, Eddie E., Toms River, N. J. Fishing lure. 2,467,151, Apr. 12.
- Nordquist, Harry E., Seattle, Wash., assignor to Laher Spring & Tire Corp., Oakland, Calif. Vehicle spring construction. 2,468,835, May 3.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Liquid filling machine with traveling measure. 2,466,731, Apr. 12.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Adjusting means for rotatable marking heads. 2,466,732, Apr. 12.
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can closing machine. 2,469,401, May 10.

- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Marking device. 2,491,514, Dec. 20.
- Nordquist, Ronald E. J., Maplewood, and B. A. Baumann, Newark, N. J., assignors to American Can Company, New York, N. Y. Sheet treating machine. 2,484,845, Oct. 18.
- Nordquist, Ronald E. J., Maplewood, and B. A. Baumann, Newark, N. J., assignors to American Can Company, New York, N. Y. Sheet feeding and gauging mechanism. 2,488,551, Nov. 22.
- Nordquist, Ronald E. J., Maplewood, and B. A. Baumann, Newark, N. J., assignors to American Can Company, New York, N. Y. Sheet feeding and gauging mechanism. 2,490,085, Dec. 6.
- Nordsieck, Arnold T., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Anode for strapped magnetrons. 2,463,416, Mar. 1.
- Nordstrom, Bror A., assignor to Thompson Products, Inc., Cleveland, Ohio. Expanding spline arbor. 2,487,723, Nov. 8.
- Nordstrom, Herbert T.: *See—*
Mages, Morris L., and Nordstrom.
- Norelius, Elim E., Seaside, Oreg. Fishing apparatus. 2,489,974, Nov. 29.
- Norelius, Emil F., Springfield, Ill. Torque converter drive. 2,481,529, Sept. 13.
- Norelli, Patrick: *See—*
Auxier, Robert W., and Norelli.
- Norén, Helge: *See—*
Wennerbo, Erik, and Norén.
- Norgaard, Donald E.: *See—*
Abrahams, Irwin C., and Norgaard.
- Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Pulse echo system. 2,465,113, Mar. 22.
- Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Modulator circuit. 2,471,835, May 31.
- Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Electronic signal generator. 2,471,836, May 31.
- Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Television film projection with synchronized discharge lamp. 2,483,149, Sept. 27.
- Norgard, George O., San Francisco, Calif. Score register. 2,476,560, July 19.
- Norgard, Wyman D., Denver, Colo. Portable electric glass tube cutter. 2,476,680, July 19.
- Norgorden, Oscar: *See—*
Dresser, Oscar C., Norgorden, Shanahan, and Shuler.
- Noridge, Anthony, East Hartford, Conn. Drill chuck. 2,458,326, Jan. 11.
- Norin, Allan A., assignor to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin spacing device. 2,466,733, Apr. 12.
- Norland, Clarence, Cypress, Calif. Poultry drinking trough. 2,487,267, Nov. 8.
- Norlander, Walter J., Chicago, Ill. Magnetic work holder. 2,475,456, July 5.
- Norlin, Clarence F., Chicago, Ill. Pocket fastener for pens and the like. 2,481,774, Sept. 13.
- Norma-Hoffman Bearings Corporation, assignee: *See—*
Anderson, Warren D.
Hilton, John L.
Martinec, Eugene F.
- Norman, Arthur E., Fergus Falls, Minn. Adjustable ratchet wrench. 2,471,537, May 31.
- Norman, Edward A., Jr., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Gas conversion burner. 2,467,626, Apr. 19.
- Norman, Emil P., New York, N. Y. Nail file. 2,490,647, Dec. 6.
- Norman, Glenn A., Des Moines, Iowa. Flushing device. 2,461,656, Feb. 15.
- Norman, Horace M., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Ambient temperature and electrical current compensated indicator. 2,475,912, July 12.
- Norman, James E.: *See—*
Dasher, John, and Norman.
- Norman, James E., Birmingham, Ala. Treating barium sulfate with carbonates. 2,471,446, May 31.
- Norman, John H., Elmhurst, Ill. Vegetable cutter having stationary parallel blades and a pivoted pusher. 2,466,121, Apr. 5.
- Norman, Joseph W., Springfield, and C. R. Hellstrom, Wellesley, assignors to Smith and Wesson, Inc., Springfield, Mass. Safety device for revolvers. 2,470,259, May 17.
- Norman, T. E., assignee: *See—*
Parsons, Oliver F.
- Norman, Wayne A.: *See—*
Rheinfrank, George B., Jr., and Norman.
- Norman, William S., Jr., Danville, Va. Tire tread. 2,479,958, Aug. 23.
- Norman, William Z., and J. Billig, New York, N. Y., assignors to Bilnor Corp. Combined bag and inflatable pillow. 2,462,215, Feb. 22.
- Normann, Thorvald C., Oslo, Norway. Power transmission means. 2,486,671, Nov. 1.
- Norquist, Glenn H., Jamestown, N. Y. Notching machine. 2,482,121, Sept. 20.
- Norquist, Glenn H., Jamestown, N. Y. Notching machine. 2,482,122, Sept. 20.
- Norquist, Glenn H., Jamestown, N. Y. Metal-clad panel. 2,485,643, Oct. 25.
- Norquist, Glenn H., Jamestown, N. Y. Packing case and making same. 2,485,644, Oct. 25.
- Norquist, Glenn H., Jamestown, N. Y. Closure latching assembly. 2,485,645, Oct. 25.
- Norquist, Glenn H., Jamestown, N. Y. Insulated container structure. 2,485,646, Oct. 25.
- Norquist, Glenn H., Jamestown, N. Y. Insulated container structure. 2,485,647, Oct. 25.
- Norquist, Glenn H., Jamestown, N. Y. Making metal-clad panels. 2,485,648, Oct. 25.
- Norquist, Glenn H., Jamestown, N. Y. Apparatus for flanging metal clad fibrous base panels. 2,485,649, Oct. 25.
- Norris, Donald O.: *See—*
McLeod, Don, and Norris.
- Norris, Edward E., Minneapolis, Minn. Electric connector. 2,484,525, Oct. 11.
- Norris, Edward O., Westport, Conn. Pump. 2,470,319, May 17.
- Norris, Frank A., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of oleaginous materials. 2,462,663, Feb. 22.
- Norris, Frank A., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of oleaginous materials. 2,462,664, Feb. 22.
- Norris, George G., Newark, N. J. Reducing apparatus. 2,466,470, Apr. 5.
- Norris, Henry D.: *See—*
Trigg, Hastings S., Norris, and White.
- Norris, Robert R., U. S. Marine Corps Reserve. Anti-broaching gear or device. 2,476,319, July 19.
- Norris, W. C., Manufacturer, Inc., assignee: *See—*
Cross, Clint.
- Norman, Ernst, Williams Bay, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Frequency divider. 2,479,180, Aug. 16.
- North, Charles E., Montclair, N. J. Treating butterfat. 2,485,308, Oct. 18.
- North, Dwight O., Cranbury, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,488,320, Nov. 15.
- North, Edwin W., assignor to National Lock Company, Rockford, Ill. Table lid support. 2,458,627, Jan. 11.
- North, James E., Galva, Ill. Connector. 2,479,251, Aug. 15.
- North American Aviation, Inc., assignee: *See—*
Cooper, Ellis W.
Davie, Robert P., Jr.
Hall, Edward L.
Patterson, Charles E.
Villepique, Julius G.
- North American Cement Corporation, assignee: *See—*
Foster, Harry D.
- North American Geophysical Company, assignee: *See—*
Cloud, Raymond T.
- North American Rayon Corporation, assignee: *See—*
Carter, Ralph H.
Carter, Ralph H., and Kingsbury.
Kingsbury, Chadwick B.
Naumann, Herbert O.
- North American Research Corporation, assignee: *See—*
Hammann, Carl F.
- North Carolina Navigation Co., assignee: *See—*
Tapp, Robert E., and Russ.
- Northco Insulating and Ventilating Co., assignee: *See—*
Blake, Robert E., Grange, and Thomas.
- Northeast Electric & Engineering, assignee: *See—*
Hinds, John M.
- Northern Patent Developments, Limited, assignee: *See—*
Bartlett, Benson G. W.
- Northern Pump Company, The, assignee: *See—*
Hawley, John B., Jr., and Born.
- Northern Refrigerator Line Incorporated, assignee: *See—*
Keleher, William H.
Keleher, William H., and Powers.
- Northey, Elmore H.: *See—*
Crossley, Moses L., King, Northey, and Scholz.
- Northey, Elmore H., Bound Brook, and J. S. Webb, Wenonah, N. J., assignors to American Cyanamid Company, New York, N. Y. Aminobenzenesulfonamidohalopyrazines and preparing same. 2,475,673, July 12.
- Northey, Elmore H., and M. E. Hultquist, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Morpholinoalkanol esters. 2,475,852, July 12.
- Northey, Elmore H., and P. F. Dreisbach, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 4-hydroxyquinolines. 2,478,125, Aug. 2.
- Northrop Aircraft, Inc., assignee: *See—*
Hagen, Glenn E.
Oates, Charles E.
- Northrup, King & Co., assignee: *See—*
Davies, Walter R.
- Northrup, Harry R., South Bend, Ind. Oven liner. 2,466,859, Apr. 12.
- Northwest Metal Products, Inc., assignee: *See—*
Reid, George A.

- Northwestern Steel and Wire Company, assignee: *See*—
Gauger, George K.
- Norton, C. W., Jr., assignee: *See*—
Faulhaber, Roland W.
- Norton, Charles E., Highland Park, assignor to Norton
McMurray Manufacturing Company, Chicago, Ill. House
service pipe connection. 2,487,939, Nov. 15.
- Norton, Charles L., Jr.: *See*—
Harter, Isaac, Norton, Jr., and Christie, Jr.
- Norton, Charles W., West Orange, N. J., assignor to Ralph
C. Coxhead Corporation, New York, N. Y. Typing and
justifying machine. 2,465,657, Mar. 29.
- Norton, Charles W., West Orange, N. J., assignor to Ralph
C. Coxhead Corporation, New York, N. Y. Backspacing
mechanism. 2,477,702, Aug. 2.
- Norton, Charles W., West Orange, N. J., assignor to Ralph
C. Coxhead Corporation, New York, N. Y. Typewriter
for justifying lines. 2,487,890, Nov. 15.
- Norton Company, assignee: *See*—
Belden, Albert G., and Flygare.
- Beth, Hugo W. H.
- Bridgman, Percy W., Kistler, and Wheildon.
- Cline, Robert F.
- Crompton, George, Jr.
- Erickson, John R.
- Flygare, Carl G., and Swainey.
- Garside, John I.
- Green, Clarence J.
- Holmes, Donald H.
- Knowlton, James W.
- Mader, Stewart S.
- Marshall, Veikko J.
- Milligan, Lowell H., and Lombard.
- Reid, David, Jr.
- Sadler, John W.
- Sponberg, Albin V., and Paschoian.
- Van der Pyl, Edward.
- Wagner, Herbert W., and Wickstrom.
- Webster, Duane E.
- Norton, Douglas G.: *See*—
Smith, Curtis W., and Norton.
- Norton, Frank R., assignor to Bendix Aviation Corpora-
tion, Towson, Md. Television receiver. 2,470,048, May
10.
- Norton, Frank W., Chicago, Ill. Flashlight. 2,490,830,
Dec. 13.
- Norton, John F., assignor to The Upjohn Company, Kala-
mazoo, Mich. Testing the potency of a microorganism
inhibitor. 2,476,899, July 19.
- Norton, Lowell E., Princeton Junction, N. J., assignor to
Radio Corporation of America. Phase modulation system.
2,462,417, Feb. 22.
- Norton, Lowell E., Princeton Junction, N. J., assignor to
Radio Corporation of America. Detector. 2,465,743,
Mar. 29.
- Norton, Lowell E., Princeton Junction, N. J., assignor to
Radio Corporation of America. Frequency stabilizing
signal generators. 2,479,697, Aug. 23.
- Norton, Lowell E., Princeton Junction, N. J., assignor to
Radio Corporation of America. Wave length modulation.
2,479,859, Aug. 23.
- Norton Manufacturing Company, assignee: *See*—
Bradley, William H.
- Norton, Orlo C., assignor of twenty-five per cent to W. J.
Shea, Erie, Pa. Regulating system for pumps.
2,475,248, July 5.
- Norton, Oscar J., Danville, Va., assignor to Dan River
Mills, Incorporated. Cloth inspection and handling
system. 2,470,575, May 17.
- Norton, Raymond P., Algona, Iowa. Pipe facing machine.
2,490,371, Dec. 6.
- Norton, Robert L., Belmont, assignor to Eitel-McCullough,
Inc., San Bruno, Calif. Base structure for electron
tubes. 2,471,005, May 24.
- Norton, Wendell P., Jr., assignor to The Fellows Gear
Shaper Company, Springfield, Vt. Cam finishing ma-
chine. 2,471,493, May 31.
- Norvell, William E., Kansas City, Mo. Adjustable bolter
drive. 2,490,831, Dec. 13.
- Norway, Harold L.: *See*—
Buttner, William C., Norway, and Bunce.
- Norway, Harold L., Evanston, Ill., assignor to The Bastian-
Blessing Company. Gas dispensing device. 2,463,493,
Mar. 1.
- Norwich Knitting Company, assignee: *See*—
Schoendorf, Joseph A.
- Norwood Company, The, assignee: *See*—
Bode, Robert G.
- Norwood, Donald W., Pasadena, Calif. Device for cal-
culating photographic exposure. 2,489,664, Nov. 29.
- Norwood, Elise R., Fairfax, Calif. Bed table. 2,471,646,
May 31.
- Norwood, Joseph W., Los Angeles, Calif. Golf instructing
device. 2,482,930, Sept. 27.
- Norwood, Wallace L., Santa Ynez, Calif. Combined comb
and clipper. 2,465,694, Mar. 29.
- No Sag Spring Company, assignee: *See*—
Horton, Frank J.
- Nosker, Paul W., Yellow Springs, Ohio. System for de-
termining the position or path of an object in space.
2,470,787, May 24.
- Notar, Camille J., assignor of fifty per cent to R. H. Notar,
Westville, Ill. Chick sorting and shipping box.
2,475,913, July 12.
- Notar, Raymond H., assignee: *See*—
Notar, Camille J.
- Notestein, Edison L., Wayne, and R. J. Rumpf, Dearborn,
Mich., assignors to Consolidated Vultee Aircraft Cor-
poration, San Diego, Calif. Airplane propeller locking
mechanism. 2,486,672, Nov. 1.
- Novadel-Agene Corporation, assignee: *See*—
Booth, George M.
- Novak, Frank, assignee: *See*—
Novak, John.
- Novak, Izador J., Trumbull, Conn., assignor to Raybestos-
Manhattan, Inc., Passaic, N. J. Preparing oxidized
drying oil. 2,488,680, Nov. 22.
- Novak, John, Perth Amboy, assignor of one-half to F.
Novak, Old Bridge, N. J. Rotary differential hydraulic
coupling. 2,465,919, Mar. 29.
- Novak, Leo J.: *See*—
Gorcica, Henry J., and Novak.
- Novello, Gennaro, New York, N. Y. Clamp type electrical
terminal. 2,477,642, Aug. 2.
- Novick, Barry, Newark, N. J. Sponge brush. 2,483,593,
Oct. 4.
- Novitsky, Byron F., assignee: *See*—
Ball, Raymond A.
- Novotny, Emil E., Prospectville, Pa., assignor, by mesne
assignments, to The Borden Company, New York, N. Y.
Injection molding apparatus. 2,478,005, Aug. 2.
- Novotny, Emil E., Prospectville, and G. K. Vogelsang,
Lamont, Pa., assignors, by mesne assignments, to The
Borden Company, New York, N. Y. Partially dehalo-
genated reactive derivatives of the halogenation prod-
ucts of the mono hetero atomic five membered rings.
2,475,801, July 12.
- Novotny, Emil E., Prospectville, and G. K. Vogelsang,
La Montt, Pa., assignors, by mesne assignments, to The
Borden Company, New York, N. Y. Halogenation prod-
ucts of aldehydes of mono-heteroatomic five membered
rings and making same. 2,490,462, Dec. 6.
- Nowacki, Andrew W.: *See*—
Young, Ernest H., and Nowacki.
- Nowak, Edward F., Hartford, Conn., assignor to Federal
Electric Products Company, Newark, N. J. Electronic
control system. 2,492,812, Dec. 27.
- Nowak, Leon J., Jr., Chicago, Ill. Hydraulic balance.
2,462,216, Feb. 22.
- Nowak, Milton: *See*—
Minich, Arthur, and Nowak.
- Nowak, Roman, Chicago, Ill. Marine propulsion.
2,483,663, Oct. 4.
- Nowalk, Robert F., Philadelphia, Pa. Vehicle governor.
2,469,779, May 10.
- Noxon, Paul A., Tenafla, assignor to Bendix Aviation Cor-
poration, Teterboro, N. J. Precession system for di-
rectional gyroscopes. 2,492,057, Dec. 20.
- Noyes, Harry A., Watertown, Mass. Quick-freezing of
foodstuffs without precooling. 2,481,484, Sept. 13.
- Noyes, Harry A., Watertown, Mass. Freezing comestibles
with compatible solutions. 2,482,202, Sept. 20.
- Noyes, Howard, Dayton, Ohio. Fuel tank for military
aircrafts. 2,464,827, Mar. 22.
- Noyes, Howard, Dayton, Ohio. Self-locking nut of general
application. 2,487,059, Nov. 8.
- Noyes, John W., Bay City, Mich. Sled shelter. 2,464,884,
Mar. 22.
- Noyes, Robert H., Fair Haven, N. J. Pulse modulating sys-
tem. 2,476,997, July 26.
- Nugent, William H., Jr., Fort Worth, Tex. Grain shovel.
2,465,469, Mar. 29.
- Nulsen, Marvin E., assignor to P. R. Mallory & Co., Inc.,
Indianapolis, Ind. Vibrator test circuit. 2,470,049,
May 10.
- Numbers, William, Huntington, N. Y. Stapling machine.
2,468,715, Apr. 26.
- Numrich, John, New York, N. Y. Heating unit for pipes.
2,464,052, Mar. 8.
- Nunamaker, Fred M., Hastings, Nebr. Fish line carrying
and drying device. 2,490,279, Dec. 6.
- Nunn, Leslie G., Jr., Tulsa, Okla., assignor to Standard
Oil Development Company. Corrosion prevention.
2,485,309, Oct. 13.
- Nunnally, William B., Sr., Atlanta, Ga. Smoothing iron
holder. 2,472,676, June 7.
- Nuodex Products Co., Inc., assignee: *See*—
Fischer, Alfred.
Gotham, Walter.
Minich, Arthur, and Nowak.
- Nuproducts Corporation, assignee: *See*—
Smith, Roland L.
- Nurenberg, George F., Trenton, and J. Campbell, Florence,
assignors of thirty-three and one-third per cent to L. M.
Seidel, Bordentown, N. J. Folding sled runners for baby
carriages and the like. 2,480,256, Aug. 30.
- Nurenberg, George F., Trenton, and C. M. Evans, Borden
town, N. J. Curtain cord attachment clip. 2,489,460,
Nov. 29.
- Nurney, Raymond M., Sacramento, Calif. Collapsible
dolly for boats and the like. 2,464,525, Mar. 15.
- Nussberger, Frederick E., New York, N. Y. Purification
of liquids. 2,465,658, Mar. 29.
- Nute, Alden D., Stamford, Conn., assignor to American
Cyanamid Company, New York, N. Y. Nonslip fabrics
and preparation thereof. 2,491,454, Dec. 13.

- Nutone, Incorporated, assignee: *See*—
Gardes, Alfred W.
- Nutt, Harold, and L. W. Cook, assignors to Borg-Warner Corporation, Chicago, Ill. Antirattler spring and lever system for centrifugal clutches. 2,468,685, Apr. 26.
- Nutt, John H., Los Angeles, Calif. Apparatus for baking dough products. 2,491,687, Dec. 20.
- Nyberg, Curt E., Chicago, Ill., assignor of one-half to W. Jameson, Miami, Fla. Salt and pepper shaker. 2,459,133, Jan. 11.
- Nyberg, Curt E., assignor, by mesne assignments, to Imagi-neering Corporation, Chicago, Ill. Ladder. 2,478,592, Aug. 9.
- Nyberg, Harry K., assignee: *See*—
Ravers, Jerry J., Jr.
- Nyburg, James K., East Cleveland, Ohio, assignor, by mesne assignments, to General Electric Company. Arc welding machine. 2,468,570, Apr. 26.
- Nye, Louis E., Elkhart, Ind., assignor to United States Rubber Company, New York, N. Y. Making cellular resin material. 2,461,761, Feb. 15.
- Nye, Norman H.: *See*—
McIlvried, Edwin J., and Nye.
- Nye, Norman H., assignor to The Vaughn Machinery Company. Cuyahoga Falls, Ohio. Air-cooled block. 2,481,944, Sept. 13.
- Nye, Ralph D., and D. J. Demorest, Columbus, Ohio. Obtaining concentrates of uranium and vanadium from their ores. 2,471,345, May 24.
- Nye, William B., Lakewood, assignor of one-half to J. Faus, North Olmstead, Ohio. Window ventilator. 2,462,278, Feb. 22.
- Nygaard, Edwin M., Woodbury, N. J., and J. H. McCracken, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of dinitroparaffins. 2,489,151, Nov. 22.
- Nygaard, Edwin M., and W. I. Denton, Woodbury, and R. B. Bishop, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Nitration of paraffins. 2,489,320, Nov. 29.
- Nygaard, Herman, East Orange, N. J., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Antihunt positioning apparatus. 2,475,457, July 5.
- Nygaard, Herman, assignor to Frederick Hart & Co., Inc., Poughkeepsie, N. Y. Magazine type magnetic recorder. 2,487,170, Nov. 8.
- Nygren, Carl, Michigan City, Ind., assignor to Michiana Products Corporation. High-temperature fan. 2,473,813, June 21.
- Nygren, Carl, Michigan City, Ind., assignor to Michiana Products Corporation. High-temperature fan. 2,473,814, June 21.
- Nyhagen, Barney R., New York, N. Y. Violin shoulder rest. 2,489,321, Nov. 29.
- Nylok Corporation, The, assignee: *See*—
Boots, Edmund R.
- Nyman, Carl G., Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Aircraft bank and turn control system. 2,472,918, June 14.
- Nyman, Carl H., Stockholm, Sweden. Treating scale forming liquors. 2,484,046, Oct. 11.
- Nyquist, Arthur S.: *See*—
Kropa, Edward L., and Nyquist.
- Nyquist, Arthur S., Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Treatment of hydrogen-donor textile materials and products thereof. 2,468,716, Apr. 26.
- Nyquist, Arthur S., Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Method of molding thermosetting compositions in glass molds. 2,475,194, July 5.
- Nyquist, Arthur S., Cos Cob, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing polymeric materials from isopropenyl toluene. 2,490,372, Dec. 6.
- Nystrom, Axel C., Rutherford, and W. J. Volekhausen, Teaneck, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Tape supporting means for strand covering machines. 2,471,973, May 31.
- Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Railway car truck. 2,469,513, May 10.
- O. & S. Bearing Company, assignee: *See*—
Kogstrom, Axel W.
- Oak Mfg. Co., assignee: *See*—
Mastney, Edward J., and Williams.
- Williams, John H.
- Oakes, Fulton D., Jamaica Plain, Mass. Napping attachment for knitting machines. 2,465,916, Mar. 29.
- Oakes, J. Melton, assignee: *See*—
Clair, Louis C.
- Oakes, Lesley F., Alexandria, near Sydney, Australia, assignor to International Standard Electric Corporation, New York, N. Y. Electrophoretic coating of metal articles. 2,462,125, Feb. 22.
- Oakes, Nathan W.: *See*—
Flke, Russell R., and Oakes.
- Oakhill, Frederic E.: *See*—
Bader, Paul W., and Oakhill.
- Oakhill, Frederic E., Wilmette, assignor to O-Cedar Corp'n, Chicago, Ill. Mop structure. 2,460,763, Feb. 1.
- Oakland Scavenger Co., assignee: *See*—
Ferro, Thomas, and Manov.
- Oakley, Gilbert F.: *See*—
Johnson, Malcolm S., and Oakley.
- Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Tool apparatus. 2,473,815, June 21.
- Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Driving head for wringers. 2,482,717, Sept. 20.
- Oakley, Richard C.: *See*—
Oakley, Richard O. and R. C.
- Oakley, Richard O., Richmond Heights, and R. C. Oakley, St. Louis, Mo. Machine for bursting perforated forms. 2,492,497, Dec. 27.
- Oakley, Sterling A., Lincolnwood, and R. T. Staudt, Chicago, Ill., assignors to Hotpoint Inc. Making electric heaters. 2,483,839, Oct. 4.
- Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Valve for thermal systems. 2,462,217, Feb. 22.
- Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Apparatus for heating and cooling kettles. 2,471,538, May 31.
- Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Air conditioning system. 2,475,853, July 12.
- Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Roll heating and cooling. 2,483,021, Sept. 27.
- Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Still. 2,490,152, Dec. 6.
- Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Liquid heating system. 2,491,576, Dec. 20.
- Oates, Charles E., Gardena, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Quick disconnect unit. 2,489,924, Nov. 29.
- Oathout, Guy R., Fort Atkinson, Wis. Fish landing net. 2,482,718, Sept. 20.
- Obadiah, Leonard E., U. S. Navy. Radius turning attachment. 2,465,393, Mar. 29.
- Obberight, Edward A.: *See*—
Reiff, Orland M., Otto, Gimmarrla, and Obberight.
- Obedin, Nathan, Brooklyn, N. Y. Cloth laying-up machine. 2,476,759, July 19.
- Oberfell, George G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons. 2,490,463, Dec. 6.
- Oberg, Donald F., Bay City, Mich. Vehicle headlamp. 2,490,539, Dec. 6.
- Oberg, Gunnard A., Celoron, assignor to Jamestown Metal Equipment Company, Inc., Jamestown, N. Y. Washing machine. 2,475,982, July 12.
- Oberle, Theodore L.: *See*—
Edlund, Daniel L., Oberle, and Strauss.
- Oberly, Louis A.: *See*—
Koster, Frederick W., and Oberly.
- Obermayer, S., Co., The, assignee: *See*—
Kaufman, Theodore, Jr., and Jacobs.
- Obernauer, William, and M. Schuster, New York, N. Y. Built-up post for wire baskets and the like. 2,460,594, Feb. 1.
- Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,458,526, Jan. 11.
- Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,458,527, Jan. 11.
- Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,112, Jan. 11.
- Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,113, Jan. 11.
- Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,114, Jan. 11.
- Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,115, Jan. 11.
- Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,116, Jan. 11.
- Oberschmidt, Carl F., Cincinnati, Ohio. Switch adapter. 2,466,820, Apr. 12.
- Oberstadt, Peter B., Wickliffe, Ohio. Dampening devices for shock absorbers and the like. 2,459,537, Jan. 18.
- Obert, Leon D., Bremerton, Wash. Fence construction. 2,460,028, Jan. 25.
- Obert, Maximilian J., North Merchantville, N. J., assignor to Radio Corporation of America. Deflecting coil. 2,461,230, Feb. 8.
- Oblad, Alex G.: *See*—
Gorin, Everett, and Oblad.
- Oblad, Alex G., and J. U. Messenger, Dallas, Tex. assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Isomerization of olefins in the presence of hydrogen fluoride impregnated alumina. 2,471,647, May 31.

- Oblinger, Leroy I., assignee: *See*—
Smith, David C.
- Obloy, Felix A., Garfield Heights, Ohio. Grid controlled polyphase rectifier. 2,473,386, June 14.
- Obreiter, Joseph W., Jr., Glen Ridge, N. J. Removal of liquid refrigerant from the supply line to a compressor. 2,461,342, Feb. 8.
- O'Brien, James J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Producing iron-free mixtures of selenium and sulfur. 2,492,175, Dec. 27.
- O'Brien, James W.: *See*—
Aspman, Kurt I. L., and O'Brien.
- O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. Volume compressor for carbon microphones. 2,492,707, Dec. 27.
- O'Brien, John D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake shoe lining bonding device. 2,489,496, Nov. 29.
- O'Brien, John V., Park Ridge, and J. L. von Harz, Chicago, Ill.; said von Harz assignor to said O'Brien. Portable electric rotary drain cleaner. 2,467,849, Apr. 19.
- O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electricity conductor unit. 2,457,831, Jan. 4.
- O'Brien, Joseph F., Lebanon, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Feed section unit for electrical wiring systems. 2,478,204, Aug. 9.
- O'Brien, Joseph F., Jersey City, and J. B. Cataldo, Summit, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Reverse current circuit breaker. 2,462,892, Mar. 1.
- O'Brien, Joseph F., Lebanon, and J. B. Cataldo, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical circuit breaker. 2,468,774, May 3.
- O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Severable electrical conduit section. 2,470,788, May 24.
- O'Brien, Laurence A., South Orange, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Acceleration switch. 2,486,362, Oct. 25.
- O'Brien, Vincent R., St. Paul, Minn. Safety means for bathtubs. 2,465,814, Mar. 29.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Navigation system. 2,462,764, Feb. 22.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Equisignal radio beacon system. 2,471,648, May 31.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Area identification system. 2,478,833, Aug. 9.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Navigation system. 2,480,875, Sept. 6.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Frequency divider circuits. 2,483,556, Oct. 4.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio beacon system. 2,483,557, Oct. 4.
- O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Area identification system. 2,483,558, Oct. 4.
- O'Brien, William J., London, England, assignor to E. F. Andrews, Chicago, Ill. Tuner for radio receivers. 2,489,721, Nov. 29.
- Obriest, Heinrich, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Variable-pitch propeller. 2,470,517, May 17.
- Obszarny, Theodore, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Interlock overload relay assembly. 2,490,917, Dec. 13.
- Obszarny, Theodore, Chicago, Ill., and J. J. Rowell, New York, N. Y., assignors to Guardian Electric Manufacturing Co., Chicago, Ill. Handgrip control. 2,461,997, Feb. 15.
- Ocasione, John F.: *See*—
Iacqua, Antonio F., and Ocasione.
- Ocean City Manufacturing Company, assignee: *See*—
Hirsch, Stephen G.
- O-Cedar Corp'n. assignee: *See*—
Bader, Paul W., and Oakhill.
Dupuy, Charles F. J.
Oakhill, Frederic E.
- Ocenasek, William F., South Plainfield, N. J., assignor to Kearney & Trecker Corporation, West Allis, Wis. Saw guard for adjustable-saw saw tables. 2,466,325, Apr. 5.
- Och, Henry G.: *See*—
Boghossian, William H., and Och.
- Ocheltree, Warren R., Wapato, Wash. Pump jack gearing. 2,465,033, Mar. 22.
- Ochs, Sidney A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Valve construction. 2,472,841, June 14.
- Ochsner, Jakob, Zurich, Switzerland. Device on refuse collecting vehicles for emptying refuse pails. 2,488,429, Nov. 15.
- Ochtman, Leonard, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Actuator. 2,465,601, Mar. 29.
- Ochtman, Leonard, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Actuator nut. 2,479,019, Aug. 16.
- Oclassen, Charles A., Kenmore, assignor to Foster-Milburn Company, Buffalo, N. Y. Combined package and applicator. 2,486,056, Oct. 25.
- O'Connor, Arthur F., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Cushioning device. 2,487,028, Nov. 1.
- O'Connor, Arthur F., Chicago, Ill. Writing instrument. 2,488,638, Nov. 22.
- O'Connor, Arthur F., Chicago, Ill. Writing instrument. 2,488,639, Nov. 22.
- O'Connor, Arthur F., Chicago, Ill. Fountain pen. 2,492,058, Dec. 20.
- O'Connor, Bernard M., Chicago, Ill. Golf scoring device. 2,489,805, Nov. 29.
- O'Connor, Frederick W., Bronx, N. Y. Safety fender device for cars and buses. 2,463,300, Mar. 1.
- O'Connor, Jack N., and S. M., Los Angeles, Calif. Miniature animal toy car. 2,473,295, June 14.
- O'Connor, Jack N., and S. M., Los Angeles, Calif. Miniature animal toy car. 2,473,296, June 14.
- O'Connor, James D., Hartford, Conn. Removable segment for waffle irons. 2,476,213, July 12.
- O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Seat construction for chairs. 2,458,095, Jan. 4.
- O'Connor, Richard P., Los Angeles, Calif. Display box. 2,465,169, Mar. 22.
- O'Connor, Stella M.: *See*—
O'Connor, Jack N., and S. M.
- O'Connor, Walter J., Pittsburgh, Pa., assignor to American Flange & Manufacturing Co., Inc., New York, N. Y. Making closure plugs. 2,492,176, Dec. 27.
- O'Connor, Ward J. F., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Clay flow baffle. 2,486,200, Oct. 25.
- Odabashian, Serop: *See*—
Marques, Francisco, and Odabashian.
- O'Daniel, Clarence, Richmond Heights, Mo., assignor to Century Electric Company. Oil pump for dynamoelectric machines. 2,470,365, May 17.
- O'Daniel, Clarence, Richmond Heights, Mo., assignor to Century Electric Company. Dynamoelectric machine. 2,487,362, Nov. 8.
- O'Dea, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Magnetic-photographic recording system. 2,485,839, Oct. 25.
- Odell, Rose H., Corpus Christi, Tex. Garment holder. 2,489,046, Nov. 22.
- Oden, Lewis M., Sr., Ocean View, Va. Device for and method of setting spark plug electrodes. 2,481,530, Sept. 13.
- Odencrantz, William A., and C. W. Jorgensen, Chicago, Ill. Tie rack. 2,485,455, Oct. 18.
- Odin Corporation, assignee: *See*—
Bulliet, Leander J.
Peterson, Gustaf J.
- Odinga, Theodor: *See*—
Heberlein, Georges and G. Weiss, Odinga, and Risch.
- Odom, Ausphrey M., Memphis, Tenn. Floor furnace closely confined in a pit and having an access door. 2,490,464, Dec. 6.
- O'Donnell, Edward M., Galva, Iowa. Combination telescoping tractor and horse-drawn hitch. 2,469,514, May 10.
- O'Donnell, James J., Somerville, assignor of one-half to A. L. McAvoy, Arlington, Mass. Weld rod holder. 2,490,153, Dec. 6.
- O'Donnell, John R., Brooklyn, N. Y. Scaffold and scaffold construction element. 2,461,762, Feb. 15.
- O'Donnell, Robert T., Montclair, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacture of 2,3-dichlorobutadiene-1,3. 2,459,760, Jan. 18.
- O'Donnell, Terrence C., West Springfield, and J. A. Logan, Hadley, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dual firing rate oil burner of the pressure atomizing type. 2,491,201, Dec. 13.
- O'Donnell, Vincent T., Aberdeen, S. Dak. Wrist watch holder. 2,458,793, Jan. 11.
- Odor, Ralph K., Edmond, assignor to The Vornado Trust, Oklahoma City, Okla. Propeller. 2,460,902, Feb. 8.
- Oehler, Alvin W., assignor to Deere & Company, Moline, Ill. Tractor mounted implement. 2,477,199, July 26.
- Oehler, Alvin W., N. D. Colvin, and L. A. Paradise, assignors to Deere & Company, Moline, Ill. Harvester. 2,477,389, July 26.
- Oehler, Alvin W., and E. J. Johnson, assignors to Deere & Company, Moline, Ill. Harvester reel. 2,492,881, Dec. 27.
- Oehler, William P.: *See*—
White, Charles H., Oehler, and Youngberg.
- Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Implement adjusting connection. 2,485,651, Oct. 25.
- Oertle, Lawrence C., Milwaukee, and E. H. Simpson, Whitefish Bay, Wis. Scaffold. 2,467,688, Apr. 19.
- Oesterle, Henry, and R. A., Belleville, Ill. Vitrous enamel opacification and process. 2,474,636, June 28.

- Oesterle, Robert A.: *See*—
Oesterle, Henry and R. A.
- Oesterlein, William J., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Welded motor frame. 2,462,765, Feb. 22.
- Oetken, Fred W., Albert, Kans. Lawn mower. 2,475,195, July 5.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake mechanism. 2,465,394, Mar. 29.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Friction element for brakes. 2,469,127, May 3.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake anchor. 2,469,402, May 10.
- Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Magnetic clutch. 2,488,552, Nov. 22.
- Offen, Arthur, assignor to Offen & Company Limited, South Nutfield, England. Cutting tool. 2,461,436, Feb. 8.
- Offen & Company, Limited, assignee: *See*—
Offen, Arthur.
- Offenhauser, Christopher, Philadelphia, Pa. Cutting machine. 2,481,775, Sept. 13.
- Offenhauser, Paul, Houston, Tex. Tank roof. 2,461,763, Feb. 15.
- Office Furniture & Fixtures, Inc., assignee: *See*—
Blazey, Lawrence E.
- Office of Scientific Research and Development, Office for Emergency management, The United States of America as represented by the Director of the, assignee: *See*—
Morgan, Russell H., and Hodges.
- Office of Scientific Research and Development, United States of America as represented by the, assignee: *See*—
Elderfield, Robert C., and Brody.
- Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
Hickman, Clarence N.
Morrow, Charles T.
Stevens, Stanley S.
- Office of Scientific Research and Development, The United States of America, as represented by the Executive Secretary of the, assignee: *See*—
Veneklasen, Paul S.
Volkman, John.
- Offner, Franklin, Chicago, Ill. Method and apparatus for measuring the dimensions of objects by the radiation differential between the object to be measured and a comparison object. 2,488,430, Nov. 15.
- Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Thrust bearing for seamless tube mills and the like. 2,480,381, Aug. 30.
- Ogburn, Harley R., Marshall, Tex. Earth anchor. 2,490,465, Dec. 6.
- Ogden, George, Worcester, Mass. Foot alignment device and making the same. 2,492,059, Dec. 20.
- Ogden, James H., San Diego, Calif. Lock for adjustable end wrench. 2,458,794, Jan. 11.
- Ogilvie, James, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Alpha-aminoanthraquinone compounds. 2,485,764, Oct. 25.
- Ogle, Hugh M., Schenectady, N. Y., assignor to General Electric Company. Heat generation indicator. 2,476,998, July 26.
- Ogle, James C., Jr., Brackenridge, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for coating by thermal vaporization. 2,475,854, July 12.
- Oglesby, Nicholas E., Troy, N. Y. Coated abrasives. 2,485,765, Oct. 25.
- Ognibene, Paul J., Philadelphia, Pa. Tray for card tables. 2,490,702, Dec. 6.
- Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Hydrogenation of an oxide of carbon. 2,458,870, Jan. 11.
- Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Apparatus for catalytic reactions. 2,467,850, Apr. 19.
- Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Catalyst quality by magnetic separation. 2,471,078, May 24.
- Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Gas-solids contacting apparatus including means for stripping solid particles. 2,481,439, Sept. 6.
- Ogorzaly, Henry J., Summit, N. J., and A. Voorbies, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Contacting gaseous fluids and solid particles. 2,461,343, Feb. 8.
- Ogrvdiak, Anthony A., Baltimore, Md. Combination shade and curtain holder. 2,481,234, Sept. 6.
- O'Halloran, Donald M.: *See*—
Smith, Howard E., and O'Halloran.
- O'Halloran, James, assignor to Anglo-Canadian Pulp and Paper Mills Limited, Quebec, Canada. Segmental chute for loading materials. 2,472,308, June 7.
- O'Hara, James T., Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Separating adhering sheets by an air blast. 2,484,641, Oct. 11.
- O'Hara, Thomas M., Detroit, Mich. Power transmission. 2,491,202, Dec. 13.
- O'Hare, Martin, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Bottling apparatus. 2,460,711, Feb. 1.
- Ohio Boxboard Company, The, assignee: *See*—
Gannon, Irving J., and Harvey.
Morris, James C.
Yarman, Paul J.
- Ohio Brass Company, The, assignee: *See*—
Larsson, Ernst A.
Lewis, Warren J.
Lusignan, Joseph T., Jr.
Matthes, Samuel S.
- Ohio Carbon Company, The, assignee: *See*—
Stoffel, Lester L.
- Ohio Crankshaft Company, The, assignee: *See*—
Denneen, Francis C., and Dunn.
King, Stanley G.
Riddell, Donald W.
Somes, Howard E.
Strickland, Harold A., Jr.
Strickland, Harold A., Jr., and Vos.
Wood, Alden O.
Wood, Alden O., and Vaughan.
- Ohio Ferro Alloys Corporation, assignee: *See*—
Jones, Robert R.
Pritz, Lawrence G.
Vance, Calbert L.
- Ohio Injector Company of Illinois, The, assignee: *See*—
Edwards, Frank W.
- Ohio-Kentucky Manufacturing Company, assignee: *See*—
Sonnott, William J., and Stobbe.
- Ohio Nut & Bolt Company, The, assignee: *See*—
Whelan, Roderick J., and Reich.
- Ohio Rubber Company, The, assignee: *See*—
Saurer, Curt.
Winegar, Edmund M.
- Ohio State Research Foundation, The, assignee: *See*—
Marvin, John T., and McFadden.
- Ohio State University Research Foundation, The, assignee: *See*—
Role, George A., and Wyatt.
Horney, Amos G., and McFadden.
McFadden, George H.
McFadden, George H., Lyman, and Horney.
- Ohio Steel Foundry Company, The, assignee: *See*—
Jackson, Harold F.
- Ohio Thermometer Company, The, assignee: *See*—
Wappner, Ralph C.
- Ohio Units: *See*—
Brump, Herbert L.
- Ohl, Edwin C., Port Washington, assignor to Dutchess Jewelry Manufacturing Corporation, New York, N. Y. Bracelet clasp. 2,486,057, Oct. 25.
- Ohl, Lawrence, St. Louis Park, Minn. Center locating tool. 2,490,648, Dec. 6.
- Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Point contact negative resistance devices. 2,469,569, May 10.
- Ohlbaum, Samuel B.: *See*—
Macy, Donald.
- Ohliger, Lewis P.: *See*—
Kreidl, Norbert J., and Ohliger.
- Ohlmann, Edward O., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Lacquer for polystyrene. 2,486,971, Nov. 1.
- Ohlsson, Olof A., Stockholm, Sweden. Process and apparatus for the operation of gas producers. 2,476,760, July 19.
- Ohlsson, Robert: *See*—
Early, Harold C., Dow, and Ohlsson.
- Ohmer Corporation, assignee: *See*—
Nicholson, George E., and McGay.
- Ohnhaus, Alfred L., White Plains, N. Y. Wood-wind reed. 2,492,366, Dec. 27.
- Ohso, Ernest O., Cranford, and J. A. Patterson, Westfield, N. J., assignors to Standard Oil Development Company. Distillation of ethyl benzene from styrene. 2,467,152, Apr. 12.
- Oil Base, Inc., assignee: *See*—
Miller, George.
- Oil Center Tool Company, assignee: *See*—
Penick, Arthur J.
- Oilgear Company, The, assignee: *See*—
Douglas, James K.
Ferris, Walter.
Ferris, Walter, and Douglas.
Tyler, Ransom.
- Oil Well Chemical and Materials Company, Inc., assignee: *See*—
Dyke, Milton, and Self.
- Oil Well Supply Company, assignee: *See*—
Maier, August R.
Maier, August R., and Keim.
- O'Kane, Walter C., Durham, N. H., and G. H. Morey, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Fungicidal compositions. 2,460,188, Jan. 25.
- Okawa, Robert H., Kahuka, Oahu, Territory of Hawaii. Combination eye dropper and eyewash cup. 2,482,431, Sept. 20.
- O'Keefe and Merritt Company, assignee: *See*—
Brainard, Maurice W.

- O'Keefe, George W., Elkins Park, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Cloth steamer. Re. 2,317,779, Nov. 29.
- O'Keefe, George W., Elkins Park, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Supporting girt. 2,468,892, May 3.
- Oklejas, Eli, Monroe, Mich. Earth-moving machine. 2,460,764, Feb. 1.
- Okonite Company, The, assignee: *See*—
Everson, Russell B., and Ward.
Bennett, Charles E.
Slade, Harry B.
- Okrent, Jasper J., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal receiver, including a disabling arrangement. 2,467,564, Apr. 19.
- Okrent, Jasper J., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Pulse-modulated wave-signal generator. 2,469,174, May 3.
- Okress, Ernest C., Montclair, and A. H. Laidig, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency coupler between contiguous ends of aligned wave guide sections. 2,473,724, June 21.
- Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cavity joint. 2,476,621, July 19.
- Okress, Ernest C., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,492,313, Dec. 27.
- Okun, Nathaniel N., Bronx, N. Y. Vest-pocket circuit testing device. 2,458,628, Jan. 11.
- Olaer Patent Cy, assignee: *See*—
Audemar, Pierre, and Duchaussoy.
- Olafson Limited, assignee: *See*—
Horwitz, Adolf I.
- Olafson, Alvin O., St. Paul, Minn. Abrasive strip holder. 2,474,546, June 28.
- Olander, Harold A., Chicago, Ill. Cheese-cutting device. 2,468,229, Apr. 26.
- Olander, Karl E.: *See*—
Redin, Eric G., and Olander.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Buffering mechanism. 2,486,571, Nov. 1.
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,488,026, Nov. 15.
- Olcott, Charles A.: *See*—
Kochli, Ernest G., and Olcott.
- Olcott, Charles A., West Milford, N. J. Control means for centrifugals. 2,461,764, Feb. 15.
- Olcott, Charles A., West Milford, N. J. Brake control system. 2,491,759, Dec. 20.
- Olcott, Eugene L., Schenectady, N. Y., assignor to General Electric Company, Albany. 2,462,665, Feb. 22.
- Olcott, Eugene L., Schenectady, N. Y., assignor to General Electric Company. Forgeable high-temperature alloys. 2,469,887, May 10.
- Olcott, Harold S.: *See*—
Fraenkel-Conrat, Heinz L., and Olcott.
- Olcott, James D.: *See*—
Booth, Harry T., Hoffman, and Olcott.
- Old, Aubrey M., executor: *See*—
Nightringall, Victor C. J.
- Oldach, Carl S., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gas purification process. 2,475,334, July 5.
- Oldak, Jacob M., Brooklyn, N. Y. Cuff link construction. 2,472,958, June 14.
- Olden, Orville T., assignee: *See*—
Moizingo, Guy K.
- Old Mission Packing Corporation, Ltd., assignee: *See*—
Buckner, William N.
- O'Leary, Charles M., Los Angeles, Calif. Mechanical movement for slush pumps. 2,460,428, Feb. 1.
- O'Leary, Charles M., Detroit, Mich. Pneumatic feed for gas lifts. 2,489,665, Nov. 29.
- O'Leary, Charles M., Los Angeles, Calif. Hydrokinetic brake. 2,491,329, Dec. 13.
- Oleen, Olof H., St. Helens, Oreg. Animal trap. 2,459,580, Jan. 18.
- Olender, Frank J., Saginaw, Mich. Fishing rod. 2,465,744, Mar. 29.
- Oles, Herbert E.: *See*—
Wall, Alexander C., and Oles.
- Oles, Herbert E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Marking device. 2,458,871, Jan. 11.
- Olesen, Raymond C., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Integrating system. 2,463,553, Mar. 8.
- Oleson, Ford L., San Francisco, Calif. Plastic switch. 2,487,268, Nov. 8.
- Oleson, Wrisley B., trustee, assignee: *See*—
Bowman, Jay.
Bowman, Jay, and Beadle.
- Olie, Walter J., Pequabuck, assignor to Haydon Manufacturing Company, Inc., Forestville, Conn. Current interruption indicating means for electric clocks. 2,488,824, Nov. 22.
- Olin Industries, Inc., assignee: *See*—
Crockett, Harry L.
Lochhead, John L.
Roemer, William C.
Seavey, Frederick R.
Sefried, Harry H., II.
Walkup, Lewis E.
Williams, David M.
- Olin, John F.: *See*—
Robinson, Correl N., Jr., and Olin.
- Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Condensation of nitriles with amides and the production of beta-alanine. 2,461,842, Feb. 15.
- Olin, John F., and T. E. Deger, Grosse Ile, Mich., assignors to Sharples Chemicals Inc. Producing metal salts of substituted dithiocarbamic acids. 2,492,314, Dec. 27.
- Olin, Norman E., New York, N. Y. Cigarette case. 2,467,048, Apr. 12.
- Oliner, Saul, Brooklyn, N. Y. Hair net. 2,483,927, Oct. 4.
- Olinger, Creston D., Pollock, Mo. Stock feeder. 2,491,577, Dec. 20.
- Olinger, Robert, La Salle, Ill., assignor to General Time Corporation, New York, N. Y. Hairspring testing and adjustment mechanism. 2,476,761, July 19.
- Oliveres, Salvador G., Mexico City, Mexico. Electric heating unit. 2,470,715, May 17.
- Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object locating system. 2,459,117, Jan. 11.
- Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase shifter circuit. 2,476,946, July 19.
- Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable delay means. 2,478,778, Aug. 9.
- Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse operated system. 2,483,594, Oct. 4.
- Oliver Corporation, The, assignee: *See*—
Altgelt, Herman E.
Stewart, Milford D., and Adams.
- Oliver, Eugene H., Baytown, and C. F. Van Berg, Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalytic dehydrogenation of olefinic hydrocarbons while maintaining the potassium content of the catalyst. 2,459,449, Jan. 18.
- Oliver, George F. N., assignor to Oliver Pell Control Limited, London, England. Hand flashlight. 2,489,806, Nov. 29.
- Oliver, George F. N., assignor, by mesne assignments, to L. Fuller, London, and E. W. Sudlow, Leigh-on-Sea, England. Tubular secondary electric battery. 2,490,593, Dec. 6.
- Oliver, Henry L., Durango, Colo., and M. B. Anderson, Albuquerque, N. Mex. Releasable casting weight. 2,460,526, Feb. 1.
- Oliver, Hollis G.: *See*—
Cabal, Albert V., and Oliver.
- Oliver Iron Mining Company, assignee: *See*—
Jones, John W. G.
Kordish, John J., and Trotta.
- Oliver Iron and Steel Corporation, assignee: *See*—
Overly, Charles D.
- Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun primer mechanism. 2,482,865, Sept. 27.
- Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Dial display device for indicating mechanisms. 2,489,430, Nov. 29.
- Oliver United Filters Incorporated, assignee: *See*—
Ackerly, Orville B., Jr.
Denhard, Harry W.
Herbert, Elmer H.
- Oliver, Walter E., Quincy, Mass. Autographic register. 2,470,260, May 17.
- Oliver, Wallace F., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Water control mechanism for automatic washing machines. 2,477,415, July 26.
- Oliveros, Constant A., Houston, Tex. Wind pump for aerating bait containers. 2,460,527, Feb. 1.
- Ollert, Olof, Stockholm, Sweden. Kitchen range. 2,460,263, Jan. 25.
- Olmsted, Francis: *See*—
Short, Henry N., and Olmsted.
- Olmsted, Lillian W., assignee: *See*—
Olmsted, Roger W.
- Olmsted, Roger W.; Wells Fargo Bank & Union Trust Co., administrator of said R. W. Olmsted, deceased, assignor to L. W. Olmsted, San Mateo, Calif. Steel post. 2,492,882, Dec. 27.
- Olmsted, Roger W.; Wells Fargo Bank & Union Trust Co., administrator of said R. W. Olmsted, deceased, assignor to L. W. Olmsted, San Mateo, Calif. Billboard having a workman's platform and ladder. 2,492,937, Dec. 27.
- Olney, Benjamin, F. H. Slaymaker, and W. F. Meeker, assignors to Stromberg-Carlson Company, Rochester, N. Y. Dipole microphone. 2,485,405, Oct. 18.
- Olpin, Henry C.: *See*—
Wesson, Alexander J., and Olpin.

- Olpin, Henry C., and P. B. Law, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Cellulose ester and ether products colored with a dinitro-phenoxazine or -phenanthrazine. 2,464,885, Mar. 22.
- Olpin, Henry C., P. B. Law, and S. A. Gibson, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Fixation of pigments on textile materials. 2,474,909, July 5.
- Olpin, Henry C., and K. R. House, Spondon, near Derby, England, assignors to Celanese Corporation of America. Anthraquinone-2-carboxylic-dimethylamides and making same. 2,484,902, Oct. 18.
- Olpin, Henry C., K. R. House, and J. Wright, Spondon, near Derby, England, assignors to Celanese Corporation of America. Benzene-azo-benzene-azo-oleyl phenol. 2,489,384, Nov. 29.
- Olpin, Henry C., and A. J. Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,492,394, Dec. 27.
- Olsen, Anders C., Forest Hills, N. Y. Combination fastening device. 2,476,506, July 19.
- Olsen, Arthur A.: *See—*
Evans, Lewis W., and Olsen.
- Olsen, C. A., Manufacturing Company, The, assignee: *See—*
Ryden, Eric H.
- Olsen, Bruce E.: *See—*
Fahringer, Harry, and Olsen.
- Olsen, Carl A., Acton, Mass. Taping machine. 2,464,602, Mar. 15.
- Olsen, Donald E., Chicago, Ill. Combined cosmetic holder and mirror or the like. 2,458,020, Jan. 4.
- Olsen, Elof F., Brantford, Ontario, Canada. Dispensing device for collapsible tubes. 2,492,533, Dec. 27.
- Olsen, Ernest R.: *See—*
Flora, Rudolph F., Olsen, and Lonnee.
- Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Boring fixture for machine tools. 2,481,335, Sept. 6.
- Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Liner for centrifugal casting molds. 2,489,322, Nov. 29.
- Olsen, Harlow R., Minneapolis, Minn. Hoist. 2,467,771, Apr. 19.
- Olsen, John O.: *See—*
Petre, John N., and Olsen.
- Olsen, Karl M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translator and making it. 2,462,218, Feb. 22.
- Olsen, Leif C., Newcastle-on-Tyne, England. Telegraphic receiving apparatus. 2,466,471, Apr. 5.
- Olsen, Marvin R.: *See—*
Packer, Charles S., and Olsen.
- Olsen, Oliver I., Bremerton, Wash. Combination railroad tie and drainage system. 2,492,177, Dec. 27.
- Olsen, Robert T.: *See—*
Fox, Arthur L., Sanders, and Olsen.
- Olson, Albert M., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Control system for fluid motors. 2,474,187, June 21.
- Olson, Alf P., Idaho Falls, Idaho. Engine block electric-type water heater. 2,492,001, Dec. 20.
- Olson, Alton L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Variable gain amplifier. 2,476,900, July 19.
- Olson, Alton M., Seattle, Wash. Collapsible automobile jack of pivoted rack and gear type. 2,467,851, Apr. 19.
- Olson, Alton M., Seattle, Wash. Cartridge feeding magazine for firearms. 2,479,770, Aug. 23.
- Olson, Andrew R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Automatic changeover regulator and indicator device. 2,488,779, Nov. 22.
- Olson, Arne O. B., O'Hara Township, Allegheny County, assignor to Blaw-Knox Company, Pittsburgh, Pa. Electric heated processor. 2,467,492, Apr. 19.
- Olson, Arvilla N., Niles, Ill. Radio receiver unit mounted in a suitcase. 2,486,536, Nov. 1.
- Olson, Birger O., Chicago, Ill. Bun slicing device. 2,477,493, July 26.
- Olson, Carl M., Hayden Park, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide pigment production. 2,479,637, Aug. 23.
- Olson, Carl M., Hayden Park, and I. J. Krehma, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of titanium chloride solutions. 2,486,572, Nov. 1.
- Olson, Carl T., Highland Park, and R. W. Hoffman, Waukegan, assignors to Fansteel Metallurgical Corporation, North Chicago, Ill. Tantalum oxide composition. 2,491,416, Dec. 13.
- Olson, Carl W., assignor to Electro Specialty Manufacturing Co., Inc., Minneapolis, Minn. Blower for ventilators. 2,472,024, May 31.
- Olson, Charles U., Evanston, Ill. Sewing machine needle threader. 2,483,595, Oct. 4.
- Olson, Einar R., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Electrical connector. 2,464,649, Mar. 15.
- Olson, Eldred K.: *See—*
Smith, Clifford E., and Olson.
- Olson, Eugene, assignee: *See—*
Gerweck, Cyril A., and Scheid.
- Olson Filtration Engineers, Inc., assignee: *See—*
Ebert, Dwight L., and Olson.
- Olson, Frederick A., Syracuse, N. Y., assignor to General Electric Company. Indicator device. 2,483,150, Sept. 27.
- Olson, George E.: *See—*
Ebert, Dwight L., and Olson.
- Olson, Harry A., Park Ridge, assignor to Micarta Fabricators, Inc., Chicago, Ill. Socket terminal mounting. 2,459,390, Jan. 18.
- Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Signal transmission and receiving apparatus. 2,461,344, Feb. 8.
- Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Electronic transducer. 2,491,390, Dec. 13.
- Olson, Harry F., Princeton, and J. Preston, Hopewell, N. J., assignors to Radio Corporation of America. Magnetostriuctive transducer. 2,468,270, Apr. 26.
- Olson, Harry F., Princeton, and J. Preston, Hopewell, N. J., assignors to Radio Corporation of America. Loudspeaker diaphragm support comprising plural compliant members. 2,490,466, Dec. 6.
- Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring boring and beveling machine. 2,471,006, May 24.
- Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring blank. 2,482,990, Sept. 27.
- Olson, J. H. Leslie, deceased; by M. Olson, administratrix, assignor to Black, Sivalls & Bryson, Inc., Oklahoma City, Okla. Apparatus for shaping flanges on dish heads. 2,490,880, Dec. 13.
- Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Heating pad for brooders and hovers. 2,463,301, Mar. 1.
- Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Manger guard. 2,468,571, Apr. 26.
- Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Feed truck and removing feed therefrom. 2,470,637, May 17.
- Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Pressure poultry waterer. 2,477,138, July 26.
- Olson, John W., and C. W. Bechle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company. Tension control apparatus. 2,462,766, Feb. 22.
- Olson, Leonard E., and R. Wertzler, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Switching device. 2,471,281, May 24.
- Olson, Mae, administratrix: *See—*
Olson, J. H. Leslie.
- Olson, Norman E., San Diego, Calif. Key container. 2,472,337, June 7.
- Olson, Oliver L., Camas, Wash. Spinner type game of chance. 2,487,363, Nov. 8.
- Olson, Oscar A.: *See—*
Stork, Ralph E., and Olson.
- Olson, Oscar R., Pittsburgh, Pa. Kettle furnace. 2,460,392, Feb. 1.
- Olson, Oscar W.: *See—*
Westman, Oscar B., and Olson.
- Olson, Ray G., Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind. Compensated thermal motor. 2,468,996, May 3.
- Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Heat exchange system. 2,472,984, June 14.
- Olson, Raymond G., Chevy Chase, Md. Cylinder head construction for water cooling. 2,465,260, Mar. 22.
- Olson, Raymond G., Niles, assignor to one-fourth to K. T. Snow, Oak Park, Ill. Driving mechanism. 2,467,627, Apr. 19.
- Olson, Raymond G., Niles, Ill. Fabric reinforcement. 2,474,273, June 28.
- Olson, Raymond R., Chicago, Ill. Pour facilitating device for receptacles. 2,473,544, Aug. 9.
- Olson, Salvino O., assignee: *See—*
Kirschbaum, Abe F.
- Olson, Walter R., Racine, Wis. Fish box for anglers. 2,482,022, Sept. 13.
- Olson, Wilbert E., St. Paul, Minn. Quick-change gun sight. 2,473,966, June 21.
- Olson, Wilbur K., and L. P. Martin, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Clip for writing instruments. 2,473,690, June 21.
- Olsson, Karl E. F., Klockargarden, Orno, Sweden. Oarlock. 2,482,432, Sept. 20.
- Olzewski, Stephen C., Davenport, Iowa. Apparatus for gauging and separating defective links in ammunition belts. 2,463,555, Mar. 8.
- Olt, Richard G., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making composite bearings. 2,461,765, Feb. 15.
- Oltman, Robert E., deceased: *See—*
Scott, George C., Oltman, and Peterson.
- Olvis, James E., Glendale, Calif. Adjustable door holder and doorstop. 2,458,528, Jan. 11.

- Olvis, James E., Glendale, Calif. Measuring attachment for containers. 2,487,825, Nov. 15.
- Olympic Knitwear, Inc., assignee: *See*—Katz, William.
- O'Malley, Joseph M.: *See*—Sheperdson, John W., and O'Malley.
- O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Wabblor coupling. 2,471,974, May 31.
- O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Rolling mill bearing. 2,488,514, Nov. 15.
- O'Malley, Louis J., assignee: *See*—Spence, Robert T.
- Omans, Leland E., Detroit Lakes, Minn. Window fastener. 2,483,061, Sept. 27.
- Omar, Alejandro G., Madrid, Spain. Demountable building and structural unit therefor. 2,461,916, Feb. 15.
- Omar, Alejandro G., assignor to Patentes Talgo, S. A., Madrid, Spain. Articulated railway vehicle. 2,462,666, Feb. 22.
- Omdahl, Russell: *See*—Murphy, John F., and Omdahl.
- Omega Louis Brandt & Frere S. A., assignee: *See*—Gerber, Henri.
- On-A-Lite Corporation, assignee: *See*—Brooks, Linzy W.
- Oneida Ltd., assignee: *See*—Gray, Daniel.
- Omohundro, Allen L., Westport, M. J. Golden, New Haven, Conn., and F. M. Neumeier, Corona, N. Y., assignors to McKesson & Robbins, Incorporated, Bridgeport, Conn. Mixture containing penicillin. 2,464,053, Mar. 8.
- Omohundro, Allen L., Wilton, and F. M. Neumeier, Fairfield, Conn., and B. R. Zeitlin, Bronx, N. Y., assignors to McKesson & Robbins, Incorporated, Bridgeport, Conn. Insect repellent stick. 2,465,470, Mar. 29.
- Omohundro, Allen L., Wilton, E. C. Fanto, Fairfield, Conn., and I. Reich, Brooklyn, N. Y., assignors to McKesson & Robbins, Incorporated, Bridgeport, Conn. Purifying and concentrating sesamin extracts. 2,467,903, Apr. 19.
- Omohundro, Allen L., Wilton, E. C. Fanto, Fairfield, Conn., and I. Reich, Brooklyn, N. Y., assignors to McKesson & Robbins, Incorporated, Bridgeport, Conn. Extraction of sesamin. 2,467,904, Apr. 19.
- Omwake, Leon W., Mamaroneck, assignor to The Lummus Company, New York, N. Y. Catalyst feeder. 2,489,925, Nov. 29.
- O'Neal, Alfred C., Andalusia, Ala. Ever-ready rigid top for convertible automotive vehicles. 2,462,667, Feb. 22.
- Oneida Ltd., assignee: *See*—Thurber, Arthur E.
- O'Neill, Albert T., assignee: *See*—Linder, Victor F.
- O'Neill, Desmond J., assignee: *See*—Simmet, Eugene W.
- O'Neill, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Applying protective spots to the pads of closure caps. 2,479,959, Aug. 23.
- O'Neill, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal can for liquid products. 2,492,883, Dec. 27.
- O'Neill, James R., San Francisco, Calif. Rope spinning toy. 2,486,609, Nov. 1.
- O'Neill, Terrance A., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Treating polonium plated metal. 2,476,823, July 19.
- O'Neill, Clara L., Blakeley Island, Ala. Baby play pen. 2,483,022, Sept. 27.
- O'Neill, George M., Salt Lake City, Utah. Ski press. 2,474,274, June 28.
- O'Neill, Joseph E., assignee: *See*—O'Neill, Orville B.
- O'Neill, Louis R., assignor to Federal Machine and Welder Company, Warren, Ohio. Electrode maintenance device. 2,467,091, Apr. 12.
- O'Neill, Louis R., Warren, Ohio. Welding apparatus. 2,467,628, Apr. 19.
- O'Neill, Louis R., Warren, Ohio. Spot welding gun. 2,467,629, Apr. 19.
- O'Neill, Orville B., Duncan, British Columbia, assignor of fifty per cent to J. E. O'Neill, Vernon, British Columbia, Canada. Twist drill depth gauge. 2,477,891, Aug. 2.
- Onondaga Pottery Company, assignee: *See*—Parmelee, Clifford H., and Briggs, Pass, Richard H.
- Pass, Richard H., Schramm, and Rhodes.
- Onsa, Eleanor V., Hatboro, Pa. Chair. 2,463,049, Mar. 1.
- Ontario, Inc., assignee: *See*—Medlin, Lewis E.
- Ontario Paper Company Limited, The, assignee: *See*—Sankey, Charles A., and Marshall.
- Ontario Research Corporation, assignee: *See*—Trowbridge, Charles A.
- Onyx Oil & Chemical Company, assignee: *See*—Kaplan, Saul.
- Oosterkamp, Wijbe J., and A. W. Vingerhoets, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, as trustee, Hartford, Conn. X-ray tube cooling apparatus. 2,468,942, May 3.
- Opalek, Charles, Brooklyn, N. Y. Mechanism for automatic stopping and reversal of electromechanically operated doors. 2,476,111, July 12.
- Openshaw, Harry T.: *See*—Atherton, Frank R., Bergel, Cohen, Haworth, Openshaw, and Todd.
- Basford, Frederick R., Curd, Rose, Openshaw, Hull, and Todd.
- Crowther, Albert F., Curd, Lovell, Openshaw, and Todd.
- Openshaw, James A., Southampton, assignor to Stanley Home Products, Inc., Westfield, Mass. Wire twisting apparatus. 2,460,235, Jan. 25.
- Operadio Manufacturing Co., assignee: *See*—Breen, Stanley.
- Opitz, Eric J., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Pressure welding machine. 2,482,023, Sept. 13.
- Opitz, Eric J., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Apparatus for making closely spaced spot welds. 2,486,319, Oct. 25.
- Oplin, Henry C., and A. J. Wesson, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Dyeing of resins with polyhydroxy alcohol assistants. 2,461,612, Feb. 15.
- Oplinger, Kirk A.: *See*—Austin, Bascom O., and Oplinger.
- Opocensky, Willard J., Glendale, assignor to Librascope, Incorporated, Burbank, Calif. Potentiometer. 2,461,843, Feb. 15.
- Oppatt, Edward H., Dearborn, Mich., assignor to Detroit Cover Company. Automobile window screen. 2,476,901, July 19.
- Oppenheim, Ralph, Brooklyn, N. Y. Winding machine. 2,461,231, Feb. 8.
- Oppenheim, Theodore H., Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Agricultural machine transmission. 2,486,799, Nov. 1.
- Oppenheimer, Franz: *See*—Levinson, Sidney O., and Oppenheimer.
- Oprescu, Ilie N., Providence, R. I. Circumference and center point marker. 2,492,367, Dec. 27.
- Opsahl, Earl J., North Hollywood, Calif. Swimming pool apparatus. 2,472,309, June 7.
- Optical Measuring Tool's Limited, assignee: *See*—Lacey, Charles W. G., and Binns, G. L.
- Meech, Frank B.
- Optimus Equipment Company, assignee: *See*—Jaffa, Mose.
- Optische, N. V., Industrie "De Oude Delft," assignee: *See*—Bouwers, Albert.
- Orance, Albert, Chicago, Ill. Airplane amusement device. 2,468,893, May 3.
- Orange-Crush Company, assignee: *See*—Mackey, Charles O., and Rogers.
- Rogers, Gardiner M., and Mackey.
- Orange, Robert W.: *See*—Lambert, Lawrence B., and Orange.
- Oravetz, Julius R., New York, N. Y. Internal expansion pipe wrench. 2,482,501, Sept. 20.
- Orchard, Herman C., assignor to Orchard Paper Company, St. Louis, Mo. Satchel bag having reinforced side walls and handle. 2,463,302, Mar. 1.
- Orchard, Herman C., assignor to Orchard Paper Company, St. Louis, Mo. Garbage retainer. 2,491,515, Dec. 20.
- Orchard, Herman C., St. Louis, Mo., assignor to Orchard Paper Company. Carrier bag. 2,491,929, Dec. 20.
- Orchard Paper Company, assignee: *See*—Orchard, Herman C.
- Orchin, Milton, Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Interior. Solvation and depolymerization of coal. 2,476,999, July 26.
- Orchin, Milton, Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Interior. Synthesis of perylene. 2,478,205, Aug. 9.
- Ordas, Arthur F., Huntertown, Ind., assignor to General Electric Company. Dynamoelectric machine core member. 2,461,296, Feb. 8.
- O'Rear, George M., U. S. Navy. Long and short delay fuse. 2,465,395, Mar. 29.
- O'Reilly, John J., Chicago, Ill. Accelerator pedal and switch. 2,462,767, Feb. 22.
- O'Reilly, Martin G., assignor to Ford Roofing Products Company, Chicago, Ill. Shingle. 2,462,028, Feb. 15.
- O'Reilly, Royal V., Juneau, Alaska. Electrical control device. 2,464,886, Mar. 22.
- Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Speed controlled centrifugal valve. 2,473,967, June 21.
- Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Beet topper. 2,491,203, Dec. 13.
- Orelup, John W., Short Hills, N. J. Aromatic amines and fuels containing the same. 2,461,917, Feb. 15.
- Orelup, John W., Short Hills, N. J. Colored smoke composition. 2,478,418, Aug. 9.
- Orelup, John W., Short Hills, N. J. Colored smoke compositions. 2,478,419, Aug. 9.
- Orem, Henry T., North Plainfield, and F. H. Adams, Bound Brook, N. J., and J. P. Goulding, Shepherdstown, W. Va., assignors to American Cyanamid Company, New York, N. Y. N-substituted amides of 2-hydroxy-3-naphthoic acids. 2,465,979, Mar. 29.

- Oremland, Irving A., assignee: *See*—
Koffler, Samuel.
- Oren, Henry P., North Plainfield, F. H. Adams, Bound Brook, N. J., and J. P. Goulding, Shepherdstown, W. Va., assignors to American Cyanamid Company, New York, N. Y. Water-insoluble azo dyestuffs. 2,468,457, Apr. 26.
- Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet topper. 2,458,795, Jan. 11.
- Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Driven finder for beet harvesters. 2,488,735, Nov. 22.
- Orlando, Anthony, Bronx, N. Y. Platform type shoe, slipper or the like and making same. 2,473,605, June 21.
- Organon, Inc., assignee: *See*—
Reichstein, Tadeus.
- Organon, N. V., assignee: *See*—
Van Dorp, David A., and Arens.
- Orlando, Jeano, Salt Lake City, Utah. Electrical connector. 2,486,610, Nov. 1.
- Orlando, Joseph, Brooklyn, N. Y. Rotary drum cheese grater. 2,481,836, Sept. 6.
- Orley, George, assignee: *See*—
Cameron, Duncan L.
- Orley, George, Detroit, Mich. Serpentine freezer shelf. 2,458,629, Jan. 11.
- Orlin, Max, Passaic, N. J. Cigarette case. 2,492,708, Dec. 27.
- Orme, Wilfrid H., Los Angeles, assignor of one-half to C. Schwiebert, Roscoe, Calif. Photoflash synchronizer for cameras. 2,480,336, Aug. 30.
- Ormesher, Arthur H., Chesterfield, England. Pyrophoric lighter. 2,492,060, Dec. 20.
- Ormesher, Arthur H., Chesterfield, England. Pyrophoric lighter. 2,492,061, Dec. 20.
- Orner, Harry, Cleveland Heights, Ohio. Hair drying apparatus. 2,488,553, Nov. 22.
- Ornfeldt, John, Morristown, N. J., assignor, by mesne assignments, to American Home Foods, Inc. Decaffeinated soluble coffee. 2,472,121, June 7.
- OrNSTEIN, Georg, New York, N. Y. Apparatus for supplying a treating gas. 2,485,840, Oct. 25.
- Oroschnik, William, Brooklyn, N. Y., assignor to Ortho Pharmaceutical Corporation. Preparing the ethynyl carbinol of β -ionone. 2,472,310, June 7.
- O'Rourke, Carl J., Mount Vernon, Ohio. Trammel. 2,463,796, Mar. 8.
- O'Rourke, Edward J., Ozone Park, N. Y. Lubricating and packing shaft. 2,469,515, May 10.
- Orozco, Gilbert H., Euclid, and J. A. Henricks, assignors to Gilton Products Company, Cleveland, Ohio. Lubricating metal surfaces during cold working. 2,469,473, May 10.
- Orr, A. William, Jr., Detroit, Mich., assignor to G. M. and E. Holley. Enrichening device. 2,468,941, May 3.
- Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Antidetonating device. 2,465,549, Mar. 29.
- Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Aircraft carburetor. 2,465,550, Mar. 29.
- Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Pressure carburetor. 2,491,760, Dec. 20.
- Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Brake equalizer support. 2,482,634, Sept. 20.
- Orr, Clifford M.: *See*—
Boardman, Harry C., Goldsby, and Orr.
- Orr, Fred L., and Orr.
- Orr Felt & Blanket Company, The, assignee: *See*—
Berglund, Orion W.
- Orr, Helen T., and W. A. Bates, Bayside, N. Y. Page-boy hair curler. 2,465,745, Mar. 29.
- Orr, John H., assignor to Carbodies Limited, Coventry, England. Folding hood for motor vehicles and the like. 2,459,089, Jan. 11.
- Orr, Mark J., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Basing of radio tubes and the like. 2,470,518, May 17.
- Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling. 2,466,266, Apr. 5.
- Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling. 2,478,306, Aug. 9.
- Orr, Percy L., assignor to Corning Glass Works, Corning, N. Y. Reheating and reshaping glass articles. 2,475,915, July 12.
- Orr, Ralph B., Logansport, Ind. Type lock for mailing galleys. 2,473,214, June 14.
- Orr, Robert S., Jr., assignee: *See*—
Funke, Fred W.
- Orr, Robert St. J., San Francisco, Calif. Pump lock. 2,482,502, Sept. 20.
- Orrell, Joseph B., Drexel Hill, assignor to Abbotts Dairies, Inc., Philadelphia, Pa. Concentrated sweet cream fat grinder. 2,479,080, Aug. 16.
- Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Power transmission. 2,471,117, May 24.
- Orshansky, Elias, Jr., New York, N. Y., assignor to The Acrotorque Company, Stamford, Conn. Valve for hydraulic units. 2,475,458, July 5.
- Orscheln, Albert, assignor of thirty-five one-hundredths to W. C. Orscheln, Moberly, thirty-five one-hundredths to E. J. Orscheln, Columbia, Mo., ten one-hundredths to T. B. Orscheln, Granite City, Ill., and ten one-hundredths to A. G. Orscheln, Kansas City, Mo. Brake operating or similar mechanism. 2,464,096, Mar. 8.
- Orscheln, Albert, assignor of thirty-five one-hundredths to W. C. Orscheln, Moberly, thirty-five one-hundredths to E. J. Orscheln, Columbia, Mo., ten one-hundredths to T. B. Orscheln, Granite City, Ill., and ten one-hundredths to A. G. Orscheln, Kansas City, Mo. Brake operating or similar mechanism. 2,464,097, Mar. 8.
- Orscheln, Aloysius G., assignee: *See*—
Orscheln, Albert.
- Orscheln, Edward J., assignee: *See*—
Orscheln, Albert.
- Orscheln, Theodore B., assignee: *See*—
Orscheln, Albert.
- Orscheln, William C., assignee: *See*—
Orscheln, Albert.
- Orsini, Nello, Royal Oak, Mich. Pushcart. 2,464,709, Mar. 15.
- Örtenblad, Sture J. W., Traneberg, assignor to Aktiebolaget Superior, Stockholm, Sweden. Automatically opening separator bowl. 2,487,364, Nov. 8.
- Orth, Herbert P., Upper Darby, Pa. Metal flashing. 2,469,840, May 10.
- Orthner, Ludwig, G. Balle, and H. Schild, Frankfurt-on-Main, M. O. Schürmann, Dormagen, and K. Brodersen, and M. Quaedvlieg, Dessau, Germany; vested in the Attorney General of the United States. Manufacture of improved fibrous materials and the materials thus obtained. 2,471,039, May 24.
- Ortho Pharmaceutical Corporation, assignee: *See*—
Folsome, Clair E.
Johnson, J. Garth.
Oroschnik, William.
Singher, Heron O., and Styles.
- Orthopedic Frame Company, assignee: *See*—
Treace, Harry T.
- Ortleb, Douglas, St. Louis, Mo. Protector pad. 2,462,768, Feb. 22.
- Ortman, Edward C., and W. Young, New York, N. Y. Cooling system for marine motors. 2,482,024, Sept. 13.
- Orton, Kenneth L., St. Paul, Minn. Fish stringer. 2,470,941, May 24.
- Orton, Merritt K.: *See*—
Roman, John J., and Orton.
- Orton, Merritt K., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,105, Dec. 20.
- Orton, Merritt K., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,106, Dec. 20.
- Orton, Merritt K., and A. C. Hoven, assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,107, Dec. 20.
- Orzalesi, Giuseppe: *See*—
Marchiaro, Ettore, Mostardini, and Orzalesi.
- Osbon, William O.: *See*—
Frisch, Erling, Hanna, and Osbon.
- Osborn, Alden E., Mount Vernon, N. Y. Pipe joint. 2,479,960, Aug. 23.
- Osborn, Arthur S., Kansas City, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rheostat control device. 2,481,776, Sept. 13.
- Osborn, Katharine S., assignee, executrix: *See*—
Sprong, Severn D.
- Osborn Manufacturing Company, The, assignee: *See*—
Abbrecht, Hermann R.
Peterson, Ruben O.
Peterson, Ruben O., and Charvat.
- Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Handle control for suction cleaners. 2,460,236, Jan. 25.
- Osborn, Ralph C., assignor to Eureka Williams Corporation, Bloomington, Ill. Hood for suction cleaners and the like. 2,475,400, July 5.
- Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Garbage grinder. 2,484,459, Oct. 11.
- Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Quickly detachable coupling for suction cleaners. 2,487,470, Nov. 8.
- Osborne, Fay H., assignor to C. H. Dexter & Sons, Inc., Windsor Locks, Conn. Synthetic fiber paper. 2,477,000, July 26.
- Osborne, Samuel, Portland, Oreg. Flexible ratchet-type pipe wrench. 2,465,695, Mar. 29.
- Osborne, Walter S., Sumter, S. C. Fungicidal lacquer. 2,472,847, June 14.
- Osborne, William B., Muncie, Ind. Speed varying gearing. 2,467,220, Apr. 12.
- Osborne, William E.: *See*—
Kelsey, Alwyn L., Hiebert, Tasker, and Osborne.
- Osgood, Mildred M., Terre Haute, Ind. Manufacture of marionettes. 2,468,997, May 3.
- Osgood, Robert C., Claremont, N. H., assignor to Joy Manufacturing Company, Hoist. 2,475,983, July 12.
- Osgood Walter V.: *See*—
Strain, Daniel E., and Osgood.

- O'Shaughnessy, John, Trenton, N. J. Adjustable pipe connection. 2,484,354, Oct. 11.
- Osinski, Edmund D., and G. W. Bucklin, Dayton, Ohio. Preservative for photolithographic plates. 2,463,554, Mar. 8.
- Ospow, Lloyd I., Bronx, N. Y. Electric steaming stand. 2,474,113, June 21.
- Oslurd, Axel E., Santa Rosa, Calif. Hop and leaf separator. 2,473,215, June 14.
- Osman, Lee E., Marblehead, Mass., assignor to General Electric Company. High-temperature alloys. 2,492,761, Dec. 27.
- Osmun, Dean W., Houston, Tex. Multiple seat releasing and circulating overshoot. 2,491,392, Dec. 13.
- Osmun, Dean W., Houston, Tex. Overshot. 2,492,813, Dec. 27.
- Osner, Clarence W., Chicago, Ill. Unitary brake beam and head. 2,480,953, Sept. 6.
- Osplack, Joseph J., assignor to Vinco Corporation, Detroit, Mich. Making spindle bearings. 2,466,123, Apr. 5.
- Osplack, Joseph J., assignors to Vinco Corporation, Detroit, Mich. Lead screw and making the same. 2,475,045, July 5.
- Osserman, Harold A., assignor to Dictograph Products Company, Inc., New York, N. Y. Molding composition. 2,475,802, July 12.
- Ost, Marie J., Mountinside, N. J. Mixing bowl cover. 2,486,320, Oct. 25.
- Ost, William R., Verona, N. J., assignor, by mesne assignments, to Walworth Company, New York, N. Y. Making joints between noncircular tubular members having corners. 2,480,598, Aug. 30.
- Östberg, Gustaf F. H., Gyllebo, Sweden. Support for saw frames. 2,467,905, Apr. 19.
- Ostby, Arne B., Minneapolis, Minn. Baby carriage. 2,468,271, Apr. 26.
- Ostby & Barton Company, assignee: *See*—Antole, Nicholas.
- Ostby, Chris A., Jr., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Diver's suit. 2,478,126, Aug. 2.
- Osten, Oscar, Detroit, Mich. Selective inking means for ticket printing machines. 2,477,703, Aug. 2.
- Ostendorf, Bernard, Jr.: *See*—Bascom, Henry M., Massonneau, Ostendorf, Jr., Rea, Ostendorf, Bernard, Jr., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,472,611, June 7.
- Oster, Charles Everett, Rochester, N. Y. Chuck for retaining tubular members on spindles. 2,466,472, Apr. 5.
- Oster, John, Manufacturing Company, assignee: *See*—Janecky, Charles, Filiweber, and Bylund.
- Oster Manufacturing Company, The, assignee: *See*—Packer, Harry V.
- Osterberg, Carl I., Providence, R. I., assignor to A. J. Schwartz, New York, N. Y. Cuff link or cuff button. 2,461,845, Feb. 15.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Corrosion prevention. 2,490,978, Dec. 13.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Air heater. 2,492,315, Dec. 27.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Room heater. 2,492,316, Dec. 27.
- Osterberg, Harold, Buffalo, N. Y., J. R. Roebuck, Madison, Wis., and P. W. Collyer, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Heat absorbing screen for projectors. 2,464,887, Mar. 22.
- Osterberg, Harold, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Coating by vacuum distillation. 2,479,540, Aug. 16.
- Osterberg, Harold, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for treating surfaces. 2,479,541, Aug. 16.
- Osterberg, Harold, and R. E. Matter, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for coating articles. 2,469,929, May 10.
- Österdahl, Eric L. L., Stockholm, assignor to E. A. Bergs Fabriks Aktiebolag, Eskilstuna, Sweden. Wedge locked, sliding side jaw wrench. 2,472,338, June 7.
- Osterhaus, Joseph F., Independence, Iowa. Drive transmission for garden tractors. 2,461,391, Feb. 8.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal retarder mechanism. 2,475,291, July 5.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Thermal switch. 2,475,292, July 5.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric water heater. 2,478,499, Aug. 9.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Room heater. 2,483,664, Oct. 4.
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Anticorrosion unit. 2,486,871, Nov. 1.
- Osterhus, Ervin J., Cleveland, Ohio, assignor, by mesne assignments, of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins. Pressure and vacuum supplying apparatus for testing pressure responsive instruments. 2,478,938, Aug. 16.
- Osterhus, Ervin J., assignor, by mesne assignments, of thirty one hundredths to R. R. Roemer, thirty-five one hundredths to L. E. Roemer, twenty-five one hundredths to W. R. Kiefer and ten one hundredths to J. E. Tompkins, Cleveland, Ohio. Pressure and vacuum pumping unit lubrication. 2,487,826, Nov. 15.
- Osterlund, Soren B., St. Albans, and C. Geiser, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Electric measuring device. 2,486,972, Nov. 1.
- Osterman, Joseph T.: *See*—Lamphere, Richard W., and Osterman.
- Osterman, Joseph T., Northampton, assignor to American Bosch Corporation, Springfield, Mass. Ignition unit. 2,467,534, Apr. 19.
- Osterman, Joseph T., Northampton, assignor to American Bosch Corporation, Springfield, Mass. Electric condenser. 2,485,913, Oct. 25.
- Ostermann, Rudolf M., Evanston, Ill., assignor to Combustion Engineering-Superheater, Inc. Locomotive with reciprocating engine receiving exhaust from steam turbine. 2,463,901, Mar. 8.
- Ostermann, Rudolf M., Kenilworth, Ill., assignor to Combustion Engineering-Superheater, Inc. Steam power plant. 2,467,092, Apr. 12.
- Ostinelli, Charles, Joliet, Ill. Book match holder. 2,486,973, Nov. 1.
- Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Batteryless impulse transmitter. 2,491,902, Dec. 20.
- Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electric motor control circuits. 2,492,435, Dec. 27.
- Ostling, William, assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif. Automatic spark advance mechanism. 2,470,366, May 17.
- Ostling, William, assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif. Automatic spark advance mechanism. 2,473,170, June 14.
- Ostling, William, assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif. Automatic spark advance mechanism. 2,473,171, June 14.
- Ostling, William, assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif. Automatic spark advance mechanism. 2,475,717, July 12.
- Ostlund, Evert M., Montclair, N. J., and P. W. Sokoloff, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Pulse generating system. 2,474,275, June 28.
- Ostlund, Evert M., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Impulse generator. 2,477,643, Aug. 2.
- Ostlund, Hanning I., Minneapolis, Minn. Coasting device. 2,464,341, Mar. 15.
- Ostrak, Joseph, St. Louis, Mo. Universal electrical connector. 2,490,316, Dec. 6.
- Ostrak, Joseph, St. Louis, Mo. Electrical connector. 2,490,317, Dec. 6.
- Ostrin, Alvin H.: *See*—Canham, Walter G., Ostrin, and Borstein.
- Ostrom, Lawrence E., assignee: *See*—Lomelino, George F.
- Ostrow, Albert M., Los Angeles, Calif. Lipstick applicator. 2,489,807, Nov. 29.
- O'Sullivan, James, Port Richmond, N. Y. Ampoule. 2,486,321, Oct. 25.
- Oswald, Emile, Rockaway Park, N. Y. Hair clip. 2,473,725, June 21.
- Oswald, Frank G., assignor to Hercules Powder Company, Wilmington, Del. Resinous mixed esters containing a pentaerythritol. 2,459,581, Jan. 18.
- Oswald, James A., assignor to Central Commercial Company, Chicago, Ill. Electrical musical instrument. 2,489,497, Nov. 29.
- Oswald, Joseph H., South Euclid, and T. E. Weil, Willoughby, Ohio. Spring bolt. 2,477,524, July 26.
- Oswald, Marcel V., assignor to Societe Le Carbone Lorrain, Paris, France. Producing electrodes for electric arcs. 2,472,171, June 7.
- Oswald, Olaf, Honolulu, Territory of Hawaii. Carburetor. 2,460,528, Feb. 1.
- Oswego Falls Corporation, assignee: *See*—Horning, Raymond H., and Wilcox.
- Wilcox, Isaac L.
- Otarion: *See*—Hull, Denison B.
- Othmer, Donald F.: *See*—Schmutzler, Alfred F., and Othmer.
- Othmer, Donald F., Coudersport, Pa., and G. Papps, New York, N. Y. Recovery of stearic and abietic acid from hydrogenated tall oil. 2,486,974, Nov. 1.
- Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Continuous strip furnace. 2,491,828, Dec. 20.

- Otis Elevator Company, assignee: *See*—
 Bruns, William H.
 Lauthrup, George W., and Anderson.
 Pinto, Anthony.
 Sahlin, Eric A.
 Watson, Gavin.
- Otis, Louis W., Seattle, Wash. Toothpick dispenser. 2,479,860, Aug. 23.
- Otis, Russell M., Pasadena, assignor to Lane-Wells Company, Los Angeles, Calif. Flowmeter. 2,472,056, May 31.
- Otis, Samuel S., Winnetka, Ill. Knife rack and edger. 2,459,391, Jan. 18.
- Ott, Frederick P., Irondequoit, N. Y. Illuminated scoreboard for shuffleboards and the like. 2,480,504, Aug. 30.
- Ott, George J., assignee: *See*—
 Ott, George S.
- Ott, George S., assignor of fifty per cent to G. J. Ott, Rice Lake, Wis. Arrow clamp for archery bows. 2,483,923, Oct. 4.
- Ott, Gustav H., Riehen, and W. Kraus, assignors to Ciba Limited, Basel, Switzerland. Phenol oxide resin lacquers and their manufacture. 2,458,796, Jan. 11.
- Ott, Oran W., San Marino, Calif. Fuel burning forced air heating unit. 2,487,269, Nov. 8.
- Ottawa Steel Products, Inc., assignee: *See*—
 Machin, Donald W.
 Scofield, Emory J.
- Otterman, Joyce, Blyth, England. Artificial arm. 2,477,463, July 26.
- Otterman, Joyce, Blyth, Northumberland, England. Artificial limb. 2,482,555, Sept. 20.
- Otterness, Harold O., Kasson, Minn. Wheel anchor. 2,465,551, Mar. 29.
- Otterson, Charles D., Kintnersville, assignor to Nassau Products, Allentown, Pa. Welded brace anchorage fitting for tubular frame structures. 2,477,263, July 26.
- Otterson, Lee A., Willows, Calif. Aircraft liquid sprayer. 2,488,554, Nov. 22.
- Otteson, Herbert C., St. Paul, Minn. Polarity indicating apparatus. 2,486,673, Nov. 1.
- Otting, Herbert E., Westerville, Ohio, assignor to M & R Dietetic Laboratories, Inc. Stabilizing evaporated milk. 2,490,599, Dec. 6.
- Otting, Herbert E., Westerville, and L. H. Chrysler, and E. F. Almy, Columbus, Ohio, assignors to M & R Dietetic Laboratories, Inc. Stabilizing evaporated milk. 2,473,493, June 14.
- Ottinger, Leon, assignee: *See*—
 Gage, Edward G.
- Otto, Earl M., Washington, D. C. Conductivity cell for viscous materials. 2,486,432, Nov. 1.
- Otto, Edmund H.: *See*—
 Rettke, Julius L., and Otto.
- Otto, Eugene J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Belt transmission. 2,487,980, Nov. 15.
- Otto, Ferdinand P.: *See*—
 Reiff, Orland M., Otto, Giammaria, and Oberright.
- Otto, Ferdinand P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants by the catalytic treatment of unsaturated ketones. 2,476,157, July 12.
- Otto, Ferdinand P., Woodbury, N. J., and R. E. Meyer, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Products obtained by reacting phosphorus pentasulfide with sulfurized ketones. 2,459,090, Jan. 11.
- Otto, Ferdinand P., Woodbury, N. J., and R. E. Meyer, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Sulfurization of reaction product of phosphorus pentasulfide and unsaturated acyclic ketone. 2,483,736, Oct. 4.
- Otto, Merritt M.: *See*—
 Cislak, Francis E., and Otto.
- Ouellette, Maxime E., Macwahoc, Maine. Switch mechanism for fire alarms. 2,472,266, June 7.
- Quimet, Emil R., Brockton, Mass. Shoe welt. 2,470,942, May 24.
- Oulianoff, George: *See*—
 Lombard, Adrian A., Oulianoff, and Janes.
- Ours, John H., Arlington, Va. Screen for gutters. 2,469,841, May 10.
- Ours, Station R. U. S. Navy. Airplane flight safety device. 2,460,843, Feb. 8.
- Oury, John F., Chicago, Ill. Flashlight design. 2,465,114, Mar. 22.
- Outboard, Marine & Manufacturing Company, assignee: *See*—
 Sidell, Philip A.
- Ovens, William G., Midland Park, and J. W. McCrea, Radburn, N. J., assignors to Wright Aeronautical Corporation. Hose clamp. 2,472,172, June 7.
- Overacker, Horace E., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Tunable circuit. 2,463,417, Mar. 1.
- Overacker, Horace E., San Francisco, Calif., assignor to the United States of America as represented by the Secretary of War. Mechanical device. 2,478,307, Aug. 9.
- Overbeck, Wilcox P., Chicago, Ill., assignor to Research Corporation, New York, N. Y. Electronic counting system. 2,470,716, May 17.
- Overbeek, Jan T. G., Eindhoven, Netherlands, assignor to General Electric Company. Lanthanum silicate phosphor. 2,467,689, Apr. 19.
- Overbeek, Jan T. G., and F. A. Kröger, Eindhoven, Netherlands, assignors to General Electric Company. Fluorescent material and electric discharge device. 2,476,681, July 19.
- Overby, Stanley, Inglewood, Calif. Spring seat construction. 2,485,650, Oct. 25.
- Overesch, Albert G., Cincinnati, Ohio. Erecting concrete floor forms. 2,489,808, Nov. 29.
- Overhoff, Johan: *See*—
 Kooijman, Edward C., and Overhoff.
- Overhoff, Johan, and H. W. Huyser, Amsterdam, assignors to Nederlandse Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Production of ketogulonic acid. 2,467,442, Apr. 19.
- Overholt, Kenneth C., Akron, Ohio. Template holding device for rotary boring mills or the like. 2,468,307, Apr. 26.
- Overland, Leo D., Brooklyn, N. Y. Stick holder. 2,461,844, Feb. 15.
- Overly, Charles D., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Fastener. 2,481,777, Sept. 13.
- Overly, Elmer G., Oakmont, Pa. Envelope package. 2,478,635, Aug. 9.
- Overly, Lloyd H., Maryville, Tenn. Structural metal awning. 2,474,011, June 21.
- Overmader Machine, Inc., assignee: *See*—
 Raypholtz, Kenneth A.
- Overmyer, Dwight E.: *See*—
 Anderson, Chester W., Hansen, and Overmyer.
- Overmyer, Perry F., Chicago, Ill., assignor to Universal Atlas Cement Company. Automatic measuring device for bulk material. 2,471,494, May 31.
- Overpeck, Lem S., Los Angeles, Calif. Continuous cleanup sluice box and concentrator. 2,488,640, Nov. 22.
- Overstedt, Ernest A., assignor to L. M. W. R., and F. R. Dalzen, trustees, Dalzen Trust, Detroit, Mich. Thread grinding machine. 2,489,666, Nov. 29.
- Overstreet, John T., San Antonio, Tex. Headlight dimmer. 2,478,308, Aug. 9.
- Overton, Glen, Dowagiac, Mich. Feed distributor. 2,484,580, Oct. 11.
- Overturf, C. A., assignee: *See*—
 Banks, Harry R.
- Overturf, William K., San Diego, Calif. Resettable circuit breaker. 2,461,126, Feb. 8.
- Ovrebø, Paul J., Dayton, Ohio. Impedance matched thermocouple for coaxial conductors. 2,468,775, May 3.
- Owen, Albert G., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power supply apparatus. 2,488,321, Nov. 15.
- Owen, Allen F., assignor to Latex Fiber Industries, Inc., Beaver Falls, N. Y. Fibrous sheets formed from an aqueous suspension of a mixture of fibers and butadiene-styrene copolymer. 2,474,801, June 28.
- Owen, David E., assignee: *See*—
 England, James M.
- Owen, David T., Cleveland Heights, Ohio. Spring and spring construction. 2,480,158, Aug. 30.
- Owen Foundation, Incorporated, assignee: *See*—
 Owen, James E.
- Owen, Haddon S., assignor to Dennison Manufacturing Company, Framingham, Mass. Adjustable feed finger for feeding ticket strips. 2,483,227, Sept. 27.
- Owen, James E., Asheville, assignor to Owen Foundation, Incorporated, Buncombe County, N. C. Loading device for trucks or other mobile vehicles. Re. 23,166, Nov. 8.
- Owen, James R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic hydrocarbon conversion. 2,483,929, Oct. 4.
- Owen, John J.: *See*—
 Voorhis, Alexis, Jr., and Owen.
- Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Pretreatment of gases for the synthesis of hydrocarbons. 2,468,510, Apr. 26.
- Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Drying hydrogel catalysts. 2,475,984, July 12.
- Owen, John M., Fort Sill, Okla. Helicopter. 2,466,821, Apr. 12.
- Owen, Nasser D., Albuquerque, N. Mex. Single-line hydraulic system. 2,482,792, Sept. 27.
- Owen, William F., Daytona Beach, Fla. Nonrefillable bottle. 2,459,450, Jan. 18.
- Owenby, Frank: *See*—
 Owenby, Paul and F., and Sacks.
- Owenby, Paul and F., Marietta, Ga., and J. A. Sacks, New York, N. Y. Garment. 2,459,043, Jan. 11.
- Owens-Corning Fiberglas Corporation, assignee: *See*—
 Bacon, Clare E.
 Bennett, Willard H., and Taylor.
 Brady, David R.
 Collins, Howard W.
 Grant, John A.
 Grant, John A., and Babcock.
 Roberts, Richard M., and Metzler.
 Simson, Allen L.
 Slayter, Games, and Fletcher.
 Stalego, Charles J.

- Owens, Dewey E.: *See*—
Stout, Norman L., and Owens.
- Owens, Elliott R., Whittier, Calif., assignor to Owens Illinois Glass Company. Photoelectric apparatus for detecting surface defects in glassware. 2,481,863, Sept. 13.
- Owens, Fred L., Long Beach, Calif. Air conditioning attachment for toilets. 2,472,383, June 7.
- Owens, Freeman H., New York, N. Y. Magazine-type photoelectric sound reproducer. 2,466,124, Apr. 5.
- Owens, Grafton R., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Acrolein-phenol resin. 2,458,408, Jan. 4.
- Owens, Henry B., and J. H. Derrick, assignors to The Leaf Manufacturing Corporation, New York, N. Y. Producing artificial flower leaves. 2,467,565, Apr. 19.
- Owens, Herbert B.: *See*—
Smith, Henry, and Owens.
- Owens-Illinois Glass Company, assignee: *See*—
Ball, Charles O.
Ball, Charles O., and Scott.
Bauman, Thomas S.
Belada, John.
Buerger, Martin J., and Washken.
Fraser, Lewis H. D.
Glycofrides, Eustace.
Griswold, Hugh T.
Hartman, Don B.
Hohl, John, Belnap, and Barnby.
Jackson, Albert S., and Heyne.
Jobst, Conrad.
Owens, Elliott R.
Weymouth, Leslie G.
- Owens, James B.: *See*—
Wallace, James M., and Owens.
- Owens, James B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spark gap device. 2,462,219, Feb. 22.
- Owens, James H., Camden, N. J., assignor to Radio Corporation of America. Variable bridge transducer and its combination with radio receiver. 2,488,927, Nov. 22.
- Owens, Jesse C., Los Angeles, Calif. Flushing tank and valve. 2,491,130, Dec. 13.
- Owens, Jesse C., Los Angeles, Calif. Combined overflow tube and flushing valve. 2,491,131, Dec. 13.
- Owens, Jesse C., Los Angeles, Calif. Antisiphonic toilet flush tank. 2,492,436, Dec. 27.
- Owens, Martin F., Detroit, Mich. Collapsible housing. 2,485,914, Oct. 25.
- Owens, Roland E.: *See*—
Meyer, Otto F., Schmidt, Owens, and Miner, Jr.
- Owens, Walter F., Detroit, Mich. Apparatus for packing bearings. 2,489,809, Nov. 29.
- Owney, La Born F., Cleveland, Ohio, and C. Jernigan, Bradley, Tenn. Conductor hanger. 2,488,322, Nov. 15.
- Oxenrider, Ellis C., Chicago, Ill. Railroad-highway crossing construction. 2,471,167, May 24.
- Oxford, Alan J. H., Christchurch, assignor to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Interference suppression system for radio receivers and the like. 2,480,599, Aug. 30.
- Oxhandler, Samuel, Flushing, N. Y., assignor to Sargent & Company, New Haven, Conn. Door lock. 2,464,603, Mar. 15.
- Oxley, Peter: *See*—
Short, Wallace F., Hobday, and Oxley.
Short, Wallace F., and Oxley.
- Oxley, Peter, T. D. Robson, A. Koebner, and W. F. Short, assignors to Boots Pure Drug Company Limited, Nottingham, England. Manufacture of nitriles. 2,461,437, Feb. 8.
- Oyler, Otto I., Canton, Ohio. Articulated vehicle. 2,460,429, Feb. 1.
- Oyster, Earl F., Cleveland, Ohio. Molding machine. 2,489,810, Nov. 29.
- Ozark-Mahoning Company, assignee: *See*—
Anderson, Carl O.
Lange, Willy, and Livingston.
- Paasche, Jens A., Chicago, Ill. Airbrush. 2,460,529, Feb. 1.
- Paasche, Jens A., Chicago, Ill. Automatic spray coating apparatus. 2,461,657, Feb. 15.
- Pabich, Walter R., Chicago, Ill. Blank displacing and elevating control mechanism for stitching machines and the like. 2,467,493, Apr. 19.
- Pabst, Arthur C., Douglaston, A. E. Griffiths, Port Washington, and R. B. Killingsworth, Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Organic medium for the production of aerosols. 2,460,792, Feb. 1.
- Pabst, Charles H., and W. H. Graver, Pittsburg, Kans. Garden rake trash cleaner. 2,489,047, Nov. 22.
- Pabst, Norman W., La Crosse, Wis. Stockless pivoted fluke anchor. 2,465,261, Mar. 22.
- Pace, Canio, Waterbury, Conn. Electric motor. 2,466,267, Apr. 5.
- Pacheco, Frank, Jr., Bakersfield, Calif. V disk. 2,477,001, July 26.
- Pacheco, Manuel C., New Bedford, Mass. Wheeled toy. 2,487,940, Nov. 15.
- Pachner & Koller, Inc., assignee: *See*—
Adam, Louis D., and Poplin.
Sharps, George J.
- Pacific Airmotive Corporation, assignee: *See*—
Maystead, Richard D.
- Pacific Can Company, assignee: *See*—
Bourland, Eli.
Peterson, William B., Jr.
- Pacific Car and Foundry Company, assignee: *See*—
Lawrence, Frank L.
- Pacific Flush Tank Company, assignee: *See*—
Schlenz, Harry E.
- Pacific Grape Products Company, assignee: *See*—
Glenn, Wilbur A., and Buck, Jr.
- Pacific Manufacturing & Engineering Corp., assignee: *See*—
Plouff, Clifford E.
- Pacific Mills, assignee: *See*—
Jackson, Elwood C., and Babb.
Wilkie, Robert C.
- Pacini, Humbert P., Utica, N. Y., assignor to the United States of America as represented by the Secretary of War. Oscilloscope sweep circuit. 2,489,312, Nov. 29.
- Pacini, Humbert P.: *See*—
Moore, James R., and Pacini.
- Pack, Orvilla G., Kansas City, Mo. Popcorn display machine. 2,464,460, Mar. 15.
- Package Machinery Company, assignee: *See*—
Lyon, Norman W.
Lyon, Norman W., and Brown.
Melhorn, Carl E.
- Package Masters, Inc., assignee: *See*—
Kestner, Fred O., and McFall.
McFall, William W., and Kestner.
- Packard, Charles A., Welaka, Fla., assignor to Struthers-Dunn, Inc., Philadelphia, Pa. Self-starting synchronous hysteresis motor. 2,460,358, Feb. 1.
- Packard, Charles A., Welaka, Fla., assignor to Struthers-Dunn, Inc., Philadelphia, Pa. Electromagnetically operated switch. 2,488,928, Nov. 22.
- Packard Motor Car Company, assignee: *See*—
Clifton, Robert P.
Lucia, Carroll J., and McFarland.
Misch, Herbert L.
Storey, Edwin F.
Vincent, Charles H.
Vincent, Jesse G.
Weiss, Erwin A.
- Packard, Shirley W.: *See*—
Wolfram, John N., and Packard.
- Packard, William F., Shrub Oak, N. Y. Portable film developing apparatus. 2,491,620, Dec. 20.
- Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Headlight lantern. 2,482,287, Sept. 20.
- Packer, Donald M., Arlington, Va. Front-surface reflector and making same. 2,464,256, Mar. 15.
- Packer, Gordon W., assignor to Litchfield Manufacturing Company, Litchfield, Mich. Playground slide. 2,461,345, Feb. 8.
- Packer, Harry V., East Cleveland, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Attachment for shafts. 2,465,471, Mar. 29.
- Packer, Lewis C., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor generator. 2,465,262, Mar. 22.
- Packheiser, Joseph A., Chicago, Ill. Xylophone. 2,458,193, Jan. 4.
- Packie, John W., Green Village, and E. M. Glazier, Elizabeth, N. J., assignors to Standard Oil Development Company. Butadiene extraction. 2,459,451, Jan. 18.
- Packless Metal Products Corporation, assignee: *See*—
Cole, Harry W., and Sproul.
- Packman, Percival J., Twyford, England. Potato harvesting machine. 2,488,983, Nov. 22.
- Packwood, Charles W., Cedar Rapids, assignor of eighteen and one-fourth per cent to J. H. Ashton, eighteen and one-fourth per cent to M. F. Ashton, West Liberty, and twelve and one-half per cent to S. A. Anderson, Des Moines, Iowa. Controlling the flow of liquids. 2,477,494, July 26.
- Packwood, George H., Jr., St. Louis, Mo. Dispenser support. 2,461,000, Feb. 8.
- Packwood, Heza H., Baton Rouge, La. Power lawn mower with air filtering screen. Re. 23,146, Sept. 13.
- Packwood, Heza H., Baton Rouge, La. Lawn mower. 2,471,975, May 31.
- Paclan, Krant: *See*—
Paclayan, Krant.
- Paclayan, Krant, North Bergen, N. J., now by judicial change of name, Krant Paclan. Toy. 2,485,064, Oct. 18.
- Pacyna, Arnold, Lyndhurst, N. J. Recovery of uranium and vanadium from ores. 2,485,841, Oct. 25.
- Paddle Pumps, Inc., assignee: *See*—
Simer, Jerome, and Cook.
- Paddock, John C., Spartanburg, S. C. Truck for transporting bobbins, quills or spools. 2,468,375, Apr. 26.
- Paddock, John C., Spartanburg, S. C. Truck for textile mills. 2,492,002, Dec. 20.
- Paddock, Levi S., assignor to Swift & Company, Chicago, Ill. Treatment of livers. 2,471,282, May 24.
- Paden, Frederick T., United States Army, Collingswood, N. J. Invertible field desk and file cabinet. 2,480,876, Sept. 6.

- Paden, James J., Poland, Ohio. Continuous electrical receptacle. 2,478,006, Aug. 2.
- Paden, Joseph H.: *See—*
MacKay, Johnstone S., and Paden.
- Paden, Joseph H., and A. F. MacLean, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Dicyandiamide hydrochloride. 2,475,674, July 12.
- Paden, Joseph H., and A. F. MacLean, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of ammeline. 2,476,452, July 19.
- Padfield, Edwin T., assignee: *See—*
Mitton, Robert E.
- Padgett, Grady, Beaver, Pa. Coke oven door. 2,475,512, July 5.
- Padmos, Adriaan A.: *See—*
Lambert, Gregorius J., and Padmos.
- Padmos, Adriaan A., and E. J. W. Verwey, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing resistance elements. 2,468,458, Apr. 26.
- Padon, Preston M., Phoenix, Ariz. Folding table legs with actuator gravity lock. 2,490,318, Dec. 6.
- Padowicz, Henry N., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of compounding rosin, rosin oil, and polyisobutylene. 2,473,606, June 21.
- Padwe, Seymour: *See—*
Rosenberg, Samuel, and Padwe.
- Paetow, Paul, Bryant, Iowa. Feed grinder. 2,462,542, Feb. 22.
- Paffen, Fred W., Great Neck, and H. L. Cornelius, Kew Gardens, N. Y., assignors to Celanese Corporation of America. Yarn package support. 2,470,835, May 24.
- Page, Bruno, assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. Apparatus for clarifying fluids. 2,470,943, May 24.
- Page, Charles E., Los Angeles, Calif. Popcorn machine. 2,477,416, July 26.
- Page, Clarence, assignor to Page and Cox, Detroit, Mich. Egg-grading machine. 2,481,440, Sept. 6.
- Page, Clarence, assignor to Page and Cox, Detroit, Mich. Egg-separating and positioning machine. 2,488,230, Nov. 15.
- Page, Clyde B., Baton Rouge, La. Musical instrument of the string type. 2,473,442, June 14.
- Page and Cox, assignee: *See—*
Page, Clarence.
- Page, F. B., assignee: *See—*
West, Merle J.
- Page, George R.: *See—*
Boynton, Wen'worth D., Lewis, and Page.
- Page, Grover C., assignee: *See—*
Adams, William C.
- Page, Herbert E., Alhambra, Calif. Slide projector and magazine therefor. 2,460,359, Feb. 1.
- Page, Herbert E., Alhambra, Calif. Clothes washing and extracting machine. 2,461,078, Feb. 8.
- Page, Herbert E., Alhambra, Calif. Clothes-washing machine. 2,463,801, Mar. 8.
- Page, Herbert E., Alhambra, Calif. Electrical connection device. 2,470,320, May 17.
- Page, Herbert E., Alhambra, Calif. Electric toaster. 2,488,097, Nov. 15.
- Page, Herbert E., Alhambra, Calif. Electrically operated shears. 2,490,086, Dec. 6.
- Page, Herbert E., Oakwood, Ohio. Toaster-tray combination. 2,471,649, May 31.
- Page, Herbert E., Pasadena, Calif. Jack. 2,463,797, Mar. 8.
- Page, James M., Jr., assignor to Standard Oil Company, Chicago, Ill. Method and apparatus for catalytic conversion. 2,488,027, Nov. 15.
- Page, Ralph E., West Orange, and H. S. Beattie, East Orange, N. J., assignors to International Business Machines Corporation, New York, N. Y. Record controlled accounting machine. 2,461,438, Feb. 8.
- Page, Ralph E., and H. S. Beattie, Poughkeepsie, and G. F. Daly, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record perforation analyzing means. 2,484,114, Oct. 11.
- Page, Ralph E., and S. J. Culveyhouse, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Key controlled machines with record punching and printing means. 2,490,373, Dec. 6.
- Page, Roland A., New York, N. Y. Adjusting means for gluing machines. 2,459,091, Jan. 11.
- Page, Thomas M., Detroit, Mich. Razor sharpener. 2,472,311, June 7.
- Page, William, Cranford, and W. F. Short, Newark, N. J. Machine for processing fabric piece goods, animal skins, hides, and the like. 2,467,093, Apr. 12.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Gear type air pump with change speed gearing and lubrication. 2,477,002, July 26.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Rotary helical gear air pump with discharge pressure regulator. 2,477,003, July 26.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Screw type air pump. 2,477,004, July 26.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure regulator. 2,477,005, July 26.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Air conditioning system. 2,477,525, July 26.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure control device. 2,484,846, Oct. 18.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure controlling apparatus. 2,484,847, Oct. 18.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure controlling apparatus. 2,484,848, Oct. 18.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Heating apparatus of the fluid actuated fuel pump type. 2,484,849, Oct. 18.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Cooling and pressurizing aircraft cabins. 2,484,850, Oct. 18.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure controlling apparatus. 2,484,851, Oct. 18.
- Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure control device. 2,484,852, Oct. 18.
- Pagliuso, Robert J., Glendale, Calif. Panoramic tilting tripod head. 2,458,872, Jan. 11.
- Pagliuso, Robert J., Glendale, Calif. Tripod leg structure. 2,480,382, Aug. 30.
- Pahl, Frederic C.: *See—*
Lewis, William L., and Pahl.
- Pahl, Leo F.: *See—*
Enkur, Edward M., Pahl, and Lauve.
- Paig, Paul F., Monongahela, and P. M. Volk, Belle Vernon, Pa. Coupler mechanism for railway vehicles. 2,466,860, Apr. 12.
- Paige Electrical Products Corp., assignee: *See—*
Paige, Isaac A.
- Paige, Isaac A., assignor to Paige Electrical Products Corp., Chicago, Ill. Outlet box connector. 2,458,409, Jan. 4.
- Paige, John, Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Salts of organic dyestuffs. 2,490,703, Dec. 6.
- Paige, John, Albany, assignor to General Aniline & Film Corporation, New York, N. Y. Reaction product of sulfonated copper phthalocyanine with an alkanolamine. 2,490,704, Dec. 6.
- Paillard S. A., assignee: *See—*
Prezioso, Giuseppe.
- Paillard S. A. (Paillard A. G., Paillard Limited), assignee: *See—*
Ascoli, Enzo.
Giauque, Rene.
- Paillard, S. A., Sainte-Croix: *See—*
Prezioso, Giuseppe.
- Pain, Edwin F., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Drain valve. 2,484,723, Oct. 11.
- Paine, George L., and Orville S. Harbison, Loveland, Colo. Pea and bean harvesting attachment for tractors. 2,466,555, Apr. 5.
- Paine, George R., Pleasantville, and J. P. McGuire, Amityville, N. Y., assignors to General Precision Laboratory Incorporated. Depth sounder. 2,476,902, July 19.
- Paine, Herman, Muncie, Ind. Curtain bracket. 2,485,406, Oct. 18.
- Paine, Louis A., and K. M. Smith, West Lafayette, assignors to Duncan Electric Manufacturing Company, La Fayette, Ind. Connecting mechanism for demand meters. 2,482,793, Sept. 27.
- Paisley, Taylor, Ferndale, Mich. Golf putter. 2,463,798, Mar. 8.
- Paisley, Taylor, Ferndale, Mich. Container labeling machine. 2,464,937, Mar. 22.
- Paist, Walter D., Orange, N. J., assignor to Celanese Corporation of America. Stabilized ethyl cellulose composition. 2,465,472, Mar. 29.
- Paist, Walter D., Orange, and F. Berardinelli, Newark, N. J., assignors to Celanese Corporation of America. Stabilizing a cellulose ether. 2,472,227, June 7.
- Pakala, William E., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,459,582, Jan. 18.
- Pakala, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,467,772, Apr. 19.
- Pakala, William E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,490,087, Dec. 6.
- Pako Corporation, assignee: *See—*
Dye, Glen M., Maddock, Sardeson, and Savala.
Sardeson, Robert, and Savala.
- Palagonia, Joseph R., Ridgewood, N. Y. Triple action explosive shrapnel bullet. 2,464,604, Mar. 15.
- Palaith, Herbert E., Evanston, Ill. Refrigerating means for containers. 2,460,765, Feb. 1.
- Palen, Peter H., Paterson, N. J., assignor to Wright Aeronautical Corporation. Torque meter. 2,461,001, Feb. 8.

- Palevsky, Harry, Urbana, and R. K. Swank, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Dynamic condenser. 2,483,981, Oct. 4.
- Palinkas, Bernard P., Trenton, N. J. Novel stirring device. 2,462,991, Mar. 1.
- Paliwoda, Miriam A., Bayonne, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Rust preventive compositions. 2,471,889, May 31.
- Palken, George, and N. Einis, Dorchester, Mass. Sounding top spinner. 2,481,337, Sept. 6.
- Palko, Andrew, Spring Valley, N. Y. Pan type oil gasifying burner. 2,458,630, Jan. 11.
- Pallas, Vernon R.: *See*—
Illmer, Louis, and Pallas.
- Pallmen, Walter B., Los Angeles, Calif. Hinge. 2,484,581, Oct. 11.
- Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Hose coupler. 2,478,052, Aug. 2.
- Palma, Harold G., New York, N. Y. Handbag purse. 2,470,367, May 17.
- Palma, Louis H., Nashville, Tenn. Revolver. 2,465,815, Mar. 29.
- Palme, Arthur, Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,492,762, Dec. 27.
- Palme, Arthur, and O. P. McCarty, Pittsfield, Mass., assignors to General Electric Company. Electric switch. 2,469,203, May 3.
- Palmer, Albert: *See*—
Bergstrom, Carl P., and Palmer.
- Palmer, Charles M., assignee: *See*—
Segal, Samuel.
- Palmer, Charles O., Bergholz, Ohio. Fishing rod holder and reel lock. 2,481,338, Sept. 6.
- Palmer Electric & Manufacturing Co., assignee: *See*—
Myshrahl, Frank H.
- Palmer, F. D. Inc., assignee: *See*—
Palmer, Frank D.
- Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Sealing ampoules. 2,464,765, Mar. 15.
- Palmer, Frank D., Chicago, Ill., assignor to Frank D. Palmer, Inc. Siftproof bag. 2,470,789, May 24.
- Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Ice-cream package filling mechanism. 2,482,593, Sept. 20.
- Palmer, Frank D., Inc., assignee: *See*—
Palmer, Frank D.
- Palmer, Frederick A., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Polymerization of isobutylene in the presence of controlled amounts of promoters for the reaction. 2,471,890, May 31.
- Palmer, Frederick A., Wooster, Tex., assignor to Standard Oil Development Company. Polymerization of isobutylene with a diolefin. 2,474,592, June 28.
- Palmer, Frederick A., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Polymerization of olefines with Friedel-Crafts catalysts dissolved in water containing alkyl halide solvents. 2,488,736, Nov. 22.
- Palmer, George B., Grosse Isle, Mich. Material handling apparatus. 2,458,915, Jan. 11.
- Palmer, Henry F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Butadiene-styrene copolymer tackified with oxidized isoprene polymer. 2,459,761, Jan. 18.
- Palmer, Jack, assignee: *See*—
Kirk, Bernard T.
- Palmer, James C.: *See*—
Luzzatto, Ferdinand, and Palmer.
- Palmer, John, Chicago, Ill. Stoker safety control device. 2,489,498, Nov. 29.
- Palmer, John H., Scarsdale, N. Y., assignor to Phelps Dodge Copper Products Corporation, Dover, Del. Stress cone seal for electric cable systems. 2,492,437, Dec. 27.
- Palmer, John H., Milford, and C. S. Dayton, Bridgeport, Conn., assignors to General Electric Company. Adjustable slice guide for toasters. 2,491,829, Dec. 20.
- Palmer, John S., Chicago, Ill., assignor to International Harvester Company. Refrigerator construction. 2,464,526, Mar. 15.
- Palmer, John S., Chicago, and L. H. Hinkel, Cicero, Ill., assignors to International Harvester Company. Refrigerator construction. 2,480,257, Aug. 30.
- Palmer, John S., and C. E. Sulcek, Chicago, Ill., assignors to International Harvester Company. Door handle and latch. 2,485,012, Oct. 18.
- Palmer, Lawrence F., Mentor, assignor to A. H. Bower, Toledo, Ohio, as trustee. Compound angle measuring device. 2,483,228, Sept. 27.
- Palmer, Loyal D.: *See*—
Wyekoff, Ralph D., Molnar, Palmer, and Blewett.
- Palmer, Marian O., assignee: *See*—
Beckman, John W.
- Palmer, Orrin C., Melrose, Mass. Trolling plate. 2,460,237, Jan. 25.
- Palmer, Ralph L., Dayton, Ohio, and B. E. Phelps, Chatham, N. J., assignors to International Business Machines Corporation, New York, N. Y. Carry device. 2,484,115, Oct. 11.
- Palmer, Richard F., Hastings, Mich. Wear plate for pin setting frames. 2,462,543, Feb. 22.
- Palmer, Robert C., Jr., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fuel and ignition control. 2,466,268, Apr. 5.
- Palmer, Robert T.: *See*—
Sewell, Henry R., and Palmer.
- Palmer, Robert T., Sharon, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Dehydration of foods by sublimation. 2,480,954, Sept. 6.
- Palmer, Robert T., Sharon, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,490,979, Dec. 13.
- Palmer, Rufus N., Pittsburgh, Pa., assignor to American Pearl Button Co., Washington, Iowa. Button blank cutting machine. 2,463,799, Mar. 8.
- Palmer, Rufus N., Pittsburgh, Pa., assignor to American Pearl Button Co., Washington, Iowa. Button-making tubular-saw holder and expeller. 2,471,698, May 31.
- Palmer, Sidney L., San Francisco, and L. M. Beckes, San Bruno, Calif., assignors to American Smelting and Refining Company, New York, N. Y. Metal casting apparatus. 2,459,892, Jan. 25.
- Palmer, Walter E., Fair Lawn, N. J., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Welding stud. 2,459,957, Jan. 25.
- Palmonin, Tutie, assignee: *See*—
Bonner, Don E.
- Palmqvist, Fredrik T. E.: *See*—
Engel, Bruno K., and Palmqvist.
- Palnut Company, The, assignee: *See*—
Johnson, Edward L.
- Palsgrove, Merlin E., Columbus, Ohio. Liquid fuel regulator. 2,490,319, Dec. 6.
- Falsson, Magnus P., Wenatchee, Wash. Holding means for bed sheets. 2,484,582, Oct. 11.
- Palumbo, Theodore R., Keyport, N. J. Electrical resistor and making same. 2,487,581, Nov. 8.
- Palumbo, Vincent, assignee: *See*—
Price, Albert O.
- Palumbo, Vincent, Cleveland Heights, Ohio. Fuel injector for internal-combustion engines. 2,470,717, May 17.
- Palumbo, Vincent, Cleveland Heights, Ohio. Antifriction bearing. 2,488,825, Nov. 22.
- Palumbo, Vincent, Cleveland Heights, Ohio. Antifriction bearing of the angle type. 2,488,929, Nov. 22.
- Palumbo, Vincent E., Cleveland Heights, Ohio. Compact bearing with axially aligned bearing means. 2,481,146, Sept. 6.
- Pamphilon, Leon E., Yeadon, assignor to Airdesign, Incorporated, Upper Darby, Pa. Coil winding machine. 2,474,755, June 28.
- Pampinella, Joseph, Bloomfield, and H. Silverman, Newark, N. J. Lipstick cover with a springing mirror set therein. 2,485,161, Oct. 18.
- Pan American Refining Corporation, assignee: *See*—
Brandt, Preston L.
Lee, Robert J.
Lee, Robert J., and Radford.
Scofield, Raymond C.
Wadsworth, Francis T., and Lee.
- Pancake, Herman H., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Resiliently mounted drop bottom mine car. 2,482,503, Sept. 20.
- Pandolfi, Albert, Milwaukee, assignor to D. F. Lucas, H. A. Milhaupt, and A. Pandolfi, co-partners, doing business under the name and firm style of Lucas-Milhaupt Engineering Sales Co., Cudahy, Wis. Fusible ring and making same. 2,471,650, May 31.
- Panepinto, Frank W., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Sodium bifluoride composition. 2,489,152, Nov. 22.
- Pangborn Corporation, assignee: *See*—
Gladfelter, Wiltie I.
Keefer, Walter L.
- Panhandle Eastern Pipe Line Company, assignee: *See*—
Stephens, Dishman K.
- Panik, Joseph J., Detroit, Mich., assignor to Banner Products Company, Milwaukee, Wis. Portable spot welding gun. 2,464,054, Mar. 8.
- Pankonin, William G., Chicago, Ill. Stapling device. 2,469,984, May 10.
- Pankonin, William G., Chicago, Ill. Feed mechanism for stapling machines. 2,469,985, May 10.
- Pankow, Edmund G., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control for electrically heated water tanks. 2,480,302, Aug. 30.
- Pannier Bros. Stamp Company, assignee: *See*—
Pannier, Ralph A.
- Pannier, Ralph A., Pittsburgh, Pa., assignor to Pannier Bros. Stamp Company. Marker for cylindrical articles. 2,492,709, Dec. 27.
- Panoramic Laboratories, assignee: *See*—
Wallace, Marcel.
Wallace, Marcel, and Miller.
- Panoramic Radio Corporation, assignee: *See*—
Heller, Joseph I.
Wallace, Marcel, and Miller.
- Panosh, Carl M., Berwyn, Ill. Sliding shoe rack. 2,458,194, Jan. 4.
- Pantex Manufacturing Corporation, assignee: *See*—
Monsarrat, Nicholas.

- Pantsios, Anthan A.: *See*—
Truhlar, John, and Pantsios.
- Pantuso, Anthony F., New York, N. Y. Automatic ignition shutoff device. 2,471,651, May 31.
- Panyard, Alfred A., assignor to Springfield Detail & Machine Parts, Detroit, Mich. Toolholding chuck. 2,481,945, Sept. 13.
- Pao, Chia-Shan: *See*—
Breen, Stanley L., Chu, and Pao.
- Papa, Domenick: *See*—
Schwenk, Erwin, and Papa.
- Papa, Domenick, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Hydrogenation of naphthalene compounds. 2,475,718, July 12.
- Papa, William J.: *See*—
Podvinez, Stephen J., and Papa.
- Papazian, Martin S., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Recessing the sink head of ingots and the like. 2,483,065, Oct. 18.
- Papciak, Walter J., Detroit, Mich. Honing tool for external cylindrical surfaces. 2,474,756, June 28.
- Pape, Karl, Dover, assignor to Resistoflex Corporation, Belleville, N. J. Adhesively bonding components of a hose wall. 2,478,939, Aug. 16.
- Pape, Karl, deceased, late of Dover, N. J., by V. M. Pape, executrix, Dover, assignor to Resistoflex Corporation, Belleville, N. J. Apparatus for making hose. 2,478,940, Aug. 16.
- Pape, Viola M., executrix: *See*—
Pape, Karl.
- Paper Converting Machine Co., Inc., assignee: *See*—
Christman, Peter J.
- Paper Patents Company, assignee: *See*—
Craig, Kenneth A.
Fleck, Louis C.
Weyenberg, John T.
- Paper Plastic Products Corporation, assignee: *See*—
Perry, Eugene L.
- Paper Strap, Inc., assignee: *See*—
Crary, Jay D.
- Papitto, Gene: *See*—
Loll, John, and Papitto.
- Papke, Herbert A., Grand Rapids, Mich. Kaleidoscope. 2,464,055, Mar. 8.
- Papke, Herbert A., Grand Rapids, Mich. Ocular toy. 2,484,116, Oct. 11.
- Pappas, George: *See*—
Del Monte, Jacques, and Pappas.
Othmer, Donald F., and Pappas.
- Papritz, Hans, Berne, assignor to Haag-Streit Werkstaten für Präzisionsmechanik, Berne-Liebefeld, Switzerland. Ophthalmic perimeter comprising an artificially illuminated concave spherical reflector. 2,471,652, May 31.
- Paquette, Armas, North Grosvenordale, Conn. Insecticide litter and bedding for poultry and other animals. 2,477,892, Aug. 2.
- Paquin, Joseph N.: *See*—
Hufferd, George H., and Paquin.
- Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Self-adjusting tappet. 2,460,651, Feb. 1.
- Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Rock drill. 2,479,698, Aug. 23.
- Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Flaring tool with multiple tube holder and toolholder guiding means. 2,483,982, Oct. 4.
- Paquin, Joseph N., Euclid, and E. P. Bock, Cleveland Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Dehydrator. 2,469,842, May 10.
- Paradis, Kenneth H. J., Island Pond, Vt. Window shade and curtain fixture. 2,460,360, Feb. 1.
- Paradise, Lionel P., New York, and W. F. Auerbacher, Brooklyn, assignors to Radio-Television Institute, Inc., New York, N. Y. Amplifier with heater compensation. 2,480,418, Aug. 30.
- Paradise, Lionel P., New York, and W. F. Auerbacher, Brooklyn, assignors to Radio-Television Institute, Inc., New York, N. Y. Voltage regulator with secondary source of potentials. 2,484,724, Oct. 11.
- Paradise, Louis A.: *See*—
Oehler, Alvin W., Colvin, and Paradise.
- Paraffine Companies, Inc., The, assignee: *See*—
Buchanan, Duncan F.
Lewon, Rubin, and Lechich.
- Paragon Electric Company, assignee: *See*—
Morrison, David.
Platt, Edward V.
- Paragon Products Corporation, assignee: *See*—
Greene, Samuel.
- Paragon Revolute Corporation, assignee: *See*—
Sullivan, Harry H., Sullivan, and Wilde.
- Para-Lux Products Company: *See*—
Kohl, William H.
- Paramount Pictures, Inc., assignee: *See*—
Maurer, Carl D., and Swenson.
- Paramount Textile Machinery Co., assignee: *See*—
Richter, Henry.
- Paransky, Louis, Pittsburgh, Pa., assignor to The Star Bedding Co. Mattress. 2,469,175, May 3.
- Parcher, Arthur H., Ellsworth, Maine; W. H. Parcher, executrix of said Arthur H. Parker, deceased. Oscope or the like. 2,485,766, Oct. 25.
- Parcher, Winifred H., executrix: *See*—
Parcher, Arthur H.
- Pardee, Edward A., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Container. 2,472,985, June 14.
- Pardue, Louis A.: *See*—
Wollan, Ernest O., Pardue, and Goldstein.
- Paré, Victor T., Westmont, N. J., assignor to Radio Corporation of America. Diffraction type sound absorber with fibrous walls. 2,488,555, Nov. 22.
- Parfentjev, Ivan A., Manuet, assignor to American Cyanamid Company, New York, N. Y. Preparing modified protein. 2,473,255, June 14.
- Pargman, Isaac, Paterson, N. J. Electric vaporizer. 2,467,630, Apr. 19.
- Parham, Billy G., Urbana, Ill., assignor to the United States of America as represented by the Secretary of War. 7-chloro-4-(1-ethyl-4-piperidylamino)-quinoline. 2,485,162, Oct. 18.
- Parl, Jack M., Cranford, N. J. Flexible holder for cleaning material. 2,479,131, Aug. 16.
- Parilla, Daniel, assignor of fifty per cent to S. D'Amico, Brooklyn, N. Y. Burglary or fire alarm system. 2,474,757, June 28.
- Paris, Robert E., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Electrical contact device with liquid contact means. 2,475,335, July 5.
- Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Mechanical movement. 2,472,919, June 14.
- Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,484,642, Oct. 11.
- Parish Pressed Steel Co., assignee: *See*—
Cole, Nelson E.
- Parish, Willard E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Adjustable actuating member. 2,469,570, May 10.
- Parish, Willard E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Interlock mechanism for switch and receptacle units. 2,470,944, May 24.
- Parissi, Anthony J.: *See*—
Parissi, Priscilla M.
- Parissi, Priscilla M. and A. J., Cohoes, N. Y. Incandescent lamp socket. 2,458,724, Jan. 11.
- Park, Allan J., Lakewood, Ohio. Clamp. 2,473,764, June 21.
- Park, Chauncey M., Evanston, Ill. Dust collector. 2,482,362, Sept. 20.
- Park Chemical Company, assignee: *See*—
Kramer, Paul H.
- Park, Donald Q.: *See*—
Johnson, James W., and Park.
- Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Ceric sulfate catalyzed emulsion polymerization of styrene. 2,485,535, Oct. 18.
- Park, Harold F., East Longmeadow, C. H. Basdekis, and R. I. Dunlap, Jr., Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Styrene emulsion polymerization process. 2,483,502, Nov. 15.
- Park, Harold F., East Longmeadow, C. H. Basdekis, and R. I. Dunlap, Jr., Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Styrene emulsion polymerization process. 2,488,503, Nov. 15.
- Park, Joseph D.: *See*—
Benning, Anthony F., and Park.
Benning, Anthony F., Park, and Krahler.
- Park Metalware Company, Inc., assignee: *See*—
Petre, John N.
Petre, John N., and Olsen.
- Park, Ross A., Detroit, Mich. Water closet. 2,458,096, Jan. 4.
- Parke, Davis & Company, assignee: *See*—
Bambas, Louis L.
Bartz, Quentin R.
Binkley, Stephen B.
Bogin, Herman H.
Burckhalter, Joseph H., Jones, Rawlins, Tendick, and Holcomb.
Bywater, William G., and Coleman.
Cheney, Lee C., and Piening.
Crooks, Harry M., Jr., Rebstock, Controullis, and Bartz.
Doub, Leonard.
Doub, Leonard, and Bambas.
Ehrlich, John, Smith, and Penner.
Henze, Henry R.
Loomis, Eugene C., Ryder, and George.
Long, Loren M.
Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.
Rieveschl, George, Jr.
Rieveschl, George, Jr., and Fleming.
Tillitson, Edward W.
- Parker, Allen J., West Palm Beach, Fla. Cleaning device for fuses and fuse holders. 2,471,236, May 24.

Parker Appliance Company, The, assignee: *See*—

Carbon, Harry B.
Hartley, Emmett C.
Hartley, Emmett C., and Hull.
Hemker, Herman W., and Eppink.
Hull, Henry E.
Hull, Henry E., and Rote.
Hull, Henry E., and Takacs.
Maky, Walter.
Melichar, Joseph F.
Parker, Arthur L.
Parker, Arthur L., and Hartley.
Williams, Eugene D.
Wolfram, John N.
Wolfram, John N., and Hartley.
Wolfram, John N., and Packard.

Parker, Arnold G., Longueuil, Quebec, Canada. Aircraft control system. 2,471,283, May 24.

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,458,874, Jan. 11.

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Emergency repair coupling. 2,478,127, Aug. 2.

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Tube end deforming machine with automatic tube clamping means. 2,480,762, Aug. 30.

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,485,915, Oct. 25.

Parker, Arthur L., deceased, Cleveland; by H. M. Parker, executrix, Shaker Heights, assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,463,196, Mar. 1.

Parker, Arthur L., and E. C. Hartley, assignors to The Parker Appliance Company, Cleveland, Ohio. Indexing mechanism for valves. 2,458,873, Jan. 11.

Parker, Bert A., Boone, Colo. Poultry watering fountain. 2,489,431, Nov. 29.

Parker, Bert A., Boone, Colo. Poultry fountain. 2,491,014, Dec. 13.

Parker, Charles M., Kelford, N. C. Welding mask attachment. 2,469,273, May 3.

Parker, Charles T., assignor to Deere & Company, Moline, Ill. Sorting device for separating articles of different conductivities. 2,467,773, Apr. 19.

Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Shaft bearing. 2,484,725, Oct. 11.

Parker, Edwin E.: *See*—
Warren, Glenn B., and Parker.
Parker, Elbert B., Oklahoma City, Okla. Circle cutting machine. 2,483,229, Sept. 27.

Parker, Elgin R., assignee: *See*—
Maynard, James.

Parker, Elwell Electric Company, The, assignee: *See*—
Cochran, Clyde E.

Parker, Emmett E., Farmington, assignor to Midwest Tool & Manufacturing Company, Detroit, Mich. Fixture for relief grinding of cutting tools. 2,471,339, May 31.

Parker, George E., assignor to Woodward Governor Company, Rockford, Ill. Condition regulating apparatus. 2,478,753, Aug. 9.

Parker, Helen M., executrix: *See*—
Parker, Arthur L.

Parker, Henry C., Washington, D. C. Apparatus for clarifying liquors. 2,473,297, June 14.

Parker, Henry C., Washington, D. C. Dispensing carton. 2,488,323, Nov. 15.

Parker, Humphrey F., Buffalo, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Anti-skid chain link. 2,465,659, Mar. 29.

Parker, Irvine E., Transfer, and T. W. Brydon, Slippery Rock, Pa. Scrubbing machine for fire hose. 2,471,041, May 24.

Parker, Jas. A., assignee: *See*—
Adams, William C.

Parker, James C., Wadesboro, N. C. Illuminating loom parts. 2,483,840, Oct. 4.

Parker, Joseph B., Syracuse, N. Y. Three axis attitude and direction indicator. 2,469,403, May 10.

Parker, Laurie F., Minden, La. Machine for making concrete pipe. 2,467,631, Apr. 19.

Parker, Leland C., Elmira, N. Y., assignor to Bendix Aviation Corporation. Reciprocating electromagnetic motor. 2,468,343, Apr. 26.

Parker, Leland C., Elmira, N. Y., and H. L. McHenry, Sayre, Pa., and J. W. Dickey, Newfield, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Reciprocating electromagnetic motor. 2,481,147, Sept. 6.

Parker, Lenious G., Oakland, Calif. Oil distributing system. 2,458,294, Jan. 4.

Parker, Leon, Glendale, and A. Cole, La Habra, assignors to The H. I. Thompson Company, Los Angeles, Calif. Producing silica fibers and fibrous articles produced thereby. 2,491,761, Dec. 20.

Parker, Lionel D., Barrow-in-Furness, assignor to Vickers-Armstrongs Limited, London, England. Rotary kiln for burning cement, ore, and similar materials. 2,475,754, July 12.

Parker, Louis W., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device and its circuits. 2,477,644, Aug. 2.

Parker, Louis W., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Color television. 2,477,645, Aug. 2.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Regulated radio frequency power supply. 2,485,652, Oct. 25.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Frequency modulation discriminator. 2,489,313, Nov. 29.

Parker, Louis W., Woodside, N. Y. Rotor for axial air gap motors and generators. 2,479,589, Aug. 23.

Parker Manufacturing Company, assignee: *See*—
Brodeur, Robert M.
Soderberg, John A.

Parker, Paul H., assignee: *See*—
Parker, Verlois R.

Parker, Paul T., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of aldehydes by steam oxidation of ethers. 2,477,312, July 26.

Parker Pen Company, The, assignee: *See*—
Mustard, James A.
Randolph, Robert W.
Reynolds, William B.
Tefft, Ivan D.
Zodtner, Harlan H.

Parker, Robert P.: *See*—
Lecher, Hans Z., Parker, and Long.

Parker, Robert P., and R. F. Reeves, Somerville, and R. C. Conn, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of acylnitroarylides. 2,459,002, Jan. 11.

Parker, Roy A., Vergennes, Vt. Lever operated sliding jaw mop holder. 2,486,757, Nov. 1.

Parker, Royce L., Addison, Ill. Steam treating apparatus. 2,462,220, Feb. 22.

Parker Rust Proof Company, assignee: *See*—
Russell, William S.
Ward, Herbert K.

Parker, Samuel P., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Belting. 2,473,607, June 21.

Parker, Samuel P., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Tufting machine. 2,485,163, Oct. 18.

Parker, Sydney M., assignor to Automotive Products Company Limited, Leamington Spa, England. Centering mechanism for aircraft wheel mountings having casting or equivalent motion. 2,462,992, Mar. 1.

Parker, Verlois R., Lunenburg, assignor of one-third to P. H. Parker and one-third to H. H. Hirvonen, Fitchburg, Mass. Receiving antenna. 2,486,872, Nov. 1.

Parker, Warde L., Los Angeles, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Valve actuating means. 2,462,544, Feb. 22.

Parkerson, Donald H., Jr., assignor to A. Bisch, Chicago, Ill. Amusement device. 2,488,930, Nov. 22.

Parkes, Ralph C., assignee: *See*—
Roberts, John E.

Parkhill-Wade, assignee: *See*—
Mitchell, Ora N.

Parkin, John C.: *See*—
Dickinson, Ernest G., and Parkin.

Parkinson, Alexander: *See*—
Haddock, Norman H., Jones, Parkinson, and Rowe.

Parkinson, William, Boston, Mass. Seam roller. 2,467,690, Apr. 19.

Parkman, Jerry P.: *See*—
Bell, Walter H., and Parkman.

Parks, Asbury S., Houston, Tex. Drill stem tester. 2,458,631, Jan. 11.

Parks, John R., and H. Hielen, Giltner, Nebr. Corn picker gathering shoe. 2,471,771, May 31.

Parks, Walter W., Bloomington, Ind. Wire stretcher. 2,484,957, Oct. 18.

Parks & Woolson Machine Co., assignee: *See*—
Hadley, Wilfred N.

Parlante, Frank, Great Neck, N. Y. Shoe with interchangeable uppers. 2,491,930, Dec. 20.

Parmann, Edwin A., assignor to Furnas Electric Company, Batavia, Ill. Welded structure and assembling same. 2,473,660, June 21.

Parmelee, Benjamin J., Wilmington, N. C. Cyclone burner. 2,476,507, July 19.

Parmelee, Benjamin J., Wilmington, N. C. Cyclone burner. 2,483,780, Oct. 4.

Parmelee, Clifford H., and A. J. Briggs, assignors to Onondaga Pottery Company, Syracuse, N. Y. Apparatus for working plastic material. 2,470,638, May 17.

Parmelee, William H., assignee, et al.: *See*—
Gard, Arthur W.

Parmenter, Charles R., Redwood City, Calif. Apparatus for checking circuit continuity and identifying wires. 2,488,556, Nov. 22.

Parmentier, Charles W.: *See*—
Philp, William J., and Parmentier.

Parnell, Edwin H., Sr., Greenville, S. C. Bait casting and trolling lure. 2,462,828, Feb. 22.

Parnell, Frank G., assignor to Automotive Products Company Limited, Leamington Spa, England. Internal shoe drum brake. 2,459,958, Jan. 25.

- Parnell, Walter H., and S. Grabarsky, Brooklyn, N. Y., assignors of one-third to G. Fenster and T. Grabarsky, jointly. Cabinet. 2,488,431, Nov. 15.
- Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,461,173, Feb. 8.
- Parr, Ralph G., and S. D. Parr, Auburn, Wash. Rotary jet-actuated motor. 2,481,235, Sept. 6.
- Parr, Samuel D.: *See—*
Parr, Ralph G. and S. D.
- Parrigin, Frank S., Evansville, Ind. Syringe. 2,482,361, Sept. 20.
- Parris, Doctor J., Gaffney, S. C. Open pan evaporator. 2,479,771, Aug. 23.
- Parris, Doctor J., Gaffney, S. C. Arc soldering iron. 2,487,582, Nov. 8.
- Parrish, Sherman S., Minneapolis, Minn. Putter. 2,472,312, June 7.
- Parrish, Tom E., Beaumont, Tex. Automatic shutoff device. 2,489,461, Nov. 29.
- Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,470,860, May 24.
- Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Compact forced-air heater. 2,474,687, June 28.
- Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion burner for heaters. 2,483,737, Oct. 4.
- Parrod, Jacques, Paris, and V. Armand, Montrouge, assignors to Societe Generale d'Applications Therapeutiques "Theraplix" Paris, France. Making the disodium salt of 2-carboxy-phenyl-sulfuric acid. 2,478,834, Aug. 9.
- Parrott, Robert D.: *See—*
Wise, Raleigh J., and Parrott.
Wise, Raleigh J., Ridings, and Parrott.
- Parrott, Warley L.: *See—*
Gilchrist, Peter S., Jr., and Parrott.
- Parry, Edward C., Ferndale, Wash. Automatic vent. 2,461,392, Feb. 8.
- Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker mechanism for sewing machines. 2,476,061, July 12.
- Parry, Frank, and B. P. Pinkvoss, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Thread-tension device for sewing machines. 2,462,812, Feb. 22.
- Parry, Vernon F., Golden, Colo. Reducing iron ores. 2,470,106, May 17.
- Parsons, Alfred H., Baldwin, N. Y. Building construction. 2,473,216, June 14.
- Parsons, Ben G., Grosse Pointe, assignor to Fuel Charger Corporation, Detroit, Mich. Fuel injector. 2,478,500, Aug. 9.
- Parsons, Ben G., Grosse Pointe, assignor to Fuel Charger Corporation, Detroit, Mich. Fuel injector. 2,481,441, Sept. 6.
- Parsons Corporation, assignee: *See—*
Parsons, John T., and Brogren.
- Parsons, Edna M., executrix: *See—*
Parsons, Fred A.
- Parsons, Elmer C., Brainerd, Minn. Multiple conduit. 2,475,635, July 12.
- Parsons, Fred A., deceased, Milwaukee, Wis., by E. M. Parsons, executrix, Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Pattern controlled machine tool. 2,476,214, July 12.
- Parsons, Harry N., Chicago, Ill., assignor to International Harvester Company. Making ball bearing retainers. 2,480,258, Aug. 30.
- Parsons, J. Howard, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,458,632, Jan. 11.
- Parsons, James A.: *See—*
Morrow, Raymond W., and Parsons.
- Parsons, James L.: *See—*
Baker, Guy A., and Parsons.
- Parsons, James S.: *See—*
Hafford, Bradford C., and Parsons.
- Parsons, John B., assignor to M. W. Fraser, Toledo, Ohio, trustee. Window regulator mechanism for convertibles. 2,466,326, Apr. 5.
- Parsons, John B., Toledo, Ohio. Pressure fluid servomotor. 2,468,943, May 3.
- Parsons, John B., Toledo, Ohio. Regulator mechanism for rear quarter window panels. 2,475,985, July 12.
- Parsons, John B., Toledo, Ohio. Piston and cylinder assembly embodying a solenoid controlled valve. 2,479,398, Aug. 16.
- Parsons, John H., Pontiac, Mich. Retainer-stripper unit for punch presses. 2,468,998, May 3.
- Parsons, John T., and E. R. Brogren, Traverse City, assignors, by mesne assignments, to Parsons Corporation, Detroit, Mich. Process of and apparatus for securing parts to rotor blade spars. 2,483,230, Sept. 27.
- Parsons, John W., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Reaction motor with propellant charge mounted in it. 2,484,355, Oct. 11.
- Parsons and Marine Engineering Turbine Research and Development Association, The, assignee: *See—*
Brown, Thomas W. F.
Yates, Henry G.
- Parsons, Oliver F., assignor to E. A. Spring, Phoenix, Ariz., and T. E. Norman, Denver, Colo. Casting. 2,458,410, Jan. 4.
- Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Damper control. 2,463,494, Mar. 1.
- Parsons, Theophilus, Washington, D. C. Shock absorber for aerial delivery apparatus. 2,484,853, Oct. 18.
- Parsons, Wayne J., Los Angeles, Calif. Plug remover and the like. 2,464,413, Mar. 15.
- Partiot, Maurice, New York, N. Y. Wheeled traveling bag. 2,463,713, Mar. 8.
- Parvin, Matt W., assignee: *See—*
Kirkpatrick, Max B.
- Parzinger, Joseph M., assignor of thirty per cent to M. H. Parzinger, Columbus, Ohio. Emergency generating system for automobiles. 2,470,895, May 24.
- Parzinger, Max H., assignee: *See—*
Parzinger, Joseph M.
- Pascal, Michael W., Shaker Heights, assignor to The Sherwin-Williams Co., Cleveland, Ohio. Recovery of proteins from castor beans. 2,467,402, Apr. 19.
- Pascal, Michael W., Shaker Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Solvent extraction of castor oils. 2,467,403, Apr. 19.
- Pascal, Michael W., Shaker Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Solvent extraction of vegetable oils. 2,467,404, Apr. 19.
- Pascale, Vito R.: *See—*
Harris, Leonard B., and Pascale.
- Paschen, Robert H., Jr., assignee: *See—*
Sieckermann, Harry W.
- Pashby, Robert W., Park Ridge, Ill., assignor to First Industrial Corporation, Wilmington, Del. Adjusting spring mechanisms. 2,490,320, Dec. 6.
- Pashby, Robert W., Park Ridge, Ill., assignor to First Industrial Corporation, Wilmington, Del. Adjusting apparatus for spring mechanism. 2,490,741, Dec. 6.
- Pashoian, Harry G.: *See—*
Sponberg, Albin V., and Pashoian.
- Pastni, Harold C., Fair Lawn, N. J., and G. M. Heckel, Elmhurst, N. Y., assignors to Fairchild Camera and Instrument Corporation. Electrical displacement-resistance contact member and manufacture thereof. 2,468,344, Apr. 26.
- Pask, Stanley J., Long Island City, N. Y., and G. P. Grant, Jr., Lockwood Road, Riverside, Conn., assignors to Grant Photo Products, Inc., New York, N. Y. Gravity operated pivoted shutter and cover blind for cameras. 2,478,309, Aug. 9.
- Pasko, William, Toronto, Ontario, Canada. Producing felt footwear. 2,472,263, June 7.
- Paslay, Le Roy C., assignor to Marine Instrument Company, Dallas, Tex. Surveying geological formations. 2,465,696, Mar. 29.
- Pasquinelli, Bruno B.: *See—*
Peyrebrune, Henri E., and Pasquinelli.
- Pasquinelli, Bruno B., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Transferring sheets. 2,478,053, Aug. 2.
- Pass, Richard H., assignor to Onondaga Pottery Company, Syracuse, N. Y. Land mine. 2,479,861, Aug. 23.
- Pass, Richard H., E. Schramm, Syracuse, and F. T. Rhodes, De Witt, assignors to Onondaga Pottery Company, Syracuse, N. Y. Fuse. 2,464,650, Mar. 15.
- Pass, Sam: *See—*
Lenz, Lionel C.
- Passalacqua, Frank: *See—*
Stareck, Jesse E., and Passalacqua.
- Passelègue, Gilbert, Suresnes, assignor to Société Bernard-Moteurs, Rueil-Malmaison Seine-et-Oise, France. Endless tread tractor and drive transmission therefor. 2,483,473, Oct. 4.
- Passino, Herbert J.: *See—*
McGrath, Henry G., Passino, and Rubin.
- Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Alkylation in the presence of a double fluoride catalyst. 2,459,775, Jan. 18.
- Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Isomerization in the presence of a double fluoride catalyst. 2,489,975, Nov. 29.
- Passino, Herbert J., Englewood, N. J., and J. M. Meyers, New York, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Fractionation of oleaginous materials. 2,467,906, Apr. 19.
- Passman, Charles, New York, N. Y., assignor to S. F. Bowser & Company, Ltd., Toronto, Ontario, Canada. Multiple compartment refrigerator, including controls for the refrigerating system thereof. 2,462,279, Feb. 22.
- Pasternack, Alexander S., Hollis, N. Y. Annunciator for automatic phonographs. 2,463,050, Mar. 1.
- Pasternack, Richard, Islip, N. Y., and P. P. Regna, West New York, N. J., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Separation of penicillins. 2,487,668, Nov. 8.
- Pastl, Alfred J., Chicago, Ill. Dental floss applicator. 2,467,221, Apr. 12.
- Pasturczak, Harry S., East Moline, Ill., assignor of one-half to W. J. Bleasdale, South Bend, Ind. Separable fluid coupling. 2,471,237, May 24.

- Pasznicki, Frank, Hamtramck, Mich. Coat hanger. 2,471,007, May 24.
- Pataki, Ernest: *See*—
Dubin, Lester, and Pataki.
- Patch, Albert C., Topeka, Kans. Self-adjusting collar stay. 2,487,583, Nov. 8.
- Patch, George W., Jr.: *See*—
McCandless, Edward L., Patch, and Ahlstrand.
- Patch, Paul J., assignor to The Rocky Mountain Gas Equipment Company, Denver, Colo. Gas burner and pilot. 2,474,547, June 28.
- Patchett, George W., Chigwell, England. Folding bayonet for firearms. 2,467,270, Apr. 12.
- Patchogue-Plymouth Mills Corporation, assignee: *See*—
Lambert, Ernest E.
- Pate, Carson H., Newark, N. J. Seaplane landing ramp. 2,483,474, Oct. 4.
- Pate, Lawrence A., St. Joseph, Mo. Filter. 2,463,800, Mar. 8.
- "Patelhold" Patentverwertungs- & Electro-Holding A.-G., assignee: *See*—
Favre, Marcel G.
Guanella, Gustav.
Steinmann, Willy.
- Patent Button Company, The, assignee: *See*—
Purinton, Forrest G.
- Patent and Licensing Corporation, The, assignee: *See*—
Robbins, Edward H.
Root, Arthur M., Jr.
Worson, Lee.
- Patent Management, Incorporated, assignee: *See*—
Allison, Ralph E.
- Patentes Talgo, S. A., assignee: *See*—
Omar, Alejandro G.
- Patents, Inc., assignee: *See*—
Colquitt, Odie.
- Patents Limited, C. D., assignee: *See*—
Jones, Walter I. and D. C. R.
- Pateras Pescara, Raul, Lisbon, Portugal. Starting device for free piston engines. 2,463,051, Mar. 1.
- Pateras Pescara, Raul, Lisbon, Portugal. Fuel injection system. 2,463,418, Mar. 1.
- Paternaster, Otto A., Gunston Manor, near Lorton, Va. Plumb knob. 2,492,884, Dec. 27.
- Paterno, Joseph J., Salem, Mass. Terminal protector. 2,484,726, Oct. 11.
- Paterson, John C., Ovenden, Halifax, England. Rotary molding machine for biscuit dough. 2,480,505, Aug. 30.
- Paterson Plastics Co., assignee: *See*—
Marshall, Hamilton L. J.
- Patmore, De Forest C., assignor to E. Long Limited, Orillia, Ontario, Canada. Radial adjusting sprocket. 2,469,665, May 10.
- Patner, Saul, assignee: *See*—
Seiden, Herman L.
- Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Organo-polysiloxanes. 2,469,888, May 10.
- Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Linear methylpolysiloxanes. 2,469,890, May 10.
- Paton, Clyde R.: *See*—
Dolza, John, Trisler, and Paton.
- Paton, Richard T., New York, N. Y. Corneal trephine. 2,473,968, June 21.
- Patremio, Salvatore R., Rochelle Park, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Video black clipper. 2,485,310, Oct. 18.
- Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Polyacetal polysulfide polymers. 2,469,404, May 10.
- Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Preparation of mercaptans. 2,479,542, Aug. 16.
- Patrick, Joseph C., Morrisville, Pa., and H. R. Ferguson, Trenton, N. J., assignors to Thiokol Corporation. Polysulfide polymer. 2,466,963, Apr. 12.
- Patrick, Joseph C., Morrisville, Pa., and H. R. Ferguson, assignors to Thiokol Corporation, Trenton, N. J. Pseudo linear polysulfide polymer. 2,485,107, Oct. 18.
- Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,487,471, Nov. 8.
- Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,487,472, Nov. 8.
- Patrol Valve Company, The, assignee: *See*—
Craver, Albert F., and Vixler.
Friedman, Arthur.
Minnich, Stehman S.
- Patry, Karl J., Baltimore, Md. Dual-action shoe arch. 2,485,506, Oct. 18.
- Patten, Harry B.: *See*—
Holmgren, Eric A., and Patten.
- Patten, Marjorie E., administratrix: *See*—
Holmgren, Eric A., and Patten.
- Patten, Tom C., Houston, Tex. Automatic fishing float. 2,479,399, Aug. 16.
- Patterson, Charles E., Pacific Palisades, assignor to North American Aviation, Inc., Inglewood, Calif. Detachable engine mount and accessory coupling. 2,471,118, May 24.
- Patterson, David E., Philadelphia, Pa. Machine for decorticating fiber-bearing stalks and leaves. 2,480,602, Aug. 30.
- Patterson, Donald G., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Resin for low-pressure paper base laminates and wood surfacing. 2,486,201, Oct. 25.
- Patterson, Edgar W., Downey, Calif. Compensating piston lubricator. 2,464,710, Mar. 15.
- Patterson, Edgar W., and C. D. Spracher, Downey, Calif.; said Spracher assignor to said Patterson. Pumping air in air balanced pumping units. 2,459,334, Jan. 18.
- Patterson, Edward M., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Ignition compositions. 2,478,501, Aug. 9.
- Patterson, Eric, Rockford, Ill. Line tightener. 2,465,473, Mar. 29.
- Patterson Foundry & Machine Co., The, assignee: *See*—
Cawood, Richard L., and Richardson.
- Patterson, Franklin G., Schenectady, N. Y., assignor to General Electric Company. Pulse echo systems and pulse indicating means. 2,461,998, Feb. 15.
- Patterson, George, Seattle, Wash. Fishing rod tip. 2,484,727, Oct. 11.
- Patterson, Glenn A., Davenport, Iowa, and B. S. Kagan, Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y. Air drying tumbler for laundry. 2,486,058, Oct. 25.
- Patterson, Herman W., Cleveland Heights, Ohio. Tissue dispensing container and tissue packs therefor. 2,460,306, Feb. 1.
- Patterson, John A.: *See*—
Ohso, Ernest O., and Patterson.
- Patterson, John A., Beverly, N. J., assignor to Standard Oil Development Company. Separation of hydrocarbons. 2,461,346, Feb. 8.
- Patterson, John A., Westfield, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Distillation of alcohols containing impurities less soluble in water. 2,470,222, May 17.
- Patterson, Louis L., Los Angeles, Calif. Cutter assembly for rotary plows. 2,468,776, May 3.
- Patterson, Louis L., assignor to Automatic Screw Machine Co., Los Angeles, Calif. Cutter assembly for rotary plows. 2,480,419, Aug. 30.
- Patterson, Mamie, administratrix: *See*—
Patterson, William.
- Patterson, Velt C., assignor to York Corporation, York, Pa. Tray for food freezing apparatus. 2,487,584, Nov. 8.
- Patterson, Wallace M., and D. Hammond, Greenwich, Conn., said Patterson assignor to said Hammond. Paper holder and dispenser. 2,487,763, Nov. 8.
- Patterson, Ward S., Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc. Steam separator. 2,485,767, Oct. 25.
- Patterson, William, Birmingham, Ala.; M. Patterson, administratrix of said W. Patterson, deceased, assignor of thirty-three and one-half per cent to C. Denegre, Birmingham, Ala. Weighing and calculating scale. 2,465,330, Mar. 22.
- Patterson, William G., Chicago, Ill. Heat-exchanging blower. 2,481,236, Sept. 6.
- Pattillo, Ivan E., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax separation. 2,484,728, Oct. 11.
- Patton, Benjamin B.: *See*—
Fix, Eugene J., and Patton.
- Patton, Charles C.: *See*—
Harris, Robert A., and Patton.
- Patton, Charles C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conducting bearing. 2,477,139, July 26.
- Patton, Clydis J., Decatur, Ill., assignor to James R. Kearney Corporation, St. Louis, Mo. Fusible connector. 2,489,314, Nov. 29.
- Patton, Harold A., San Carlos, Calif. Kitchen sink and sink assembly. 2,476,215, July 12.
- Patton, John W., Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Seat, especially for rail cars. 2,472,339, June 7.
- Patton, John W., assignor to The Budd Company, Philadelphia, Pa. Sleeping car room arrangement. 2,481,148, Sept. 6.
- Pattullo, Milton D., and R. J. Shanahan, Wilmette, Ill. Journal box seal. 2,487,669, Nov. 8.
- Patts, Nicholas J., Odessa, Tex. Returnable spectacle case. 2,467,984, Apr. 19.
- Patts, Nicholas J., Odessa, Tex. Key holder. 2,467,985, Apr. 19.
- Paul, Alfred, Jr., Paul Spur, Ariz. Cattle spray. 2,480,600, Aug. 30.
- Paul, Alfred, Jr., Paul Spur, Ariz. Livestock dusting apparatus. 2,480,601, Aug. 30.
- Paul, Benjamin F., Elwood, and R. R. Wilkinson, Indianapolis, assignors to Metal Coatings & Manufacturing Company, Inc., Elwood, Ind. Abrasive lubricant supply device. 2,486,322, Oct. 25.
- Paul, Edgar D., Wynnewood, Pa. Adjustable hand rake. 2,481,442, Sept. 6.
- Paul, Frederick J., Fredonia, assignor to Huntley Manufacturing Co., Brocton, N. Y. Machine for removing stems and caps from berries, fruit, and the like. 2,479,961, Aug. 23.
- Paul, Joseph, Milwaukee, Wis. Sanding block. 2,474,064, June 21.

- Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,460,393, Feb. 1.
- Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Di(orthoacetylaminoaryl) disulfide softeners for rubbers. 2,470,945, May 24.
- Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. 2,2'-dithio bis propionanilide softener for rubbers. 2,470,947, May 24.
- Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Di(orthoacetylaminoaryl) disulfide softeners for rubbers. 2,470,948, May 24.
- Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Di(orthoacetylaminoaryl) disulfide softeners for isoocten-diolefin copolymers. 2,470,949, May 24.
- Paul, Philip T., and L. B. Tewksbury, Jr., Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. 2,2'-dithio bis (n-aryl carbamic ester) softeners for rubbers. 2,470,946, May 24.
- Paul, Raymond, and G. J. Roy, Versailles, assignors to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. N-hydrocarbon 3-piperidinols. 2,477,937, Aug. 2.
- Paul, Robert H.: *See—*
Lazarus, William C., Paul, and Rishel.
- Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Scraper for disks of grain drills. 2,489,385, Nov. 29.
- Paulander, Ernst H.: *See—*
Wiberg, Erik A., and Paulander.
- Paules, Lemon B., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Connector for electrical conductors. 2,476,429, July 19.
- Pauly, Frank G., Chatham, N. J. Measurement of electrochemical potentials. 2,483,299, Sept. 27.
- Pauls, William, Washington, D. C. Fruit peeling device. 2,483,930, Oct. 4.
- Paulsen, Christian, Fair Lawn, N. J., assignor to Ditto, Incorporated, Chicago, Ill. Sheet assembling apparatus. 2,476,250, July 12.
- Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,472,228, June 7.
- Paulsen, Jean-Felix, Paris, France. Apparatus for vulcanizing tubular articles. 2,483,709, Oct. 4.
- Paulsen, Neal I., Minneapolis, Minn. Holder for attached collars. 2,488,139, Nov. 15.
- Paulson, Alf M., Milwaukee, Wis. Scaffold construction. 2,479,962, Aug. 23.
- Paulson, Augustus J., Treveose, Pa. Abrading machine. 2,484,583, Oct. 11.
- Paulson, Bernard J., Waukesha, Wis. Hydropneumatic power plant. 2,484,183, Oct. 11.
- Paulson, Roy E., near Kirkland, Wash. Saw setting machine. 2,467,595, Apr. 19.
- Paulus, Charles L., Dayton, Ohio. Selective fluid valve. 2,476,320, July 19.
- Paulus, Charles L., Dayton, Ohio. Catapult. 2,489,315, Nov. 29.
- Paulus, William, Buffalo, and E. V. Schaal, East Aurora, assignors to Trico Products Corporation, Buffalo, N. Y. Journaling a shaft in a bushing. 2,480,043, Aug. 23.
- Paun, Louie R., Granton, Wis. Vibration eliminating support for steering columns. 2,469,075, May 3.
- Paupa, Joseph, Chicago, Ill. Golf game. 2,463,197, Mar. 1.
- Pavelle Color Incorporated, assignee: *See—*
Linde, Walter L.
Rabinowitz, Jacob.
- Pavesi, Louis, and F. F. Rodoni, San Francisco, Calif. Device to form teeth in the edge of a knife. 2,471,699, May 31.
- Pavia, Hector, Allentown, Pa. Ballbase shuttle tip. 2,465,920, Mar. 29.
- Pavitt, Frederick J., and H. H. Matthews, Brighton, England. Electric motor controller. 2,492,395, Dec. 27.
- Pavlack, Joseph C., Chicago, Ill. Rack for knives. 2,479,181, Aug. 16.
- Pavlic, Albert A.: *See—*
Barrick, Paul L., and Pavlic.
- Pavlic, Albert A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making thiols. 2,467,222, Apr. 12.
- Pavlic, Albert A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonanolic acid. 2,470,859, May 24.
- Pavlish, Arnold E.: *See—*
Browne, William H., and Pavlish.
- Pawel, George W., Norris, Tenn. Production of ferro-nickel. 2,468,103, Apr. 26.
- Pawlansky, Sam, Chicago, Ill., now by judicial change of name, Sam Women Sam. Laundry drying rack. 2,481,443, Sept. 6.
- Paxhia, Emanuel F., Kenmore, and G. M. Cash, Hamburg, N. Y., assignors to Curtiss-Wright Corporation. Aircraft landing gear. 2,478,705, Aug. 9.
- Paxman, Edward P., Colchester, England. Construction of internal-combustion engines. 2,464,711, Mar. 15.
- Paxton, Donald D., Burbank, Calif., assignor to Adel Precision Products Corp. Valve mechanism. 2,470,368, May 17.
- Paxton, John W., Bloomington, and I. R. Cornish, Elmhurst, Ill. Appliance supporting attachment for desks. 2,480,668, Aug. 30.
- Paxton, William A., Detroit, Mich. Flush type latching device. 2,461,393, Feb. 8.
- Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for bending tubing into serpentine coils and sweep mechanism and stop therefor. 2,469,405, May 10.
- Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for making sinuous bends in long workpieces. 2,474,276, June 28.
- Payne, Arthur W., and A. M. Wallace, assignors to Bundy Tubing Company, Detroit, Mich. Apparatus for bending tubing into serpentine coils and sweep mechanism and index therefor. 2,469,406, May 10.
- Payne, Frank E., Glencoe, Ill. Seal adaptor. 2,462,280, Feb. 22.
- Payne, Frank E., Glencoe, Ill. Single convolution rubber sealing element. 2,464,988, Mar. 22.
- Payne, Frank E., Glencoe, Ill. Shaft seal with "O" ring. 2,464,989, Mar. 22.
- Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Double seal. 2,472,264, June 7.
- Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Self-contained fluid seal. 2,480,506, Aug. 30.
- Payne, Harold S.: *See—*
Landis, George G., and Payne.
- Payne, Herbert, New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Fault detector for transmission lines. 2,459,239, Jan. 18.
- Payne, John F.: *See—*
Rusch, Robert F., and Payne.
- Payne, John H., Jr., Ballston Spa, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Remote-control manipulator. 2,476,249, July 12.
- Payne, John W.: *See—*
Lechthaler, Charles H., Payne, and Valas.
Simpson, Thomas P., Payne, and Crowley.
- Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Contacting gases with a solid contact material. 2,458,411, Jan. 4.
- Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for contacting gases with a solid material. 2,458,412, Jan. 4.
- Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heat-treating particle-form solid adsorbents. 2,472,776, June 7.
- Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heavy gravity liquid separation of porous catalyst. 2,483,372, Sept. 27.
- Payne, John W., and J. M. Johnson, Woodbury, and E. A. Bodkin, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparing extruded gels. 2,480,669, Aug. 30.
- Payne, John W., and C. H. Lechthaler, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Heat-treating and drying particle-form absorbent solids. 2,492,132, Dec. 27.
- Payne, L. M., Company, assignee: *See—*
Payne, Lambert M.
- Payne, Lambert M., assignor to L. M. Payne Company, Detroit, Mich. Auxiliary control device for thermostatic valves. 2,469,930, May 10.
- Payne, Lawrence A., Seattle, Wash. Arbor mounting means. 2,478,310, Aug. 9.
- Payne, Lawrence A., Seattle, Wash. Stopper. 2,479,862, Aug. 23.
- Payne, Michael A., Baton Rouge, La., assignor to Standard Oil Development Company. Olefin extraction process. 2,463,902, Mar. 8.
- Payne, Nellie M. C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Insecticidal use of fluoroacetamide. 2,469,340, May 3.
- Payne, P. M., & Company, assignee: *See—*
Payne, Pearson M.
- Payne, Pearson M., assignor to P. M. Payne & Company, Denver, Colo. Separable mold and refractory trough assembly. 2,461,999, Feb. 15.
- Payne, Ronald J. M.: *See—*
Murphy, Alfred J., and Payne.
- Payne, Victor D., Jr., assignee: *See—*
House, Samuel G.
- Payne, Viron E., Mather Field, Calif. Adjustable resistor. 2,481,682, Sept. 13.
- Payne, Viron E., Mather Field, Calif. Variable resistor. 2,484,117, Oct. 11.
- Payne, W. Harvey, & Co., assignee: *See—*
Payne, William H.
- Payne, Willard A., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of formaldehyde. 2,467,223, Apr. 12.
- Payne, William H., Hinsdale, assignor to W. Harvey Payne & Co., Chicago, Ill. Electric pump. 2,473,726, June 21.
- Payne, William H., Lytle, Tex. Melon tongs or carrier. 2,490,467, Dec. 6.

- Paynter, Earl F., Franklinville, N. Y. Lever actuated remotely controlled drag saw. 2,488,432, Nov. 15.
- Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Electric butt-welding metallic container seams. 2,472,848, June 14.
- Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Apparatus for electrically welding container seams. 2,472,849, June 14.
- Payot, Charles, assignee: *See*—Ruchti, Charles.
- Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Steel for plastic mold dies and articles made therefrom. 2,478,420, Aug. 9.
- Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Heat and corrosion resisting alloy steel. 2,484,903, Oct. 18.
- Payton, Andy L., Bristol, Tenn. Molding sander. 2,479,506, Aug. 16.
- Payzer, Stanley D., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Apparatus for handling chipper knives. 2,470,261, May 17.
- Payzer, Stanley D., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Handling chipper knives. 2,470,262, May 17.
- Peabody, Howard B., Lake Forest, assignor to The Pioneer Company, Chicago, Ill. Double-acting solenoid for control of model railroad switches. 2,473,661, June 21.
- Peachman, Mary E., assignee: *See*—Elder, Esther R.
- Peacock, George W., Sr.: *See*—Peacock, Thomas W. and G. W.
- Peacock, Thomas W.: *See*—Price, John E., and Peacock.
- Peacock, Thomas W. and G. W., Sr., assignors of one-half to J. E. Price, Jacksonville, Fla. Root rake. 2,491,058, Dec. 13.
- Peake, Clarence W., Baltimore, and E. M. Glocker, Catonsville, Md., assignors of three-fourths to said Peake and one-fourth to said Glocker. Basic bismuth para amino benzoate. 2,492,710, Dec. 27.
- Peake, Graham B., assignee: *See*—Dibrell, Elisabeth.
- Peake, John S., assignor to The Dow Chemical Company, Midland, Mich. Mechanical method for grain refining magnesium alloys. 2,472,757, June 7.
- Peake, John S., Bloomington, Ind., and F. E. Robbins, assignors to The Dow Chemical Company, Midland, Mich. Treatment of magnesium-base alloys. 2,472,025, May 31.
- Peale, Rembrandt, Jr.: *See*—Peale, Richard, and Rembrandt.
- Peale, Richard, Clearfield, Pa., and R. Peale, Jr., Greenwich, Conn., assignors to themselves, as trustees. Mining and loading coal. 2,479,132, Aug. 16.
- Pearce, Albert F., Hampton Hill, assignor to Electric & Musical Industries Limited, Middlesex, England. Hollow resonator discharge device. 2,469,240, May 3.
- Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Heating circuit for different voltages. 2,480,337, Aug. 30.
- Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,486,873, Nov. 1.
- Pearce, George W., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Manual switch. 2,464,184, Mar. 8.
- Pearce, Harold, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Ophthalmic camera with adjustable light support. 2,478,545, Aug. 9.
- Pearce, James M., West Palm Beach, Fla. Haircutting cloth. 2,463,198, Mar. 1.
- Pearce, Owen A.: *See*—McClell, John W., and Pearce.
- Pearce, Owen A., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system having code call facilities. 2,491,903, Dec. 20.
- Pearce, William J., Arlington, Mass. Apparatus for preventing overspeeding. 2,468,459, Apr. 26.
- Pearl, Irwin A.: *See*—Lewis, Harry F., and Pearl.
- Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Production of vanillic acid. 2,458,295, Jan. 4.
- Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Preparing vanillic acid. 2,483,559, Oct. 4.
- Pearl, Irwin A., and L. E. Wise, Appleton, Wis., assignors, by mesne assignments, to The Institute of Paper Chemistry. Preparing phenolic materials from lignin. 2,482,594, Sept. 20.
- Pearlstein, Joseph: *See*—Katzen, Raphael, and Pearlstein.
- Pearlstein, Norman, Roxbury, Mass., assignor to Massachusetts Leather Products Company. Nose block for spectacle cases. 2,464,149, Mar. 8.
- Pearsall, Frank M., Jr., Merrick, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulsing circuit. 2,489,926, Nov. 29.
- Pearse, Daniel S., Wild Horse, Colo. Loader attachment for tractors. 2,458,195, Jan. 4.
- Pearson, Alan H., assignor to Pearson, Inc., Detroit, Mich. Vehicle cooling apparatus using carbon dioxide. 2,475,755, July 12.
- Pearson, Charles B., Huntington Park, and G. R. Sandstrom, Los Angeles, Calif., assignors to Hughes Tool Company, Houston, Tex. Flexible feed chute. 2,477,264, July 26.
- Pearson, Edward, Bradford, assignor to The English Electric Company, Limited, London, England. Motor control relay. 2,484,244, Oct. 11.
- Pearson, Elmer C., St. Louis Park, Minn. Grip attachment for golf putters. 2,481,778, Sept. 13.
- Pearson, Emil S., Portland, Oreg. Flexible locking coupling. 2,469,516, May 10.
- Pearson, Frank A., assignor to Eagle Signal Corporation, Moline, Ill. Cycle timer. 2,469,341, May 3.
- Pearson, Frank G., Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Acrylonitrile-vinylidene chlorofluoride copolymers. 2,460,844, Feb. 8.
- Pearson, Gullick, St. Paul, Minn. Clothesline tightening apparatus. 2,490,154, Dec. 6.
- Pearson, Inc., assignee: *See*—Pearson, Alan H.
- Pearson, John H.: *See*—Calfee, John D., and Pearson.
- Pearson, John H., Manhasset, and H. D. Segool, Flushing, N. Y., assignors to Allied Chemical & Dye Corporation. Heavy metal nicotinyl fluosilicates. 2,490,705, Dec. 6.
- Pearson, Paul C., Jr.: *See*—Bludworth, Joseph E., and Pearson, Jr.
- Pearson, Paul E., New York, N. Y., and R. M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Can body blank folding apparatus with yieldable knee joint for actuating the folder. 2,487,365, Nov. 8.
- Pearson & Pearson, assignee: *See*—Stuer, Joseph.
- Pearson, Reuben A.: *See*—Ralston, Hurley D., and Pearson.
- Pearson, Roy W.: *See*—Mallett, Dewin A., and Pearson.
- Pearson, S. O., assignee: *See*—Miller, Frederick H.
- Pearson, Walter L., Mobile, Ala. Disconnectible ball bearing. 2,464,712, Mar. 15.
- Pease, Marshall C., Boston, Mass., assignor to the United States of America as represented by the Secretary of War. Circuit for determining carrier frequencies of frequency modulated signals. 2,478,311, Aug. 9.
- Pease, Reginald M., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission controlling device for wave guides. 2,474,688, June 28.
- Peasley, Fremont W., Sunnysvale, Calif. Guitar bar or steel having a rotating contact face. 2,485,108, Oct. 18.
- Peat, Thomas D., New York, N. Y. Lathe attachment. 2,462,126, Feb. 22.
- Peatross, Erin B., Washington, D. C. Fender protector. 2,460,394, Feb. 1.
- Peavey, Harry N., Aberdeen, Md., assignor, by mesne assignments, to Levelor Corporation. Leveler. 2,476,381, July 19.
- Peberdy, Roland, assignor to The Bentley Engineering Company Limited, Leicester, England. Knitting machine and patterning mechanism therefor. 2,463,639, Mar. 8.
- Peberdy, Roland, assignor to The Bentley Engineering Company Limited, Leicester, England. Feeder mechanism for circular knitting machines. 2,477,495, July 26.
- Pecchinetti, Domingo, Mendoza, Argentina. Valve device for liquid heaters. 2,475,249, July 5.
- Peche, William, assignee: *See*—Jungnerich, Frank L.
- Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Polymeric compositions. 2,464,056, Mar. 8.
- Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparing vinyl esters of polycarboxylic acids. 2,472,434, June 7.
- Peck, David B.: *See*—Markarian, Moushy, and Peck.
- Peck, Edward B., Elizabeth, N. J., assignor to Standard Oil Development Company. Two-zone fluidized destructive distillation process. 2,480,670, Aug. 30.
- Peck, Edward B., Elizabeth, and D. G. Tomkins, Summit, N. J., assignors to Standard Oil Development Company. Fluidized shale autothermic distillation. 2,471,119, May 24.
- Peck, Edward I.: *See*—Chute, Robert J., and Peck.
- Peck, Ernest L., Erie, Pa. Loader for revolvers. 2,470,182, May 17.
- Peck, Gordon V., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Motor starting capacitor assembly. 2,460,903, Feb. 8.
- Peck, Harry D., assignee: *See*—Murdock, Frederick D., and De Angelis.
- Peck, Henry, Rockwall, Tex. Air pressure indicator. 2,481,864, Sept. 13.
- Peck, Kenneth L., Pleasantville, N. Y. Mooring device. 2,477,265, July 26.

- Peck, Kenneth L., and R. F. Balmer, U. S. Navy, Philadelphia, Pa., said Balmer assignor to said Peck. Adjustable mooring cable. 2,472,026, May 31.
- Peck, Robert L., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Complex salts of streptothricin. 2,474,758, June 28.
- Peck, Robert L., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Penillamine G hydrohalides and producing the same. 2,488,737, Nov. 22.
- Pecker, Joseph S., Los Angeles, Calif. Instrument for rotary wing aircraft. 2,469,780, May 10.
- Pecker, Joseph S., Philadelphia, Pa. Boundary layer control and air compressor for rotary wing aircraft. 2,464,651, Mar. 15.
- Peckham, Arthur C., Watertown, N. Y. Corrective and protective knee brace. 2,467,907, Apr. 19.
- Peckinpaugh, Thomas L., Downey, Calif., assignor to Transit Freese, Inc., Reno, Nev. Collapsible refrigerated tray. 2,475,513, July 5.
- Peckinpaugh, Thomas L., Downey, Calif., assignor to Transit Freese, Inc., Reno, Nev. Workman's sanitary garment. 2,492,003, Dec. 20.
- Pecoroni, Valentine W., Bridgeport, Conn., and R. B. Gethmann, Fayetteville, N. Y., assignors to General Electric Company. Forming coil assemblies. 2,479,400, Aug. 16.
- Pecott, Bertha A., administratrix: *See*—
Pecott, Jeremiah A.
- Pecott, Jeremiah A., deceased, by B. A. Pecott, administratrix, Lawrence, Mass. Hand loom. 2,469,128, May 3.
- Peden, Douglas T., Ann Arbor, assignor to Micromatic Hone Corporation, Detroit, Mich. Abrasive article. 2,467,094, Apr. 12.
- Pedersen, Axel V., Los Angeles, Calif. Wood joint. 2,475,046, July 5.
- Pedersen, Axel V., Los Angeles, Calif. Arches or top chord construction. 2,478,421, Aug. 9.
- Pedersen, Charles J.: *See*—
Hamilton, Lyle A., and Pedersen;
- Pedersen, Charles J., and F. B. Downing, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of pentaerythrityltetramine with beta-diketones and beta-hydroxy methylene ketones. 2,462,668, Feb. 22.
- Pedersen, Hayes N., Racine, Wis. Stabilizable bicycle. 2,462,769, Feb. 22.
- Pedersen Norman L., Los Angeles, Calif. Locking device. 2,476,561, July 19.
- Pedersen, William W., assignor to The Dow Chemical Company, Midland, Mich. Lubricating grease. 2,486,674, Nov. 1.
- Pedersen, William W., Cleveland Heights, Ohio, assignor to Dow Corning Corporation, Midland, Mich. Manufacture of inorganic fibrous laminate. 2,492,498, Dec. 27.
- Pedrick, Edward J., Quitman, Ga. Dental fluoroscopic device. 2,465,263, Mar. 22.
- Pedro, Philip J., Shreveport, La. Steak mold. 2,484,460, Oct. 11.
- Peebles, Chad A., Newaygo, Mich. Lifting device. 2,488,826, Nov. 22.
- Peebles, Edward J.: *See*—
White, Joseph C., Baldwin, Peebles, and Power.
- Peek, James R.: *See*—
Polye, William R., and Peek.
- Peek, Robert L., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive transducer. 2,468,837, May 3.
- Peek, Robert L., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical winding. 2,488,325, Nov. 15.
- Peek, Willard E., San Antonio, Tex. Bicycle trailer coupling. 2,468,894, May 3.
- Peel, Wirt D., Oakland, Calif. Seed extractor. 2,485,653, Oct. 25.
- Peeler, Daniel J., assignor of one-half to R. Jesclard, New Orleans, La. Nonsweat toilet tank and flush valve seat. 2,488,232, Nov. 15.
- Peelle Company, The, assignee: *See*—
Croker, Arthur W., and Doeg.
- Peenstra, Richard G., Utica, N. Y. Folding sled. 2,472,920, June 14.
- Peeples, Aldrich M., assignor, by mesne assignments, to H. H. Hull, Jacksonville, Fla. Rake with removable tine. 2,468,376, Apr. 26.
- Peeples, James W., Dadeville, Ala. Electrical control system and operation. 2,462,546, Feb. 22.
- Peeples, Maurice E., Kingsland, Ga., assignor to Kingsland Saw Works, Inc. Combined saw handle and square. 2,492,591, Dec. 27.
- Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Apparatus for heating and circulating spray material. 2,461,766, Feb. 15.
- Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 2,462,419, Feb. 22.
- Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray nozzle. 2,466,182, Apr. 5.
- Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 2,470,718, May 17.
- Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun nozzle. 2,479,507, Aug. 16.
- Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Material delivery device. 2,488,985, Nov. 22.
- Peer, Edward S., assignor to Filtrol Corporation, Los Angeles, Calif. Production of ammonium alum from acid liquors. 2,467,271, Apr. 12.
- Peerless Equipment Company, assignee: *See*—
Nelson, Robert M.
- Peerless of America, Inc., assignee: *See*—
Askin, Joseph.
- Peerless Tool & Engineering Co., assignee: *See*—
Kailer, Louis G.
- Peerless Trailer and Truck Service, Inc., assignee: *See*—
Van Raden, Harvey B.
- Peerless Wire Goods Co., Inc., assignee: *See*—
Schilling, Ernest W., and Bramblett.
- Peery, Norman E.: *See*—
Voge, Hervey H., Greensfelder, and Peery.
- Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Hydrocarbon conversion process. 2,470,263, May 17.
- Peery, Walter E., Morristown, N. J. Screw and nut bed actuator. 2,481,477, Sept. 6.
- Peet, Alexander, Luton, England. Gas-fired water heater. 2,465,697, Mar. 29.
- Peet, Nick P., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of metal compounds from oil feed to fluid catalyst cracking. 2,472,723, June 7.
- Pégard, Marcel, Paris, France. Axially engaging positive clutch for machine-tools. 2,488,231, Nov. 15.
- Pégard, Marcel, Paris, France. Device for indicating the movements to be executed by machine tools. 2,488,324, Nov. 15.
- Peglow, Albert H., Milwaukee, Wis. Jack accessory. 2,462,418, Feb. 22.
- Peirce, Charles P., assignee: *See*—
Petroff, Merlin O., and Straub.
- Peirce, George A., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating gypsum obtained as a by-product of phosphoric acid manufacture. 2,485,164, Oct. 18.
- Peirce, Thomas H., Detroit, Mich., assignor to H. A. King, San Marino, Calif. Damping torsional vibrations in internal-combustion engines. 2,477,081, July 26.
- Peirce, Walter T., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Electric cable. 2,462,770, Feb. 22.
- Peirce, Willis M., Lehighton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Vertical retort smelting of zinciferous materials. 2,492,438, Dec. 27.
- Peirce, Willis M., Lehighton, R. K. Waring and L. D. Fetterolf, Palmerton, Pa., assignors, by mesne assignments, to Quebec Iron and Titanium Corporation, New York, N. Y. Titaniferous material for producing titanium dioxide. 2,476,453, July 19.
- Peiler, Karl E.: *See*—
Cannon, Madison M., Jr., and Peiler.
- Pejois, Louis G. A., Asnières, assignor to P. Rabanit, Paris, France. Viewing apparatus. 2,474,159, June 21.
- Pelan, John S., Plainfield, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y. Wall thickness indicator. 2,474,320, June 28.
- Pelcé, Henri, assignor to Société dite: Saint Freres (Société Anonyme), Paris, France. Shuttle-guiding device in circular looms. 2,473,172, June 14.
- Pelcé, Henri, assignor to Société dite: Saint Freres (Société Anonyme), Paris, France. Device for combing warp threads in circular weaving looms. 2,477,082, July 26.
- Peles, Julius S., New York, N. Y. Birdproofing. 2,458,727, Jan. 11.
- Peles, Julius S., New York, N. Y. Birdproofing. 2,475,047, July 5.
- Pelikan, George, Brooklyn, and G. R. Munro, Massapequa, assignors to Waugh Equipment Company, New York, N. Y. Draft gear. 2,486,975, Nov. 1.
- Pell, Eric: *See*—
Douglas, John F. H., Pell, and Seeger.
Hunter, Richard B., and Pell.
- Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Dynamoelectric machine controller. 2,469,440, May 10.
- Pell, Eric, Shorewood, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Alternating-current motor drive and control. 2,467,986, Apr. 19.
- Pell, Oliver, Control Limited, assignee: *See*—
Oliver, George F. N.
- Pellar, Sidney H., Chicago, Ill. Highway safety marking device. 2,489,499, Nov. 29.
- Pellé, Pierre, Arcueil, France. Start-stop regenerative repeater. 2,474,490, June 28.
- Pelletier, Charles E., Suncook, N. H. Filling catcher. 2,482,363, Sept. 20.
- Pelletier, Dominique J., Fall River, Mass., assignor of fifty per cent to H. D. Levesque, Tiverton, R. I. Field square barrel. 2,465,816, Mar. 29.
- Pelmarsh, Joseph, Milwaukee, Wis. Sinkers. 2,459,959, Jan. 25.
- Pelmulder, Chester, Sebastopol, Calif. Multiplex signalling system. 2,479,020, Aug. 16.
- Pelo, Carl, Helsingfors, Finland. Accelerator for the breechblock of automatically loading firearms. 2,476,622, July 19.

- Pelo, Carl, Helsingfors, Finland. Cartridge magazine with pivoted cover. 2,488,233, Nov. 15.
- Pelphrey, Harry, Detroit, and J. Martin, Ferndale, assignors to Michigan Tool Company, Detroit, Mich. Machine for forming gears. 2,469,310, May 3.
- Pelson, Ernest, assignee: *See*—
Bates, Lawrence G.
- Peltier, Frank D., Horsham, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator, including an evaporator and ice cube tray arrangement for cooling the food storage compartments. 2,478,312, Aug. 9.
- Peltier, Frank D., Jenkintown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator. 2,480,763, Aug. 30.
- Peltier, Leslie C., assignor to The Delphos Bending Company, Delphos, Ohio. Infant's chair. 2,470,834, May 24.
- Pelton, George E., Middleburg, assignor to I. S. Pelton, Round Hill, Va. Ribbon feeding and inking mechanism for typing machines. 2,471,238, May 24.
- Pelton, Harold P., Diamond Springs, Calif. Tray for automobile dashboards. 2,480,304, Aug. 30.
- Pelton, Ida S., assignee: *See*—
Pelton, George E.
- Pelton Water Wheel Company, The, assignee: *See*—
Kyle, Samuel C.
Rued, Fred H.
- Pelzer, Harry L., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of gasoline. 2,463,903, Mar. 8.
- Pelzer, Harry L., Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,461,172, Feb. 8.
- Pelzer, Harry L., Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y. Process and apparatus for the regeneration of hydrocarbon conversion catalyst. 2,477,345, July 26.
- Pelzer, Harry L., Steger, Ill., and K. M. Watson, Madison, Wis., assignors to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,464,257, Mar. 15.
- Pemberton, Edgar S., Banstead, assignor to British Industrial Solvents, Limited, London, England. Production of acetarylides. 2,462,221, Feb. 22.
- Pemberton, Max E.: *See*—
Bull, Eric W., and Pemberton.
- Pen Rod Company, The, assignee: *See*—
Espenship, Abram C.
- Penau, Henry, and G. Hagemann, assignors to Usines Chimiques des Laboratoires Français, et par abréviation U. S. L. A. F., Paris, France. Calciferol chaulmoograte and process. 2,484,526, Oct. 11.
- Penberthy Injector Company, assignee: *See*—
Yoder, Howard D.
- Pencek, Anton J., Monessen, Pa. Cord holder for irons. 2,487,585, Nov. 8.
- Pendergast, Maurice D., Algonac, assignor to Winning Pendergast, Detroit, Mich. Feed grinder. 2,467,691, Apr. 19.
- Pendergast, Winning, assignee: *See*—
Pendergast, Maurice D.
- Pendleton, Eleanor E., St. Louis, Mo. Retainer for spectacles. 2,481,946, Sept. 13.
- Pendleton, Ernest E., Oklahoma City, Okla., and H. C. League, Joplin, Mo., assignors of one-sixth to C. E. Ziegler, Sapulpa, Okla., and one-sixth to I. E. Dissinger, Joplin, Mo. Belt installing tool. 2,475,459, July 5.
- Pendleton, James B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Floating heat exchanger support. 2,475,109, July 5.
- Pendleton, Wesley W., L. J. Berberich, and I. R. Smith, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,484,245, Oct. 11.
- Penfield, Charles S., Bakersfield, assignor to Shell Development Company, San Francisco, Calif. Drilling fluid composition. 2,481,339, Sept. 6.
- Penfold, Charles S., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical connection means. 2,458,097, Jan. 4.
- Penfold, Robert J., Pasadena, Calif. Wrist watch band. 2,481,865, Sept. 13.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Casing head. 2,460,238, Jan. 25.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Packer for wells. 2,464,713, Mar. 15.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Packer for wells. 2,474,491, June 28.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Joint sealing means for well heads. 2,480,955, Sept. 6.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Well head assembly. 2,481,035, Sept. 6.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Producing equipment for wells. 2,488,931, Nov. 22.
- Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Valve assembly. 2,488,932, Nov. 22.
- Penick & Ford, Ltd., Incorporated, assignee: *See*—
Kesler, Carl C., and Hicks.
- Penick, Joe E.: *See*—
Dart, Jack C., Kuhn, Jr., Penick, and Wagner.
- Penick, S. B., & Company, assignee: *See*—
Baron, Abraham L.
- Penjaska, Paul A., Owosso, Mich. Modified plug gauge. 2,462,545, Feb. 22.
- Penn, Alfred J.: *See*—
Barlow, Benjamin W., and Penn.
Penn, George R., Danville, Va. Cigarette holder. 2,466,269, Apr. 5.
- Penn Electric Switch Co., assignee: *See*—
Bender, Paul.
Maire, Edward B.
Rothwell, John J., and Schell.
Wagner, Leland B.
- Penn Industrial Instrument Corporation, assignee: *See*—
Heinz, Winfield B., Kittredge, and Williams.
Melas, William, and Heinz.
- Penn, William A., Marinette, Wis. Automobile seat headrest. 2,490,088, Dec. 6.
- Pennebaker, Frank M.: *See*—
Hardie, Charles A., and Pennebaker.
- Pennell, Ford, assignor to Jane Booth Pennell, Webster Groves, Mo. Wire connector. 2,458,413, Jan. 4.
- Pennell, Ford, assignor to J. B. Pennell, Webster Groves, Mo. Hoist. 2,480,303, Aug. 30.
- Pennell, Jane B., assignee: *See*—
Pennell, Ford.
- Pennell, Ruth E., Chelan, Wash. Device for splicing dough. 2,489,667, Nov. 29.
- Pennell, William C., Saugus, Mass., assignor to General Electric Company. Traffic control system. 2,465,115, Mar. 22.
- Pennella, Samuel, Pompton Lakes, N. J. Leak stopper for condenser tubes. 2,484,904, Oct. 18.
- Penner, Mildred A.: *See*—
Ehrlich, John, Smith, and Penner.
- Penney, Clarence J., New York, N. Y. Container for dentifrices. 2,477,200, July 26.
- Penney, Gaylord W., and G. W. Hewitt, Pittsburgh, assignors to Westinghouse Electric Company, East Pittsburgh, Pa. Electrostatic dust precipitator. 2,476,903, July 19.
- Penney, James H.: *See*—
Formhals, William H., and Penney.
- Penniman, Ira B.: *See*—
Barnes, Jean C., and Penniman.
- Penning, Frans M.: *See*—
Verburg, Cornelis, and Penning.
- Penning, Frans M., and C. Verburg, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for generating ultra high-frequency oscillations by means of a discharge tube. 2,467,153, Apr. 12.
- Pennington, Clyde F., assignor of one-half to H. M. Marshall, Wichita, Kans. Nail stripper. 2,480,764, Aug. 30.
- Pennington, Fern R., Paris, Ill. Ladder bracket. 2,488,984, Nov. 22.
- Pennington, John T., Alexandria, Va. Multiplex photographic equipment support. 2,461,567, Feb. 15.
- Pennington, Neal A., Tucson, Ariz., assignor of one-fifth to R. H. Henley, Tiptonville, Tenn., and one-fourth to R. S. Hoar, South Milwaukee, Wis. Air conditioning apparatus. 2,464,766, Mar. 15.
- Pennington, Thomas D., Bridgeton, N. J. Inclinator. 2,482,504, Sept. 20.
- Pennington, William A.: *See*—
Reed, Winston H., and Pennington.
- Pennington, William A., Buckingham, Va. Differential anesthesia valve. 2,485,842, Oct. 25.
- Penno, Glenn J., Longmont, assignor to Tornado Manufacturing Company, Inc., Denver, Colo. Sand blast gun. 2,487,366, Nov. 8.
- Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beacon light. 2,462,222, Feb. 22.
- Pennsylvania Crusher Company, assignee: *See*—
Keiper, Edwin H.
- Pennsylvania Engineering Corporation, assignee: *See*—
McFeaters, Harry L.
- Pennsylvania Furnace and Iron Company, assignee: *See*—
DeFrees, Joseph H.
- Pennsylvania Industrial Chemical Corporation, assignee: *See*—
Burroughs, Samuel G.
Corkery, Frank W., and Burroughs.
Corkery, Frank W., and Church.
- Pennsylvania Pump & Compressor Company, assignee: *See*—
Nathan, Ellis.
- Pennsylvania Railroad Company, The, assignee: *See*—
Hengstler, John.
Keller, William M.
McKinney, Rex R.
Smith, Spencer V.
Steins, Carleton K.
Steins, Carleton K., and Hoke.
- Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Abbott, Frederick C.
Bruce, Everett A., and Hagerman.
Gall, John F.
Gall, John F., and Miller.
Garverich, Edwin S.

- Pennsylvania Salt Manufacturing Company, The, assignee: *See*—Continued.
 Panepinto, Frank W.
 Plump, Ralph E.
 Sprauer, Jerome W.
 Pennsylvania Transformer Company, assignee: *See*—
 Dornbush, Herbert W.
 Penny, Thomas, Brinstage, Bebington, England, assignor to Lever Brothers Company, Cambridge, Mass. Method and apparatus for treating soap products. 2,490,089, Dec. 6.
 Penon, René, Saint-Cloud, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva, Paris, France. Manufacture of mercury-containing, gas-filled electric discharge apparatus. 2,491,874, Dec. 20.
 Penon, René, St. Cloud, and P. Lamaigre-Voreaux, Paris, France, assignors to General Electric Company. Electrode coating process. 2,473,900, June 21.
 Pensabene, Nicolo, Bridgewater, England, assignor to Sealed Motors Corporation, New York, N. Y. Magnetic coupling. 2,488,827, Nov. 22.
 Pensabene, Peter, New York, N. Y. Resilient jaw type fastener. 2,464,414, Mar. 15.
 Pensak, Louis: *See*—
 Law, Russell R., and Pensak.
 Pensak, William, assignee: *See*—
 Wines, Elmer J.
 Pensyl, Daniel S.: *See*—
 Barrow, Wilmer L., Pensyl, and Micher.
 Pentecost, Horace T., Renton, near Seattle, Wash. Helicopter adapted to be attached to a pilot. 2,461,347, Feb. 8.
 Pentecost, Horace T., Renton, near Seattle, Wash. Helicopter of the coaxial wing type. 2,461,348, Feb. 8.
 Pentecost, Horace T., Renton, near Seattle, Wash. Control mechanism for helicopters with coaxial rotors. 2,486,059, Oct. 25.
 Pentecost, Horace T., A. W. Bliler, D. Nicholls, and W. Archer, Jr., near Seattle, Wash., assignors to Boeing Airplane Company. Aircraft rotor drive. 2,475,293, July 5.
 Penton, Edgar W., Fairfax County, Va. Navigation signal system. 2,458,414, Jan. 4.
 Penty, William P.: *See*—
 Thompson, Joseph J., and Penty.
 People in the Territory of the United States, dedicated to the free use of the, assignee: *See*—
 Baechler, Roy H.
 Black, John E.
 Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
 Fitzgerald, Lawrence C.
 Flynn, Theodore P., and Coldwell.
 Gertler, Samuel I.
 Holaday, Horace A.
 Mesavage, Clement.
 Munger, Thornton T., and Kachin.
 Sherman, William M.
 Stamm, Alfred J.
 Stamm, Alfred J., and Turner.
 Wood, John L., and Du Vigneaud.
 Peoples Company, The, assignee: *See*—
 Peoples, Edward M.
 Peoples, Edward M., assignor to The Peoples Company, Huntington, W. Va. Rod clamp or the like. 2,473,217, June 14.
 Peoples, James A., Jr., R. Scheib, Jr., and R. C. Goertz, Hempstead, N. Y., assignors to The Sperry Corporation. Servo system and control thereof. 2,466,041, Apr. 5.
 Pepin, Nelson J., Lowell, Mass. Motor mounting attachment. 2,471,120, May 24.
 Peple, Gustave A., Jr., Richmond, Va., Bank of Commerce and Trusts, executor of said G. A. Peple, Jr., deceased. Damper. 2,487,367, Nov. 8.
 Peppel, William J., Lodi, N. J., assignor to The Givaudan Corporation. Preparation of 2-nonenic acid. 2,488,557, Nov. 22.
 Pepper, Carl P.: *See*—
 Gorske, Stanley F., and Pepper.
 Pepper, Carl P., Plainfield, assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Engine starter mechanism. 2,480,507, Aug. 30.
 Pepper, Carl P., Plainfield, assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Torque release clutch. 2,484,185, Oct. 11.
 Pepperell Manufacturing Company, assignee: *See*—
 Russell, Frank H.
 Peralta, Roberto J., Mexico City, Mexico. Fuse plug of regenerable type. 2,458,296, Jan. 4.
 Percy, Joseph H., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Process and apparatus for photocatalytic reactions. 2,462,669, Feb. 22.
 Perdue, Dwight J., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Feeding apparatus for straightening machines. 2,484,729, Oct. 11.
 Perelman, Albert A.: *See*—
 Johnson, Gerald C., and Perelman.
 Peremi, Edmund, Bayside, and H. Welmann, Yonkers, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Window construction. 2,473,298, June 14.
 Pereny, Louis, Dayton, Ohio. Hair fastener. 2,465,746, Mar. 29.
 Perez, Alicia, Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction of cottonseed oil. 2,485,916, Oct. 25.
 Pérez, José G., assignor of one-fifth to I. Satanowsky and one-fifth to M. A. Marques de Silva, Buenos Aires, Argentina. Line drawing device. 2,490,600, Dec. 6.
 Perfect Brassiere Company, Inc., assignee: *See*—
 Rubinstein, Abraham.
 Perfect Circle Corporation, assignee: *See*—
 Brenneke, Arthur M.
 Teator, Donald H.
 Perfection Manufacturing Corporation, assignee: *See*—
 Dinesen, Laurits.
 Perfection Steel Body Company, The, assignee: *See*—
 Metzger, Louis.
 Perfection Stove Company, assignee: *See*—
 Chadwick, Lee S.
 Resek, Marc.
 Resek, Marc, and Townley.
 Perfex Corporation, assignee: *See*—
 Frerer, Paul G.
 Geisel, Arthur F.
 Malone, Homer E.
 Miller, Wayland R., and Malone.
 Perfume Spray Products Corp., assignee: *See*—
 Rapoport, Arthur M.
 Perhach, Allen A., assignor of one-half to W. A. Kitchen, Lorain, Ohio. Ship's door and frame. 2,490,321, Dec. 6.
 Perhaps, Leslie, North Hollywood, Calif. Variable-speed drive. 2,474,789, June 28.
 Periman, Glenn W., Los Angeles, Calif. Pliers. 2,458,725, Jan. 11.
 Periman, Glenn W., assignor to Aircraft Tools, Inc., Los Angeles, Calif. Automatic clamp. 2,466,909, Apr. 12.
 Perin, Donald W.: *See*—
 Lampton, Glen T., and Perin.
 Perish, Peter W.: *See*—
 Dolza, John, Gaubatz, Perish, and Kerfoot.
 Périssé, Richard, Paris, France. Internal-combustion engine. 2,459,960, Jan. 25.
 Perkerson, Fred S., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Bonding of rubber to fibrous materials. 2,482,931, Sept. 27.
 Perkerson, Fred S., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Adhesion of rubber to fibrous materials. 2,486,720, Nov. 1.
 Perkin-Elmer Corporation, The, assignee: *See*—
 Baker, James G.
 Baker, James G., and Szegho.
 White, John U.
 White, John U., and Fraser.
 Perkins, Albert G., Warsaw, N. Y. Alarm device for milking machines. 2,461,439, Feb. 8.
 Perkins, Clyde A., San Lorenzo, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Ethylene polysulfide polymer lubricant. 2,474,859, July 5.
 Perkins, Ervin L.: *See*—
 Herdle, Lloyd E., and Perkins.
 Perkins, Frank K., Newton, C. S. Tarr and W. L. Morey, Melrose, and C. W. Merriam, Jr., Taunton, Mass. Ship's stability indicator. 2,492,178, Dec. 27.
 Perkins, Henry G., assignor to Hammond Machinery Builders, Kalamazoo, Mich. Belt polishing and grinding machine. 2,489,811, Nov. 29.
 Perkins, Hiram A., deceased, late of Rochester, N. Y., by Stuart L. Perkins, Rochester, N. Y., and Madeleine P. Hathaway, Essex County, N. J., executors, assignors to Setter Bros., Inc., Cattaraugus, N. Y. Web feeding and cutting machine. 2,471,447, May 31.
 Perkins, Holloway W., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Drilling mud. 2,491,437, Dec. 13.
 Perkins, John R., Wayne, Maine. Handle for screw drivers or the like. 2,479,508, Aug. 16.
 Perkins, Julian L., assignor to Perkins Machine and Gear Company, West Springfield, Mass. Drive mechanism. 2,473,816, June 21.
 Perkins, Layton E., assignor of one-half to F. G. Fetzer, Milwaukee, Wis. Retriever for submerged articles. 2,479,021, Aug. 16.
 Perkins, Loya B., Lufkin, Tex. Electromagnetic coupling device. 2,465,602, Mar. 29.
 Perkins Machine and Gear Company, assignee: *See*—
 Deloghia, Louis E.
 Oakley, John.
 Perkins, Julian L.
 Perkins, Melvin A., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Chlorinated hydrocarbon. 2,485,507, Oct. 18.
 Perkins, Stuart L., executor: *See*—
 Perkins, Hiram A.
 Perkins, Wallace W., Pleasant Ridge, and A. W. Fischer, assignors to General Motors Corporation, Detroit, Mich. Directional gyroscope. 2,491,204, Dec. 13.
 Perley, George A., Wyncote, Pa., assignor to United States of America as represented by the Secretary of the Navy. Thermometric instrument for measuring impregnity in cloth. 2,477,526, July 26.

- Perlin, Maurice, assignee: *See*—
Bierman, Hyman.
- Perlitch, Leea M., New York, N. Y. Combined waist and petticoat. 2,492,396, Dec. 27.
- Perlman, Henry S.: *See*—
Ruhnke, Edward J., and Perlman.
- Perlow, Gilbert J., and G. A. Johnson, Washington, D. C. Light intensity regulation. 2,477,646, Aug. 2.
- Perma Realty Co., assignee: *See*—
Gabriel, Gustave O.
- Permanente Metals Corporation, The, assignee: *See*—
Adams, Earl W.
Austin, Leslie W., Hicks, and Rick.
Austin, Leslie W., and Rhodes.
Byrns, Alva C.
Byrns, Alva C., and Porter.
Byrns, Alva C., and von Strohm.
Church, Howard.
Coates, Geoffrey E.
Foster, Thomas W. F.
Lohse, Fred.
McBride, Gerald I.
Porter, John L.
Rhoades, Donald A.
Van Loenen, William F.
Vettel, Arthur W.
- Permodux Corporation, assignee: *See*—
Gilman, Wayne H.
Gilman, Webster E.
Gilman, Webster E., and Bierman.
- Permo-Seal Plastics Corporation, assignee: *See*—
Kriegsheim, William.
- Permutit Company, The, assignee: *See*—
Lawrence, Franklin I. L.
Mindler, Albert B.
Nachod, Frederick C., and Wood.
Pick, Eric.
Prescott, William G., Akeroyd, and Holmes.
- Perotte, Lawrence F.: *See*—
Faus, Harold T., and Perotte.
- Perper, Lloyd J.: *See*—
Moseley, Francis L., and Perper.
- Perrault, Ainslie and L., Tulsa, Okla. Apparatus for treating pipes. 2,471,580, May 31.
- Perrault, Lewis: *See*—
Perrault, Ainslie and L.
- Perrelli Freestone Machine, Inc., assignee: *See*—
Perrelli, Joseph, and J.
- Perrelli, John: *See*—
Perrelli, Joseph and J.
- Perrelli, Joseph and J., assignors to Perrelli Freestone Machine, Inc., Richmond, Calif. Apparatus for halving and pitting apricots. 2,474,492, June 28.
- Perret, William R., Vicksburg, Miss., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Pressure measuring device. 2,486,976, Nov. 1.
- Perri, Angelo, Groveland, assignor to Allied Shoe Machinery Corp., Haverhill, Mass. Sole-cementing machine. 2,471,397, May 24.
- Perri, Frank B.: *See*—
Du Grenier, Francis C., and Perri.
- Perri, Joseph M., West Chester, assignor to National Foam System, Inc., Philadelphia, Pa. Stabilized foam-forming composition. 2,470,719, May 17.
- Perrill, Harlan K., Oakland, Calif. Hydraulic pulsator system. 2,466,908, Apr. 12.
- Perrin, Francis: *See*—
Goldstein, Ladislav, and Perrin.
- Perrin, Tom S., Painesville, Ohio, and R. A. Seybert, U. S. Army, assignors to Diamond Alkali Company, Cleveland, Ohio. Production of flux for magnesium and magnesium base alloys. 2,486,433, Nov. 1.
- Perrine, Robert O., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control of shunt field generators. 2,487,172, Nov. 8.
- Perrine, Robert O., Wauwatosa, W. Richter, Whitefish Bay, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Motor control system. 2,487,171, Nov. 8.
- Perruca, Felix, Saint-Etienne, assignor to Societe des Fabrications Unicum, Paris, France. Torque loader for variable speed friction gears. 2,466,964, Apr. 12.
- Perry, Bernard A., House Springs, Mo. Drum structure. 2,485,985, Oct. 25.
- Perry, Charles G. and J. G., Irondequoit, N. Y. Game scoring device. 2,492,592, Dec. 27.
- Perry, Charles H., Coral Gables, Fla.; M. E. Perry, administrator of said C. H. Perry, deceased. Spray and rotated lawn sprinkler. 2,488,234, Nov. 15.
- Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Electric controller. 2,473,256, June 14.
- Perry, Clarence, Santa Ana, Calif. Saw-file holder and guide. 2,460,189, Jan. 25.
- Perry, Claude A., Olton, assignor to The Birmingham Small Arms Company Limited, Small Heath, Birmingham, England. Cartridge case retriever for firearms. 2,476,904, July 19.
- Perry, Claude A., Olton, R. D. Wackrow, Handsworth, Birmingham, and A. S. Urry, Shirley, assignors to The Birmingham Small Arms Company Limited, Small Heath, Birmingham, England. Breech mechanism for firearms. 2,476,905, July 19.
- Perry, Daniel D., Bainbridge, assignor to Bendix Aviation Corporation, New York, N. Y. Gasket. 2,469,474, May 10.
- Perry, David G., Dayton, Ohio. Hydraulic brake. 2,479,133, Aug. 16.
- Perry, Edmund: *See*—
Koonce, Samuel, and Perry.
- Perry, Eugene L., assignor to Paper Plastic Products Corporation, Bloomfield, N. J. Apparatus for forming sheet products from paper pulp. 2,484,047, Oct. 11.
- Perry, Frederick S., Clifton Gardens, Sydney, New South Wales, Australia, and J. A. Huskinson, assignors of one-third to Woodward Grosvenor & Company Limited, Kidderminster, England. Rewinding gear for bobbins and other yarn carriers. 2,458,021, Jan. 4.
- Perry, George L.: *See*—
Barnum, Emmett R., and Perry.
- Perry, George L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Organic lubricant composition. 2,459,717, Jan. 18.
- Perry, George R.: *See*—
Fiegel, William J., and Perry.
- Perry, John F., Jr., Chester, Pa. Tea bag and buffet tongs. 2,484,461, Oct. 11.
- Perry, John G.: *See*—
Perry, Charles G. and J. G.
- Perry, Leslie K., Las Vegas, Nev. Universal float inclinometer. 2,484,730, Oct. 11.
- Perry, Lloyd M., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Adhesive compositions. 2,462,029, Feb. 15.
- Perry, Murrell E., administrator: *See*—
Perry, Charles H.
- Perry, Thomas M.: *See*—
Busacker, John W., and Perry.
- Perry, Thomas M., Bennington, Vt., assignor to the United States of America as represented by the Secretary of the Navy. Setback switch. 2,458,479, Jan. 4.
- Perry, William A.: *See*—
Merrill, David R., and Perry.
- Perry, William E.: *See*—
Arnold, Michael H. M., and Perry.
- Perryman, William H., Alpine, Tex. Clothes hanger. 2,483,781, Oct. 4.
- Person, Ben H., Runnells, Iowa. Hog oiler. 2,486,611, Nov. 1.
- Person, Per B., Ramsey, Mich. Automobile distributor ignition assembly. 2,489,812, Nov. 29.
- Personal Products Corporation, The, assignee: *See*—
Bonham, Lewis F.
Ganz, Henry.
- Persons, Charles A., Worcester, Mass. Spring supporting construction for cycle saddle seats. 2,467,632, Apr. 19.
- Persson, Gunnar J., Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Anode tube for ionic valves for high-voltage static current converters. 2,468,836, May 3.
- Persson, Gunnar J., Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Securing means for electrical high vacuum vessels. 2,482,433, Sept. 20.
- Persson, Henry, Bloomfield, N. J. Nut breaking tool. 2,482,025, Sept. 13.
- Persson, Henry, assignor to T. G. Persson, Bloomfield, N. J. Leveling support. 2,487,827, Nov. 15.
- Persson, Tage G., assignee: *See*—
Persson, Henry.
- Perugia, André, Paris, France, assignor to I. Miller & Sons, Inc., Long Island, N. Y. High-heel shoe. 2,465,817, Mar. 29.
- Perwas, Ludwig F., Bronx, N. Y. Powder dispensing toothbrush holder. 2,474,860, July 5.
- Perwas, Ludwig F., Bronx, N. Y. Fountain pen. 2,476,321, July 19.
- Perwas, Ludwig F., Bronx, N. Y. Fountain pen pumping element. 2,489,976, Nov. 29.
- Pescara, Raul P., assignee: *See*—
Horgen, Helge B.
- Peschke, Carl, Detroit, Mich. Overhead trolley conveyer. 2,480,956, Sept. 6.
- Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Apparatus for electroplating metal. 2,465,747, Mar. 29.
- Pessell, Ysak, assignee: *See*—
Cowan, John V.
- Pest Control Limited, assignee: *See*—
Tapp, Ernest T. J., and Davey.
- Pesta, Joseph J., New York, N. Y. Combination love seat and bed. 2,489,105, Nov. 22.
- Pestardini, Joseph M., Staten Island, N. Y. Fluorescent lamps fed by direct current. 2,484,246, Oct. 11.
- Pestynier, Philip, Jamaica, assignor to Ty-Master Corporation, New York, N. Y. Collapsible tie rack. 2,474,436, June 28.

- Peter, Gustave C., Wauwatosa, Wis. Combined baffle and oil supply means for oil burners. 2,458,916, Jan. 11.
- Peter, Gustave C., Wauwatosa, Wis. Combustion apparatus. 2,459,583, Jan. 18.
- Peter-Schmidt Corporation, The, assignee: *See*—Schmidt, Francis J.
- Petering, Harold G., Kalamazoo, and W. H. Petering, Detroit, Mich., assignors to Research Corporation, New York, N. Y. Provintamin A. 2,482,635, Sept. 20.
- Petering, Wilbur H.: *See*—Petering, Harold G. and W. H.
- Peterman, Harry A. R., Chicago, Ill. Auto vacuum cleaner. 2,461,174, Feb. 8.
- Peters, Adolf M., Cold Spring on the Hudson, N. Y. Slicing machine. 2,479,182, Aug. 16.
- Peters, Brice G., Baltimore, Md. Apparatus for dehumidification. 2,471,376, May 24.
- Peters, Carl, Dearborn, Mich. Involute form dresser. 2,476,322, July 19.
- Peters, Charles R., assignor to National Automatic Tool Company, Inc., Richmond, Ind. Machine tool. 2,486,977, Nov. 1.
- Peters-Dalton, Inc., assignee: *See*—Fenn, Orrin E.
- Peters, Elwyn H., L. F. Engelhardt, and J. L. Brierton, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Anti-icing means for aircraft. 2,473,387, June 14.
- Peters, Frederick, Hollywood, Calif. Apparatus for the game of tug of war. 2,485,768, Oct. 25.
- Peters, Harry F., Haddonfield, N. J., assignor to Sun Oil Company, Philadelphia, Pa. Catalytic reaction apparatus. 2,475,855, July 12.
- Peters, Helen M., assignee: *See*—Peters, Leo.
- Peters, Henry E., Akron, Ohio. Unit ignition system. 2,478,128, Aug. 2.
- Peters, Henry P., Lester, Iowa. Gauge for laying asphalt shingles. 2,470,183, May 17.
- Peters, Jerry M., Walker, Mo. Lens holder for projector enlargers and cameras. 2,469,781, May 10.
- Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Can body making machine. 2,468,777, May 3.
- Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Cutoff mechanism. 2,484,854, Oct. 18.
- Peters, John G.: *See*—Smith, Herschel G., Cantrell, and Peters.
- Peters, Layman R., Peru, Ind. Motor-driven pump. 2,478,706, Aug. 9.
- Peters, Leo, assignor, by mesne assignments, of two-thirds to L. Peters and one-third to H. M. Peters, Evanston, Ill. Package wrapper. 2,469,204, May 3.
- Peters, Leslie J.: *See*—Lowber, David D., and Peters.
- Peters, Leslie M.: *See*—Castner, Robert C., and Peters.
- Van de Griendt, Gerald H., and Peters.
- Peters, Lewey: *See*—Morris, Harry J., and Peters.
- Peters, Lewis E., Beverly Shores, assignor to Raymond M. Price and Associates, Inc., Chesterton, Ind. Illuminated sign with ventilating means therefor. 2,465,034, Mar. 22.
- Peters, Melville F.: *See*—Rittenhouse, John, and Peters.
- Peters, Melville F., Beltsville, Md., and J. J. Phillips, Irvington, assignors, by mesne assignments, to Titeflex, Inc., Newark, N. J. Electric conductor. 2,462,993, Mar. 1.
- Peters, Melville F., East Orange, N. J. Ignition system. 2,483,428, Oct. 4.
- Peters, Peter J., Langley, Wash. Reel and cable brake. 2,489,432, Nov. 29.
- Peters, Philip H., Jr.: *See*—Langmuir, Robert V., and Peters.
- Peters, Philip H., Jr., Schenectady, N. Y., assignor to General Electric Company. Frequency controllable magnetron system. 2,490,007, Nov. 29.
- Peters & Russell, Inc., assignee: *See*—Russell, Linus E.
- Peters, Tom J., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Cleaning flues. 2,465,921, Mar. 29.
- Peters, Vladimir: *See*—Landis, George G., and Peters.
- Peters, William G., Oak Park, Ill. Stroke-adjusting mechanism. 2,490,881, Dec. 13.
- Petersen, Charles A.: *See*—Applegate, Walter N., and Petersen.
- Petersen, George M., Cleveland, Ohio. Outdoor theatre loudspeaker support post. 2,473,173, June 14.
- Petersen, Heinrich A. W., Fort Myers, Fla. Fuel oil engine. 2,465,116, Mar. 22.
- Petersen, Heinrich A. W., Fort Meyers, Fla., assignor to Peterson and Kelley Corporation, Berkeley, Calif. Hydraulic pump. 2,481,613, Sept. 13.
- Petersen, Jack W.: *See*—Johnson, William S., Petersen, and Gutsche.
- Petersen and Kelley Corporation, assignee: *See*—Petersen, Heinrich A. W.
- Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Cooler. 2,483,738, Oct. 4.
- Petersen, Nels H., assignor to Addison-Semmes Corporation, Racine, Wis. Material packaging. 2,476,623, July 19.
- Petersen, Ove, Gentofte, Denmark. Two stroke internal-combustion engine. 2,464,652, Mar. 15.
- Petersen, Ove, Gentofte, Denmark. Cooling, cylinder, jacket and head construction. 2,487,368, Nov. 8.
- Petersen Oven Company, The, assignee: *See*—Stroman, Jack L.
- Petersen, Paul E., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Intermittent discharge induction melting furnace. 2,464,714, Mar. 15.
- Petersen, Peter F., Los Angeles, Calif. Expansion valve. 2,486,060, Oct. 25.
- Petersen, Reynold C., De Witt, Iowa. Stilt. 2,477,893, Aug. 2.
- Petersen, Simon J., assignor to Imperial Products, Inc., Miami, Fla. Valve grinding machine or device. 2,480,259, Aug. 30.
- Petersen, William, De Witt, Nebr. Sliding-jaw, lever, and rack actuated wrench. 2,481,866, Sept. 13.
- Peterson, Adolphe C., Minneapolis, Minn. Air-conditioning and heating means. 2,481,149, Sept. 6.
- Peterson, Albert C., Park Ridge, assignor to Union Special Machine Company, Chicago, Ill. Motor and clutch unit. 2,481,867, Sept. 13.
- Peterson, Amos J., Berwyn, assignor to Club-Aluminum Products Co., Chicago, Ill. Filter unit for coffee makers. 2,475,986, July 12.
- Peterson, Anna, executrix: *See*—Peterson, Edward G.
- Peterson, Arthur G., St. Paul, Minn. Depth sounder. 2,464,715, Mar. 15.
- Peterson, Arthur L., Long Beach, Calif. Manually operated heavy duty shears. 2,487,473, Nov. 8.
- Peterson, Arthur S., and C. K. Johnson, Elwood, Conn., assignors to Anemostat Corporation of America, New York, N. Y. Nozzle. 2,470,519, May 17.
- Peterson, Bernhart M., Minneapolis, Minn. Rotatable game board. 2,481,779, Sept. 13.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin replenishing mechanism for looms. 2,463,904, Mar. 8.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin holding means. 2,466,861, Apr. 12.
- Peterson, Carl D., A. H. Deimel, and C. H. Wolcott, assignors to Dana Corporation, Toledo, Ohio. Slip clutch power take-off unit. 2,459,092, Jan. 11.
- Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Angle drive torque converter transmission. 2,459,093, Jan. 11.
- Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Transmission mechanism. 2,459,094, Jan. 11.
- Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Fluid seal. 2,463,714, Mar. 8.
- Peterson, Carl D., A. H. Deimel, and E. W. Zingsheim; M. F. Peterson, executrix of said C. D. Peterson, deceased, assignors to Dana Corporation, Toledo, Ohio. Synchronizing clutch. 2,467,987, Apr. 19.
- Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Power shift and control for change-speed gearings. 2,479,183, Aug. 16.
- Peterson, Carl D., and R. R. Burkhalter, assignors to Dana Corporation, Toledo, Ohio. Synchronizing clutch construction. 2,479,184, Aug. 16.
- Peterson, Carl D., and E. J. Barth, assignors to Dana Corporation, Toledo, Ohio. Shiftable synchronizing clutch member. 2,483,841, Oct. 4.
- Peterson, Carl D., and A. H. Deimel, M. F. Peterson, executrix of said C. D. Peterson, deceased, assignors to Dana Corporation, Toledo, Ohio. Axially engaging opposed clutch. 2,485,214, Oct. 18.
- Peterson, Carl O., assignor to Marlin Rockwell Corporation, Jamestown, N. Y. Seal for rotatable members. 2,467,049, Apr. 12.
- Peterson, Charles V.: *See*—Andree, John O., and Peterson.
- Peterson, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Panoraming tripod head. 2,461,175, Feb. 8.
- Peterson, Colquitt, Tampa, Fla. Mold for concrete steps. 2,474,321, June 28.
- Peterson, Constantine M., Sausalito, Calif. High-tension terminal housing. 2,488,065, Nov. 15.
- Peterson, Dana, Newton, Mass. Container cap. 2,472,436, June 7.
- Peterson, Dana, Oakland, Calif. Measuring ruler. 2,472,229, June 7.
- Peterson, Dell R., Douglaston, N. Y. Fragrance emitting device. 2,465,474, Mar. 29.
- Peterson, Donald C., Graceville, Minn. Double-acting pawl. 2,477,140, July 26.
- Peterson, Donald W.: *See*—Brown, George H., and Peterson.
- Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Indicating device. 2,458,634, Jan. 11.
- Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Radio-frequency rotating joint. 2,465,922, Mar. 29.

- Peterson, Durey H., assignor to Raymond Laboratories, Inc., St. Paul, Minn. Cream hair treating preparations. 2,464,281, Mar. 15.
- Peterson, Edward G., Rockford, Ill.; A. Peterson, executrix of said E. G. Peterson, deceased. Sanding and polishing machine shoe. 2,488,098, Nov. 15.
- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Wire recording system. 2,472,435, June 7.
- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Radio switching system. 2,475,675, July 12.
- Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Loud-speaking telephone set with low acoustic coupling. 2,483,231, Sept. 27.
- Peterson, Edwin F., Kewanee, Ill. Machine vibrator. 2,480,603, Aug. 30.
- Peterson, Egon M., Cambridge, Mass. Runner vehicle. 2,475,250, July 5.
- Peterson, Eric O., Bridgeport, and E. W. Forstrom, Stratford, Conn., assignors to General Electric Company. Tuning device. 2,475,636, July 12.
- Peterson, Eric W., Spring Lake, Mich. Line printer device for duplicating machines. 2,473,070, June 14.
- Peterson, Eric W., Muskegon, Mich., and J. J. Camphouse, Oak Park, assignors to Ditto, Incorporated, Chicago, Ill. Coating and moistening mechanism for duplicating apparatus. 2,482,636, Sept. 20.
- Peterson, Ernest C.: See—
McKenna, William J., and Lessels, and Peterson.
- Peterson, Frank C., Locona, C. Z. Spiral cam adjustable socket wrench. 2,460,766, Feb. 1.
- Peterson, George, Seattle, Wash. Locking means for folding table legs. 2,478,502, Aug. 9.
- Peterson, George D., Cannon Falls, Minn. Snow scooter. 2,487,173, Nov. 8.
- Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover for looms. 2,475,987, July 12.
- Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread system for weft replenishing looms. 2,482,689, Sept. 20.
- Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread control system for weft replenishing looms. 2,482,690, Sept. 20.
- Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover for weft replenishing looms. 2,482,691, Sept. 20.
- Peterson, Glen, Tulsa, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for geophysical exploration. 2,479,772, Aug. 23.
- Peterson, Glenn C., Mokena, Ill. Nonvacuum cylinder housing for combines. 2,487,941, Nov. 15.
- Peterson, Gust W., Los Angeles, Calif. Turbine pump type hydraulic coupling. 2,462,225, Feb. 22.
- Peterson, Gustaf J., Rockford, assignor to Odin Corporation, Chicago, Ill. Power press and fluid control circuit therefor. 2,480,159, Aug. 30.
- Peterson, Hans P., Manchester, assignor to The Bush Manufacturing Company, Hartford, Conn. Defroster for evaporators. 2,492,397, Dec. 27.
- Peterson, Harold A., Madison, Wis., assignor to General Electric Company. Electric computer. 2,489,106, Nov. 22.
- Peterson, Harold E.: See—
Boekenogen, Isaac E., Peterson, and Sach-Rowitz.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Pulse system. 2,458,633, Jan. 11.
- Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna construction. 2,478,313, Aug. 9.
- Peterson, Harold P., Raritan Township, Middlesex County, N. J. Instrument for post-mortem fingerprinting. 2,460,652, Feb. 1.
- Peterson, Harold R., and F. H. Jock, Flint, Mich. Electric motor drive and control for wheel chairs. 2,482,203, Sept. 20.
- Peterson, Henry J., Webster City, Iowa. Animal trap. 2,466,270, Apr. 5.
- Peterson, Howard B.: See—
Jacobs, Samuel S., and Peterson.
- Peterson, Howard B., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Can flange straightening machine. 2,490,832, Dec. 13.
- Peterson, John E., assignor to Glass Block Spacer Guide, Inc., Chicago, Ill. Bearing and spacing guide member for glass block construction. 2,483,560, Oct. 4.
- Peterson, John T., administrator: See—
Scott, George C., Oltman, and Peterson.
- Peterson, Karl O., Kansas City, Mo., assignor of one-half to V. H. Doyle, Leonardville, Kans. Adjustable cutter and feeder assembly for harvesters. 2,469,241, May 3.
- Peterson, Karl O., Kansas City, Mo., assignor of one-half to V. H. Doyle, Leonardville, Kans. Auger conveyer unit for harvesters. 2,476,265, July 12.
- Peterson, Leroy E., and S. L. Dart, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Production of artificial fibers. 2,484,014, Oct. 11.
- Peterson, Liss C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency electronic device. 2,484,643, Oct. 11.
- Peterson, Marion F., executrix: See—
Peterson, Carl D., and Deimel.
- Peterson, Carl D., Deimel, and Zingsheim.
- Peterson, Nils V., assignor to Telefonaktiebolaget L M Ericson, Stockholm, Sweden. Device for reduction of cross talk between different lines at switches for distribution of programs. 2,467,494, Apr. 19.
- Peterson, Norman R.: See—
Hooker, George W., and Peterson.
- Peterson, Olaf J., Zumbrota, Minn. Corn drier. 2,483,324, Sept. 27.
- Peterson, Oliver H., Charles City, Iowa, assignor to Dr. Salsbury's Laboratories. Chemotherapeutic preparation. 2,480,104, Aug. 30.
- Peterson, Oscar C.: See—
Miller, Harry G., and Peterson.
- Peterson, Oscar C., West Allis, Wis. Locomotive driving wheel center. 2,488,877, Nov. 22.
- Peterson, Oscar L., Prentice, Wis. Fishing kit belt. 2,475,914, July 12.
- Peterson, Oscar R., Oakland, and R. A. Peterson, San Leandro, Calif. Brake mounting and control. 2,471,346, May 24.
- Peterson, R. F., assignee: See—
Clair, Louis C.
- Peterson, Robert A.: See—
Peterson, Oscar R. and R. A.
- Peterson, Robert A., San Leandro, Calif. Bulldozer. 2,485,407, Oct. 18.
- Peterson, Robert E., Danvers, assignor to Submarine Signal Company, Boston, Mass. Apparatus for echo distance measurement. 2,458,415, Jan. 4.
- Peterson, Robert E., Los Angeles, Calif., assignor to Repeter Products, Inc., Long Island City, N. Y. Portable lighter and the like. 2,482,794, Sept. 27.
- Peterson, Robert H.: See—
Carr, Edward W., and Peterson.
- Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 2,480,877, Sept. 6.
- Peterson, Ruben O., University Heights, and V. K. Charvat, Lakewood, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Brush. 2,465,396, Mar. 29.
- Peterson, Rudy I.: See—
Kennison, Haven, and Peterson.
- Peterson, Russell G., Minneapolis, Minn. Collapsible casket table for automobiles. 2,460,712, Feb. 1.
- Peterson, Seth H., assignor to J. & L. Tool & Findings Co., Attleboro, Mass. Cuff link. 2,476,562, July 19.
- Peterson, Stavros F., New London, Conn. Food cutting and pressing machine. 2,490,980, Dec. 13.
- Peterson, Thor M., assignee: See—
De Rooy, Edward F.
- Peterson, Vincent C. J., Forty Fort, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Splice. 2,463,199, Mar. 1.
- Peterson, Vincent C. J., York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Wire rope splice. 2,482,204, Sept. 20.
- Peterson, Vincent C. J., York, and H. M. Wilson, Bear Creek, Pa., assignors to American Chain & Cable Company, Inc., Bridgeport, Conn. Wire rope splice. 2,461,079, Feb. 8.
- Peterson, Walter H.: See—
McAllister, Sumner H., Anderson, and Peterson.
- Peterson, Walter P., Chicago, Ill. Abrading device. 2,459,893, Jan. 25.
- Peterson, Warren S., New Kensington, Pa., and C. B. Willmore, Batavia, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Producing beryllium fluoride. 2,487,270, Nov. 8.
- Peterson, Willard D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing 2,4-dihydrobenzenesulfonic acid. 2,487,586, Nov. 8.
- Peterson, William B., Jr., assignor to Pacific Can Company, San Francisco, Calif. Noncircular can seaming head. 2,467,154, Apr. 12.
- Petho, John A., Perkiomenville, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Slipper bearing. 2,460,361, Feb. 1.
- Petit, Jean F. G., assignor to Societe d'Exploitation de Brevets, Paris, France. Commutator electric machine. 2,480,305, Aug. 30.
- Petke, Frederick E., Cincinnati, Ohio, assignor to Sterling Drug Inc., New York, N. Y. Polyamine resinous composition and an ink make therefrom. 2,461,918, Feb. 15.
- Petkewitz, Carl F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,484,584, Oct. 11.
- Petrus, Frank P., Masury, Ohio. Simulated masonry wall. 2,482,556, Sept. 20.
- Petrasko, Harry O., assignor to James Manufacturing Company, Fort Atkinson, Wis. Barn gutter cleaner. 2,467,988, Apr. 19.
- Petre, Edmund J., Armonk, N. Y. Adjustable radius rule. 2,491,330, Dec. 13.
- Petre, John N., assignor to Park Metalware Company, Inc., Orchard Park, N. Y. Tool kit. 2,487,174, Nov. 8.

- Petre, John N., Orchard Park, N. Y., and J. O. Olsen, Lakewood, Ohio, assignors to Park Metalware Company, Inc., Orchard Park, N. Y. Chuck. 2,476,762, July 19.
- Petre, John R.: *See*—
Brenner, Robert W., and Petre.
- Petre, John R., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Stretching and drying device. 2,487,175, Nov. 8.
- Petri, Clarence R., Miami, Fla. Doughnut machine. 2,487,271, Nov. 8.
- Petrie, John W., assignor to Petrie-Lewis Manufacturing Co., Inc., New Haven, Conn. Reel mechanism. 2,463,303, Mar. 1.
- Petrie-Lewis Manufacturing Co., Inc., assignee: *See*—
Petrie, John W.
- Petrocarbon Limited, assignee: *See*—
Rowley, Derrick, Steiner, and Zimkin.
- Petroe, Gregory A., Kenmore, N. Y., assignor to The Mathieson Chemical Corporation. Carbon dioxide vaporizer. 2,481,478, Sept. 6.
- Petroff, Merlin O., Lake Bluff, and W. F. Straub, Chicago, assignors to C. P. Peirce, Evanston, Ill. Wire recorder indicator. 2,460,190, Jan. 25.
- Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr., and Gross.
De Groote, Melvin, and Keiser.
Monson, Louis T.
- Petrow, Vladimir A., Carshalton, assignor to Therapeutic Research Corporation of Great Britain Limited, London, England. Naphthyridones and preparing the same. 2,467,692, Apr. 19.
- Petrow, Vladimir A., Carshalton, assignor to Therapeutic Research Corporation of Great Britain Limited, London, England. Amino benz-naphthyridines and preparing the same. 2,467,693, Apr. 19.
- Petrucelli, Edwina S., Kirkland, Wash. Transparent protective garment for infants. 2,469,700, May 10.
- Petry, Charles B., Fair Lawn, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Vacuum valve. 2,463,052, Mar. 1.
- Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Sewing-machine loop taker. 2,469,517, May 10.
- Pettengill, George D., T. F. Jarvis, and W. L. Fader, assignors to Warsaw Elevator Co., Warsaw, N. Y. Elevator control mechanism. 2,472,959, June 14.
- Petterson, Gustav E., Florham Park, assignor to Continental Electric Company, Inc., Newark, N. J. Drain arrangement for enclosures such as enclosures of explosion-proof motors or the like. 2,470,050, May 10.
- Petti, Marie, New York, N. Y. Safety pin. 2,475,251, July 5.
- Pettibone Mulliken Corporation, assignee: *See*—
Piper, Walter F.
- Pettibone, Raymond B., assignor to Vickers Incorporated, Detroit, Mich. Hydraulic motor control circuit. 2,476,763, July 19.
- Pettis, Fred A.: *See*—
Altman, Max S., and Pettis.
- Pettis, Frederick A.: *See*—
Speller, Thomas H., and Pettis.
- Pettitt, Frank, Union, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad track layout. 2,479,022, Aug. 16.
- Pettler, Eugene H., Beaver, Pa. Lifting device. 2,468,999, May 3.
- Pettus, James L., North Hollywood, Calif., assignor to Radio Corporation of America. Light aperture construction for sound projector devices. 2,478,780, Aug. 9.
- Petty, Michael G. R., Devizes, and G. F. Jones, Aldwych, London, assignors to Commercial Patents Limited, London, England. Hydraulic power installation. 2,483,349, Sept. 27.
- Petty, Olive S., assignee: *See*—
Parr, Josephus O., Jr.
Rudolph, Paul J.
- Petty, Robert D., Nanuet, N. Y., and C. A. Rickabaugh, Park Ridge, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Extraction of penicillin. 2,488,878, Nov. 22.
- Petty, Wesley, Effingham, Ill. Holding device. 2,461,440, Feb. 8.
- Petty, Wesley, Effingham, Ill. Registering device. 2,478,314, Aug. 9.
- Petty, Wiley, Farmersburg, Ind., assignor to United States Gypsum Company, Chicago, Ill. Cement applicator for building tape. 2,458,297, Jan. 4.
- Petyak, Stephen, Fort Mitchell, Ky. Container carrier. 2,460,530, Feb. 1.
- Petz, John L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Ribbon feeding and inking mechanism for typewriting machines. 2,475,336, July 5.
- Peukert, Bernard R., assignee: *See*—
Krause, Erick.
- Poulet, Henri A., Parc Saint-Maur, France. Manufacture of electrical resistances. 2,475,756, July 12.
- Pevere, Ernest F.: *See*—
Moore, Frank J., and Pevere.
- Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. C₄ alkylation with aluminum chloride-hydrocarbon complex catalyst. 2,488,602, Nov. 22.
- Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Propylene alkylation with aluminum chloride complex catalyst. 2,488,603, Nov. 22.
- Pevitt, Charles A., assignee: *See*—
Devlyn, Arthur H.
- Pevney, Paul, Nassau Shores, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Air-conditioning and pressurizing system for aircraft. 2,466,779, Apr. 12.
- Pevney, Paul, Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Seal. 2,472,724, June 7.
- Pew, Joseph N., Jr., Lower Merion Township, Montgomery County, assignor to Sun Oil Company, Philadelphia, Pa. Ship of monolithic structure. 2,462,670, Feb. 22.
- Pew, Preston F., assignor to Inflico Incorporated, Chicago, Ill. Filter. 2,468,603, Apr. 26.
- Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Ductor roller adjustment and method. 2,474,160, June 21.
- Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Drive for multiunit printing presses. 2,484,905, Oct. 18.
- Peyrebrune, Henri E., River Forest, and B. B. Pasquinelli, assignors, by mesne assignments, to Miehle Printing Press Mfg. Company, Chicago, Ill. Transferring lapped sheets. 2,466,862, Apr. 12.
- Peyrebrune, Henri E., River Forest, and A. Wormser, Riverside, assignors, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Feed table and front guide adjustment. 2,474,983, July 5.
- Peyrebrune, Henri E., River Forest, and A. G. Jacobson, assignors, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Frame structure for printing press units and assembling method therefor. 2,479,023, Aug. 16.
- Peyssonneaux, Albert: *See*—
Roatta, Edouard, and Peyssonneaux.
- Peyton, William T., Dallas, Tex. Carload bracing spur cleat. 2,461,767, Feb. 15.
- Pezous, Maurice E. L., Albi, France. Apparatus for finishing packing rings. 2,487,670, Nov. 8.
- Pezza, Lazzaro, assignee: *See*—
Trimarchi, Joseph, and Pezza.
- Pezzillo, Albert R., assignor to Republic Industries, Inc., Philadelphia, Pa. Motor pump unit. 2,485,408, Oct. 18.
- Pfaff, Wesley: *See*—
Lake, Clair D., Platt, Fiehl, and Pfaff.
- Pfann, Nell M.: *See*—
Elliott, Gusta B., and Pfann.
- Pfanstiehl Chemical Company, assignee: *See*—
John, Robert S.
- Pfau, Julius H., Norristown, Pa. Tooth powder dispenser. 2,471,495, May 31.
- Pfau, Leo D., R. D. Tufford, and J. E. Mayer, assignors to Super Six Manufacturing Inc., Minneapolis, Minn. Front end loader. 2,490,155, Dec. 6.
- Pfaudler Co., The, assignee: *See*—
Goecke, Rudolph F.
- Pfauter, Edward M.: *See*—
Mandl, Siegmund, and Pfauter.
- Pfeffer, Edward C., Jr., assignor to Cluett, Peabody and Co., Inc., Troy, N. Y. Shirt collar construction. 2,470,950, May 24.
- Pfeiffer, Adolph, Chicago, Ill. Music box. 2,458,875, Jan. 11.
- Pfeiffer, David C.: *See*—
Clewell, Dayton H., and Pfeiffer.
- Pfeiffer, Fred B., Akron, Ohio, assignor of one-half to J. R. Crossan. Method and apparatus for working sheet material. 2,486,758, Nov. 1.
- Pfeiffer, Fred B., Akron, Ohio, assignor of one-half to J. R. Crossan. Packaging method and apparatus. 2,486,759, Nov. 1.
- Pfeiffer, Fred B., Akron, Ohio, assignor of one-half to J. R. Crossan. Packaging. 2,486,760, Nov. 1.
- Pfeiffer, Fred B., Akron, Ohio. Method and apparatus for working sheet material. 2,486,761, Nov. 1.
- Pfeiffer, Fred B., Akron, Ohio. Wrapping articles. 2,486,762, Nov. 1.
- Pfeiffer, Walter R., San Gabriel, Calif. Diving mask with pressure equalizing ear cups. 2,488,235, Nov. 15.
- Pfender, Clifford D., A. Schultze, and C. J. Knerr, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Flue connector assembly for absorption refrigerators. 2,462,671, Feb. 22.
- Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Arrangement for cooling combustion chambers. 2,470,184, May 17.
- Pfersick, Winfred, Feeding Hills, Mass. Sheave aligning apparatus. 2,479,963, Aug. 23.
- Pfletcher, Theophil J., Norwalk, Wis. Refrigerated milker pail. 2,470,520, May 17.
- Pfister, Harry C., Long Beach, and P. H. Meyer, La Porte, Ind., assignors to U. S. Slicing Machine Company, Inc. Illuminated gravity feed slicing machine. 2,492,885, Dec. 27.
- Pfister, Jacob: *See*—
Cochran, John K., and Pfister.

- Pfister, Karl, III: *See*—
Wolf, Frank J., and Pfister, III.
- Pfister, Karl, III, Summit, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of intermediates for synthesis of amino acids. 2,489,927, Nov. 29.
- Pfizer, Chas., & Co., Inc., assignee: *See*—
Pasternack, Richard, and Regna.
- Pfizer, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,474,012, June 21.
- Pfanz, Clarence C., and H. L. Rabe, assignors to The Gemco Engineering & Manufacturing Co., Inc., Cincinnati, Ohio. Dump trailer. 2,491,417, Dec. 13.
- Pfeiffer, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Device for heat-treating magnetic materials. 2,482,364, Sept. 20.
- Pfeumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Making electric power transmission cables. 2,466,271, Apr. 5.
- Pfueger, Ted S.: *See*—
Sears, Hartley M., and Pfueger.
- Pfouts, James B., assignee: *See*—
Feather, Donivan C.
- Pfuntner, Richard A., Saugus, and F. R. D'Entremont, Lynnfield, Mass., assignors to General Electric Company. Variable reluctance core. 2,460,145, Jan. 25.
- Phair, Harry W., Lyndhurst, N. J., assignor to Fairchild Camera and Instrument Corporation. Earth inductor compass. 2,464,657, Mar. 8.
- Phair, Harry W., Lyndhurst, N. J., assignor to Fairchild Camera and Instrument Corporation. Universal gyroscope-suspension system. 2,469,782, May 10.
- Phair, Robert S.: *See*—
Calender, Edwin M., Phair, and Van Sciver.
- Pharma Chemical Corporation, assignee: *See*—
Miller, Julius, and Markush.
- Pharo, Lee C., assignor to Johnson's Company, Thetford Mines, West Quebec, Canada. Asbestos fiberizing. 2,459,240, Jan. 18.
- Phaturos, Mary E., assignor to J. R. Dobson, Akron, Ohio. Ash tray. 2,467,405, Apr. 19.
- Phaezey, John R., and R. J. M. Andrews, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electrically connecting wires to terminals. 2,462,127, Feb. 22.
- Phelan, Hubert S.: *See*—
Nims, Paul T., and Phelan.
- Phelan, John A.: *See*—
Clapp, Roger H., and Phelan.
- Phelan, Thomas H.: *See*—
Rackey, Chester A., and Phelan.
- Phelon, Russell E., West Springfield, Mass. Flywheel magneto. 2,472,313, June 7.
- Phelps, Allen S., Orangeburg, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of riboflavin. 2,473,817, June 21.
- Phelps, Allen S., Orangeburg, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Producing riboflavin. 2,473,818, June 21.
- Phelps, Byron E.: *See*—
Palmer, Ralph L., and Phelps.
- Phelps, Clyde H.: *See*—
Weaver, Ira A., and Phelps.
- Phelps Dodge Copper Products Corporation, assignee: *See*—
MacKenzie, Wallace B.
Palmer, John H.
Wyatt, Kenneth S.
- Phelps-Dodge Corporation, assignee: *See*—
Heiks, Ray E.
- Phelps, George N., Lancaster, Pa., assignor to Radio Corporation of America. Method and apparatus for inserting contacts in glass tubes. 2,485,769, Oct. 25.
- Phelps, James O., Richmond Heights, and G. W. Cottrill, University City, assignors to Airpath Instrument Company, St. Louis, Mo. Altimeter. 2,458,022, Jan. 4.
- Phelps, Ross W., Orillia, Ontario, Canada. Portable power-driven reciprocating saw. 2,480,957, Sept. 6.
- Philabaum, Robert W., deceased, Elkhart County, by T. Philabaum, administratrix, Elkhart, Ind. Ground speed and drift indicator. 2,482,795, Sept. 27.
- Philabaum, Thelma, administratrix: *See*—
Philabaum, Robert W.
- Philadelphia and Reading Coal and Iron Company, The, assignee: *See*—
Brecker, George A.
- Philadelphia Thermometer Company, The, assignee: *See*—
Schwartz, John L.
- Philadelphia Valve Company, assignee: *See*—
Jensen, James A.
- Philbin, Philip H., Jr., assignee: *See*—
Stephens, Henry C.
- Philbrick, Frank H., Evanston, Ill. Machine for tamping ballast. 2,482,123, Sept. 20.
- Philbrick, Frank H., Evanston, Ill. Ballast tamping machine for railways. 2,482,796, Sept. 27.
- Philco Corporation, assignee: *See*—
Albright, Robert B.
Bauman, John H.
Bell, Richard A.
Bobb, Lloyd J.
Bocciarelli, Carlo V.
Boothroyd, Wilson P.
Boothroyd, Wilson P., and Forster.
Bradley, William E.
Bradley, William E., and Tellier.
Bradley, William E., and Tompkins.
Brown, Reynolds D., Jr.
Buffington, Alan P.
Charland, Albert H.
Charton, Paul W.
Clapp, Richard G.
Crockett, John G.
Curtiss, George E., Jr.
Deaver, Elmer O.
Denk, William E.
Dolberg, Charles E.
Dyer, John M.
Farrow, Frederick B., Jr.
Free, Albert L.
Harman, Emil I.
Hart, Edward L.
Hart, Edward L., and Moore.
Heilig, Charles, Jr.
Hershinger, Lincoln W.
Himmer, Frank.
Hooker, Howard W.
Keil, Otto C., Jr., and Lofton.
Laschenski, Joseph E.
Levy, Gustave.
Lingenbrink, Hermann E. F. C.
Mankin, Arthur H.
Mascoli, Mario V., and Buono.
McCoy, Claudius T.
Moore, Robert C.
Munster, Allen C.
Munster, Allen C., and Sunstein.
Newbold, William H.
Newbold, William H., and H. M.
Peltier, Frank D.
Rheams, Charles J. B.
Rodgers, Lionel M.
Rudolph, William E.
Rundell, Theodore W.
Schreiner, Louis W., and Leonard.
Shoemaker, Malcolm G.
Shoemaker, Malcolm G., and Hall.
Smith, David B.
Smith, Newland F., Jr.
Sunstein, David E.
Tellier, Joseph C.
Tiley, John W.
Tompkins, Howard E.
Thompson, Elmer O.
Traub, Ernest H.
Walker, Harold.
West, William P.
Zearfoss, Elmer W., Jr.
Zindel, George, Jr.
- Philip, George, Detroit, Mich. Vehicle body top. 2,481,868, Sept. 13.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Bottled beverage cooling device. 2,464,605, Mar. 15.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,464,606, Mar. 15.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus, including a lubricant cooler. 2,476,764, July 19.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,476,906, July 19.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,484,310, Oct. 11.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Two-temperature refrigeration system using two refrigerants. 2,483,842, Oct. 4.
- Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,485,066, Oct. 18.
- Philippe, George A., Fort Smith, Ark. Glass cutter. 2,470,444, May 17.
- Philippe, Maurice, Courbevoie, assignor to Societe Anonyme A. B. G., and Societe Civile d'Etude des Inventions et Procédes Philippe, Paris, France. Machine tool and more particularly to marking machine with a center. 2,464,415, Mar. 15.
- Phillips, Carl, Los Angeles, Calif. Coating applicator. 2,492,439, Dec. 27.
- Phillippon, Nazaire, assignor to Filature & Tressage Vanham, Société Anonyme, Wauthier-Braine, Belgium. Spindle for braiding looms. 2,481,237, Sept. 6.

Philips Laboratories, Inc., assignee: *See*—

- Beers, John R.
Bleeksma, Jan.
Boyle, Homer G.
Firth, Francis G.
Koppius, Otto G.
Levi, Roberto.
Philkoff, Eftim P., Tulsa, Okla. Corn-clipping apparatus. 2,481,947, Sept. 13.
Phillimore, Charles E., assignor to Bell & Howell Company, Chicago, Ill. Device for inspecting feed perforated strips. 2,469,608, May 10.
Phillips, Goddie F.: *See*—
Wilson, Robert M., and Phillips.
Phillips, Albert J., Plainfield, and J. S. Smart, Jr., Westfield, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Continuously casting hollow metal shapes. 2,466,612, Apr. 5.
Phillips, Benjamin, Cincinnati, Ohio. Oscillating vane piston pump. 2,468,272, Apr. 26.
Phillips, Benjamin A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration system, including defrosting apparatus and method. 2,468,104, Apr. 26.
Phillips, Benjamin, Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Reaction of enol esters with anhydrides. 2,466,738, Apr. 12.
Phillips, Burdette H.: *See*—
Daly, George F., Phillips, and Malmros.
Phillips, C. E., & Company, assignee: *See*—
Frade, Peter N.
Phillips, Calvin, Seattle, Wash. Rail fastener. 2,462,771, Feb. 22.
Phillips, Charles L., St. George, N. Y. Trap. 2,471,540, May 31.
Phillips Control Corp., assignee: *See*—
Wasserlein, Henry G.
Phillips, Delbert L., Culver City, assignor to W. R., W. S., and B. Whittaker, R. M., and R. D. Vandegriff, and D. L. Phillips, co-partners, doing business as Wm. R. Whittaker Co., Ltd., Los Angeles, Calif. Drain cock. 2,472,677, June 7.
Phillips, Emory B., Stillwater, Okla. System analyzer. 2,487,942, Nov. 15.
Phillips, Eugene H., Glendale, assignor to Lennan Lights, Inc., Burbank, Calif. Pocket flashlight. 2,483,665, Oct. 4.
Phillips, George R., New Brunswick, N. J., assignor to Foster D. Snell, Inc. Hooked tool for turning over ends of rivets. 2,485,109, Oct. 18.
Phillips, Harlow D.: *See*—
Mihalyi, Joseph and Phillips.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Inner ring or expander for pistons. 2,460,430, Feb. 1.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Narrow steel spacer. 2,463,802, Mar. 8.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,460,431, Feb. 1.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Ridge reamer for cylinders. 2,466,473, Apr. 5.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring element. 2,466,474, Apr. 5.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and spacer therefor. 2,474,493, June 28.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,481,340, Sept. 6.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Apparatus for manufacturing piston ring elements. 2,487,587, Nov. 8.
Phillips, Harold B., and K. E. Kirkpatrick, assignors of one-third to O. C. Coppenbarger, Wichita, Kans. Lawn mower. 2,488,140, Nov. 15.
Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in transmitting angular movement. 2,490,918, Dec. 13.
Phillips, Harry, New York, N. Y. Securing together moccasin vamps and plugs. 2,472,265, June 7.
Phillips, Harry A., Chicago, Ill. Refrigerant injector and surge drum arrangement. 2,466,863, Apr. 12.
Phillips, John J.: *See*—
Peters, Melville E., and Phillips.
Phillips, Leldon W., Sudan, Tex. Automatic steering attachment for tractors. 2,465,660, Mar. 29.
Phillips, Leonard R., Teaneck, N. J., assignor to Anemostat Corporation of America, New York, N. Y. Heating apparatus. 2,474,955, July 5.
Phillips, Marion G., assignee: *See*—
Coney, Herman E.
Phillips, N. P., executor: *See*—
Wurtele, Allan R.
Phillips, Oliver V., Denver, Colo. Flight position indicators for aircraft. 2,469,571, May 10.
Phillips, Paul D., Hendersonville, N. C., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Fitting for lighting fixtures. 2,481,531, Sept. 13.

Phillips Petroleum Company, assignee: *See*—

- Alexander, Cruzan.
Arnold, Philip M.
Austin, Oliver.
Aze, William N.
Benz, George R.
Bergman, William E.
Bondurant, John E.
Bouinger, Otto R.
Brownlow, Cecil L.
Carlson, Henry A.
Carnell, Paul H.
Carney, Samuel C.
Chapman, Charles C., and Hendrix.
Clark, Alfred.
Clark, Alfred, and Sailors.
Condon, Francis E.
Crawford, Chester C., and Morris.
Crouch, Willie W.
Crouch, Willie W., and Delap.
Crouch, Willie W., and Pritchard.
Dean, Maurice R.
De Bosblanc, Deslonde R., and Bondurant.
Dutcher, Harris A., and Wolk.
Eberle, Jack F.
Folz, John M.
Forseth, Glenn J.
Findlay, Robert A.
Flatford, William R.
Flatford, William R., and Crawford.
Fleming, Harold W.
Freund, Robert R.
Frey, Frederick E.
Friedman, Alvir H., and Moran.
Garretson, Owen L.
Garretson, Owen L., Eddy, and St. Clair.
Gibson, James D.
Gilmore, Forrest E.
Glidden, Joseph D.
Helmers, Carl J.
Hepp, Harold J.
Hepp, Harold J., and Sailors.
Herbolsheimer, Glenn.
Hiatt, William G., and Wagner.
Hillyer, John C.
Hillyer, John C., and Ice.
Hillyer, John C., and Nicewander.
Hillyer, John C., and Wilson.
Himel, Chester M.
Hoffman, Clarence W., and St. Clair.
Hoover, Lucian T.
Hutchinson, William M.
Jones, Herbert H.
Kelley, Carl S.
Kerr, Arthur N.
Kilpatrick, Myron O.
Lamborn, Herschel R.
Latchum, John W., Jr.
Legatski, Harold R.
Legatski, Harold R., and Crawford.
Loy, John W.
Maguire, Bernard G.
Mahan, John E.
Maki, Carl J.
Marhofer, Edwin G.
Maity, Eugene V.
Matuszak, Maryan P.
Mayland, Bertrand J., and White.
Aeyers, Charles O.
Mills, King L., Jr.
Montgomery, Jesse S.
Morrey, Alfred E., Jr.
Morris, Lloyd C.
Nash, Martin E.
Neuhart, Frederick C.
Oberfell, George G.
Olson, Andrew R.
Owen, James R.
Pendleton, James B.
Perez, Alicia.
Peterson, Glen.
Pietz, Raymond G.
Platts, Vern G.
Richmond, John L.
Roberts, Perry L.
Robinson, Sam P.
Scharf, Virgil.
Schulze, Walter A., and Crouch.
Schulze, Walter A., and Hillyer.
Schulze, Walter A., and Mahan.
Siewers, Carl F.
Simons, Joseph H.
Snyder, Harold R., and Stewart.
Stanley, Clyde P.
Stewart, S. Grant.
Stratton, Charles A.
Thodos, George.
Tooke, James W., and Lang, Jr.
Trotter, Harry D.
Underwood, Thomas M.
Upham, John D.
Waddill, Paul M.
Wagner, Cary R.

Phillips Petroleum Company, assignee: *See*—Continued.

Wagner, Cary R., and Axe.
Wagner, Cary R., and Ryan.
Weinrich, William W.
Whaley, Thomas H.
Wildman, John W. R., Jr.
Wiss, Adolph J.
Wolk, I. Louis.

Phillips, Richard F., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparing esters of organic carboxylic acids. 2,460,191, Jan. 25.

Phillips, Robert W., University Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Adapter for dissimilar fittings. 2,489,928, Nov. 29.

Phillips, Ross E.: *See*—

Cunningham, James J., Johnston, and Phillips.

Phillips, Warren E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for determining the cutting and chipping resistance of plastic and rubberlike materials. 2,458,196, Jan. 4.

Phillips, William C., Jr.: *See*—

Phillips, William C., Sr., and William C., Jr.

Phillips, William C., Sr., and W. C., Jr., Lakeland, Fla. Cement block machine. 2,477,266, July 26.

Phillips, William M., Birmingham, and F. L. Clifton, assignors to General Motors Corporation, Detroit, Mich. Electrodeposition of copper. 2,489,538, Nov. 29.

Phillipotts, George C.: *See*—

Bennett, John G., Foster, Greaves, Phillipotts, Pirani, and Kramers.

Philp, William J., Battle Creek, Mich., and C. W. Parmentier, Philadelphia, Pa.; said Philp assignor to Clark Equipment Company, Buchanan, Mich. Pallet. 2,461,297, Feb. 8.

Philpot, John S. L.: *See*—

Braddick, Henry J. J., and Philpot.

Philpott, La Verne R.: *See*—

Curtis, Kenneth L., and Philpott.

Curtis, Kenneth L., Philpott, and Thompson.

Philpott, La Verne R., Washington, D. C. Electric tachometer. 2,473,542, June 21.

Phinney, John A.: *See*—

Michael, Vesta F., and Phinney.

Phinney, John A., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Production of carbon monoxide and hydrogen. 2,482,866, Sept. 27.

Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Power supply system. 2,475,252, July 5.

Phipps, Carl E., assignee: *See*—

Phipps, John T.

Phipps, George S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical fuse element. 2,486,202, Oct. 25.

Phipps, John T., Huntington Park, Calif., assignor, by mesne assignments, of one-third to W. F. Sturdivant, one-third to C. E. Phipps, and one-third to J. T. Phipps. Interlocking circular packing. 2,464,653, Mar. 15.

Phipps Products Co., assignee: *See*—

Goldsmith, Henry A., and Humbert.

Photo-Positive Corporation, assignee: *See*—

Crouse, George B.

Photo Research Corporation, assignee: *See*—

Nicholson, Elwood J.

Photoswitch, Incorporated, assignee: *See*—

Cade, Phillip J.

Hammann, Carl F.

Landrock, Paul, and Caps.

Thomson, E. Craig.

Thomson, Elihu C.

Wolfner, William F., II.

Phyfe, James D., Indianapolis, Ind., assignor to Radio Corporation of America. Sound distributing system for drive-in theaters. 2,469,986, May 10.

Physicists Research Company, assignee: *See*—

Abbott, Ernest J., Chaney, and Bragg.

Piacenti, Frank, New York, N. Y. Collapsible tire remover. 2,470,107, May 17.

Piane, John M., Hanover, N. H. Ski binding. 2,462,281, Feb. 22.

Pianta, Ubaldo, assignor to firm of Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy.

Drive for plating carriers in knitting machines. 2,485,917, Oct. 25.

Pianta, Ubaldo, assignor to Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy.

Plating carrier drive for knitting machines. 2,487,943, Nov. 15.

Piatkowski, Stephen L., assignee: *See*—

Domke, Edward A.

Piatt, Donald R.: *See*—

Lake, Clair D., Piatt, Fiehl, and Pfaff.

Piazza, Thomas E., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Apparatus for controlling the coating applied to an object. 2,466,734, Apr. 12.

Piazza, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Heat-sealing device. 2,466,735, Apr. 12.

Piazza, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Container forming machine and method. 2,475,359, July 5.

Picard, Robert G., Collingswood, N. J., assignor to Radio Corporation of America. Neutralization of electrostatic charges in electron-optical instruments. 2,467,224, Apr. 12.

Picard, Robert G., Collingswood, N. J., assignor to Radio Corporation of America. Vacuum gauge structure. 2,490,468, Dec. 6.

Piccardo, Jack E., Oakland, Calif., assignor to Shasta Pump Company. Centrifugal pump. 2,478,941, Aug. 16.

Picha, George M., Chicago, assignor to G. D. Searle & Co., Skokie, Ill. Reaction of podocarpic acid and certain halo-alkanoic acids and products thereof. 2,478,978, Aug. 16.

Pichette, John J., Whitinsville, Mass. Retaining means for spindle adapters. 2,488,879, Nov. 22.

Pichniarczyk, Maciej M., Cleveland, Ohio. Paint brush holder. 2,479,509, Aug. 16.

Pick, Eric, East Rockaway, assignors to The Permutit Company, New York, N. Y. Plural valve actuation and control. Re. 23,076, Jan. 11.

Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Salt level indicator for brine tanks. 2,463,304, Mar. 1.

Pick, Oswald M., Chicago, and B. E. Goodman, Highland Park, assignors to The Florsheim Shoe Company, Chicago, Ill. Shoe construction. 2,468,944, May 3.

Pickands Mather & Co., assignee: *See*—

Royster, Percy H.

Pickard, Joseph A., Acton, London, assignor to The Metallization Company Limited, Hounslow, England. Lubricating oil filter. 2,474,161, June 21.

Pickel, Frank D., Flemington, N. J., and J. I. Fass, and S. Chodroff, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Resolution of racemic α hydroxy β,β dimethyl γ butyrolactone. 2,460,239, Jan. 25.

Pickel, Frank D., Flemington, N. J., and J. I. Fass, and S. Chodroff, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Resolution of racemic α hydroxy β,β dimethyl γ butyrolactone. 2,460,240, Jan. 25.

Pickels, George W., IV, Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Connecting sheaths enclosing electrical elements. 2,491,688, Dec. 20.

Picken, William, Astoria, Long Island, N. Y. Collapsible ironing board. 2,466,556, Apr. 5.

Pickens, Clarence R.: *See*—

Lidfeldt, Alfred L., and Pickens.

Pickens, Roy A.: *See*—

Booth, Robert B., and Pickens.

Pickens, William A., San Diego, and F. D'Vincent, La Jolla, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Rudder pedal adjusting mechanism. 2,478,546, Aug. 9.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—

Goldfield, Edwin R.

Stava, Robert J.

Weisglass, Louis L.

Pickering, Theodore H.: *See*—

Maier, Herbert N., and Pickering.

Pickett, Andrew B., New Orleans, La. Producing and laying out revetments. 2,476,682, July 19.

Pickett, Louise, assignee: *See*—

Eckel, Arthur F.

Pickett, Louise W., assignee: *See*—

Eckel, Arthur F.

Pickett, Walter J.: *See*—

Carington, Charles M., and Pickett.

Carington, Charles M., Shoober, and Pickett.

Pickford, Jack, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Latching mechanism. 2,462,282, Feb. 22.

Pickholz, Siegfried, Liverpool, and H. G. Dickenson, Warrington, assignors to Ward, Binkinsop & Company Limited, Brooklands, Halewood, Liverpool, England. Production of sulfonamides. 2,471,772, May 31.

Picking, William T., Kidderminster, England. Loom for weaving pile fabrics. 2,468,572, Apr. 26.

Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmission line. 2,474,277, June 28.

Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,485,654, Oct. 25.

Pickles, Sidney B., Jackson Heights, and A. M. Casabona, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,477,647, Aug. 2.

Pickley, Leonard B., North Hollywood, Calif. Composite photography. 2,461,127, Feb. 8.

Pickron, Earl C., Creston, Iowa. Cartridge clip. 2,472,678, June 7.

Pickworth, Charles L., Auburn, Victoria, Australia. Tuft forming sewing machine. 2,492,711, Dec. 27.

Picton, John B., assignor to Joshua Bigwood & Son, Limited, Wolverhampton, England. Stretching machine for flattening metal strips. 2,464,888, Mar. 22.

Picton, John B., assignor to Joshua Bigwood & Son, Limited, Wolverhampton, England. Stretching machine for flattening metal strips. 2,477,083, July 26.

- Picture Recording Company, assignee: *See*—
Bennett, Frank P., and Musebeck.
- Picut, Frederick C., Westfield, assignor to Economy Faucet Company, Newark, N. J. Dispensing nozzle. 2,482,867, Sept. 27.
- Pidgeon, Lloyd M., and S. A. McCatty, assignors to Dominion Magnesium Limited, Toronto, Ontario, Canada. Production of calcium. 2,464,767, Mar. 15.
- Piehl, Charles T., Batavia, N. Y. Register grille. 2,479,773, Aug. 23.
- Piening, John R.: *See*—
Cheney, Lee C., and Piening.
- Pieper, Alphonse F., Brighton, N. Y. Electric lamp fixture. 2,480,765, Aug. 30.
- Pieper, Chester R., Warrenton, Mo. Cable clamping device. 2,473,071, June 14.
- Pieper, George F., Milwaukee, Wis. Rotary Diesel engine. 2,460,192, Jan. 25.
- Pieper, Herman C., St. Louis, Mo. Brush with retractable bristles. 2,486,203, Oct. 23.
- Pieper, Oliver T., Wilmington, Del., assignor to American Dyewood Company, New York, N. Y. Spray drying apparatus. 2,478,779, Aug. 9.
- Pier, Everett H.: *See*—
Gunning, William F., and Pier.
- Pierce, Albert R., Jr., South Dartmouth, Mass. Bilge pump. 2,458,197, Jan. 4.
- Pierce, Albert R., Jr., South Dartmouth, Mass. Sail fabric. 2,477,464, July 26.
- Pierce, Bernard N., Avon, Conn. Work holding staging fixture for optical projecting comparators. 2,489,462, Nov. 29.
- Pierce, Clyde A., assignor to D. Colvin, San Francisco, Calif. Drill bit centering attachment. 2,479,774, Aug. 23.
- Pierce, Erold F., Paterson, N. J., assignor to Wright Aeronautical Corporation. Mechanism providing a ram jet engine with a pilot flame and with a drive for its auxiliary equipment. 2,482,505, Sept. 20.
- Pierce, Eugene C., assignor to The Girdler Corporation, Louisville, Ky. Variable inductance device. 2,480,671, Aug. 20.
- Pierce, Firth, San Diego, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Harmonic computing mechanism. 2,477,527, July 26.
- Pierce Governor Company, Inc., The, assignee: *See*—
Benjamin, Walter E.
- Pierce, Harold C., Pomona, Calif. Bracing system for boxed produce loads. 2,475,719, July 12.
- Pierce, Herbert I.: *See*—
Sourwine, William A., and Pierce.
- Pierce, Jerry A.: *See*—
Walden, George H., Pierce, and Segura.
- Pierce, Jerry A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of clay catalysts. 2,472,489, June 7.
- Pierce, Jerry A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of silica gel. 2,475,253, July 5.
- Pierce, Jerry A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of plural silica-containing hydrogen catalysts. 2,483,782, Oct. 4.
- Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of spherical gel particles. 2,474,910, July 5.
- Pierce, Jerry A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of spherical gel particles. 2,474,911, July 5.
- Pierce, Jerry A., and R. W. Richardson, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing a group VIII metal-on-aluminum catalyst. 2,481,238, Sept. 6.
- Pierce, John B., Foundation, assignee: *See*—
Anderegg, Frederick O.
O'Brien, Joseph F.
O'Brien, Joseph F., and Boynton.
O'Brien, Joseph F., and Cataldo.
Rapp, George M.
Stiwell, William E., Jr.
- Pierce, John R.: *See*—
Best, Fred H., and Pierce.
- Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code modulation communication system. 2,464,607, Mar. 15.
- Pierce, John R., Millburn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron transit time tube. 2,469,843, May 10.
- Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Linear frequency modulation system. 2,476,765, July 19.
- Pierce, Joseph D., Chicago, and C. E. Towner, Oak Lawn, assignors to Crane Co., Chicago, Ill. Boiler. 2,485,536, Oct. 18.
- Pierce, Kathryn B., assignee: *See*—
Kelley, William H.
- Pierce Laboratory, Inc., assignee: *See*—
Babayan, Vigen K.
Frllette, Vincent J.
Kalman, Nicholas L.
- Pierce, Lawrence, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Push button operated circuit interrupter. 2,473,901, June 21.
- Pierce, Melvin A., Waitsburg, Wash. Soap container. 2,457,918, Jan. 4.
- Pierce, Ogden R.: *See*—
McBee, Earl T., and Pierce.
- Pierce, Raymond C., Chicago, Ill. Snubber. 2,479,863, Aug. 23.
- Pierce, Raymond C., Chicago, Ill. Shock absorber. 2,483,429, Oct. 4.
- Pierce, Raymond C., Chicago, Ill. Shock absorber. 2,483,430, Oct. 4.
- Pierce, Raymond C., Chicago, Ill. Snubbed truck. 2,485,013, Oct. 18.
- Pierce, Raymond C., Chicago, Ill. Snubbed truck. 2,485,508, Oct. 18.
- Pierce, Robert J.: *See*—
Fruth, Hal F., and Pierce.
- Pierce, Silas A., Jr., Pawtucket, R. I. Permutation lock container. 2,476,062, July 12.
- Piercey, Wesley S.: *See*—
Green, Theodore E., Dieter, and Piercey.
- Pieri, Dino, Milwaukee, assignor of one-half to A. Ambrose, Portland, Oreg. Stapling device for upholstering. 2,491,277, Dec. 13.
- Pieri, Gino, Brooklyn, N. Y. Polishing apparatus. 2,476,683, July 19.
- Pierotti, Gino J., Albany, M. Souders, Jr., Piedmont, and F. A. French, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Purification of penicillin. 2,488,558, Nov. 22.
- Pierrepont, Donald, Chadderton, Oldham, assignor to Platt Brothers and Company Limited, Oldham, England. Combing machine for combing textile fibers. 2,483,931, Oct. 4.
- Pierre, Percival A., Belleville, assignor to La Scola Corporation, Orange, N. J. Portable trouble light for automobiles. 2,481,444, Sept. 6.
- Piersol, John A., Indianapolis, Ind. Eduction head for air lifts. 2,470,639, May 17.
- Pierson, Adrian A., Cooperstown, N. Y. Radio shielding sealing gasket. 2,462,334, Feb. 22.
- Pierson, Arthur J., North Hollywood, and J. E. Manning, Burbank, Calif. Combined cart and spreader. 2,465,117, Mar. 22.
- Pierson, Earl, Harrisonburg, Va., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing substituted propanoic acid. 2,460,785, Feb. 1.
- Pierson, Olof P., Caribou, Maine. Apparatus for peeling fruits and vegetables. 2,477,006, July 26.
- Pierson, Robert M., Hudson, Ohio. Refractometer employing photosensitive devices and use of the same. 2,483,102, Sept. 27.
- Pieters, Julien A. L., Paris, France. Continuously operating furnace for the distillation of fuel. 2,477,390, July 26.
- Pietz, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alternating current impedance meter. 2,470,412, May 17.
- Pietz, Raymond G., Tuckaheo, N. Y., assignor to Phillips Petroleum Company. Geophone. 2,487,029, Nov. 1.
- Pietz, Ervin, assignee: *See*—
Pietz, Ervin.
- Pietz, Ervin, assignor to L. N. Barry, G. W. Foss, and E. Pietz, doing business as The L. N. Barry Company, Cambridge, Mass. Vibration isolator. 2,470,185, May 17.
- Pietzsch, Frank H., assignor to Western Railway Equipment Company, St. Louis, Mo. Forked connector and rod assembly. 2,480,958, Sept. 6.
- Pifer, George N., Cleveland Heights, assignor to Speedtype, Inc., Cleveland, Ohio. Double exposure photographing and developing apparatus. 2,473,174, June 14.
- Pifer, Jerome H., Pasadena, Md. Electrical marine cable slitting device. 2,468,407, Apr. 26.
- Pifer, Lewis W.: *See*—
Pifer, Robert T. A., and L. W.
- Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Self-locking push-button tuning mechanism. 2,482,026, Sept. 13.
- Pifer, Robert T. A., and L. W. Pifer, Durham, N. C. Shock-absorbing apparatus. 2,481,150, Sept. 6.
- Pigeon, Elmer F., Spiceland, Ind. Shade roller. 2,460,307, Feb. 1.
- Piggot, Charles S., Washington, D. C., and J. E. MacAdams, Takoma Park, Md. Radiation projector. 2,477,648, Aug. 2.
- Piggot, Charles S., and C. C. Misener, Washington, D. C. Method and means to safely deactivate explosive bearing ordnance. 2,491,516, Dec. 20.
- Piggott, Henry A.: *See*—
Heath, Royden L., and Piggott.
- Pigman, George R., Ridgefield Park, N. J., assignor to American Telephone and Telegraph Company. Control circuit for switching telegraph facilities. 2,460,767, Feb. 1.
- Pignone, Edward, assignor to American Blue Print Company, Inc., New York, N. Y. Slide rule runner. 2,478,547, Aug. 9.
- Pignons S. A., assignee: *See*—
Baer, Georges.

- Pigott, Reginald J. S., and E. A. Mori, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Internal gear pump and compressor. 2,458,958, Jan. 11.
- Piha, Maxime, assignee: *See*—
Giniewski, Otto I.
- Pike, Charles O., and V. N. Morris, Highland Park, N. J., assignors to Industrial Tape Corporation. Barrier coat for adhesive sheets. 2,487,060, Nov. 8.
- Pike, Robert D.: *See*—
Carr, John A., Carroll, and Pike.
- Pike, Robert D., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Production of magnesia. 2,465,264, Mar. 22.
- Pike, Robert D., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Production of dead-burned magnesia. 2,478,593, Aug. 9.
- Pike, Robert D., Pittsburgh, Pa. Recovery of elemental phosphorus and compounds of potassium. 2,488,604, Nov. 22.
- Pike, Robert D., Pittsburgh, Pa., and J. Schoder, Portland, Oreg., assignors, by mesne assignments, to Tacoma Powdered Metals Company, Inc., Tacoma, Wash. Making electrolytic iron. 2,464,889, Mar. 22.
- Pike, Wilson C., New York, N. Y. Variable stroke pump. 2,458,023, Jan. 4.
- Piki, Josef, Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methylol-benzenamide and related compounds. 2,477,346, July 26.
- Pikor, Stefan, Detroit, Mich. Hosiery drier. 2,490,322, Dec. 6.
- Pilato, Salvatore, Brooklyn, N. Y. Iron holder. 2,481,869, Sept. 13.
- Pilch, John, Ware, Mass. Cylinder and piston assembly for hydraulic apparatus. 2,468,511, Apr. 26.
- Pilch, John S., Ware, Mass. Loading device for tractors. 2,463,803, Mar. 8.
- Pilia, Frank J., Riverside, N. J., assignor to The Linde Air Products Company, Water-cooled gas blanketed arc-welding torch. 2,468,806, May 3.
- Pilkington Brothers Limited, assignee: *See*—
Le Mare, Alfred H.
- Pilkington, William, Beckley, W. Va. Support for drills. 2,472,679, June 7.
- Pilliner, Bernard J., assignor to Vokes Limited, Guildford, England. Crimping or pleating. 2,488,828, Nov. 22.
- Pilling, Norman B.: *See*—
Millis, Keith D., Gagnebin, and Pilling.
- Pilliod Cabinet Company, The, assignee: *See*—
Müller, Ferdinand C. H., and Pilliod.
- Pillnik, Walter F.: *See*—
Martin, William M., Pillnik, and Wobbe.
Wobbe, Delbert E., and Pillnik.
- Pillsbury Mills, Inc., assignee: *See*—
Carter, Robert J. S., and McDonald.
Kimball, Mary H., Harrel, and Brown.
- Pillus, Nicholas V., East Orange, N. J. Motor vehicle photoelectric control system for headlights. 2,476,382, July 19.
- Pilot Distributing Company, assignee: *See*—
Galen, Clarence W.
- Pilot Marine Corporation, assignee: *See*—
Fouchaux, Julien E., and Ingram.
- Pilsner, Richard A., Waupun, assignor to Wesbar Stamping Corporation, West Bend, Wis. Roller jack for automobile roofs. 2,469,987, May 10.
- Pilson, Clyde E., Benton, Ill. Artificial arm. 2,487,724, Nov. 8.
- Piltz, Michael M., Halifax, Pa. Latch handle assembly for washing machine drums, etc. 2,490,707, Dec. 6.
- Pilz, Gerhard P.: *See*—
von Fuchs, George H. and Pilz.
- Pimentel, Arthur F., Fall River, Mass. Abrasive sheet holding sanding disk. 2,480,508, Aug. 30.
- Pimentel, Manuel, Mamaroneck, N. Y. Rake attachment for lawn mowers. 2,458,416, Jan. 4.
- Pinaire, John S., Montrose, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Expansion joint. 2,458,024, Jan. 4.
- Pinchoff, Jack, Bronx, N. Y. Crotch shield. 2,476,112, July 12.
- Pinckard, Paul M., Kalamazoo, Mich. By-product coke oven. 2,458,480, Jan. 4.
- Pincock, Douglas, assignee: *See*—
Truckenmiller, Lyman A.
- Pincus, Alexis G., assignor to American Optical Company, Southbridge, Mass. Glass composition. 2,477,649, Aug. 2.
- Pincus, Gregory: *See*—
Jacobsen, Robert P., and Pincus.
- Pinder, William, Peterborough, England. Practice device for golf putting. 2,462,420, Feb. 22.
- Pine, William S., Los Angeles, Calif. Jack attachment. 2,488,476, Nov. 15.
- Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.
- Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Purification of cyclic olefinic ketones. 2,465,475, Mar. 29.
- Pingree, Raymond A., Cranston, and R. C. Ackerman, Providence, R. I., assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Flame resistant materials. 2,488,034, Nov. 15.
- Pinkerton, David C., Syracuse, N. Y., assignor to General Electric Company. Glow-discharge lamp tuning indicator. 2,479,964, Aug. 23.
- Pinkham, Clarence A., Douglaston, and B. Holohan, Kew Gardens, assignors to Nelpin Manufacturing Co. Inc., Long Island City, N. Y. Threading device. 2,490,882, Dec. 13.
- Pinkham, Clarence A., Douglaston, and B. Holohan, Kew Gardens, assignors to Nelpin Manufacturing Co. Inc., Long Island City, N. Y. Needle threading appliance. 2,490,883, Dec. 13.
- Pinkney, Arthur J., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency heating arrangement. 2,485,843, Oct. 25.
- Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azobis (α -cycloalkyl-acetonitriles). 2,492,763, Dec. 27.
- Pinkvoss, Berthold P.: *See*—
Parry, Frank, and Pinkvoss.
- Pinner, Walter L., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Electrolytic sheet metal anode. 2,467,852, Apr. 19.
- Pino, Frank, Newark, N. J. Combination clothes hanger and chest of drawers. 2,480,383, Aug. 30.
- Pinto, Anthony, New Rochelle, assignor to Otis Elevator Company, New York, N. Y. Elevator control system. 2,487,891, Nov. 15.
- Pinto, Anthony J.: *See*—
Gates, Norbert S., and Pinto.
- Pioch, William F., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Frame inverter. 2,474,984, July 5.
- Pioneer Company, The, assignee: *See*—
Peabody, Howard B.
- Pioneer Gen-E-Motor Corporation, assignee: *See*—
Goldberg, Harry.
- Pioneer Parachute Company, Inc., assignee: *See*—
Mallory, Henry R.
- Pioneer Products Company, assignee: *See*—
Korth, William J.
- Pioneer Suspender Company, assignee: *See*—
Easlick, Lloyd H.
- Pious, Edward, assignee: *See*—
Yando, Stephen.
- Piper, Henry V.: *See*—
Guffey, Wayne W., Mihelic, Piper, and Engstrom.
- Piper, Roy A., Princeton, Ill. Load discharging apparatus for farm wagons. 2,470,836, May 24.
- Piper, Walter F., Chicago, Ill., assignor, by mesne assignments, to Pettibone Mulliken Corporation. Mulling apparatus. 2,461,176, Feb. 8.
- Piper, Walter F., Chicago, Ill., assignor, by mesne assignments, to Pettibone Mulliken Corporation. Mulling apparatus. 2,463,556, Mar. 8.
- Pipe Line Service Corporation, assignee: *See*—
Mickelson, Alfred O.
- Piipa, Giuseppe, and J. Lee, New York, N. Y. Clothesline clamping device. 2,469,783, May 10.
- Pipkin, Marvin: *See*—
Jordan, Paul B., and Pipkin.
- Pippin, Clarence A., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for handling molten magnesium and its alloys. 2,468,704, Apr. 26.
- Piquerez, Erwin, Bassecourt, Switzerland. Watch. 2,467,050, Apr. 12.
- Pirani, Marcello: *See*—
Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.
- Pirelli Società Per Azioni, assignee: *See*—
Bedini, Nerino.
Zona, Vittorio.
- Piretra, Anna, assignee: *See*—
Stroh, Wallace F.
- Pirl, Carl W., Long Beach, and K. L. Holody, Los Angeles, Calif. Ship's portable batten clip. 2,476,563, July 19.
- Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Pneumatic variable torque transmission. 2,458,726, Jan. 11.
- Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Wheel with resilient spokes. 2,470,640, May 17.
- Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Combination motor fan and brake drum. 2,488,880, Nov. 22.
- Pirwitz, Friedrich A. G., assignor to Wollensak Optical Company, Rochester, N. Y. Built-in flashlight and shutter synchronizer with adjustable delay means. 2,480,604, Aug. 30.
- Pirwitz, Friedrich A. G., assignor to Wollensak Optical Company, Rochester, N. Y. Flashlight and shutter synchronizer having adjustable switch actuating member. 2,483,023, Sept. 27.
- Pirwitz, Paul G., Marshfield, Wis. Crank pin hone. 2,491,578, Dec. 20.
- Pirz, Joseph J., Flushing, N. Y. Construction form for concrete floors. 2,459,044, Jan. 11.
- Pirz, Joseph J., Flushing, N. Y. Concrete wall form. 2,459,719, Jan. 18.
- Piskur, Michael M., and J. W. Higgins, assignors to Swift & Company, Chicago, Ill. Antioxidant for fats. 2,461,080, Feb. 8.

- Pistey, George, Vallejo, Calif. Handle equipped frying pan with holder for pancake turners. 2,489,194, Nov. 22.
- Pistey, John M., Fairfield, Conn., assignor to General Electric Company. Lamp holder for circular fluorescent lamps. 2,492,764, Dec. 27.
- Pistone, William R., Kansas City, Mo., assignor of one-half to A. Anch. Mirror-lined cellorette. 2,488,035, Nov. 15.
- Piszel, Andrew F., North Arlington, N. J. Automatic ampoule sealer. 2,491,762, Dec. 20.
- Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft control. 2,473,299, June 14.
- Pitha, John J., Jamaica, and R. Ward, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Doubly activated infrared phosphors and preparing same. 2,462,547, Feb. 22.
- Pitisci, Joseph S., Miami Springs, Fla., assignor to Wright Aeronautical Corporation. Locking plate. 2,469,441, May 10.
- Pitney-Bowes, Inc., assignee: *See*—
Rouan, Francis J., and Hanson.
- Pitometer Log Corporation, assignee: *See*—
Chandler, Edward F.
Holst, Knute A.
- Piton, Charles, Geneva, Switzerland, assignor to Hermann Thorens S. A. Device for securing an element of an oscillating electric circuit to a support. 2,461,441, Feb. 8.
- Piton, Charles, Geneva, Switzerland, assignor, by mesne assignments, to Hermann Thorens S. A. Assembling variable condensers. 2,464,716, Mar. 15.
- Pitrot, Adrian R.: *See*—
Stewart, Alexander, Pitrot, and Willihnganz.
Williams, Francis J., and Pitrot.
- Pitrot, Adrian R., Hempstead, assignor to National Lead Company, New York, N. Y. Basic lead sulfate pigment. 2,460,241, Jan. 25.
- Pitt, Frederick D., River Forest, assignor to Wilson-Jones Company, Chicago, Ill. Binder mechanism. 2,477,417, July 26.
- Pitt, Paul A., assignor to Solar Aircraft Company, San Diego, Calif. Crossflow heat exchanger. 2,462,421, Feb. 22.
- Pitt, Paul A., and H. A. Sprenger, assignors to Solar Aircraft Company, San Diego, Calif. Expansion joint for exhaust structures. 2,458,635, Jan. 11.
- Pitt, Paul A., San Diego, and C. O. Moe, Chula Vista, assignors to Solar Aircraft Company, San Diego, Calif. System for recovering water from exhaust gas. 2,487,176, Nov. 8.
- Pitter Gauge & Precision Tool Co. Limited, assignee: *See*—
Glover, Leonard E.
- Pittinger, Alphonse H., assignee: *See*—
Pittinger, Fred W.
- Pittinger, Fred W., assignor of one-half to A. H. Pittinger, Akron, Ohio. Curtain rod bracket. 2,480,260, Aug. 30.
- Pittlick, Louis J., Fords, N. J. Material loading and unloading apparatus. 2,464,098, Mar. 8.
- Pittman, Harry C., Richmond, Ind. Ladderman's shoe insert. 2,490,469, Dec. 6.
- Pittman, Ralph R.: *See*—
Yonkers, Edward H., Jr., and Pittman.
- Pittman, Ralph R., North Little Rock, Ark. Voltage-limiting air interrupter. 2,467,443, Apr. 19.
- Pittman, Ralph R., North Little Rock, Ark. Multiple gap air interrupter. 2,473,819, June 21.
- Pittman, Ralph R., North Little Rock, Ark. Flame suppressing arrester construction. 2,492,652, Dec. 27.
- Pitts, George B., assignee: *See*—
Hanson, Edward.
- Pitts, John E., Jr., Los Angeles, Calif. Automatic instantaneous electric water heater. 2,474,637, June 23.
- Pitts, Robert D., Cedar Rapids, Iowa. Portable drill. 2,466,965, Apr. 12.
- Pittsburgh Consolidation Coal Company, assignee: *See*—
Davies, Caleb, Jr., and York.
- Pittsburgh Corning Corporation, assignee: *See*—
Ford, Walter D.
Kohl, John C., and J. A. Desmone.
- Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.
- Pittsburgh-Erie Saw Corporation, assignee: *See*—
Wilson, Henry E., and Wilson.
- Pittsburgh Pipe Cleaner Company, assignee: *See*—
Robinson, Lawrence R., and Lang.
- Pittsburgh, Lawrence R., and K. I., and Berger.
- Pittsburgh Plastic Tile Company, assignee: *See*—
Brown, Richard G.
- Pittsburgh Plate Glass Company, assignee: *See*—
Black, Lloyd V.
Botteron, Donald G.
Cravener, Earl.
Devol, Manson L.
Eiderman, George E.
Gerhart, Howard L.
Haux, Elmer H.
Jackson, James O.
Knudsen, Percy E., and Hanley.
Marini, Herman R.
- Pittsburgh Plate Glass Company, assignee: *See*—Continued.
Marshall, Wallace P.
Moffett, Eugene W.
Pechukas, Alphonse.
Stevens, Henry C.
Strain, Franklin.
Strain, Franklin, and Newton.
Swan, Donald R.
Toney, Edward F.
- Pittsburgh & West Virginia Railway Company, The, assignee: *See*—
Hooper, Edward E.
- Pityo, Albert F.: *See*—
Kershaw, Henry, and Pityo.
Kershaw, Henry, Pityo, and Butterfield.
- Pityo, Albert F., Clifton, and H. E. Butterfield, Jr., Maplewood, N. J. Method of and apparatus for forming and welding contacts. 2,477,894, Aug. 2.
- Pitzer, Kenneth S., Contra Costa County, Calif., assignor to the United States of America as represented by the Secretary of War. Indirect sighting instrument for rockets. 2,463,200, Mar. 1.
- Place, Charles I., Norfolk, Conn. Variable-speed and torque drive. 2,467,226, Apr. 12.
- Place, Charles I., Norfolk, Conn. Wheel and frame assembly. 2,485,770, Oct. 25.
- Plachecki, Alexander J.: *See*—
Davis, Robert L., and Plachecki.
- Plagenberg, Walter A., Sr.: *See*—
Frank, John R., Plagenberg, and McCarty.
- Plage, Vernon L., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric lamp manufacture. 2,464,990, Mar. 22.
- Plaitowe, Donald L., and R. P. Shipway, Chelmsford, England, assignors to Radio Corporation of America. Cathode-ray tube deflecting system. 2,469,051, May 3.
- Plambeck, Louis, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Precipitating polymer from aqueous emulsion. 2,458,636, Jan. 11.
- Plambeck, Louis, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing vinyl halides. 2,462,422, Feb. 22.
- Plambeck, Louis, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolyzing vinyl ester polymers. 2,467,774, Apr. 19.
- Planert, Edward H., assignor to Planert Skate Company, Chicago, Ill. Protector for skate blades. 2,466,475, Apr. 5.
- Planert Skate Company, assignee: *See*—
Planert, Edward H.
- Plank, Charles J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing porous glass catalysts. 2,472,490, June 7.
- Plank, Charles J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Forming porous glass and composition thereof. 2,480,672, Aug. 30.
- Plank, Charles J., and J. F. Socolofsky, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation of phenol by alkyl halides catalyzed by finely divided gels of certain drying oils. 2,460,793, Feb. 1.
- Plank, William C., Vallejo, Calif. Nonintermittent motion-picture projector. 2,460,432, Feb. 1.
- Plant, John H., Aurora, Ill. Antiglare lens structure for headlights and the like. 2,472,850, June 14.
- Plante, Alfred J., assignor of one-half to D. Cloutier, Augusta, Maine. Hoist clamp. 2,461,394, Feb. 8.
- Plasmelt Corporation, assignee: *See*—
Zabel, William C. F., and Helfenbein.
- Plass, Raymond E., Berkeley, assignor to Ray Oil Burner Co., San Francisco, Calif. Burner control system, including a viscosity sensitive by-pass valve. 2,471,541, May 31.
- Plastaras, James C., Laurelton, N. Y., assignor to Mergenthaler Linotype Company. Latch operated clutch for typographical casting machines. 2,485,771, Oct. 25.
- Plastic Binding Corporation, assignee: *See*—
Spinner, Philip V.
- Plastic Engineering, Inc., assignee: *See*—
Neal, Harry E.
- Plastic Wire & Cable Corporation, The, assignee: *See*—
Flood, James E.
- Plastikpl Laboratories, Inc., assignee: *See*—
Zimmerman, Sol M.
- Plas-Tk-Bits, Inc., assignee: *See*—
Wagner, Arthur E., and Camp.
- Platt, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Heterocyclic amines. 2,470,108, May 17.
- Platt, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Heterocyclic amines. 2,470,109, May 17.
- Platt, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Preparing N-di(Beta benzoyl-ethyl)-lower alkylamines. 2,489,668, Nov. 29.
- Platt, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of 1-alkyl-3-benzoyl-4-hydroxy-4-phenyl-piperidines. 2,489,669, Nov. 29.

- Platon, Edmond D. V., Paris, VII, France, assignor to International Standard Electric Corporation, New York, N. Y. Built-in heat exchanger in expansion valve structures. 2,471,448, May 31.
- Platt Brothers & Company Limited, assignee: *See*—
Marsden, Irvin.
Marsden, Irvin, and Collins.
Pierrepoint, Donald.
- Platt, Edward V., Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Time switch. 2,474,494, June 28.
- Platt, Harry E., Ottumwa, Iowa. Boat derrick. 2,465,118, Mar. 22.
- Platt, Haviland H., New York, N. Y., assignor, by mesne assignments, to McDonnell Aircraft Corporation, St. Louis, Mo. Rotor blade. 2,475,337, July 5.
- Platt, Joseph B.: *See*—
Murtagh, Gilbert, and Platt.
- Platt Luggage, Inc., assignee: *See*—
Goodman, William L., Jr.
- Platts, Vern G., Phillips, Tex., assignor to Phillips Petroleum Company. Liquid flow measuring apparatus. 2,473,765, June 21.
- Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,471,837, May 31.
- Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Switch. 2,487,725, Nov. 8.
- Plax Corporation, assignee: *See*—
Bailey, James.
Bailey, James, and Canfield.
Wiley, Fred E.
- Playdon, George W., U. S. Coast Guard. Gun sight. 2,487,828, Nov. 15.
- Pleasant, Herman E., assignor to Crampton Manufacturing Company, Holland, Mich. Valve-actuating lever. 2,469,000, May 3.
- Pledger, William A., San Francisco, Calif. Ventilating device for kitchens and kitchen stoves. 2,481,341, Sept. 6.
- Pleet, Emanuel J., Baltimore, Md. Apparel construction. 2,477,938, Aug. 2.
- Piensler, Alexander W., assignor to Belmont Radio Corporation, Chicago, Ill. Control apparatus. 2,488,099, Nov. 15.
- Plessey Company Limited, The, assignee: *See*—
Moore, Norman C.
- Plett, Abe, Inman, Kans. Thermostatic water control. 2,463,640, Mar. 8.
- Plhak, Bernadette, La Salle, Ill. Molding toy. 2,458,728, Jan. 11.
- Plock, John, Southold, N. Y. Oyster opening method. 2,473,608, June 21.
- Plock, John L., Southold, N. Y. Oyster opening apparatus. 2,473,609, June 21.
- Ploeg, Byron V., assignee: *See*—
Kimura, Tsuchinojo.
- Ploehn, John H., Bettendorf, Iowa, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim attaching means. 2,474,956, July 5.
- Plotner, Raymond, Lawrence, assignor to The W. J. Small Company, Inc., Neodesha, Kans. Dehydrator. 2,487,369, Nov. 8.
- Plott, Ernest B.: *See*—
Stanier, John S., and Plott.
- Plouff, Clifford E., Seahurst, assignor, by mesne assignments, to Pacific Manufacturing & Engineering Corp., Seattle, Wash. Line dispensing container. 2,473,072, June 14.
- Plum, Leroy H., Haddon Heights, assignor to Warren Webster & Company, Camden, N. J. Radiator construction. 2,482,595, Sept. 20.
- Plumley, Robert J., Williamsville, N. Y. Scraper for battery posts. 2,475,514, July 5.
- Plumly, George W., assignor to General Motors Corporation, Dayton, Ohio. Compensation selector. 2,486,874, Nov. 1.
- Plummer, Clifford A., Dedham, assignor to Telesco, Inc., Boston, Mass. Combination garden tool. 2,486,434, Nov. 1.
- Plummer, Fred L., assignor to Hammond Iron Works, Warren, Pa. Seal for floating tank covers. 2,478,422, Aug. 9.
- Pump, Ernst H., Berlin, Germany; vested in the Attorney General of the United States. Receiver for frequency-modulated waves. 2,491,331, Dec. 13.
- Pump, Ralph E., Pittsfield, Mass., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Producing a solid pentachloropropane. 2,478,008, Aug. 2.
- Plunkett, Roy J.: *See*—
Clem, Willis J., and Plunkett.
- Plunkett, Roy J., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing tetraethyl lead. 2,477,465, July 26.
- Plymold Corporation, assignee: *See*—
Goldman, Paul R.
- Plymouth Cordage Company, assignee: *See*—
Billey, Peter R.
- Plymouth Rubber Company, Inc., assignee: *See*—
Danovitch, Morris M.
- Pneumatic Scale Corporation, Limited, assignee: *See*—
Eaton, Lewis B.
Everett, Arthur C.
Hultin, Oscar H.
Ross, Norman S.
Vergobbi, John G.
- Poch, Waldemar J., Moorestown, N. J., assignor to Radio Corporation of America. Deflection circuits. 2,479,081, Aug. 16.
- Poch, Waldemar J., Moorestown, N. J., assignor to Radio Corporation of America. Transmitter apparatus. 2,489,813, Nov. 29.
- Pochini, Eugenia K., San Francisco, Calif. Clothes hanger. 2,480,420, Aug. 30.
- Pöckel, Irving, Wellesley, Mass. Making mustard gas resistant fabric. 2,481,532, Sept. 13.
- Podell, Jacob J., New York, N. Y. Buoyant belt with wearing apparel. 2,463,641, Mar. 8.
- Podhajsky, Theodore A.: *See*—
McElhinney, Eric M., and Podhajsky.
- Podhajsky, Theodore A., Traer, Iowa. Blade lifting device for power hack saws. 2,471,700, May 31.
- Podufaly, Joseph: *See*—
Kremko, Daniel, and Podufaly.
- Podvinec, Dorothy P., administratrix: *See*—
Podvinec, Stephen J., and Papa.
- Podvinec, Stephen J., New York, and W. J. Papa, Bay-side, N. Y.; D. P. Podvinec, administratrix of said S. J. Podvinec, deceased. Playground slide. 2,482,637, Sept. 20.
- Pofcher, Frank R., Venice, Calif. Inlay remover. 2,488,036, Nov. 15.
- Pohl, Elsa, New York, N. Y. Collapsible luggage carrier. 2,469,242, May 3.
- Pohl, Ernest F., assignee: *See*—
Douglass, Isaac W.
- Pohl, Herman L., San Francisco, Calif., assignor to Dispos-A-Tube, Inc. Enema tube. 2,474,188, June 21.
- Pohl, Walter M.: *See*—
Kearney, Edward J., Armitage, and Pohl.
- Pohm, George H., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Rectifier mounting assembly. 2,463,557, Mar. 8.
- Pohm, George H., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Rectifying arrangement. 2,473,662, June 21.
- Pohm, George H., and H. M. Huge, assignors, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Electric control circuit. 2,489,814, Nov. 29.
- Pohrer, Joseph P., assignee: *See*—
Lindae, William H.
- Points, Jesse M., Rockport, Tex. Fisherman's implement. 2,477,201, July 26.
- Polissant, William G., Youngstown, Ohio. Bottle cooling and display device. 2,471,581, May 31.
- Poitras, Edward J., Holliston, Mass. Abnormal temperature and ground detector alarm system. 2,469,001, May 3.
- Pokorny, Stephen S., Fort Dodge, Iowa. Loader for tractors. 2,482,365, Sept. 20.
- Pokorny, Stephen S., Maquoketa, Iowa. Push-off hay stacker. 2,485,110, Oct. 18.
- Pokorny, Stephen S., Rutland, and H. E. Luebbers, Fort Dodge, Iowa. Tractor loading attachment. 2,465,476, Mar. 29.
- Pokras, Adolph, assignor to A. O. Smith Corporation, Milwaukee, Wis. Seal for hot-water tanks. 2,486,675, Nov. 1.
- Pokras, Adolph, Whitefish Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Stopper. 2,475,048, July 5.
- Pokras, Adolph, Whitefish Bay, assignor to A. O. Smith Corporation, Milwaukee, Wis. Clothes drier. 2,477,820, Aug. 2.
- Poláček, Jirí, Rokycany, Czechoslovakia. Tricycle. 2,481,683, Sept. 13.
- Polacsek, Maurice, Brooklyn, N. Y. Match splint. 2,462,772, Feb. 22.
- Polacsek, Maurice, Brooklyn, N. Y. Match splint. 2,462,773, Feb. 22.
- Polak, James J., West Asheville, assignor to American Enka Corporation, Enka, N. C. Treatment of spinnerets to minimize contamination thereon. 2,483,783, Oct. 4.
- Poland, Frank F., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Recovering zinc from zinciferous material containing iron. 2,463,468, Mar. 1.
- Poland, Frank F., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Electric furnace. 2,472,612, June 7.
- Poland, Frank F., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Electric resistance furnace. 2,472,613, June 7.
- Poland, Frank F., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Electric resistance furnace. 2,491,579, Dec. 20.
- Polandi, Josephine P., assignee: *See*—
Prati, Enrico.

- Polaroid Corporation, assignee: *See*—
 Bachelder, Albert J.
 Barnes, Arthur.
 Brown, Clarence O., and Fairbank.
 Chubb, Lewis W., Jr.
 Cochran, Clarence W.
 Fairbank, Murry N.
 Gannon, Millard T.
 Husek, Helen P.
 Kriebel, Richard T.
 Land, Edwin H.
 Land, Edwin H., Fairbank, and Grey.
 Messina, Rosario J., and Wolff.
 Richardson, John H.
 Rolando, Charles O.
 Smith, Robert A.
 Wolff, Otto E.
 Woodward, Robert B., and Doering.
- Polevoy, Stephen V., New York, N. Y. Fishing reel. 2,458,298, Jan. 4.
- Polglase, Thomas R., Spring Lake, and H. J. Hoebeke, Muskegon, Mich., assignors to Anaconda Wire and Cable Company. Shipping package for heavy spools. 2,482,869, Sept. 27.
- Polite, Joseph, Detroit, Mich. Hat well. 2,465,477, Mar. 29.
- Polis, Samuel N., Brooklyn, N. Y. Wind protected card table top. 2,490,649, Dec. 6.
- Politzer, Irving, New York, N. Y. Book box consisting of accordion folded pages in a box. 2,458,729, Jan. 11.
- Polivka, Dorothy R., executrix: *See*—
 Polivka, George J.
- Polivka, George J., La Grange, Ill., deceased; D. R. Polivka, executrix. Milking barn. 2,472,122, June 7.
- Polivka, John A., La Grange, and J. R. Searles, Downers Grove, Ill. Apparatus for removing and replacing wheels. 2,463,419, Mar. 1.
- Polk Development Company, The, assignee: *See*—
 Polk, Ralph, Sr., and Ralph, Jr.
- Polk, Dolly M.: *See*—
 Polk, Lester L., and Dolly M.
- Polk, Edwin H., U. S. Navy. Exhaust turbine driven fan and supercharger. 2,485,655, Oct. 25.
- Polk, Gilbert C., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Heat exchange apparatus. 2,463,996, Mar. 8.
- Polk, Lester L. and D. M., New Orleans, La. Bust support. 2,468,106, Apr. 26.
- Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding machine with automatic feed crush dressing roll. 2,469,988, May 10.
- Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding machine with crush-dressing attachment. 2,477,415, July 26.
- Polk, Louis F., and R. Mahlmeister, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,465,035, Mar. 22.
- Polk, Ralph, Jr.: *See*—
 Polk, Ralph, Sr., and Ralph, Jr.
- Polk, Ralph, Sr., and Ralph, Jr., assignors to The Polk Development Company, Tampa, Fla. Method and apparatus for sectionalizing citrus fruit. 2,489,195, Nov. 22.
- Pollack, Jacob E., Dundalk, Md. Toothbrush. 2,483,503, Oct. 4.
- Pollak, Abraham, Linfield, Pa. Floating motor mount. 2,471,773, May 31.
- Pollak, Arthur, J. J. Keilen, Jr., and L. F. Drum, Charleston, S. C., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Producing lignin from black liquor. 2,464,828, Mar. 22.
- Pollak, Frederick F., Brooklyn, and J. Fassel, Mamaroneck, N. Y. Manufacture of waterproof and water-repellent noninflammable fibrous materials. 2,464,342, Mar. 15.
- Pollak, Harry, San Francisco, Calif. Belt purse. 2,474,495, June 28.
- Pollak, Peter I.: *See*—
 Zerner, Ernst, and Pollak.
- Pollard, Charles E., Detroit, Mich. Fifth wheel assembly. 2,482,868, Sept. 27.
- Pollard, Charles E., Jr.: *See*—
 Brown, John T. L., and Pollard.
- Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury contact device. 2,473,693, June 21.
- Pollard, Ernest B., and T. J. Borchardt, Welcome, Minn. Stalk cutter. 2,479,510, Aug. 16.
- Pollard, Ernest C., Welcome, Minn. Windrow lifter and turner. 2,459,961, Jan. 25.
- Pollard, Howard A., Manner, Calif. Elevator and support for ceiling and wall board. 2,468,230, Apr. 26.
- Pollard, John D.: *See*—
 Studeny, John, Pollard, and Landes.
- Pollard, John R., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Carpet laying instruction apparatus. 2,465,748, Mar. 29.
- Polleau, Robert, Moras-en-Valloire, France. Self-locking telescopic stand leg. 2,476,216, July 12.
- Pollays, Herbert R., New Haven, Conn., assignor to Wellman Company, Medford, Mass. Sole cutting machine. 2,469,518, May 10.
- Pollifrone, Frank, Mill Valley, Calif. Dry shaver. 2,458,417, Jan. 4.
- Pollitz, Harold C., assignor to Iowa Manufacturing Company, Cedar Rapids, Iowa. Earth compactor. 2,466,822, Apr. 12.
- Pollman, Adam F., Milwaukee, assignor of one-half to I. M. Jones, River Hills, Wis. Metal scaffold plank. 2,485,165, Oct. 18.
- Pollman, Richard B., Detroit, Mich. Architect's instrument for determining the direction of the sun's rays. 2,478,315, Aug. 9.
- Pollock, Alan A., Leamington Spa, England, assignor to General Electric Company. Commutator for dynamo-electric machines and making the same. 2,486,875, Nov. 1.
- Pollock, Frank S., Jr., Martinsville, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Drawtwister. 2,474,912, July 5.
- Pollock, Gordon B., South Laguna, Calif. Electrical socket. 2,477,895, Aug. 2.
- Pollock, Herbert C., and W. F. Westendorp, Schenectady, N. Y., assignors to General Electric Company. Imparting high energy to charged particles. 2,485,409, Oct. 18.
- Pollock, Jacob, Kew Gardens, assignor to J. Pollock and A. Warsher, doing business as General Fibre Products Co., Maspeth, N. Y. Moisture tester. 2,491,689, Dec. 20.
- Pollock, John A., and E. H. Coppinger, Bainbridge, Ga., assignors to W. N. Matthews Corporation, St. Louis, Mo. Gang operated switch. 2,470,576, May 17.
- Pollock, Kenneth W., Fort Scott, Kans. Overall. 2,492,499, Dec. 27.
- Pollock, Martin S., assignor to Zephyr American Corporation, New York, N. Y. Inkwell. 2,466,736, Apr. 12.
- Pollock, Neil J., Chicago, Ill. Nail holder and punch. 2,462,774, Feb. 22.
- Pollock, Willard M., Glen Ellyn, assignor to The Goss Printing Press Company, Chicago, Ill. Ink fountain. 2,477,141, July 26.
- Pollock, Willard M., Glen Ellyn, assignor to The Goss Printing Press Company, Chicago, Ill. Oil seal. 2,487,177, Nov. 8.
- Pollock, William E., Greenbelt, Md. Electric firing mechanism. 2,479,590, Aug. 23.
- Pollovas Patents Limited, assignee: *See*—
 Montrose-Oster, Louis E. W.
- Polly Delphia Jane Rogers Contreras, assignee: *See*—
 Rogers, James H.
- Polson, Gladys, assignee: *See*—
 Garrett, Elmer E., Steck, and Yasensky.
 Powell, Carlyle D.
 Ryan, William H., and Walworth.
- Polson, Kenneth M., Williams, Ariz. Floor waxing device. 2,470,837, May 24.
- Polster, Norman E.: *See*—
 Wilson, Benjamin J., Machler, Polster, and Murray.
- Poltorak, Emil J., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Folded fabric gasket and manufacture. 2,459,720, Jan. 18.
- Poltorak, Emil J., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacturing gaskets. 2,459,721, Jan. 18.
- Poluektoff, Jean P., Paris, France. Compressed-air pump installation, working under hydrostatic pressure. 2,463,804, Mar. 8.
- Polychrome Corporation, assignee: *See*—
 Halpern, Gregory.
- Polydoroff, Wladimir J., Glencoe, Ill. Ferro magnetic variable high-frequency inductors. 2,462,423, Feb. 22.
- Polye, William R., River Edge, and J. R. Peek, Ridgefield, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control device. 2,463,805, Mar. 8.
- Polye, William R., River Edge, and W. E. Brandau, Westwood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Temperature probe of the thermocouple type. 2,483,350, Sept. 27.
- Polymer Corporation, The, assignee: *See*—
 Stott, Louis L.
- Polymerisable Products Limited, assignee: *See*—
 Weizmann, Charles.
- Polytechnic Institute of Brooklyn, assignee: *See*—
 Pitha, John J., and Ward.
- Pomerantz, Barnett, Brooklyn, N. Y. Fluorescent line and momentary contact switch. 2,466,910, Apr. 12.
- Pomeroy, Richard C., Westchester, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Adjustable current transformer. 2,472,546, June 7.
- Pomeroy, S. H., Company, Inc., assignee: *See*—
 Spiess, Charles J.
- Pomes, Adrian F.: *See*—
 Arthur, Jett C., Jr., Karon, Pomes, and Altschul.
- Pommier, Henry, New York, N. Y. Jewelry clasp or the like. 2,460,531, Feb. 1.
- Poncelet, Jules V. E. M., Brussels, assignor to Anciens Ateliers Victor Charpentier et Compagnie, Société de Personnes a Responsabilite Limitee, Dolheim, Belgium. Drier of the continuous type for textile materials. 2,479,049, Aug. 16.
- Pond, Harold G., Laramie, Wyo. Adjustable balance rail for keyboards. 2,467,495, Apr. 19.
- Pond, Harold J., and D. A. Arones, assignors to Advance Machine Company, Minneapolis, Minn. Terrazzo grinder. 2,484,906, Oct. 18.

- Pond, James C., Glen Ellyn, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone call recording system. 2,477,252, Aug. 16.
- Pond, William B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Ice detector means. 2,476,217, July 12.
- Ponomareff, Alexander I., Havertown, Pa., assignor, by mesne assignments, to Westinghouse Electric Corporation. Refrigerant compressor. 2,458,730, Jan. 11.
- Ponomareff, Alexander I., Havertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Condenser apparatus. 2,472,615, June 7.
- Ponomareff, Alexander I., Havertown, and A. F. Schwendner, Ridley Park, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Axial flow compressor. 2,478,423, Aug. 9.
- Pons, John A., Morganton, assignor to Greensboro Textile Supply Company, Greensboro, N. C. Tension device. 2,472,614, June 7.
- Ponte, Maurice, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Current rectifier tube. 2,467,693, Apr. 19.
- Pontecorvo, Paul J.: See—
Bruck, George G., and Pontecorvo.
Bruck, George G., Volz, Pontecorvo, and Vosburgh.
- Pontecorvo, Paul J., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Modulator. 2,462,893, Mar. 1.
- Pontiere, Stanley M., Philadelphia, Pa., assignor of one-half to E. P. Grillo, Ocean City, N. J. Self-adjusting sea wall. 2,462,775, Feb. 22.
- Pontiere, Stanley M., Philadelphia, Pa. Wall mold form. 2,490,228, Dec. 6.
- Ponting, Ralph, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Controlling apparatus for positioning guns. 2,464,654, Mar. 15.
- Pontius, George W., III: See—
Ulrich, Bernhard, Jr., and Pontius, III.
- Pontius, John C.: See—
Nicholson, Madison G., Jr., and Pontius.
- Pontius, Peter A.: See—
Miller, Stephan, and Pontius.
- Pool, Stuart D., Moline, Ill., assignor to International Harvester Company. Cooperative feeding auger for harvester platforms. 2,478,009, Aug. 2.
- Pool, Stuart D., Moline, Ill., assignor to International Harvester Company. Floating pickup. 2,488,738, Nov. 22.
- Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for the preparation of artificial materials. 2,485,772, Oct. 25.
- Poole, Arthur B., Harwinton, Conn. Synchronous electric alarm clock. 2,467,694, Apr. 19.
- Poole, Arthur B., Harwinton, Conn. Rotary motion-translating device. 2,482,434, Sept. 20.
- Poole, Arthur B., Harwinton, Conn. Ratchet mechanism for timepieces. 2,482,435, Sept. 20.
- Poole, Arthur B., Harwinton, Conn. Automatic electric toaster and the like. 2,485,456, Oct. 18.
- Poole, Brereton, Bradley Farms, Md. Sterilizing wooden baskets. 2,491,015, Dec. 13.
- Poole Bros. Inc., assignee: See—
Mateo, Manuel J., Jr.
- Poole, Charles S., Los Angeles, Calif. Vehicle scale. 2,482,027, Sept. 13.
- Poole, David M., Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn. Control for spill ports for free-piston units. 2,458,198, Jan. 4.
- Poole, Ernest T.: See—
Condit, William B., Helfrick, and Poole.
- Poole, Foster M., Dallas, Tex. Gauge for external measurements of cylindrical bodies. 2,474,802, June 28.
- Poole, J. Gregory, assignee: See—
Steinhoff, John R.
- Pool, John E., Washington, D. C. Waterproof clip. 2,477,650, Aug. 2.
- Poole, Michael J., London, England. Electronic detection system. 2,491,904, Dec. 20.
- Poole, Ralph, London, England. Heat exchange apparatus for fluids. 2,471,582, May 31.
- Poor & Company, assignee: See—
Bates, Sidney E.
Chester, Allan E., and Reisinger.
McLaughlin, Richard A.
Preston, Frederick A.
- Poor, Edward N.: See—
Barthel, Justus C., Davis, and Poor.
- Poor, Tom W. and J. E. Kisinger, Stiwell, Kans. Tractor jack. 2,463,305, Mar. 1.
- Poorman, Fred S., Washington, D. C. Aircraft gunnery practice range. 2,457,832, Jan. 4.
- Poorman, Robert F.: See—
Wetzel, Joseph L., Chakiris, and Poorman.
- Pope, Daniel K., Wapakoneta, assignor to Texlube Corporation, Cleveland, Ohio. Twister ring lubricating device. 2,479,401, Aug. 16.
- Pope, Louis A., Melrose, Mass. Germicide lamp installation. 2,485,410, Oct. 18.
- Pope, Oscar C., Petaluma, Calif. Holding attachment in coffins or the like. 2,459,335, Jan. 13.
- Pope, Robert E.: See—
Geis, Lester, and Pope.
- Poplin, Nelia G.: See—
Adam, Louis D., and Poplin.
- Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Housing for electrical switches. 2,459,837, Jan. 25.
- Popp, Rudolf, and M. C. Carlson, assignors to McGill Manufacturing Company, Inc., Valparaiso, Ind. Nonrolling lamp guard. 2,478,010, Aug. 2.
- Poppe, George W., Brooklyn, assignor to Equitable Paper Bag Co. Inc., Long Island City, N. Y. Paper bag tube severing machine. 2,466,823, Apr. 12.
- Poppenga, William B., Sioux Falls, S. Dak. Carrying attachment for binders. 2,475,196, July 5.
- Popplewell, Ranville A., South Coogee, near Sydney, assignor of one-half to W. G. Tate, Coogee, near Sydney, New South Wales, Australia. Wheelbarrow. 2,462,424, Feb. 22.
- Porath, Joseph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Shock strut. 2,492,765, Dec. 27.
- Porcelain Metals Corporation, assignee: See—
Birdwell, Benjamin F., and Gordon.
- Porcello, Morris F., assignor of forty per cent to L. W. Bishop, Battle Creek, Mich. Grinding wheel dresser. 2,485,311, Oct. 18.
- Porch, Howard L., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Delayed-action control device. 2,467,989, Apr. 19.
- Porte Mfg. Company, assignee: See—
Cueni, Clement P.
- Porse, Laurids, Pasadena, Calif. Testing automobile ignition distributors. 2,490,374, Dec. 6.
- Port, Frederick J.: See—
Mendel, Leo E., Port, and Buhman.
- Portable Industries, Inc., assignee: See—
Temple, Stanley A.
- Portal, De Witt A., Madison, Wis., assignor to Sport Products, Inc., Cincinnati, Ohio. Boxers' headgear. 2,458,025, Jan. 4.
- Porteous, John O., Pasadena, Calif. Planetary piston displacement mechanism. 2,476,383, July 19.
- Porteous, Robert W., New Westminster, British Columbia, Canada. Pelt fleshing instrument. 2,492,534, Dec. 27.
- Porter, Carter E.: See—
Carlson, Carl S., Robertson, and Porter.
- Porter, Charles A., assignor to Resistoflex Corporation, Belleville, N. J. Polyvinyl alcohol, furfural, formamide reaction product. 2,464,717, Mar. 15.
- Porter, Charles A., assignor to Resistoflex Corporation, Belleville, N. J. Plasticizing of polyvinyl alcohol compositions. 2,468,345, Apr. 26.
- Porter, Charles A., assignor to Resistoflex Corporation, Belleville, N. J. Plasticized polyvinyl alcohol compositions. 2,480,766, Aug. 30.
- Porter, Charles B. A., and C. P. Seymour, Hillingdon, assignors to H. S. Hallowell, Hayes, Middlesex, England. Forming means for profile grinding wheels. 2,469,844, May 10.
- Porter, Edward, assignor of one-fiftieth to E. Ballash, Akron, Ohio, one-twentieth to F. M. Allen, Houston, Tex., and one-fiftieth to I. Yoder, Wadsworth, Ohio. Wheel construction for amphibious vehicles. 2,479,134, Aug. 16.
- Porter, Elbert H., and F. M. Bushway, assignors to Solar Aircraft Company, San Diego, Calif. Making dies. 2,466,272, Apr. 5.
- Porter, Gilbert E., North Hollywood, assignor of one-half to R. W. Whann, Los Angeles, Calif. Brake assister. 2,488,433, Nov. 15.
- Porter, Grover D., Roscoe, Ill. Distribution apparatus. 2,474,065, June 21.
- Porter, H. K., Company, Inc., assignee: See—
Garraway, George H.
- Porter, H. K., Inc., assignee: See—
Ferguson, William H.
Geddes, John W.
- Porter, Harry F., Elkins Park, Pa. Laminated core. 2,489,977, Nov. 29.
- Porter, Henry R., Seaford, Del., assignor of one-half to Stephany Poultry Company. Apparatus for dressing fowl. 2,479,775, Aug. 23.
- Porter, Herbert C.: See—
Sullivan, Raymond H., Hardy, and Porter.
- Porter, James T., Le Mesa, Calif. Oscillating water sprinkler. 2,461,768, Feb. 15.
- Porter, John L.: See—
Byrns, Alva C., and Porter.
- Porter, John L., Palo Alto, assignor to The Permanente Metals Corporation, Oakland, Calif. Preparation of magnesium nitride. 2,487,474, Nov. 8.
- Porter, Leslie R., Jr., Peabody, Mass. Mold for casting wall slabs. 2,460,532, Feb. 1.
- Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middleboro, Mass. Electric switch. 2,474,189, June 21.
- Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middleboro, Mass. Thermostatic switch. 2,474,190, June 21.
- Porter-McLeod Machine Tool Co., Inc., assignee: See—
Chase, Earle M.
- Porter, Melvin A., assignee: See—
Broersma, Robert J.

- Portmann, Anton, Zurich, assignor of one-half to A. Ruckstuhl, Wil (St. Gall), Switzerland. Driving means for the spindles of spinning, twisting, and like machines. 2,478,979, Aug. 16.
- Portner, Louis, Margate City, N. J. Baker's peel. 2,462,672, Feb. 22.
- Portner, Louis, Margate City, N. J. Machine for forming the dough for bakers' rolls. 2,464,938, Mar. 22.
- Porton, Paul, Washington, D. C. Automatic control system for airplanes. 2,463,905, Mar. 8.
- Portz, Frederick G., Waukesha, Wis. Disintegrated newsprint-boric acid insulation composition. 2,470,641, May 17.
- Posen, Sam, assignor to Beltone Hearing Aid Co., Chicago, Ill. Wearable electronic hearing aid having the amplifier and the batteries contained in a common casing. 2,482,288, Sept. 20.
- Posey, William T., Schenectady, N. Y., assignor to General Electric Company. High-frequency reactance testing apparatus. 2,477,347, July 26.
- Poskitt, Ralph L., and G. S. Irby, Jr., Pittsfield, Mass., assignors to General Electric Company. Preparing methyl-substituted polysiloxanes. 2,467,853, Apr. 19.
- Pospiscek, Louis: *See*—
Ellison, Clifford L., and Pospiscek.
- Post, Carl B., Wyomissing, Pa., assignor to The Carpenter Steel Company. Austenitic steel having high hot hardness. 2,471,080, May 24.
- Post, Carl B., Wyomissing, and W. S. Eberly, Temple, assignors to The Carpenter Steel Company, Reading, Pa. Glass sealing alloy. 2,471,079, May 24.
- Post, Durrel E., Gates Mills, Ohio. Poultry bag. 2,471,701, May 31.
- Post Machinery Company, assignee: *See*—
Fergnani, Walter P.
- Post, Speed L., assignee: *See*—
Burke, James D., and Crooks.
- Postal, Robert H., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Thermoelectric apparatus. 2,477,348, July 26.
- Posthumus, Klaas: *See*—
Boosman, Herman B. R., Douma, and Posthumus.
- Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for detecting pulses modulated by a signal to be reproduced. 2,467,775, Apr. 19.
- Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for converting a signal of variable amplitude into pulses of constant frequency and variable duration. 2,471,168, May 24.
- Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Direction finding device. 2,473,491, June 14.
- Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency amplifier with controlled load impedance. 2,480,195, Aug. 30.
- Posthumus, Klaas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for the alternating voltage supply of a load. 2,485,773, Oct. 25.
- Posthumus, Klaas, and C. A. Gehrels, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Neutralized high-frequency amplifier. 2,477,545, July 26.
- Potash, Maxwell: *See*—
Dolnick, Arthur A., and Potash.
- Potato Chip Equipment Corporation, assignee: *See*—
Kobey, Silas M.
- Potchen, Joseph A., assignor to Haskellite Manufacturing Corporation, Grand Rapids, Mich. Partition. 2,465,603, Mar. 29.
- Potchen, Joseph A., Grand Rapids, Mich., assignor, by mesne assignments, to W. F. Scarborough, Englewood, N. J., as trustee. Method of forming wood assemblies. 2,472,023, May 31.
- Pothier, Arthur C., and A. C. Howe, Portland, Maine. Tool for removing radio tubes and vibrators. 2,491,132, Dec. 13.
- Potier, Gaston, Versailles, assignor to Societe francaise Sadir-Carpentier, Paris, France. Pulse modulating system. 2,492,004, Dec. 20.
- Potocki, Chester J.: *See*—
Schmidt, Walter H., and Potocki.
- Potter, Charles P., assignor to Wagner Electric Corporation, St. Louis, Mo. Laminated stator core structure. 2,478,316, Aug. 9.
- Potter, Charles P., Toronto, Ontario, Canada. Rotatable disk two year calendar having a gridded mask. 2,464,461, Mar. 15.
- Potter, Chauncey C., Washington, D. C. Insect excluding compartment. 2,475,515, July 5.
- Potter, Edwin B., Lowell, Mich. Bag holding device. 2,468,637, Apr. 26.
- Potter, Elbert L., and E. D. Swenson, Davenport, Iowa, assignors, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim attaching means. 2,476,766, July 19.
- Potter, Elvin H., Collingswood, N. J., assignor to Radio Corporation of America. Socket assembly for air-cooled tubes. 2,458,026, Jan. 4.
- Potter, Everett F., Schenectady, N. Y., assignor to General Electric Company. Gas-arc torch. 2,473,258, June 14.
- Potter, Everett F., Schenectady, N. Y., assignor to General Electric Company. Arc welding apparatus. 2,478,636, Aug. 9.
- Potter, Frederick M., Marblehead, Mass., assignor to General Electric Company. Dynamoelectric machine construction. 2,473,257, June 14.
- Potter Instrument Company, Inc., assignee: *See*—
Moerman, Nathan A.
- Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,469,176, May 3.
- Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,471,976, May 31.
- Potter, James L., Highland Park, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Wide band amplifier. 2,481,870, Sept. 13.
- Potter, Kenneth F., assignor to American Hoist & Derrick Co., St. Paul, Minn. Material handling apparatus. 2,465,604, Mar. 29.
- Potter, Lucy M., San Mateo, Calif. Pocket and purse ash receptacle. 2,477,419, July 26.
- Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave analysis. 2,463,642, Mar. 8.
- Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,485,457, Oct. 18.
- Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Device for portrayal of complex waves. 2,492,062, Dec. 20.
- Potter, Raymond I., Lorain, and H. Gillett, Hudson, assignors to The Standard Oil Company, Cleveland, Ohio. Internal-combustion engine conditioning compounds. 2,474,437, June 28.
- Potter, Russell L., and F. C. Huber, Detroit, Mich. Method and apparatus for shaping synthetic resins. 2,464,718, Mar. 15.
- Potter, Russell L., and F. C. Huber, Detroit, Mich. Forming flat helicoidal structures. 2,467,227, Apr. 12.
- Potter, Russell R., Jackson Heights, N. Y. Typewriting guide. 2,491,332, Dec. 13.
- Potters, Stephen, Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Self-sealing oil tank. 2,482,366, Sept. 20.
- Pottmeyer, Edward W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Valve for gas ducts. 2,467,945, Apr. 19.
- Potts, Allen H., Chevy Chase, Md., assignor to the United States of America as represented by the Administrator, Federal Works Agency. Combined hinged tray and door fastener. 2,460,533, Feb. 1.
- Potts, Lawrence D., Kenmore, N. Y., assignor to The Linde Air Products Company. Bearing. 2,482,205, Sept. 20.
- Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Message information storage device. 2,467,566, Apr. 19.
- Potts, Louis M., deceased, late of Evanston, Ill.; by M. W. C. Potts, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill. Automatic transmitter. 2,468,273, Apr. 26.
- Potts, Louis M., deceased, late of Evanston, Ill.; by M. W. C. Potts, executrix, assignor to Teletype Corporation, Chicago, Ill. Two-way regenerative repeater. 2,471,891, May 31.
- Potts, Louis M., deceased, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Photoelectric multiplex system. 2,477,821, Aug. 2.
- Potts, Louis M., deceased, Evanston, by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Divided channel telegraph system. 2,487,178, Nov. 8.
- Potts, Louis M., deceased; by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Call recording system. 2,491,205, Dec. 13.
- Potts, Martha W. C., executrix: *See*—
Potts, Louis M.
- Potts, Louis M., and M. W. C.
- Potts, Phil S., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,473,259, June 14.
- Potts, Roy C., Takoma Park, Md. Carton securing means and using same. 2,463,306, Mar. 1.
- Potts, Roy C., Takoma Park, Md. Handhold and card pocket. 2,481,871, Sept. 13.
- Potts, Roy C., Takoma Park, Md. Collapsible shipping case. 2,491,206, Dec. 13.
- Potts, Vinson S., Philadelphia, Pa. Level controlled liquid dispenser. 2,488,236, Nov. 15.
- Pounds, Vester O., Kansas City, Mo., assignor to J. W. Scovel, Independence, Kans., as trustee. Fluid operated pumping mechanism. 2,490,323, Dec. 6.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Screw locking device. 2,469,311, May 3.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Screw locking device. 2,469,312, May 3.
- Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Self-locking and sealing screw. 2,484,644, Oct. 11.

- Povich, Ivan G., St. Louis, Mo. Quick find key holder. 2,465,605, Mar. 29.
- Powdermaster Products Inc., assignee: *See—*
Wolfers, Philip.
- Powell, Alfred A., Fairfax, Va. Fluid differential. 2,468,107, Apr. 26.
- Powell, Carlyle D., Perry, assignor of one-third to G. R. Rex, and one-third to G. Polson, Des Moines, Iowa. Bottle-carrying device. 2,467,696, Apr. 19.
- Powell, Charles S.: *See—*
Reiss, Raymond H., Powell, and Hahn.
- Powell, David R., Euclid, Ohio. Attachment for lawn mowers. 2,485,312, Oct. 18.
- Powell, Edward W., assignor to Hubbard Spool Company, Chicago, Ill. Spool. 2,487,726, Nov. 8.
- Powell, Edwin L., and A. E. Showalter, Washington, D. C. Mechanically interlocked pulsing dial selector switch. 2,465,397, Mar. 29.
- Powell, Frank A., Collingswood, N. J. Air vent hassock. 2,485,918, Oct. 25.
- Powell, George T., Jr., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Body for wheeled vehicles. 2,489,670, Nov. 29.
- Powell, Gordon F. W., assignor to Molins Machine Company Limited, London, England. Dynamic braking arrangements for direct current motors. 2,461,919, Feb. 15.
- Powell, John T., Washington, D. C. Automatic emergency light. 2,478,129, Aug. 2.
- Powell, Leonard A., Hyde Park, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cowl fastener. 2,479,402, Aug. 16.
- Powell, Louis H., assignor to Saint Paul Institute, St. Paul, Minn. Globe mount. 2,483,932, Oct. 4.
- Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Collapsible reel. 2,459,336, Jan. 18.
- Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil and making such. 2,459,894, Jan. 25.
- Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding electrode. 2,472,173, June 7.
- Powell, Wilson M., Berkeley, Calif., assignor to the United States of America as represented by the Atomic Energy Commission. Apparatus for magnetic measurements. 2,479,699, Aug. 23.
- Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Electrical voting system or the like. 2,471,774, May 31.
- Powell, Winfred T., Rochester, N. Y., assignor to Stromberg-Carlson Company. Line circuit for automatic telephone systems. 2,489,539, Nov. 29.
- Powells, John, New York, N. Y. Combination animal carrier and display pen. 2,470,223, May 17.
- Power, Albert H., Toronto, Ontario, Canada. Bed partition. 2,471,977, May 31.
- Power, Augustine, New York, N. Y. Stippler. 2,459,392, Jan. 18.
- Power Centre Company Limited, The, assignee: *See—*
Stevens, Arthur H., and Stevens.
- Power Equipment Company, assignee: *See—*
Bixby, William H.
- Power Jets (Research & Development) Limited, assignee: *See—*
Hawthorne, William R., and Joyce.
Kestell, Thomas A.
Lubbock, Isaac, and Battershill.
McLeod, Roderick C.
Nathan, Matthew L.
Prime, Arthur J., Whitehead, and Hawthorne.
Taylor, Tristram A.
Van Millingen, Reuel D., and White.
Walker, Daniel N., and Johnson.
Whitehead, Leslie T.
Whittle, Frank.
- Power, Wilson H.: *See—*
White, Joseph C., Baldwin, Peebles, and Power.
- Powers, Augustin J., Jr.: *See—*
Powers, Frank T., and A. J., and Wattier.
- Powers, Barron C., Montgomery, Ala., and W. H. Richards, Dayton, Ohio. Portable darkroom for developing. 2,484,048, Oct. 11.
- Powers, Conious E., Natchez, Miss. Tire making machine. 2,472,123, June 7.
- Powers, Donald H., Winchester, and E. H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile materials. 2,469,407, May 10.
- Powers, Donald H., Winchester, and E. H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile material. 2,469,408, May 10.
- Powers, Donald H., Winchester, and E. H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile materials. 2,469,409, May 10.
- Powers, Donald M., Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,481,151, Sept. 6.
- Powers, Frank B.: *See—*
Kilgore, Lee A., Godsey, Jr., Rose, and Powers.
- Powers, Frank T., Glen Cove, N. Y., F. T. Powers, Jr., and J. M. Powers, executors of said F. T. Powers, deceased, assignors to Powers Photo Engravers Company. Plate burner. 2,468,460, Apr. 26.
- Powers, Frank T., Glen Cove, A. J. Powers, Jr., Roslyn Heights, N. Y., and F. E. Wattier, St. Lambert, Quebec, Canada, assignors to Powers Photo Engraving Company, Glen Cove, N. Y. Color separation camera. 2,469,891, May 10.
- Powers, Frank T., Jr., executor: *See—*
Powers, Frank T.
- Powers, George S., New Roads, La. Cane harvesting machine. 2,458,299, Jan. 4.
- Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus. 2,469,205, May 3.
- Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus. 2,482,124, Sept. 20.
- Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus. 2,482,125, Sept. 20.
- Powers, John M., executor: *See—*
Powers, Frank T.
- Powers Manufacturing Company, assignee: *See—*
Powers, Richard E.
- Powers, Milton A., and N. H. Sutterfield, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burning apparatus. 2,491,517, Dec. 20.
- Powers Photo Engravers Company, assignee: *See—*
Powers, Frank T.
- Powers Photo Engraving Company, assignee: *See—*
Powers, Frank T., and A. J., Jr., and Wattier.
White, James W.
- Powers, Richard B.: *See—*
Keleher, William H., and Powers.
- Powers, Richard E., San Marino, assignor to Powers Manufacturing Company, Los Angeles, Calif. Hog-ring tool. 2,487,475, Nov. 8.
- Powers-Samas Accounting Machines Limited, assignee: *See—*
Thomas, Arthur.
- Powers, Stephen J.: *See—*
Chatterjea, Prafulla K., and Powers.
- Powers, Thomas J., assignor to The Dow Chemical Company, Midland, Mich. Treating sewage. 2,479,403, Aug. 16.
- Powledge, Carl B., Conroe, Tex. Steam turbine. 2,467,990, Apr. 19.
- Poyer, Charles E., Miami Beach, Fla. Sun mat. 2,480,196, Aug. 30.
- Poylo, Michel C., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Signaling system. 2,480,160, Aug. 30.
- Pozun, John L., and L. Houghton, assignors of one-third to H. C. Faust, Johnstown, Pa. Trestle. 2,461,769, Feb. 15.
- Praeger, Charles W., Woodhaven, H. Blum, Forest Hills, and H. Jochimsen, assignors to Sturdibilt Milk Box Corp., Brooklyn, N. Y. Tote box having integral handles. Re. 23,178, Nov. 29.
- Praeger, Charles W., Woodhaven, H. Blum, Forest Hills, and H. Jochimsen, Brooklyn, assignors to Sturdibilt Milk Box Corp., New York, N. Y. Tote box. 2,464,343, Mar. 15.
- Prag, Severin A., St. Louis, Mo. Dispensing-display stand. 2,458,797, Jan. 11.
- Pragel, John L., Baltimore, Md. Portable infant incubator. 2,470,721, May 17.
- Prager, Frank D., Chicago, Ill., and R. Welter, East Chicago, Ind., assignors to Graver Tank & Mfg. Co., Inc. Liquid treatment. 2,465,980, Mar. 29.
- Prager, Gustav, New York, N. Y. Photographic flash-bulb socket. 2,485,014, Oct. 18.
- Prahman, Charles E., Cincinnati, Ohio. Unit for hanging and protecting a garment. 2,473,902, June 21.
- Praizner, Edward, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape splicing machine. 2,486,204, Oct. 25.
- Prakke, Frits: *See—*
van Liempt, Johannes A. M., Prakke, Landsbergen, and van Uden.
- Prakke, Frits, W. Keeman, and K. Rodenhuis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube with plated electrode. 2,484,311, Oct. 11.
- France, Alvin W., Royal Oak, and F. Lyljynen, Detroit, Mich., assignors to Briggs Manufacturing Company. Method for making decorated laminated articles with contoured surfaces. 2,466,966, Apr. 12.
- Prassel, Victor, San Antonio, Tex. Deep well drilling device. 2,463,420, Mar. 1.
- Prati, Edward, assignee: *See—*
Prati, Enrico.
- Prati, Enrico, assignor to I. Prati, Asti, J. P. Polandi, San Francisco, and E. Prati, Asti, Calif. Box spacing means. 2,468,231, Apr. 26.
- Prati, Ida, assignee: *See—*
Prati, Enrico.
- Prati, Libero, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Mechanical converter. 2,466,864, Apr. 12.

- Pratt, Albert S., assignor to British Acoustic Films Limited, London, England. Adapter and holding means for picture film transparencies of different frame sizes in projecting apparatus. 2,477,896, Aug. 2.
- Pratt, Arthur E., Houston, Tex. Auto cleansing tissue holder. 2,488,326, Nov. 15.
- Pratt, Burt C., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making coating compositions using polyethylene coated pigments. 2,472,680, June 7.
- Pratt, Burt C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyhydric alcohol mixed esters. 2,461,920, Feb. 15.
- Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,464,344, Mar. 15.
- Pratt, Charles T., Solvay, N. Y. Trailer tire deflation signal. 2,469,931, May 10.
- Pratt, Irwin, Brooklyn, and W. B. Wollman, Jackson Heights, Long Island, N. Y. Article of jewelry and clasp therefor. 2,462,425, Feb. 22.
- Pratt, Jack C., Brooklyn Heights, N. Y. Drawing board. 2,479,511, Aug. 16.
- Pratt, James H., Wythall, and G. E. Manley, Norton Curliu, England. Clutch device. 2,491,830, Dec. 20.
- Pratt, James H., Tanners Green, Wythall, and G. E. Manley, Norton Curliu, Warwick, England. Automatic brake shoe adjuster. 2,492,237, Dec. 27.
- Pratt, John H., Montreal, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Audio amplifier circuits for radio transmitters. 2,481,533, Sept. 13.
- Pratt, John W.: See—
Bagshaw, Charles M., Coleman, and Pratt.
Elliot, Harold E., and Pratt.
- Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Last support for last inserting machines. 2,468,895, May 3.
- Pratt, Lawrence E., Riverdale, Ill. Reversible friction clutch wrench. 2,469,572, May 10.
- Pratt-Lyle Corporation, The, assignee: See—
Lyle, Jack E., and Haines.
- Pratt, Read and Company, Inc., assignee: See—
Stein, Charles F.
- Pratt, Robert H., and J. Q. Underwood, Jr., Narrows, Va., assignors to Celanese Corporation of America. Fluid flow measuring device. 2,458,637, Jan. 11.
- Pratt, Ryder, Kirkwood, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Lever operated control switch. 2,482,206, Sept. 20.
- Pratt, Ryder, Kirkwood, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Control circuit for fuel burner systems. 2,486,612, Nov. 1.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Photographic projecting, enlarging, copying, and contact printing device. 2,478,980, Aug. 16.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film processor. 2,480,767, Aug. 30.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Microfilm reading spectacles. 2,485,411, Oct. 18.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film feeding device. 2,487,476, Nov. 8.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Photographic apparatus employing a scanning device. 2,487,671, Nov. 8.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film processor having means for retaining a film loop at constant length in a U-shaped conduit. 2,488,141, Nov. 15.
- Pratt, Verneur E., G. F. Gray, and D. E. Reed, Norwalk, Conn.; said Gray and Reed assignors to said Pratt. Apparatus for automatically processing film. 2,488,142, Nov. 15.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Pad of sensitized paper. 2,488,434, Nov. 15.
- Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Apparatus for duplex photography. 2,492,005, Dec. 20.
- Pratt, Willard R., Los Angeles, assignor to Bevil Company, San Francisco, Calif. Manufacture of abrasive wheels. 2,467,596, Apr. 19.
- Pratt, Yolanda T., Mount Rainier, Md., assignor to Hercules Powder Company, Wilmington, Del. Dehydroabietic acid derivatives. 2,472,437, June 7.
- Pravda, Milton F., Bedford, assignor to The Cleveland Research Corporation, Cleveland, Ohio. Thermostatically controlled valve. 2,486,573, Nov. 1.
- Preble, Everett W., Anson, Maine. Current conveyer. 2,470,521, May 17.
- Preble, Harry, Jr., Westport, Conn., and A. K. Mayes, Arlington Heights, Mass. Dental device. 2,491,207, Dec. 13.
- Precision Instrument & Manufacturing Company, assignee: See—
McNamara, Charles J.
- Precision Metal Workers, assignee: See—
Birr, Rudolph.
Shepherd, Nathaniel T.
- Precision Parts Limited, assignee: See—
Eriksson, Leonard.
- Precision Scientific Co., assignee: See—
Bashore, Homer H.
Kurz, William.
Newman, Alexander I.
- Preco Incorporated, assignee: See—
Beemer, Paul K.
- Prediger, Fred R.: See—
Kniazuk, Michael, and Prediger.
- Prediger, William C., Long Beach, Calif. Vibratory combing and massaging device. 2,479,253, Aug. 16.
- Preisman, Louis, assignor to Barium Reduction Corporation, Charleston, W. Va. Production of carbon bisulfide and hydrogen sulfide. 2,474,067, June 21.
- Preisman, Louis, and C. F. Hobson, assignors to Barium Reduction Corporation, Charleston, W. Va. Making hydrogen sulfide. 2,474,066, June 21.
- Preload Enterprises, Inc., assignee: See—
Crom, John M.
Dobell, Curzon.
- Premier Crystal Laboratories, Incorporated, assignee: See—
Bach, Henry M.
Flynn, Floyd W.
Gordon, Herman L.
Liben, William.
- Premo, Ellis J.: See—
Waterbury, Ronald J., and Premo.
- Premo, Joseph G., Jr., Barrington, Ill. Fish lure. 2,481,445, Sept. 6.
- Premo, Lewis W., assignor to Gisholt Machine Company, Madison, Wis. Work driver. 2,465,923, Mar. 29.
- Premo, Lewis W., assignor to Gisholt Machine Company, Madison, Wis. Tool block for lathes and the like. 2,475,049, July 5.
- Premo, Owen D., Muskegon Heights, Mich. Planetary drive gearing. 2,464,890, Mar. 22.
- Premo-Pharmaceutical Laboratories, Inc., assignee: See—
Blackman, Seymour N., and Rosenblum.
- Premoli, Romualdo and P. Corbat, Baden, Switzerland. Bridge plate type rail joint. 2,460,362, Feb. 1.
- Prentice, Albert F., assignor of one-half to D. F. Prentice, Oakland, Calif. Kite parachute release. 2,463,201, Mar. 1.
- Prentice, Don F., assignee: See—
Prentice, Albert F.
- Prentice, G. E., Mfg. Co., The, assignee: See—
Legat, Robert C.
- Prentice, James M., South Hadley, Mass. Electrical jackstraws game apparatus. 2,460,146, Jan. 25.
- Prentice, James M., South Hadley, J. R. Umbach, Longmeadow, and K. Ross, Springfield, assignors to The Electric Game Company, Holyoke, Mass. Rotatable game board and piece therefor. 2,460,264, Jan. 25.
- Prentice, Russell E., Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y. Carrying cord connecting means. 2,460,363, Feb. 1.
- Prentice, Russell E., Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y. Track stop for cameras and the like. 2,467,776, Apr. 19.
- Prentice, Russell E., Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y. View finder for cameras. 2,479,254, Aug. 16.
- Prentice, Russell E., Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y. Shutter release for folding cameras. 2,483,232, Sept. 27.
- Prentice, Thomas G., Detroit, Mich. Fishing lure. 2,470,861, May 24.
- Prentiss Wabers Products Co., assignee: See—
Jenson, Kenneth S.
- Prenveille, Donald E., Oakland, Calif. Tilttable clutch plate and slidable vise jaw operated by lever-actuated eccentric. 2,467,272, Apr. 12.
- Presby, Leroy Q., Melrose, assignor to American Stay Company, East Boston, Mass. Strip cutting machine. 2,481,342, Sept. 6.
- Prescott, Arthur C., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,480,161, Aug. 30.
- Prescott, Regina S., Rosemead, Calif. Sewing aid. 2,475,460, July 5.
- Prescott, William G., E. I. Akeroyd, and E. L. Holmes, London, England, assignors to The Permutit Company, New York, N. Y. Treatment of water. 2,472,616, June 7.
- Presdorf, Robert D., Decatur, Ind. Safety hitch. 2,470,862, May 24.
- Presnell, Harry E., Mesa, Ariz. Carbo loader for vehicles. 2,480,959, Sept. 6.
- Press, David, Chicago, Ill. Adjustable curtain and drape bar mounting means. 2,484,855, Oct. 18.
- Press, Morris, Brooklyn, assignor to Miller Bros. Hat Co. Inc., New York, N. Y. Hat forming machine. 2,480,960, Sept. 6.
- Press Wireless, Inc., assignee: See—
Bartlett, Forrest A.
Chapin, Reynold S.
Ressler, Hugh C.
- Pressel, Otto, and G. A. M. Diepstraten, Carshalton, England, assignors to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-tension rectifier anode. 2,466,967, Apr. 12.
- Pressman, Irving L., Los Angeles, Calif. Template. 2,487,944, Nov. 15.

- Presstite Engineering Company, The, assignee: *See—*
Ferguson, William C., Sussenbach, and Limn.
- Pressure-Jet Systems, Inc., assignee: *See—*
Miller, Frank J.
- Presswell, Richard W.: *See—*
Smith, Esmond W., and Presswell.
- Prestien, Clyde G., Berea, Ohio. Manicure case. 2,461,177, Feb. 8.
- Presto Lighters Limited, assignee: *See—*
Farmer, Doris.
- Preston, Bertha S., Chicago, Ill. Tilttable measuring trap for bottles. 2,475,720, July 12.
- Preston, Erland S., Milwaukee, Wis. Combined oarlock and well bracket. 2,484,958, Oct. 18.
- Preston, Frederick A., Lake Forest, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Single flange rail anchor. 2,462,548, Feb. 22.
- Preston, Frederick A., Lake Forest, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,473,345, June 14.
- Preston, John: *See—*
Olson, Harry F., and Preston.
- Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic controlling system with verification of communicated messages. 2,481,239, Sept. 6.
- Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Multiple position electrically operated display indicator. 2,481,780, Sept. 13.
- Preston, Neil D., and F. B. Hitchcock, assignor to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,484,462, Oct. 11.
- Preston, William E., Evanston, A. L. Cappelen, Northbrook, and D. B. Miller, Wilmette, Ill. Pipe-line stopper. 2,476,907, July 19.
- Prêtre, Armand, Geneva, Switzerland, assignor to Montres Rolex SA (Rolex Watch Co. Ltd.). Expandable bracelet. 2,472,314, June 7.
- Pretty, George E., assignor to The Pretty-Scheffer Company, Coshocton, Ohio. Bath mat. 2,471,008, May 24.
- Pretty-Scheffer Company, The, assignee: *See—*
Pretty, George E.
- Pretty, William & Sons (1930) Limited, assignee: *See—*
Namegh, Wilfred.
- Prettyman, Irvén B., and G. P. Bosomworth, Akron, and D. C. Milner, Barberton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Cord testing apparatus. 2,459,738, Jan. 18.
- Pretzer, Daniel A., Fresno, Calif. Shotgun sight. 2,458,638, Jan. 11.
- Prezioso, Giuseppe, Yverdon, Switzerland, assignor to Paillard S. A. Sheet feeding and positioning mechanism for typewriters. 2,472,340, June 7.
- Prezioso, Giuseppe, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix. Framework for typewriters. 2,483,843, Oct. 4.
- Pribil, Victor, Floral Park, N. Y. Device for supporting infants while bathing. 2,460,308, Feb. 1.
- Price, Albert O., Leesville, assignor of one-half to V. Palumbo, Cleveland Heights, Ohio. Pump or the like. 2,471,653, May 31.
- Price, Charles P., Boston, Mass. Igniter for gas heaters. 2,483,666, Oct. 4.
- Price, Donald, New York, N. Y., and F. J. Sprules, Arlington, assignors to Nopco Chemical Company, Harrison, N. J. Alpha-halogenated keto fatty compounds. 2,481,036, Sept. 6.
- Price, Earl R.: *See—*
Thomas, Thomas H., and Price.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Antijackknife device. 2,468,705, Apr. 26.
- Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Booster for hydraulic pressure systems. 2,468,706, Apr. 26.
- Price, Edison A., assignor to Display Lighting Incorporated, New York, N. Y. Boom light. 2,459,722, Jan. 18.
- Price Electric Corporation, assignee: *See—*
Miller, Charles F.
- Wickless, William J.
- Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Power steering mechanism. 2,462,994, Mar. 1.
- Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Motor. 2,463,806, Mar. 8.
- Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Multiweight roller cam governor. 2,466,273, Apr. 5.
- Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure operated motor and switch. 2,480,768, Aug. 30.
- Price, Jerry, Brooklyn, N. Y. Tripod for cameras and other objects. 2,467,567, Apr. 19.
- Price, John E., assignee: *See—*
Peacock, Thomas W., and G. W.
- Price, John E., and T. W. Peacock, Jacksonville, Fla., assignors to Florida Land Clearing Equipment Company, Grubber. 2,491,208, Dec. 13.
- Price, Johnnie P., Monticello, and W. T. Stover, Little Rock, Ark. Speculum. 2,483,233, Sept. 27.
- Price, Laurence L., Los Angeles, Calif. Control means for towel cabinets. 2,470,186, May 17.
- Price, Laurence L., Los Angeles, Calif. Towel dispenser. 2,470,187, May 17.
- Price, Lewis C.: *See—*
Rose, Harold J., and Price.
- Price, Louis P., Honolulu, Territory of Hawaii. Prefabricated cesspool structure. 2,482,870, Sept. 27.
- Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Nozzle ring construction for turbopower plants. 2,468,461, Apr. 26.
- Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Reactive propulsion power plant having radial flow compressor and turbine means. 2,471,892, May 31.
- Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Turbo-jet power plant with fuel vaporizer for afterburners. 2,479,776, Aug. 23.
- Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fuel injection means for gas turbine power plants for aircraft. 2,479,777, Aug. 23.
- Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Variable area propulsive nozzle means for power plants. 2,487,588, Nov. 8.
- Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Electric relay. 2,462,894, Mar. 1.
- Price, Ralph E.: *See—*
Balsiger, Harold E., and Price.
- Price, Raymond M., and Associates, Inc., assignee: *See—*
Peters, Lewis E.
- Price, Robert I., Oakland, Calif. Cover for open tissue roll holders. 2,462,776, Feb. 22.
- Price, Stanley G., Bainbridge, N. Y. Refrigerating apparatus, including hydraulic lift. 2,463,307, Mar. 1.
- Price, Towson, Glen Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of alloys. 2,470,790, May 24.
- Price, Vernon J., West Dearborn, Mich. Animal trap. 2,490,540, Dec. 6.
- Price, Vernon L., San Jose, Calif. Percussion tool. Re. 23,104, Apr. 26.
- Price, Voris V., Brazil, Ind. Swinging and rotating reflecting device for motor vehicles. 2,472,438, June 7.
- Price, William G., Port Blakely, Wash. High-frequency electric separator. 2,487,272, Nov. 8.
- Price, William R., Rosemont, Pa., assignor to Flexitallic Gasket Company, Camden, N. J. Method and machine for winding composite gaskets under uniform pressure. 2,475,856, July 12.
- Prichard, Arthur C., Elberon, N. J., assignor to United States of America as represented by the Secretary of War. Radio apparatus. 2,464,258, Mar. 15.
- Prichard, John H.: *See—*
Moeller, William F., and Prichard.
Myles, William J., and Prichard.
- Prichard, John H., Bloomfield, N. J., assignor to Celanese Corporation of America. Preparing casting solutions. 2,468,233, Apr. 26.
- Prichard, John H., Springfield, N. J., assignor to Celanese Corporation of America. Preparing casting solutions of ethyl cellulose. 2,468,232, Apr. 26.
- Prickett, Russell, assignee, trustee: *See—*
Cooke, Hereward L.
- Pride, George H., New York, N. Y. Loading and unloading apparatus for vehicles. 2,459,045, Jan. 11.
- Pride, Gilbert E., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus and method for making optical devices. 2,463,906, Mar. 8.
- Priess, John F., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Vehicle air brake system. 2,489,540, Nov. 29.
- Priest, Clayton W., Boston, Mass., assignor to Continental Can Company, Inc., New York, N. Y. Metal end closure for waxed paper container bodies. 2,492,500, Dec. 27.
- Prieto, Fernando G., Los Angeles, Calif. Multiple opposed piston propulsive engine. 2,463,308, Mar. 1.
- Prieto, Fernando G., Los Angeles, Calif. Combustion engine. 2,481,872, Sept. 13.
- Prill, Edward A., Yonkers, N. Y., assignor to Boyce Thompson Institute For Plant Research, Inc. Organic compounds. 2,487,179, Nov. 8.
- Prill, Erhard J., Creskill, N. J., assignor to United States Rubber Company, New York, N. Y. Making alpha, beta-dimethylene-succinonitrile. 2,480,961, Sept. 6.
- Prime, Arthur J., Rugby, and L. T. Whitehead, Farnborough, England, and W. R. Hawthorne, Silver Spring, Md., assignors to Power Jets (Research and Development) Ltd., London, England. Internal-combustion turbine. 2,476,218, July 12.
- Prime, Carl F., assignor to Lion Manufacturing Corporation, Chicago, Ill. Tape holder. 2,475,721, July 12.
- Prime Manufacturing Company, assignee: *See—*
Ridderstrom, Andrew R.
- Prime Manufacturing Company, The, assignee: *See—*
Kelly, Daniel A.
- Primeaux, Ely, Alexandria, La. Revolving fan speed control. 2,458,098, Jan. 4.

- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Refrigerant flow controlling device. 2,480,813, Aug. 30.
- Prince, Leon M., Jr.: *See*—
Carr, Wiley W., Wilke, and Prince, Jr.
- Prince, Sadie, Bronx, N. Y. Bathing suit. 2,463,309, Mar. 1.
- Prince, Victor J., Kingston-on-Thames, England. Machine for regrounding worn crankshafts. 2,475,401, July 5.
- Prince, Victor W. J.: *See*—
Henly, Albert G., and Prince.
- Princeville, Peter: *See*—
Toti, Andrew J., and Princeville.
- Pring, Robert T.: *See*—
Nokes, Charles M., Quigley, and Pring.
- Pringle, Edward S., Norfolk, Va., assignor to The J. G. Wilson Corporation, New York, N. Y. Multiple torsion spring. 2,481,037, Sept. 6.
- Pringle, Glenn D., Lansing, Mich. Rake cleaner. 2,470,863, May 24.
- Pringle, William A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,483,151, Sept. 27.
- Pringle, William A., and W. R. Goss, Fort Wayne, Ind., assignors to General Electric Company. Dynamoelectric voltage regulator. 2,466,476, Apr. 5.
- Printing Arts Research Laboratories, Inc., assignee: *See*—
Marx, Walter S., Jr.
- Printing Machinery Company, The, assignee: *See*—
Noell, Elmer F.
- Printz, Henry B., Baltimore, Md. Shock responsive switch and valve control. 2,488,739, Nov. 22.
- Prisco, Julius, Yonkers, N. Y. Mannikin adjustment device. 2,458,917, Jan. 11.
- Prismacolor, Inc., assignee: *See*—
Anschieks, Rudolph J., Widell, and Mantsh.
- Pritchard, Frank, Chicago, Ill. Golf club construction. 2,463,053, Mar. 1.
- Pritchard, Howard A.: *See*—
Harrold, Charles W., and Pritchard.
- Pritchard, James E.: *See*—
Crouch, Willie W., and Pritchard.
- Pritchard, Joseph H., Los Angeles, Calif. Device for holding food products and the like. 2,479,700, Aug. 23.
- Pritchard, Louis L., Benton, Ark. Container for holding and dispensing perishable commodities. 2,467,155, Apr. 12.
- Pritchett, Jess, Eldorado, Ill. Safety attachment for drilling machines. 2,484,731, Oct. 11.
- Pritz, Lawrence G., North Canton, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio. Making ferro-alloys. 2,461,442, Feb. 8.
- Pritzker, Lee, Baltimore, Md. Obtaining decorative crackle finishes. 2,467,228, Apr. 12.
- Pritzker, Lee, Baltimore, Md. Coating process and article. 2,467,229, Apr. 12.
- Privott, Howard G., assignee: *See*—
Evans, Thomas J.
- Probasco, Denzil V.: *See*—
Wilson, Charles C., Cudd, and Probasco.
- Probst, Emmet, Mountain View, N. J. Fishing fly holder. 2,465,478, Mar. 29.
- Probst, Karl K., Highland Park, Mich., assignor to Henry J. Kaiser Company, Oakland, Calif. Independently suspended motor vehicle characterized by a low center of gravity. 2,463,310, Mar. 1.
- Probst, Karl K., Highland Park, Mich., assignor to Henry J. Kaiser Company, Oakland, Calif. Transfer box for four-wheel drive vehicles. 2,475,803, July 12.
- Probst, Karl K., Highland Park, Mich., assignor to Henry J. Kaiser Company, Oakland, Calif. Vehicle suspension. 2,477,822, Aug. 2.
- Procedes Sauter, assignee: *See*—
Lelong, Jean.
- Processed Surfaces, Inc., assignee: *See*—
Webb, Paul S., and Koster.
- Procoff, Michel: *See*—
Bert, Léonce, Procoff, and Blinoff.
- Procter & Gamble Company, The, assignee: *See*—
Hutchins, Ralph P., and Williamson.
Knoll, Alvin H.
Lange, Willy, and Folzenlogen.
Sanders, Judson H.
- Procter and Gamble Company, The, assignee: *See*—
Byerly, David R.
Eckey, Eddy W.
Strain, Bruce.
- Procter, James C., Indianapolis, Ind. Pitcher. 2,490,541, Dec. 6.
- Proctor Electric Company, assignee: *See*—
Myers, Joseph W.
- Proctor, Harry L., assignor to Logansport Machine Co. Inc., Logansport, Ind. Self-locking chuck. 2,470,720, May 17.
- Proctor, Lawrence: *See*—
Hand, Percy G. B., and Proctor.
- Proctor & Schwartz, Inc., assignee: *See*—
Backhus, Fred.
Harrison, Alma J.
O'Keeffe, George W.
- Prodesco Incorporated, assignee: *See*—
Faris, Harold P.
- Prodromos, George and M., Winston-Salem, N. C. Trimmer. 2,472,617, June 7.
- Prodromos, Marcus: *See*—
Prodromos, George and M.
- Production Broaching Corporation, assignee: *See*—
Iversen, Norman H.
- Production Broaching Corporation, The, assignee: *See*—
Iversen, Norman H.
- Production Instrument Company, assignee: *See*—
Nelson, Martin L.
- Production Inventions, Inc., assignee: *See*—
Smulski, Theodore J.
- Produx Corporation, assignee: *See*—
Watkins, Arthur S.
- Proell, Wayne A.: *See*—
Shoemaker, Bernard H., Adams, and Proell.
- Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Manufacture of sulfonic anhydrides. 2,489,316, Nov. 29.
- Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Preparation of sulfonyl halides. 2,489,317, Nov. 29.
- Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Alkane sulfonic acid manufacture. 2,489,318, Nov. 29.
- Proffitt, Stanley H., Schenectady, and J. A. Choules, Albany, N. Y., assignors to General Electric Company. Automatic radio tuning mechanism. 2,478,011, Aug. 2.
- Progneaux, Jean E., Bronxville, N. Y. Sundial. 2,488,605, Nov. 22.
- Progrer, Fred W., Jr.: *See*—
Suesholtz, Herbert D., and Progrer.
- Progressive Welder Company, assignee: *See*—
Gordon, John D.
Johnson, Fred H., and Leathers.
Leathers, Chester F., and Benkert.
Zulinski, Edward J., and Barley.
- Proll, Gustave, Newark, N. J. Toy musical instrument. 2,472,681, June 7.
- Promag A. G., Konolfingen, assignee: *See*—
Heer, Fritz.
- Prophy-lactic Brush Company, assignee: *See*—
Bird, William C.
D'Alelio, Gaetano F.
Maynard, Charles E.
- Propst, Roy B., Los Angeles, Calif. Detachable can handle. 2,474,913, July 5.
- Prosk, William, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Manufacture of activated carbon. 2,486,205, Oct. 25.
- Proskauer, Richard, Westbury, N. Y., assignor to The Sperry Corporation. Pulse circuits. 2,464,259, Mar. 15.
- Proskauer, Richard, Westbury, N. Y., assignor to The Sperry Corporation. Blocking oscillator. 2,483,431, Oct. 4.
- Prosperity Company, Inc., The, assignee: *See*—
Davis, Ernest.
Davis, Ernest, and Winnewisser.
Neuroth, John.
- Pross, Carr F., New York, N. Y. Razor. 2,465,924, Mar. 29.
- Prosser, Clinton D.: *See*—
Downing, Rexford D., and Prosser.
- Prosser, Joseph G., Pasadena, Calif., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,108, Dec. 20.
- Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,109, Dec. 20.
- Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,110, Dec. 20.
- Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,111, Dec. 20.
- Prosser, Joseph G. and T. W., Pasadena, Calif., assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,112, Dec. 20.
- Prosser, Thomas W.: *See*—
Prosser, Joseph G. and T. W.
- Prosser, Thomas W., Pasadena, Calif. Nylon processing apparatus. 2,487,764, Nov. 8.
- Protectoseal Company, The, assignee: *See*—
Lebus, William A.
- Protectowire Co. of Maine, The, assignee: *See*—
Holmes, Willis G.
- Prottengeier, Alfred C.: *See*—
Myles, Asa H., and Prottengeler.
- Protzeller, Harry W., Fairmont, Minn., assignor of one-half to A. W. Nelson, Park Ridge, Ill. Apparatus for and method of freezing food. 2,486,876, Nov. 1.
- Prue, Walter W., Auburn, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for cement coating platform soles and covers therefor. 2,466,824, Apr. 12.
- Prue, Walter W., Auburn, Maine, assignor to United Shoe Machinery Corporation, Boston, Mass. Device for turning platform covers on slip-lasted shoes. 2,480,962, Sept. 6.
- Pruitt, George, Arvada, Colo. Tongue-supporting dolly. 2,481,948, Sept. 13.
- Pruver, David, New York, N. Y. Oscillating signal lamp with extensible support. 2,487,727, Nov. 8.

- Pryde, Everett H. : *See*—
Spahr, Raymond J., Moffitt, and Pryde.
- Pryor, Leo E., Inglewood, Calif. Knife sharpener. 2,475,110, July 5.
- Pryor, Thomas F., III : *See*—
Jenny, Cletus J., and Pryor, III.
- Przyslak, Nicholas E., Florham Park, and K. M. McLaughlin, Summit, N. J., assignors to Radio Corporation of America. Ultra high frequency electron discharge device. 2,473,969, June 21.
- Przybylski, Daniel F., Winona, Minn. Trench excavator shovel and scraper. 2,472,758, June 7.
- Psikal, Emil, Dorchester, Nebr. Air cleaner. 2,461,395, Feb. 8.
- Psilos, Manos : *See*—
Stewart, William, and Psilos.
- Ptasnik, Kelman J., New York, N. Y. Adhesive transfer tape dispenser. 2,487,061, Nov. 8.
- Publisher Industries, Inc., assignee : *See*—
Dolnick, Arthur A., and Potash.
- Kamlet, Jonas.
- Legg, David A., and Cranmer.
- Legg, David A., and Rayman.
- Mahler, Paul.
- Puccinelli, Romolo L., Turlock, Calif. Dehydrator. 2,461,770, Feb. 15.
- Pucher, Irving A., assignee : *See*—
Elliott, Gordon R.
- Puchstein, Albert F., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Nonmagnetic sleeved electric motor. 2,492,317, Dec. 27.
- Puck, Theodore T. : *See*—
Robertson, Oswald H., Puck, and Wise.
- Pudelko, Richard, Zug, Switzerland, assignor to Landis & Gyr, A. G. Maximum power demand indicator. 2,478,637, Aug. 9.
- Pudelko, Richard, and P. Moos, assignors to Landis & Gyr, A. G., Zug, Switzerland. Multiple tariff counter for measuring instruments. 2,461,081, Feb. 8.
- Pudge, Frederick A., Kansas City, Mo. Roller skate. 2,479,255, Aug. 16.
- Puening, Franz, Riegelsville, and A. L. Bower, Bethlehem, Pa., said Bower assignor to Bethlehem Steel Company. Sealing device for coke ovens with movable walls. 2,490,090, Dec. 6.
- Puerner, George O., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Stator construction for switches. 2,470,951, May 24.
- Pufahl, Emil H., Ottawa, Ill. Adjustable drape crane. 2,479,778, Aug. 23.
- Pugliese, James V., assignee : *See*—
Coby, George.
- Pujol y Font, Juan L., Newark, N. J. Apparatus for heat sealing the open ends of ampoules. 2,479,024, Aug. 16.
- Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Handle for carpet sweepers and the like. 2,475,402, July 5.
- Pulley, George N., Winter Haven, assignor to Feed Products Laboratories, Inc., Lake Alfred, Fla. Treatment of citrus waste press water. 2,471,893, May 31.
- Pulliam, Dudley C., Chicago, Ill. Electrical cooking or toasting appliance. 2,489,500, Nov. 29.
- Pulliam, George E., Youngstown, Ohio. Shaft coupling. 2,462,549, Feb. 22.
- Pullman Company, The, assignee : *See*—
Jones, Basil E.
- Jones, Basil E., and Stanley.
- Pullman-Standard Car Manufacturing Company, assignee : *See*—
Murphy, Frank L., and Apel.
- Murphy, Frank L., and Candlin.
- Unger, Arthur M.
- Puls, Alfred E., Cleveland, Ohio, and E. R. Swenson, assignors, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill. Folding table. 2,464,939, Mar. 22.
- Puls, Alfred E., Cleveland, Ohio, and E. R. Swenson, assignors, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill. Combined table and chair. 2,483,062, Sept. 27.
- Pulsifer, Frank : *See*—
Gorton, William G., Pulsifer, and Skudre.
- Pulsifer, Henry H., Kitchener, Ontario, Canada. Playing steel. 2,461,232, Feb. 8.
- Pulver, Wilfrid A., Sherman Oaks, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airfoil ice remover. 2,471,894, May 31.
- Pulverizing Machinery Co., assignee : *See*—
Arnold, Frederick W.
- Pummer, Rudolph L., assignee : *See*—
Rundle, George W.
- Punchak, Thomas M., Cleveland, Ohio. Pouring cap. 2,483,784, Oct. 4.
- Punshon, Thomas, Jr., and I. Williams, assignors to J. M. Huber Corporation, Borger, Tex. Vulcanization of rubber with urea-metal salt complex accelerators. 2,480,814, Aug. 30.
- Punte, William F. : *See*—
Coyle, John, and Punte.
- Punte, William F., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Method of and apparatus for forming paper end closures. 2,492,886, Dec. 27.
- Purcell, Edward M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Directional coupler. 2,478,317, Aug. 9.
- Purcell, Frank L., Manhattan Beach, Calif. Hole clamp. 2,487,273, Nov. 8.
- Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Servomotor mechanism. 2,472,547, June 7.
- Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Fluid operable system. 2,484,907, Oct. 18.
- Purcell, Howard M., Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del. Platen leveling. 2,484,908, Oct. 18.
- Purcell, Howard M., Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del. Slowdown for presses. 2,491,393, Dec. 13.
- Purcell, James T., Secane, Pa., assignor to General Electric Company. Supervisory control system. 2,492,766, Dec. 27.
- Purden, Robert H., assignor to Joseph Lucas Limited, Birmingham, England. Electrically operable horn. 2,480,261, Aug. 30.
- Purdue Research Foundation, assignee : *See*—
Barney, Arthur L.
- Degering, Edward F.
- Degering, Edward F., and Van Biema.
- Hass, Henry B., and Gillette.
- Heim, Howard J.
- Liggett, Waldo B., McBee, and Lindgren.
- Lindgren, Vincent V., and McBee.
- McBee, Earl T., and Bechtol.
- McBee, Earl T., and Bolt.
- McBee, Earl T., Bolt, and Tebbe.
- McBee, Earl T., and Devaney.
- McBee, Earl T., Lindgren, and Liggett.
- McBee, Earl T., and Pierce.
- McBee, Earl T., and Robb.
- McBee, Earl T., and Wiseman.
- Spence, John A., and Degering.
- Purdy, Kenneth M., Baton Rouge, La., assignor to Standard Oil Development Company. Production of high octane number aviation gasoline. 2,470,445, May 17.
- Purdy, Rolland M. : *See*—
Frei, Jakob R., and Purdy.
- Purdy, Rolland M., Bainbridge, assignor to Bendix Aviation Corporation, New York, N. Y. Magneto. 2,483,667, Oct. 4.
- Pure Oil Company, The, assignee : *See*—
Alcorn, Irwin W., and Bond.
- Bell, Richmond T., and Thacker.
- Bernard, George G.
- Bond, Donald C.
- Bond, Donald C., Russell, and Bernard.
- Bond, Donald C., and Savoy.
- Brennan, Elmer W., and Williams.
- Cocroft, Robert, Brennan, and Manteuffel.
- Goldsbarry, Albert W.
- Goldsbarry, Albert W., and Martin.
- Hulbert, Charles C.
- Schindler, Hans.
- Stucker, Joseph B., Fronczak, and Wolfram.
- Thacker, Carlisle M.
- Thacker, Carlisle M., and Folkins.
- Puricelli, Enzo, Springfield, Mass. Ski tow device. 2,473,300, June 14.
- Purifoy, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric control system for vehicle ride stabilizing equipment. 2,473,903, June 21.
- Purifoy, George R., and R. E. Burkhart, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Train-line control system. 2,482,506, Sept. 20.
- Purinton, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio control system. 2,465,925, Mar. 29.
- Purinton, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Constant current circuit. 2,475,050, July 5.
- Purinton, Ellison S., Gloucester, Mass., assignor by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio control system. 2,480,338, Aug. 30.
- Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Rotary transfer molding device. 2,476,219, July 12.
- Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Plastic button with metal tack. 2,480,262, Aug. 30.
- Purity Bakeries Service Corporation, assignee : *See*—
Harker, Hilbert J.
- Purnell, Edward A., assignor to The General Fireproofing Company, Youngstown, Ohio. Furniture. 2,461,082, Feb. 8.
- Purola, Arnold A., Girard, Ohio. Checker cooler. 2,463,421, Mar. 1.
- Purves Corporation, assignee : *See*—
Beach, Lennox F.

- Purvin, Benjamin R., Detroit, Mich., assignor to Barber-Colman Company, Rockford, Ill. Machine tool clamping mechanism. 2,482,126, Sept. 20.
- Purvin, Benjamin R., Detroit, Mich., assignor to Barber-Colman Company, Rockford, Ill. Automatic hob slide. 2,484,856, Oct. 18.
- Purvin, Robert L., Goose Creek, Tex., assignor to Standard Oil Development Company. Catalytic reactor. 2,478,707, Aug. 9.
- Purvis, Damon D., Jacksonville, Fla., assignor of one-half to C. D. Langston. Combination drill and brush. 2,486,363, Oct. 25.
- Purvis, Judson A., assignor to Lube-X Systems, Inc., Chicago, Ill. Automatic service guide and recorder for automotive apparatus. 2,474,914, July 5.
- Purvis, Thomas A., assignor of one-half to Joe Emil Hampton, Tulsa, Okla. Resilient wheel. 2,458,300, Jan. 4.
- Puster, Louis M., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Temperature control. 2,466,865, Apr. 12.
- Puster, Louis M., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Die plate. 2,467,496, Apr. 19.
- Putnam, Alvin A., St. Louis, Mo. Vertical shaft excavating apparatus. 2,474,803, June 28.
- Putnam, David F., and C. F. Robbins, assignors to Markem Machine Company, Keene, N. H. Machine for marking cylindrical articles. 2,461,233, Feb. 8.
- Putnam, Henry B., Muskegon Heights, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Multipoint spot welding mechanism. 2,474,593, June 28.
- Putnam, Stearns T., Newark, assignor to Hercules Powder Company, Wilmington, Del. Organic isocyanates and their preparation. 2,491,580, Dec. 20.
- Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Triple tube cyclone separator. 2,472,777, June 7.
- Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Contactor and separator for low-density solids. 2,487,370, Nov. 8.
- Putriment, Peter L., assignee: *See*—Turgeon, Edmond.
- Putt, Donald R., Jersey City, N. J. Control. 2,474,861, July 5.
- Putt, Donald R., Jersey City, N. J. Electrical control. 2,484,049, Oct. 11.
- Putz, Thomas J.: *See*—Arnold, Edwin E., Putz, and Newton.
Newton, John S., and Putz.
- Puxon, Harold A., Vancouver, British Columbia, Canada. Bunk stake equipment. 2,477,202, July 26.
- Pyatt, Edward C., and K. C. A. King, assignors to Telephone Manufacturing Company Limited, London, England. Electrical testing and indicating system. 2,482,932, Sept. 27.
- Pye, Charles R., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustees. Moisture-resistant lacquer for the protection of electrical components. 2,460,103, Jan. 25.
- Pye Limited, assignee: *See*—Edwards, Baden J., and Jackson.
Hughes, Denis H.
Jackson, Donald.
Jones, William.
Lord, Arthur V.
Weighton, Donald.
- Pyle, Howard T., and A. G. Tynan, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Aerial torpedo. 2,463,119, Mar. 1.
- Pyramid Rubber Company, The, assignee: *See*—Simmons, Elta.
- Pyrene Company Limited, The, assignee: *See*—Ratzer, Arthur F.
Zieschang, Richard.
- Pyrene Manufacturing Company, assignee: *See*—MacGregor, Peter G.
- Pyridium Corporation, assignee: *See*—Duessel, Bernard F., and Friedman.
Friedman, Harris L., and Braitherg.
Friedman, Harris L., and Tolstouhob.
- Pýzel, Robert, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Forming chemical reaction products of metal oxides. 2,469,989, May 10.
- Quade, Otto R.: *See*—Kaboskey, Benjamin F., and Quade.
- Quaedvlieg, Matthias: *See*—Orthner, Ludwig, Balle Schild, Schürmann, Brodersen, and Quaedvlieg.
- Quaintance, Arthur D., assignee: *See*—Gee, Alan E.
- Quaker Chemical Products Corp., assignee: *See*—Fredenall, Gordon L., and Schroeder.
Hulst, George D., Jr.
Kellogg, Edward W.
Schade, Otto H.
Scheer, Charles L., and Fleisher.
Starnier, Charles J.
Usselman, George I.
- Quaker Foundation, Inc., assignee: *See*—Unwin, Kenneth J.
- Quaker Manufacturing Company, assignee: *See*—Long, Orville J., and Roy.
- Quaker Oats Company, The, assignee: *See*—Dunlop, Andrew P., and Stout.
Graham, William R., Kohler, and Frye.
Graham, William R., Jr., Kohler, and Frye.
Nielsen, Erik R.
Turner, Charles W., Reineke.
- Quaker City Gear Works, Inc., assignee: *See*—Berlinger, Bernard E.
- Quales, Lloyd L., Detroit, and J. F. Hasler, Dearborn, assignors, to Vickers Incorporated, Detroit, Mich. Scoop attachment for industrial truck. 2,482,692, Sept. 20.
- Quality Appliances, Inc., assignee: *See*—Snyder, Leland H.
- Quality Bakers of America Cooperative, Inc., assignee: *See*—Thomas, Robert W.
- Quam, James P., assignor, by mesne assignments, to Quam-Nichols Company, Chicago, Ill. Support clamp for electrodynamic loud-speakers. 2,475,516, July 5.
- Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Juice extractor for citrus fruits or the like. 2,487,371, Nov. 8.
- Quam-Nichols Company, assignee: *See*—Quam, James P.
- Quam, Sidney N.: *See*—Horneman, Herman C., Hussong, Quam, and Hammer.
- Quan, Herbert Q., Los Angeles, Calif. Fountain pen. 2,469,584, Jan. 18.
- Quarles, Jonathan F.: *See*—Hull, David C., and Quarles.
- Quarles, Richard W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Vinyl copolymer and its production. 2,458,639, Jan. 11.
- Quarles, Richard W., Pittsburgh, and C. I. Spessard, Leechburg, Pa., assignors to Carbide and Carbon Chemicals Corporation. Dispersions of vinyl chloride resins. 2,461,613, Feb. 15.
- Quarnstrom, Ivar T., New Haven, Mich. Standard molding base. 2,480,605, Aug. 30.
- Quarnstrom, Ivar T., New Haven, Mich. Standard molding base. 2,490,229, Dec. 6.
- Quarrie, Eugene A., assignee: *See*—Foerste, William.
- Quattlebaum, William M., Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Making styrene and substituted styrenes. 2,482,207, Sept. 20.
- Quattlebaum, William M., Jr., and C. A. Noffsinger, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Acylations with enol esters. 2,466,737, Apr. 12.
- Quattlebaum, William M., Jr., and C. A. Noffsinger, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Acylation with enol esters. 2,467,095, Apr. 12.
- Quattlebaum, William M., Jr., Charleston, and W. J. Toustaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Making styrene and its derivatives. 2,482,208, Sept. 20.
- Quattrin, Sante, San Francisco, Calif. Club. 2,465,124, Mar. 22.
- Quattrin, Sante, San Francisco, Calif. Golf practice device. 2,469,002, May 3.
- Quayle, Joshua C., Helsby, and P. Jones, Kelsall, near Chester, assignors, by mesne assignments, to British Insulated Callender's Cables Limited, London, England. Apparatus for heating insulating material by subjecting it to a high-frequency field of electric force. 2,463,054, Mar. 1.
- Quayle, Joshua C., Helsby, and P. Jones, Kelsall, near Chester, assignors to British Insulated Callender's Cables Limited, London, England. Feeding high-frequency electric currents to the electrodes of dielectric heating apparatus. 2,469,990, May 10.
- Quayle, Joshua C., Helsby, and P. J. Kelsall, near Chester, assignors to British Insulated Callender's Cables Limited, London, England. Machine for joining sheet materials by the heating effect of electric stress alternating at high-frequency. 2,477,313, July 26.
- Quebec Iron and Titanium Corporation, assignee: *See*—Peirce, Willis M., Waring, and Fetterolf.
- Queen, Roy L., and K. W. Hutchins, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Sequence firing of jet motors. 2,465,926, Mar. 29.
- Quella, Alfred F., Milwaukee, Wis. Antislip device for shoes. 2,466,866, Apr. 12.
- Queneau, Augustin L. J., Morristown, N. J. Recovery of zinc from its ores. 2,461,697, Feb. 15.
- Queneau, Augustin L. J., Morristown, N. J. Condensing zinc. 2,478,594, Aug. 9.
- Queneau, Augustin L. J., Morristown, N. J. Glass impregnated carbon articles. 2,482,933, Sept. 27.
- Queneau, Paul E., and J. H. Borland, Copper Cliff, and L. S. Renzoni, Port Colborne, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Treatment of nickel-containing ores. 2,478,942, Aug. 16.
- Querry, Merle V.: *See*—Baker, Bernard R., and Querry.

- Quigley, Charles G.: *See*—
Nokes, Charles M., Quigley, and Pring.
- Quigley, John L., and D. C. Harvey, assignors to Eastman Kodak Company, Rochester, N. Y. Lens mount with telescoping lens tubes and locking means. 2,484,464, Oct. 11.
- Quijada, Louis, Alhambra, Calif. Pipe and tube cutter. 2,481,446, Sept. 6.
- Quik-Seal, Inc., assignee: *See*—
Stichelber, Merlin A.
- Quillen, Orville L., Hastings on Hudson, N. Y. Mechanical power transmission device. 2,491,764, Dec. 20.
- Quilter, John R. C., Woking, England. Parachute harness. 2,464,719, Mar. 15.
- Quilter, John R. C., Woking, England. Parachute. 2,469,573, May 10.
- Quilter, John R. C., Woking, England. Detachable connector for tensile members. 2,469,574, May 10.
- Quilter, John R. C., Woking, England. Delay-action mechanism. 2,492,063, Dec. 20.
- Quimper, Anthony A., Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cup positioning apparatus. 2,472,921, June 14.
- Quinlan, Amos L., La Grange Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tape dispenser. 2,492,593, Dec. 27.
- Quinlan, Joseph A., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Indicating means for track switch and its primary power supply in remote-control systems. 2,492,398, Dec. 27.
- Quinn, Clark E., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Connector. 2,480,963, Sept. 6.
- Quinn, David H., U. S. Navy. Water filter carrying case. 2,474,322, June 28.
- Quinn, Edward: *See*—
Monfils, Napoleon A., and Quinn.
- Quinn, Eugene M., assignee: *See*—
Kavanaugh, Edward S.
- Quinn, Frederic R., Schenectady, N. Y., assignor to General Electric Company. Thermal responsive resistance device. 2,484,585, Oct. 11.
- Quinn, Gerald S.: *See*—
Thomas, Ralph B., and Quinn.
- Quinn, Gerald S., Salem, Mass., and J. E. McLoughlin, New Haven, Conn., assignors to Sylvania Electric Products Inc., Salem, Mass. Coil clamping method and apparatus. 2,472,778, June 7.
- Quinn, John, Blackrock, Erie, assignor of one-half to Irish Domestic Electrical Appliances Limited, Dublin, Ireland. Electric immersion heater. 2,475,403, July 5.
- Quinn, John, Washington, D. C., and L. L. McDonie, Coral Hills, Md. Trigger lock for pistols. 2,459,838, Jan. 25.
- Quinn, Joseph L., Matawan, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of modified polymeric methyl methacrylate. 2,462,895, Mar. 1.
- Quinn, Robert G., Bound Brook, and J. C. Harkness, Manville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Dielectric sheet and manufacture. 2,485,458, Oct. 18.
- Quinn, William, New York, N. Y. Rabbit or animal toilet. 2,469,784, May 10.
- Quinnell, Earle D., U. S. Army, Carlisle Barracks, and C. L. Eppley, Mount Holly Springs, Pa. Pressureless gasoline stove. 2,482,797, Sept. 27.
- Quinnell, La Vern E., assignor to The Magnavox Company, Fort Wayne, Ind. Flat dry cell battery. 2,483,983, Oct. 4.
- Quinton, Bernard, Tuckahoe, N. Y. Mobile luggage. 2,472,491, June 7.
- Quirin, Alois: *See*—
Hutter, Frank E., and Quirin.
- Quiring, Fabian L., Philadelphia, Pa. Cap for poison containers. 2,487,728, Nov. 8.
- Quirk, Arthur L., North Providence, R. I., assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass. Current supply system. 2,464,940, Mar. 22.
- Quirk, Justin P., and L. G. P. Hafner, assignors to United Wood Heel Company, St. Louis, Mo. Apparatus for turning wood heels. 2,462,673, Feb. 22.
- Quirk, Justin P., St. Louis County, and L. G. P. Hafner, assignors to United Wood Heel Company, St. Louis, Mo. Turning wood heels. 2,487,672, Nov. 8.
- Quirk, Justin P., St. Louis County, and L. G. P. Hafner, assignors to United Wood Heel Company, St. Louis, Mo. Shoe heel turning machine. 2,488,100, Nov. 15.
- Quirk, Raymond F.: *See*—
Vanslow, Waldemar, and Quirk.
- Quiroga, Juan J.: *See*—
Carvajal, Roberto, and Quiroga.
- Quist, Oscar: *See*—
Le Vesconte, Harold J., and Quist.
- Quist, Clifford M., Port Orchard, Wash. Fountain brush. 2,458,027, Jan. 4.
- Quittner, Victor, assignor to General Radiological Limited, London, England. High-tension switching means. 2,475,197, July 5.
- R-B-M Manufacturing Company, assignee: *See*—
Webb, George L.
- R-S Products Corporation, assignee: *See*—
Stoler, Samuel M.
- Rasch, Maynard S.: *See*—
Arthur, Paul, Jr., and Raasch.
- Rabanit, Paul, assignee: *See*—
Pejois, Louis G. A.
- Rabbitt, John, New York, N. Y. Powder dispensing device. 2,480,606, Aug. 30.
- Rabenda, Edward J., Poughkeepsie, and F. J. Furman, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled printing apparatus. 2,464,608, Mar. 15.
- Rabazzana, Hector, Fenton, Mich. Thermostat. 2,476,624, July 19.
- Rabazzana, Hector, Flint, Mich., and F. J. Wiegand, Ridgewood, N. J., assignors to General Motors Corporation, Detroit, Mich. Combination spark plug and fuel injector. 2,459,286, Jan. 18.
- Rabinowitz, Harold M., Brooklyn, N. Y. Antispasmodic composition. 2,461,921, Feb. 15.
- Rabinowitz, Harry, New York, N. Y. Brassière. 2,485,313, Oct. 18.
- Rabinowitz, Jacob, Brooklyn, assignor, by mesne assignments, to Pavele Color Incorporated, New York, N. Y. Photographic printing exposure control method and apparatus. 2,469,076, May 3.
- Rabinowitz, Nathan, Brooklyn, N. Y. Ellipsograph. 2,477,203, July 26.
- Rabjohn, Norman: *See*—
Flory, Paul J., and Rabjohn.
- Rabkin, William, New York, N. Y. Container for photographic plates. 2,476,767, July 19.
- Raburn, Louis E., and E. W. Everson, assignors to Electronics Research, Inc., Evansville, Ind. High-frequency antenna. 2,467,991, Apr. 19.
- Race, Charles L., Syracuse, N. Y., assignor to General Electric Company. Frequency-modulation monitoring. 2,484,586, Oct. 11.
- Rachlis, Michael: *See*—
Kremer, Arthur, and Rachlis.
- Racine, George A. J.: *See*—
Wickman, Helmer W., and Racine.
- Racine, Wallace N., Corvallis, Ore. Aerial projectile. 2,490,470, Dec. 6.
- Rack, Alois J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multielectrode modulator. 2,476,323, July 19.
- Rackey, Chester A., Crestwood, N. Y., and T. H. Phelan, Maywood, N. J., assignors to Radio Corporation of America. Audience reaction integrator. 2,480,607, Aug. 30.
- Rackley, Carle E., Orlando, Fla. Electromagnetic relay. 2,487,372, Nov. 8.
- Rackoff, Adolph A., deceased, by S. Krieger, administrator, Gary, Ind., assignor to A. W. Graf. Coke oven doors. 2,491,831, Dec. 20.
- Rackowski, Wayne L., Milwaukee, Wis. Pliers. 2,485,459, Oct. 18.
- Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,468,408, Apr. 26.
- Radcliffe, Charles W.: *See*—
Carmichael, Edward P., and Radcliffe.
- Radcliffe, Charles C., New York, N. Y. Door latch and control thereof. 2,479,256, Aug. 16.
- Radcliffe, George F., San Diego, Calif. Double fitting for sewage pipe connections. 2,476,908, July 19.
- Radcliffe, Milton R., Glen Rock, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Heat stabilization of vinylidene chloride resins. 2,459,746, Jan. 18.
- Radeke, Sidney J., Ann Arbor, Mich. Furring clip. 2,470,369, May 17.
- Raden, David J.: *See*—
Coffin, Owen T., and Raden.
- Rader, Charles L., Indianapolis, Ind. Wheel press. 2,489,815, Nov. 29.
- Rader, Wendell P., assignor of one-half to F. Adams, Seattle, Wash. C-clamp screw crank. 2,464,941, Mar. 22.
- Radford, Herschel D.: *See*—
Lee, Robert J., and Radford.
- Radi, Lino J., Union City, N. J., assignor to Interchemical Corporation, New York, N. Y. Adhesive composition containing an isobutene-diolefin rubbery copolymer and a resin occurring in Utah resin-bearing coal. 2,461,552, Feb. 15.
- Radi, Lino J., Union City, N. J., assignor to Interchemical Corporation. Adhesive composition containing polychloroprene rubber and a resin occurring in Utah resin-bearing coal. 2,461,553, Feb. 15.
- Radiator Specialty Company, assignee: *See*—
Stentz, Carl E.
- Radin, Alexander J., Brooklyn, N. Y. Artificial eye. 2,466,780, Apr. 12.
- Radinsky, Felix, Olympia, Wash. Mechanical pool table. 2,477,939, Aug. 2.
- Radio Corporation of America, assignee: *See*—
Albin, Frederick G.
Ammerman, John M.
Anderson, Glenn R.
Anderson, Leslie J.
Anderson, Warren A.
Atwood, John B.
Atwood, John B., and Trevor.
Barnes, John P.
Bartelson, Sten E.
Barth, Jay E.

Radio Corporation of America, assignee: *See*—Continued.

Barton, Loy E.
 Beanland, Charles P.
 Beard, Joseph G., and Born.
 Beard, Joseph G., and Dressler.
 Bedford, Alda V.
 Beers, George L.
 Beleskas, Stanley M.
 Best, Frank F., Colchester, and Twatt.
 Beverage, Harold H.
 Bierwirth, Rudolph A.
 Bliss, Warren H.
 Blitz, Daniel.
 Blodgett, Edward D.
 Boerner, Thomas J., and Sanborn.
 Bond, Donald S.
 Braden, René A.
 Bradley, George G.
 Bradley, George G., and Mohr.
 Brenkert, Karl, Jr.
 Brian, Joseph M.
 Brown, Barremore B.
 Brown, Charles H.
 Brown, George H.
 Brown, George H., and Bierwirth.
 Brown, George H., and Epstein.
 Brown, George H., and Hoyer.
 Brown, George H., and Peterson.
 Brown, George H., and O. M. Woodward, Jr.
 Canfora, Arthur E.
 Cantelo, Herbert R.
 Carlson, Wendell L.
 Carter, Philip S.
 Clark, Edwin L.
 Clark, Joseph C.
 Clark, Robert W.
 Cole, Ben R.
 Collins, John A.
 Collins, Milford E.
 Comins, Alfred W.
 Cooper, Victor J., and Green.
 Corrington, Murlan S.
 Crosby, Murray G.
 Cusato, Ralph T.
 Dale, William C.
 Day, James R.
 Demuth, Galan W.
 De Muth, John J.
 Devore, Henry B.
 Dimmick, Glenn L.
 Dimmick, Lawrence L.
 Donal, John S., Jr., Brown, and Cuccia.
 Dornfeld, Edmund G.
 Dow, Orville E.
 Duke, Vernon J.
 Duke, Vernon J., and Clark.
 Dyson, Horace R.
 Eddy, Robert C.
 Engstrom, Ralph W.
 Epstein, David W.
 Evans, John.
 Everett, Frederick C.
 Fernsler, George L.
 Finch, James L.
 Finke, Herbert A.
 Fisher, Harold G., and Kelzer.
 Forgue, Stanley V.
 Fraser, Robert M.
 Fredendall, Gordon L.
 Friend, Albert W.
 Fulton, Oliver H., Jr.
 Garner, Lloyd P.
 Gehman, John B., and Turner.
 Gels, Lester, and Pope.
 George, Ralph W.
 Gerber, Paul D.
 Gillespie, Henderson C.
 Gluyas, Thomas M., Jr.
 Goddard, De Witt R.
 Goldberg, Edwin A.
 Goldsmith, Alfred N.
 Goldstine, Hallan E.
 Goldstine, Hallan E., and Voigt.
 Goodale, Elmer G., and Schade.
 Graham, George K.
 Grasheim, Irvin I.
 Greenough, Maurice L.
 Greig, Harold G.
 Grosdoff, Igor E.
 Hall, Hubert N., and Woodward.
 Hanchett, George D., Jr.
 Hansell, Clarence W.
 Hart, Stephen V.
 Hastings-Hodgkins, Horace W.
 Hathaway, Jarrett L., and Kennedy.
 Haynes, Harold E.
 Hegbar, Howard R.
 Henderson, Roy A.
 Herbst, Philip J.
 Herold, Edward W.
 Herr, Russell E., and Anderson.
 Hersberger, William D.
 Herzlinger, Joseph I.
 Hillier, James.

Radio Corporation of America, assignee: *See*—Continued.

Hillier, James, and Ellis.
 Hofberg, Alf H.
 Holst, Paul F. G., and Kirkwood.
 Hollingsworth, "R" Lee.
 Holmes, Ralph S.
 Houghton, William D.
 Hoyer, Cyril N., and Bierwirth.
 Huff, Henry S.
 Hulst, George D., Jr.
 Jacobs, Leonard.
 Johnson, Harwick, Landon, and Wiggins.
 Jones, Horace R., and Wilby.
 Jones, John W., Jr.
 Jones, Loren F.
 Joy, Joseph E.
 Joyner, Archibald A.
 Kelzer, Eugene D.
 Kelzer, Eugene O., Johnson, Landon, and Harvey.
 Kell, Ray D.
 Kellogg, Edward E.
 Kellogg, Edward W., and Isom.
 Kennedy, Gilbert J.
 Kennedy, Ralph C.
 Kettler, Alfred H.
 Kilgore, George R.
 Kimmich, William.
 King, Louis A.
 Klingaman, George W.
 Knauf, Harry V., Jr.
 Koch, Winfield R.
 Korman, Nathaniel I.
 Kreuzer, Barton.
 Lakatos, Louis L.
 Law, Harold B.
 Law, Russell R.
 Law, Russell R., and Pensak.
 Leverenz, Humboldt W.
 Lindblad, Nils E.
 Linder, Ernest G.
 Longley, Kermit D.
 Lowden, William P.
 Lyons, Walter.
 Masters, Robert W.
 Matson, Leslie E., and Lesnick.
 Max, Abraham M.
 Max, Abraham M., and Vance.
 McCown, William E.
 McDonald, Joseph F.
 McLaure, John T.
 McLaure, John T., Minneman, and Dunn.
 Mesner, Max H.
 Miller, William A.
 Miller, William A., and Shenk.
 Moore, John E.
 Morton, George A., and Flory.
 Morton, George A., and Rudnick.
 Nergaard, Leon S.
 Nicoll, Frederick H.
 Nicoll, Frederick H., and Williams.
 North, Dwight O.
 Norton, Lowell E.
 Obert, Maximilian J.
 O'Dea, Dorothy L.
 Olson, Harry F.
 Olson, Harry F., and Preston.
 Owens, James H.
 Paré, Victor T.
 Pessel, Leopold.
 Peterson, Donald W.
 Peterson, Harold O.
 Pettus, James L.
 Phelps, George N.
 Phylfe, James D.
 Picard, Robert G.
 Plaistowe, Donald L., and Shipway.
 Poch, Waldemar J.
 Potter, Elvin H.
 Pratt, John H.
 Prysak, Nicholas E., and McLaughlin.
 Purington, Ellison S.
 Rackey, Chester A., and Phelan.
 Rajchman, Jan A.
 Rajchman, Jan A., and Goldberg.
 Rattner, Sydney.
 Reinartz, John L.
 Reisner, John H.
 Rennie, Alexander M.
 Rettinger, Michael, and Singer.
 Roberts, Wesley M.
 Roberts, Walter van B.
 Robins, Ben W.
 Roetter, Robert P.
 Rogers, Gordon F.
 Rose, Albert.
 Rose, George M., Jr.
 Rosenthal, Fritz.
 Ross, Edward C., Jr.
 Roys, Henry E.
 Sanders, Royden C., Jr.
 Sanders, Royden C., Jr., and Blitz.
 Sands, William F.
 Schade, Otto H.
 Schell, Roger E.

- Radio Corporation of America, assignee: *See*—Continued.
- Schlesinger, Kurt.
 Schock, Robert E.
 Schoenfeld, Earl H.
 Schoenfeld, Earl H., and Milwitt.
 Schroeder, Alfred C.
 Seright, Carl G.
 Shankweiler, Ray G.
 Shankweiler, Ray G., and Blitz.
 Sharp, Thomas C.
 Shaw, Hubert R.
 Shenk, Eugene R.
 Sherwood Leslie F.
 Shrader, Terry M.
 Shulman, Carl I.
 Shumard, Charles C.
 Singer, Kurt.
 Sিনnett, Chester M.
 Smith, Charles P.
 Smith, James E., and Shenk.
 Smith, John P.
 Smith, Lester C.
 Smith, Perry C., and Reisner.
 Smith, Rogers M.
 Snyder, Richard L., Jr.
 Snyder, Richard L., Jr., and Rajchman.
 Somers, Frank J.
 Sonthheimer, Carl G.
 Spencer, James A., and Thomas.
 Spencer, James A., Merson, and Thomas.
 Stafford, Richard H.
 Stanko, Edward.
 Stone, Fred B.
 Story, Theodore H.
 Stott, Harold B.
 Streib, Albrecht, Thorne, and Wehner.
 Sziklai, George C.
 Thalner, Robert R.
 Thompson, Leland E.
 Thomsen, Soren M.
 Torsch, Charles E.
 Travis, Charles.
 Triller, David P.
 Tunick, Harry.
 Uhlig, Erich J.
 Ulmer, Alfred R.
 Underhill, Charles R., Jr.
 Usselman, George L.
 Vilkomerson, Benjamin S.
 Volkmann, John E.
 Wachs, Theodore.
 Wald, Sidney.
 Warren, William H., and Green.
 Watson, Samuel H., Jr.
 Webb, Richard C.
 Wehner, Robert S.
 Wein, John F.
 Wendt, Karl E.
 Wentworth, Chandler.
 Weschler, William S., Roetter, and Corporon.
 Wheeler, Benjamin F.
 Wickizer, Gilbert S., and Brown.
 Williams, Ferd E.
 Williams, Gurdon H.
 Wittenberg, Hubert H.
 Wolff, Irving.
 Wolff, Irving, and Herbst.
 Wood, Elton J.
 Wood, Lawrence A., Jr., and Miller.
 Woodward, J. Guy.
 Woodward, John D.
 Wright, Antony.
 Wright, Antony, and Clark.
 Young, Charles J.
 Young, John E.
 Young, John E., and McCown.
 Young, John E., and Miller.
 Yuan, Luke Chia-Lin.
 Zappacosta, Amedeo D.
- Radio Frequency Laboratories, Inc., assignee: *See*—
 Johanson, John E., and Yonkers.
- Radio Patents Corporation, assignee: *See*—
 Guanella, Gustav.
 Rath, Karl.
- Radio Receptor Company, Inc., assignee: *See*—
 DeWitt, David.
 Goodman, Mac.
- Radio-Television Institute, Inc., assignee: *See*—
 Paradise, Lionel P., and Auerbacher.
- Radke, Carroll V., assignee: *See*—
 Adams, Moxel A.
- Radtke, Adelbert C., Oak Park, Ill., assignor to International Harvester Company. Hinged locking device. 2,485,015, Oct. 18.
- Radtke, Albert A., New York, N. Y. Adjustable clamp. 2,461,234, Feb. 8.
- Radtke, Edward W., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Spinner mounting. 2,471,895, May 31.
- Rady, William J., and L. A. Rice, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Carbon pile regulator. 2,478,835, Aug. 9.
- Rady, William J., and L. A. Rice, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Carbon pile regulator. 2,486,978, Nov. 1.
- Radzinsky, Harry, and S. W. Dean, Jr., assigners: *See*—
 Crockford, Joseph R.
- Rae, Walter S., Jr., West Allis, assignor to The Falk Corporation, Milwaukee, Wis. Liquid sealed trap. 2,485,537, Oct. 18.
- Ragburn, Abner A., New York, N. Y. Campaign ribbon badge assembly. 2,479,404, Aug. 16.
- Rafferty, George H., Forrest, Victoria, Australia. Centrifugal molding apparatus for the manufacture of roofing tiles. 2,492,535, Dec. 27.
- Rafoth, Bennie A., Appleton, assignor to Marathon Corporation, Rothschild, Wis. Carton. 2,475,294, July 5.
- Rafter, John R.: *See*—
 Carr, Edward L., and Rafter.
- Rafter, John R., Sharon, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Adhesion of rubber to magnesium. 2,459,744, Jan. 18.
- Ragan, George L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ultra high frequency rotatable joint. 2,473,443, June 14.
- Ragan, Thomas M.: *See*—
 Griffin, Wilber H., and Ragan.
- Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well casing floating and cementing apparatus. 2,467,854, Apr. 19.
- Rago, James R.: *See*—
 Cristofani, Adolph N., and Rago.
- Ragolio, John, Baltimore, Md. Snowball shaver. 2,485,314, Oct. 18.
- Ragoss, Walter, Breckinridge, assignor of two-thirds to A. D. Adair, Enid, Okla. Post hole digger. 2,490,471, Dec. 6.
- Ragsdale, Alton H., Hemet, Calif. Roundabout. 2,484,732, Oct. 11.
- Ragsdale and Company, assignee: *See*—
 Ragsdale, La Verne B.
- Ragsdale, La Verne B., assignor to Ragsdale and Company, New York, N. Y. Spring clutch. 2,479,965, Aug. 23.
- Rahe, Samuel E., Springfield Gardens, N. Y. Device for dispensing matches. 2,469,052, May 3.
- Rahe, Samuel E., Springfield Gardens, N. Y. Apparatus for cutting book match splints. 2,489,153, Nov. 22.
- Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. Apparatus for determining the listening habits of wave signal receiver users. 2,484,734, Oct. 11.
- Rahmel, Henry A., and H. T. Bentley, II, Evanston, assignors to A. C. Nielsen Company, Chicago, Ill. System and apparatus for recording the listening habits of wave signal receiver users. 2,484,733, Oct. 11.
- Raible, Louis T., Cincinnati, Ohio. Dial indicator for lathes and the like. 2,488,237, Nov. 15.
- Raiche, Louis G.: *See*—
 Hutmacher, John J., and Raiche.
- Raiche, Louis G., Williamsville, N. Y., assignor to Curtiss-Wright Corporation. Handling line mechanism. 2,478,708, Aug. 9.
- Railroad Products Company, assignee: *See*—
 McGarry, John T.
- Raimondi, Rinaldo, Zurich, Switzerland. Magazine pencil. 2,483,103, Sept. 27.
- Rainalter, Herman, and D. A. Ensor, Cumberland, Md., assignors to Celanese Corporation of America. Purification of acetic anhydride with sodium nitrite. 2,464,345, Mar. 15.
- Rainbolt, Paul, and C. E. Barber, Albany, Mo. Automatic grinding machine for mower sickles. 2,482,934, Sept. 27.
- Rainey Accounting Machine Company, Inc., assignee: *See*—
 Rainey, Clifton K.
- Rainey, Clifton K., assignor, by mesne assignments, to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Marginal and column stop control mechanism and correlated indicator guides for imprinting machines. 2,492,887, Dec. 27.
- Rainey, James I.: *See*—
 Bock, Louis H., and Rainey.
- Rainfair, Inc., assignee: *See*—
 Farrell, Walter O.
- Rainwater, Harold, Dayton, Wash. Spray evaporator with dome condenser. 2,475,639, July 12.
- Raisanen, Toivo, Grand Rapids, Mich. Fishhook releaser. 2,491,763, Dec. 20.
- Raison, Clifford G.: *See*—
 Curd, Francis H. S., Raison, and Rose.
 Curd, Francis H. S., Landquist, Raison, and Rose.
- Raiziss, George W., Marie Severac, and L. W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Syphilotherapy agent. 2,476,508, July 19.
- Rajchman, Jan A.: *See*—
 Snyder, Richard L., Jr., and Rjchman.
- Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Computing system. 2,473,444, June 14.

- Rajchman, Jan A., Philadelphia, Pa., and E. A. Goldberg, Haddon Heights, N. J., assignors to Radio Corporation of America. Frequency measuring circuit. 2,467,777, Apr. 19.
- Rajchman, Jan A., Princeton, and E. A. Goldberg, Princeton Junction, N. J., assignors to Radio Corporation of America. Frequency measuring circuit. 2,492,368, Dec. 27.
- Rake, Geoffrey W., Milltown, and W. L. Koerber, Kingston, N. J., and R. Donovan, assignors to E. R. Squibb & Sons, New York, N. Y. Antibiotic extraction from solids of actinomycetes griseus culture. 2,461,922, Feb. 15.
- Raker, Herman C., Inglewood, and F. E. Stein, Manhattan Beach, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Rivet heating device. 2,491,931, Dec. 20.
- Raleigh, Walter J.: *See—*
Shames, Sidney J., and Raleigh.
- Raley, John H.: *See—*
Rust, Frederick F., Raley, and Vaughan.
- Rallis, Constantine M., assignee: *See—*
Spartalis, Michael P.
- Ralph, Francis E.: *See—*
Woodward, Clifford D., and Ralph.
- Ralph, Francis E., Butte, Mont., assignor to Anaconda Copper Mining Company. Apparatus for the recovery of copper. 2,475,676, July 12.
- Ralston, Anderson W., Chicago, L. T. Crews, Homewood, and E. W. Colt, Evanston, assignors to Armour and Company, Chicago, Ill. Purifying nitriles. Re. 23,084, Feb. 15.
- Ralston, Anderson W., and H. M. Corley, assignors to Armour and Company, Chicago, Ill. Compounds modified by abietic nitriles. 2,461,349, Feb. 8.
- Ralston, Eldon K., Cleveland Heights, Ohio. Tension indicating means. 2,464,152, Mar. 8.
- Ralston, Frank D., Seattle, Wash. Welder's hood. 2,482,209, Sept. 20.
- Ralston, Hurley D., Oak Park, and R. A. Pearson, Aurora, assignors to Sears, Roebuck and Co., Chicago, Ill. Machine for printing on stencil cards. 2,467,697, Apr. 19.
- Ralston, Hurley D., Oak Park, and R. A. Pearson, Aurora, assignors to Sears, Roebuck and Co., Chicago, Ill. Tramway. 2,469,575, May 10.
- Ramage, Alexander S., assignor to A. A. F. Maxwell, Detroit, Mich. as trustee. Production of ethyl alcohol. 2,472,618, June 7.
- Ramage, William D.: *See—*
Howard, Louis B., Ramage, and Rasmussen.
- Ramage, William D., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Treating hydrophilic colloids to avoid swelling during washing. 2,474,367, June 28.
- Ramaley, Edward J.: *See—*
Jackson, Lloyd R., and Ramaley.
- Rambe, Chester G., Portland, Oreg. Retractable anti-glare device. 2,491,765, Dec. 20.
- Rambo, Ingar G., Wauwatosa, assignor to Safway Steel Products Inc., Milwaukee, Wis. Tubing coupler. 2,473,388, June 14.
- Rambo, J. Bryan: *See—*
Young, Thomas J. and H. N., and Rambo.
- Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Electrical circuit. 2,485,919, Oct. 25.
- Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Radio-frequency coupling device. 2,489,433, Nov. 29.
- Rambusch Decorating Company, assignee: *See—*
Huegel, Eduard R.
- Ramey, Harold W., assignor to C. F. Strover, H. W. Ramey, and C. E. Brents, doing business as S. R. B. Company, Los Angeles, Calif., a partnership. Vacuum operated governor for gas motors. 2,479,257, Aug. 16.
- Ramirez, Ricardo: *See—*
Cortese, Elda E., and Ramirez.
- Ramona Products Company, The, assignee: *See—*
Wobser, Herman C., and Monahan.
- Ramont, Raymond E., Los Angeles, Calif. Antisticking surface material for fruit. 2,474,915, July 5.
- Ramos, Pedro S., assignor to Electra Voice Corporation, Chicago, Ill. Rheostat with magnetic operator. 2,467,497, Apr. 19.
- Ramp, Russell M., Houma, La., assignor to the United States of America as represented by the Secretary of Agriculture. Russian dandelion seed harvester. 2,460,029, Jan. 25.
- Rampy, C., assignee: *See—*
Clair, Louis C.
- Ramsaur, John C., Lincoln, N. C. Rapid picture conveyor. 2,478,638, Aug. 9.
- Ramsaur, Walter R., assignor to The Garrett Corporation, Alresearch Manufacturing Company division, Los Angeles, Calif. Oil cooler having automatic bimetal thermostat controlled shutter. 2,474,162, June 21.
- Ramsaur, Walter R., assignor to The Garrett Corporation, Los Angeles, Calif. Oil cooler. 2,474,689, June 28.
- Ramsay, Duncan: *See—*
Thorns, Denis H., and Ramsay.
- Ramsay, Duncan, Wahroonga, New South Wales, Australia, assignor to H. M. Hobson Limited, London, England. Speed governor. 2,488,829, Nov. 22.
- Ramsay, Erskine, Birmingham, Ala. Rotary dump. 2,461,771, Feb. 15.
- Ramsay, Erskine, Birmingham, Ala. Coal handling system. 2,471,042, May 24.
- Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Electrical ignition system. 2,470,413, May 17.
- Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Apparatus for testing the electrical ignition systems of internal-combustion engines. 2,487,070, Nov. 8.
- Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Apparatus for testing ignition systems for internal-combustion engines. 2,487,071, Nov. 8.
- Ramsbottom, John M.: *See—*
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.
- Ramsdell, Floyd A., assignor to Worcester Film Corporation, Worcester, Mass. Apparatus for projecting stereopictures. 2,463,311, Mar. 1.
- Ramsden, Jack W., assignee: *See—*
Bedford, Arthur C.
- Ramsey Corporation, assignee: *See—*
Marien, Charles A.
Marien, Melvin W.
Marien, Melvin W., and Lippmann.
- Ramsey, Charles R., Pittsfield, Mass. Centering pressure chuck. 2,479,405, Aug. 16.
- Ramsey, Erskine, Birmingham, Ala. Mine car wheel bearing structure. 2,465,479, Mar. 29.
- Ramsey, James Eaton, Houston, Tex. Circular refrigerator with pivoted rotatable shelves. 2,458,919, Jan. 4.
- Ramskill, Eugene A.: *See—*
Burgess, David S., Ramskill, and Miller.
- Ramspeck, George C., Chicago, Ill. Piston. 2,462,550, Feb. 22.
- Ramstad, Anders W., Parkland, Wash. Motion-picture screen. 2,473,301, June 14.
- Ranby, Peter W.: *See—*
McKeag, Alfred H., and Ranby.
- Ranck, Esta W., Guaynabo, P. R. Salt shaker. 2,476,113, July 12.
- Ranco Incorporated, assignee: *See—*
Hobbs, Walter V.
Raney, Eldon D.
Raney, Estel C.
- Rand, H. J., Washing Machine Corp., assignee: *See—*
Rand, Henry J.
- Rand, Henry J., Fairfield, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio. Washing machine with squeezer extractor. 2,472,682, June 7.
- Rand, Melvin A., assignee: *See—*
Rand, Ned H.
- Rand, Ned H., assignor of one-half to M. A. Rand, Orange, Mass. Hydrant indicating and operating device. 2,467,908, Apr. 19.
- Randall, David I.: *See—*
Max, Fritz, and Randall.
- Randall, Edmund A., and V. B. Slifer, New York, N. Y. Tool. 2,472,124, June 7.
- Randall, Kenneth, Wayne, Mich., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Ventilator for vehicle bodies. 2,463,715, Mar. 8.
- Randall, Ralph R., Freeport, assignor to Dualoc Syndicate, Rockford, Ill. Nonqualizing-torque differential transmission. 2,462,000, Feb. 15.
- Randall, Ralph R., Freeport, assignor, by mesne assignments, to Dualoc Engineering Co., Rockford, Ill. Non-equalizing torque differential transmission. 2,479,638, Aug. 23.
- Randall, Ralph R., Freeport, assignor, by mesne assignments, to Dualoc Engineering Co., Rockford, Ill. Non-torque-equalizing differential transmission. 2,481,873, Sept. 13.
- Randall, Robert L., St. Louis, Mo., assignor, by mesne assignments, to Midwest Rubber Reclaiming Company, East St. Louis, Ill. Reclaiming scrap of natural rubber mixed with Buna-S. 2,471,496, May 31.
- Randall, Roy H., Manchester, Mich. Looper. 2,470,642, May 17.
- Randall, Waldo E., Cranston, R. I. Rotatable shelf. 2,470,749, May 24.
- Randall, Waldo E., Jr., Cranston, R. I. Navigation apparatus. 2,478,981, Aug. 16.
- Randall, Walter, Dallas, Tex. Storage battery plate connection. 2,480,964, Sept. 6.
- Randol, Glenn T., St. Louis, Mo. Shifting-lever controlled friction clutch. 2,479,083, Aug. 16.
- Randolph, Andrew S. F., Westfield, N. J. Driver and extractor for stud bolts and the like. 2,488,933, Nov. 22.
- Randolph, Arthur J., Santa Rosa, Calif. Apparatus for the manufacture of studs. 2,473,543, June 21.
- Randolph, John W.: *See—*
Hart, James A., Hollis, and Randolph.
- Randolph, Robert W., Milton, assignor to The Parker Pen Company, Janesville, Wis. Ball-point writing instrument. 2,481,874, Sept. 13.
- Randolph, William P., Madisonville, Tex. Load binder. 2,486,676, Nov. 1.
- Randrup, Benjamin F., Portland, Oreg. Starting wrench. 2,491,133, Dec. 13.
- Raney, Eldon D., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,490,919, Dec. 13.

- Raney, Estel C., Delaware, assignor to Ranco Incorporated, Columbus, Ohio. Liquid cooler including control apparatus for limiting ice formation thereon. 2,459,337, Jan. 18.
- Raney, Murray, Chattanooga, Tenn. Producing finely divided metals. 2,461,396, Feb. 8.
- Raney, Russell R., La Grange, Ill., assignor to International Harvester Company, Baler. 2,478,012, Aug. 2.
- Rangabe, Alexander K., assignor to Hivac Limited, Harrow-on-the-Hill, England. Electronic tube. 2,480,608, Aug. 30.
- Ranger, Richard H., U. S. Army, Newark, N. J. Frequency modulated oscillator control. 2,474,278, June 28.
- Ranger, Richard H., Newark, N. J. Aereo-stereo device. 2,477,007, July 26.
- Ranger, Richard H., Newark, N. J. Stereoscopic position indicating means. 2,477,651, Aug. 2.
- Ranville, Francis F., assignor to Ton-Tex Corporation, Grand Rapids, Mich. V-belt tensioning clamp. 2,459,393, Jan. 18.
- Rank, Richard L., St. Louis, Mo. Clip. 2,461,083, Feb. 8.
- Rankenburg, Gunther, Millville, Minn. Self-feeder attachment. 2,474,368, June 28.
- Rankin, Andrew W., Schenectady, N. Y., assignor to General Electric Company, Damper winding for dynamo-electric machines. 2,470,522, May 17.
- Rankin, John A.: *See*—
Huxtable, Clyde K., and Rankin.
- Rankin, Mavis J.: *See*—
Griffith, Dinsmore L., and Rankin.
- Rankin, Thomas B., Brantford, Ontario, Canada. Heating and cooking apparatus. 2,470,446, May 17.
- Ransburg Electro-Coating Corp., assignee: *See*—
Miller, Emery P.
Ransburg, Harold P., and Helmuth.
Ransburg, Harold P., and Miller.
Starkey, William A.
- Ransburg, Harold P., and R. E. Helmuth, assignors, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Method and apparatus for coating articles by electrostatic deposition. 2,463,422, Mar. 1.
- Ransburg, Harold P., and E. P. Miller, assignors, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Overspray recovery for spray booths. 2,486,877, Nov. 1.
- Ransley, Charles E.: *See*—
Brittain, Francis H., and Ransley.
- Ransee, Mauritz C., Minneapolis, Minn. Bag holder. 2,483,844, Oct. 4.
- Ransom, David H.: *See*—
Adams, Paul R., and Ransom.
Deloraine, Edmond M., and Ransom.
- Ransom, David H., London, England, assignor to Federal Telecommunication Labs., Inc., New York, N. Y. All electronic line finder and selector system. 2,490,833, Dec. 13.
- Ransom, David H., London, England, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Ringing arrangement for electronic switching systems. 2,492,180, Dec. 27.
- Ransom, David H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Line finder synchronizer. 2,462,896, Mar. 1.
- Ransom, David H., Montclair, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Ringing arrangement for electronic switching systems. 2,492,179, Dec. 27.
- Ransom, Jack, Cardiff, Wales, assignor of one-third to E. Sanders, Dunnington, and one-third to E. G. Helliwell, Tettenhall, England. Rocking horse. 2,474,114, June 21.
- Ransom, James W., Lansdowne, Pa. pH indicator. 2,471,896, May 31.
- Ransom, Russell A., Dallas, Tex. Condiment shaker. 2,480,421, Aug. 30.
- Ransome, Stafford G., Rockford, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap action mechanism. 2,486,061, Oct. 25.
- Ranson & Randolph Company, The, assignee: *See*—
Moore, Thomas E., and Watts.
- Rapaport, Herman, Chicago, Ill. Electric writing instrument. 2,488,477, Nov. 15.
- Rapaport, Leonard, assignee: *See*—
Fontaine, Jack.
- Raper, Jess W., Oak Park, N. C. Pilot light. 2,479,258, Aug. 16.
- Raphael, Maud: *See*—
Clark, Sara L., and Raphael.
- Rapids-Standard Company, Inc., The, assignee: *See*—
Backart, Lloyd C.
Woldring, Bert and Sebastian.
- Rapinwax Paper Company, assignee: *See*—
Anderson, Harlan V., Sr.
- Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Electrically operated spray outfit. 2,462,001, Feb. 15.
- Rapisarda, Edward D., Agawam, and H. F. Tapp, Longmeadow, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Bubble cap assembly. 2,491,209, Dec. 13.
- Rapoport, Arthur M., assignor to Perfume Spray Products Corp., New York, N. Y. Perfume atomizer. 2,488,682, Nov. 22.
- Rapp, Earl J., and H. R. Coon, Sr., Toledo, Ohio, assignors to Lynch Corporation. Molding and packaging machinery. 2,471,702, May 31.
- Rapp, Earl J., and H. R. Coon, Sr., Toledo, Ohio, assignors to Lynch Corporation. Molding and packaging machinery. 2,471,703, May 31.
- Rapp, George M., New Haven, Conn., assignor to John B. Pierce Foundation, New York, N. Y. Panel structural unit. 2,460,309, Feb. 1.
- Rapp, Leon R., Carpenterville, N. J. Knockdown box or crate. 2,460,104, Jan. 25.
- Rapp, Melville B., Miami Beach, Fla. Decalcomanias. 2,465,927, Mar. 29.
- Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,460,147, Jan. 25.
- Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Electric switch. 2,462,777, Feb. 22.
- Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle body construction. 2,464,609, Mar. 15.
- Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Fluid motor packing. 2,471,897, May 31.
- Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Electric switch. 2,486,677, Nov. 1.
- Rapport, Solomon, New York, N. Y. Paper roll holder. 2,482,871, Sept. 27.
- Rapport, Solomon, New York, N. Y. Nailing machine. 2,482,872, Sept. 27.
- Rapson, William H., and M. Wayman, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Producing chlorine dioxide. 2,481,240, Sept. 6.
- Rapson, William H., and M. Wayman, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Removing chlorine from mixtures containing chlorine dioxide and chlorine. 2,481,241, Sept. 6.
- Rapupano, Doris H., administratrix: *See*—
Rapupano, Henry J. and Doris H.
- Rapupano, Henry J.: *See*—
Zimmerman, Charles H., and Rapupano.
- Rapupano, Henry J., deceased, Milford, by Doris Rapupano, administratrix, New Haven, assignor to United Aircraft Corporation, East Hartford, Conn. Bevel gear drive. 2,479,406, Aug. 16.
- Rashko, John, Leroy, N. Y. Tissue holder. 2,486,678, Nov. 1.
- Raske, Arthur R., Detroit, Mich. Buffing and polishing device. 2,490,472, Dec. 6.
- Raskin, Franz J. M., Montreal, Quebec, Canada. Hydroxylating fuel burner. 2,485,656, Oct. 25.
- Rasmussen, Alfred J., Parker, S. Dak. Portable and foldable corn-shocking frame. 2,480,197, Aug. 30.
- Rasmussen, Arthur M., assignor of one-half to Laird B. Warrington, Glendale, Calif. Block mold. 2,475,435, July 5.
- Rasmussen, Carl C. H., Silver Spring, Md. Cooking equipment. 2,468,778, May 3.
- Rasmussen, Clarence T.: *See*—
Walz, Claude W., Griff, and Rasmussen.
- Rasmussen, Clyde L.: *See*—
Howard, Louis B., Ramage, and Rasmussen.
- Rasmussen, Herbert E.: *See*—
Kellett, John, III, and Rasmussen.
- Rasmussen, Olaf: *See*—
Schultz, Harold W., Robertson, and Rasmussen.
- Rasmussen, Peter M., New York, N. Y. Clamp. 2,489,323, Nov. 29.
- Rasmussen, Sverre: *See*—
Green, Albert, and Rasmussen.
- Raspet, August, Locust Valley, N. Y., assignor to Specialties, Inc. Trailing skid vanes. 2,464,185, Mar. 8.
- Raspet, August, Locust Valley, N. Y. Thermopile for measuring air temperatures. 2,472,759, June 7.
- Raspet, August, assignor to Specialties, Inc., Locust Valley, N. Y. Resonant gyroscope erecting system. 2,490,263, Aug. 30.
- Rast, Frederick Q., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Continuous and intermittent recording instrument. 2,458,418, Jan. 4.
- Rast, Frederick Q., Rochester, N. Y., assignor to Commercial Controls Corporation. Value printing and registering mechanism. 2,482,935, Sept. 27.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Operating mechanism for machine guns. 2,458,028, Jan. 4.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Breech bolt mechanism. 2,465,749, Mar. 29.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,473,904, June 21.
- Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Reversible shell feeder. 2,486,878, Nov. 1.

- Ratchford, Harry L., Williamsport, assignor to Sylvania Electric Products Inc., Emporium, Pa. Electrode for electron discharge devices. 2,472,760, June 7.
- Ratcliff, Harry A., Surbiton Hill, England. Apparatus for heating buildings. 2,468,234, Apr. 26.
- Raterink, Harry R.: *See*—
Bruson, Herman A., and Raterink.
- Raterink, Harry R., Drexel Hill, and H. A. Bruson, Rydal, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. 2-acyl-2-(β -cyanoethyl)-cycloalkanes. 2,466,739, Apr. 12.
- Rath, Herman P., North Bergen, N. J. Light switch. 2,470,643, May 17.
- Rath, Karl: *See*—
Rossmann, Peter F., and Rath.
- Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Electrical follow-up apparatus. 2,458,731, Jan. 11.
- Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Balanced variable frequency motor control system. 2,467,335, Apr. 12.
- Rath, Karl, New York, assignor of one-half to P. F. Rossmann, Depew, N. Y. Making sound picture films. 2,480,162, Aug. 30.
- Rath, Karl, New York, N. Y. Photographic exposure meter having adjustable staggered settings. 2,464,527, Mar. 15.
- Rath, Karl, New York, N. Y. Extinction type exposure meter with automatic eye sensitivity compensation. 2,484,735, Oct. 11.
- Rathbone, Russell J.: *See*—
Hamer, Frances M., Rathbone, and Winton.
Knott, Edward B., Hamer, and Rathbone.
- Rathbun, Harold J., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for hoists powered by polyphase induction motor and coupled to a braking generator. 2,488,238, Nov. 15.
- Rathbun, John P., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchange apparatus. 2,459,095, Jan. 11.
- Rathert, Gustav W., Webster Groves, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,462,283, Feb. 22.
- Rathgeber, Arthur F., assignor of one-half to D. H. Hobbie, Tipton, Kans. Portable silage rack. 2,480,609, Aug. 30.
- Rathman, Gilbert, Union, N. J., assignor to Roots-Connersville Blower Corporation, Connersville, Ind. Screw pump. 2,460,310, Feb. 1.
- Rattner, Sydney, Baltimore, Md., assignor to Radio Corporation of America. Electronic synchronous signal regenerator. 2,470,722, May 17.
- Rattray, George, Mineola, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera for photographing objects moving relatively to the camera. 2,474,323, June 28.
- Rattray, George, Mineola, N. Y., assignor to Mergenthaler Linotype Company. Panoramic telescope. 2,488,239, Nov. 15.
- Rattray, George, Mineola, and I. W. Doyle, Massapequa, N. Y., assignors to Fairchild Camera and Instrument Corporation. Camera having detachable magazine. 2,482,596, Sept. 20.
- Ratz, Elmer G., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Casing for electrical measuring devices with atmospheric conditioner. 2,476,909, July 19.
- Ratz, Elmer G., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Means to open generator field circuit and to dissipate stored magnetic field energy. 2,484,247, Oct. 11.
- Ratzer, Arthur F., assignor to The Pyrene Company Limited, Brentford, England. Producing a stable foam generating composition. 2,481,875, Sept. 13.
- Rau, Charles R.: *See*—
Shelton, Rob R., and Rau.
- Rau, David W., Kirkwood, Mo., assignor to Vickers, Incorporated. Reclamation of selenium rectifier cells. 2,471,898, May 31.
- Rau, Kurt E., Kansas City, Mo. Reclining chair. 2,490,884, Dec. 13.
- Raub, George R., Jr.: *See*—
Raub, George R., Sr., and G. R., Jr.
- Raub, George R., Jr., assignor of one-half to G. R. Raub, Sr., Detroit, Mich. Paint applicator of the stippling roller type. 2,478,318, Aug. 9.
- Raub, George R., Sr., assignee: *See*—
Raub, George R., Jr.
- Raub, George R., Sr., and G. R., Jr., Detroit, Mich. Composition for removing decalcomanias. 2,478,319, Aug. 9.
- Raubitschek, Frederick, Ealing, London, England. Method and machine for combing cotton and other textile fibers. 2,458,732, Jan. 11.
- Rauch, Konrad, assignor to The Sheffield Corporation, Dayton, Ohio. Chuck. 2,462,284, Feb. 22.
- Raudenkolb, Theodor, New York, N. Y. Curtain rod bracket. 2,460,193, Jan. 25.
- Rauh, Herbert H., Columbus, Ohio. Device for aerating water in minnow buckets or the like. 2,483,561, Oct. 4.
- Rauh, Herbert H., Columbus, Ohio. Fishing bait. 2,492,064, Dec. 20.
- Rauland Corporation, The, assignee: *See*—
Antalek, John J.
Baker, James G., and Szegho.
Kester, Arthur S.
Schnable, George K.
Spindler, Joseph C.
Szegho, Constantin S.
- Rausch, John T., and G. Towne, Danville, Ill. Combined electric fan and electric heater assembly. 2,474,594, June 28.
- Rauscher, Manfred: *See*—
Niedelman, Samuel, and Rauscher.
- Rava, Alexander, Jersey City, N. J. Apparatus for welding. 2,464,528, Mar. 15.
- Ravers, Jerry J., Jr., Amiret, assignor of one-third to H. K. Nyberg and one-third to W. D. Knox, Tracy, Minn. Trench jack. 2,482,367, Sept. 20.
- Ravers, Jerry J., Jr., Amiret, Minn. Hitch. 2,491,333, Dec. 13.
- Ravine, Marion D., New Philadelphia, Ohio. Soil aerator. 2,477,204, July 26.
- Rawlings, George W., Kenilworth, England. Manufacture of imbricated electromagnetic elements. 2,487,180, Nov. 8.
- Rawlings, Herbert L.: *See*—
Wallace, James M., and Rawlings.
- Rawlings Manufacturing Company, assignee: *See*—
Latina, Harry B.
- Rawlins, Albert L.: *See*—
Burckhalter, Joseph H., Jones, Rawlins, Tendick, and Holcomb.
- Rawlins, Albert L., Grosse Pointe Woods, W. F. Holcomb, Detroit, E. M. Jones, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and J. H. Burckhalter, assignors to Parke, Davis & Company, Detroit, Mich. Amino methyl phenols. 2,459,338, Jan. 18.
- Rawlins, Herbert L.: *See*—
Baylis, Albert H., and Rawlins.
Sandin, Jerome, Kraft, and Rawlins.
Wallace, James M., Rawlins, Cumming, and Aspey.
- Rawlinson, Charles D., Sr., Dallas, Tex. Combination auger and reamer. 2,481,781, Sept. 13.
- art-Warner Corporation, Chicago, Ill. Resistance welding aluminum to steel, and product thereof. 2,481,614, Rawls Brothers Company, assignee: *See*—
Rawls, Vaughn.
- Rawls, Vaughn, assignor to Rawls Brothers Company, Lima, Ohio. Tread lug rebuilding method for tires. 2,474,013, June 21.
- Rawson, Emanuel, Chicago, Ill., assignor to The Super-heater Company, New York, N. Y. Open foot super-heater support. 2,458,029, Jan. 4.
- Rawson, Leslie A., assignee: *See*—
Harrison, Wilbur A.
- Rawson, Wanda F., assignee: *See*—
Harrison, Wilbur A.
- Ray, Alexander, assignee: *See*—
Einhardt, Harvey A.
- Ray, Don, Beverly Hills, assignor to Arden Farms Co., Los Angeles, Calif. Carton forming device. 2,483,063, Sept. 27.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon shoe soles. 2,459,179, Jan. 18.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for beveling soles. 2,459,339, Jan. 18.
- Ray, Frederick E.: *See*—
Lee, Russell, and Ray.
- Ray, Frederick E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for fluid hydrocarbon conversion. 2,459,096, Jan. 11.
- Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Governor. 2,474,324, June 28.
- Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Acceleration control apparatus. 2,489,586, Nov. 29.
- Ray, Kenneth B., and W. P. Yant, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Liquid protector for air purifying canisters. 2,478,054, Aug. 2.
- Ray, Neil H.: *See*—
Buckley, Gerard D., and Ray.
- Ray Oil Burner Co., assignee: *See*—
Plass, Raymond B.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Valve structure. 2,465,036, Mar. 22.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Thermocouple for fuel burners. 2,466,274, Apr. 5.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Thermostatic safety control system for gas burners. 2,479,779, Aug. 23.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Temperature control system. 2,491,690, Dec. 20.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Refrigerating system. 2,491,905, Dec. 20.
- Ray, William A., Glendale, Calif., assignor to General Controls Co. Bridge circuit control system. 2,491,906, Dec. 20.

- Ray, William A., Los Angeles, Calif., assignor to General Controls Co., Fluid control valve. 2,461,772, Feb. 15.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co., Electromagnetic switching system. 2,469,609, May 10.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co., Follow-up servomotor. 2,474,279, June 28.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co., Air circulation control system. 2,474,369, June 28.
- Ray, William A., Los Angeles, Calif., assignor to General Controls Co., Fluid control valve. 2,477,897, Aug. 2.
- Ray, William A., North Hollywood, Calif., assignor to General Controls Co., Control apparatus. Re. 23,077, Jan. 11.
- Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif., Orifice cartridge. 2,464,942, Mar. 22.
- Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif., Thermoelectric control device. 2,470,864, May 24.
- Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif., Gas-burner control system. 2,472,384, June 7.
- Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif., Motor control follow-up system. 2,488,780, Nov. 22.
- Raybestos-Manhattan, Inc., assignee: *See*—Kuzmick, Joseph N.
Novak, Izador J.
- Raybould, Frank J., assignee: *See*—Ansingh, Herman K.
- Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio., Hose end. 2,460,653, Feb. 1.
- Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio., Hose end assembly. 2,464,416, Mar. 15.
- Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio., Anticreep brake control. 2,489,929, Nov. 29.
- Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio., Pressure cylinder. 2,492,006, Dec. 20.
- Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., Conveyor. 2,471,347, May 24.
- Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., Apparatus for applying serving material to a core. 2,488,934, Nov. 22.
- Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., Scrubber for rubber bales. 2,492,065, Dec. 20.
- Rayden, Murray J., New York, N. Y., Pantie girdle crotch piece. 2,468,346, Apr. 26.
- Raye, George W., Darien, Conn., assignor to General Foods Corporation, New York, N. Y., Refrigerating apparatus. 2,485,509, Oct. 18.
- Rayfield, C. L., Company, assignee: *See*—Rayfield, Charles L.
- Rayfield, Charles L., assignor to C. L. Rayfield Company, Chicago, Ill., Fuel oil preheat control. 2,481,038, Sept. 6.
- Raylite Electric Corp., assignee: *See*—Abramson, Abraham.
- Rayman, Lawrence, Toledo, Ohio., Syringe. 2,474,496, June 28.
- Rayman, Morton M.: *See*—Legg, David A., and Rayman.
- Raymond, Arthur R. and M. J., West Englewood, N. J., Form for casting foundation floors. 2,486,979, Nov. 1.
- Raymond Bag Company, The, assignee: *See*—Sharkey, William E.
- Raymond Concrete Pile Company, assignee: *See*—Henderson, Ira W., and Nilsen.
- Raymond, Edwin E., Racine, Wis., Fabric for the manufacture of rainproof garments. 2,466,911, Apr. 12.
- Raymond, George G., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y., Motor field frame and fabrication. 2,484,001, Oct. 4.
- Raymond, Gwynne, Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo., Ground connector for welding apparatus. 2,475,051, July 5.
- Raymond, James J., Newburgh, N. Y., and W. H. Lehmberg, Riverside, Conn., assignors to American Felt Company, Boston, Mass., Making microporous sheet material. 2,474,201, June 21.
- Raymond, John E., assignor to Canadian Westinghouse Company, Limited, Hamilton, Ontario, Canada., Electronic system for energizing direct-current motors from an alternating-current source. 2,492,007, Dec. 20.
- Raymond Laboratories, Inc., assignee: *See*—Peterson, Durey H.
- Reed, Raymond E., Tenenbaum, and Beste.
- Raymond, Mae J.: *See*—Raymond, Arthur R. and M. J.
- Raymond, Thomas E., assignor to Simplex Engineering Company, Zanesville, Ohio., Fluid pressure energy translating device. 2,461,235, Feb. 8.
- Rayonier Incorporated, assignee: *See*—Schlosser, Paul H., and Gray.
Schlosser, Paul H., and Mitchell.
- Ray-O-Vac Company, assignee: *See*—Lockwood, Lee J., and Gongoll.
Nelson, Clifford G.
Ziska, Adam.
- Raypholtz, Kenneth A.: *See*—Mount, Alva L., and Raypholtz.
- Raypholtz, Kenneth A., assignor to Overmunder Machine, Inc., Marion, Ind., Variable output mixing system. 2,486,323, Oct. 25.
- Raytheon Air Beam, Inc., assignee: *See*—Gross, Fritz A., and Darden, Jr.
- Raytheon Manufacturing Company, assignee: *See*—Anderson, Albert E.
Anderson, Homer G.
Anderson, Mauritz L.
Ballentine, Earle W., and Stolberg.
Barnard, Alvin H., and Skudre.
Becker, Carl W.
Briggs, Rufus L.
Bright, Orlow S., Jr.
Brown, William C.
Brown, William C., and Kather.
Bruck, George G.
Bruck, George G., and Pontecorvo.
Bruck, George G., and Volz.
Bruck, George G., Volz, Pontecorvo, and Vosburgh.
Butler, Benjamin J.
Cage, John M.
Gorton, William G., Pulsifer, and Skudre.
Darrah, William C.
Dawson, John W.
Dawson, John W., and Marshall.
Derby, Palmer P.
Doremus, John A.
England, John H.
Faulk, Donald P.
Gardner, Bernard C.
Gauld, Brownlee B.
Goldsmith, Joseph.
Gorn, Elmer J.
Grabau, William C.
Gross, Thomas A. O.
Hall, William M.
Hall, William M., and LeVan.
Hand, Stanley E.
Hanson, John F.
Hanson, Per Roland, and Ulmer.
Kather, Erich N.
Kelley, Elton K.
Klemperer, Hans.
Klemperer, Hans, and Huntley.
Krim, Norman B.
Lawrence, Leslie G.
Lindahl, Hilmer C.
Lissman, Marcel A.
MacKenzie, Kenneth W.
Pontecorvo, Paul J.
Powers, Donald M.
Richards, Hans K.
Robinson, Richard S.
Sanders, Royden C., Jr., and Mercer.
Schmidt, Robert C.
Sheffield, Wilbur L.
Shropshire, Ralph F.
Skudre, Arnold M.
Smith, Charles G.
Smith, William V.
Spencer, Andrew H.
Spencer, Percy L.
Spencer, Percy L., and Gratecyk.
Sprague, Robert M., Bruck, and Volz.
Stiefel, Karl J.
Stolberg, Sven A.
Stutsman, Paul W.
True, William A.
Tuller, William G.
Turner, Edwin E.
Westcott, Vernon C.
Wood, Ross.
Young, Kenneth A.
- Rätz-Ammann, Hermann, Thun, Switzerland; I. Rätz-Ammann, sole heirless of said H. Rätz-Ammann. Antiskid chain. 2,469,666, May 10.
- Rätz-Ammann, Ida, sole heirless: *See*—Rätz-Ammann, Hermann.
- Razek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to O. W. Storey, Wheaton, as trustee, for the partnership of O. W. Storey & Associates, Chicago, Ill., Apparatus for measuring high resistance. 2,461,923, Feb. 15.
- Razek, Joseph, Llanerch, assignor to Cochrane Corporation, Philadelphia, Pa., Telemetering system for transmitting indications of movements. 2,469,744, May 10.
- Razek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to Cochrane Corporation. Unbalanced bridge compensation. 2,476,384, July 19.
- Razek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to O. W. Storey, Wheaton, as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill., Apparatus for determining thermal conductivity. 2,484,736, Oct. 11.

- Razek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to O. W. Storey, Wheaton, as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Measuring apparatus. 2,484,737, Oct. 11.
- Rea, Antonia, assignee: *See*—
Bedell, Stewart C.
- Rea, Thomas, Detroit, Mich. Sun visor. 2,458,918, Jan. 11.
- Rea, Wilton T.: *See*—
Bascom, Henry M., Massonneau, Ostendorf, Jr., and Rea.
- Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling apparatus and system. 2,458,030, Jan. 4.
- Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antikickoff circuit for telegraph repeaters. 2,465,480, Mar. 29.
- Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph transmitter control mechanism. 2,468,462, Apr. 26.
- Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,471,284, May 24.
- Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal distortion measuring apparatus and system. 2,480,878, Sept. 6.
- Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative telegraph repeater utilizing an impulse generator. 2,487,181, Nov. 8.
- Reach, Milton B., Jr.: *See*—
Reach, Milton B., Sr., and Reach, Jr.
- Reach, Milton B., Sr., Springfield, and M. B. Reach, Jr., Westfield, Mass. Golf playing field. 2,482,210, Sept. 20.
- Reaction Motors, Inc., assignee: *See*—
Lawrence, Lovell, Jr., and Wyld.
- Wyld, James H., and Lawrence.
- Read, Charles E.: *See*—
McIntyre, Brouwer D., and Read.
- Nickelsen, John M., and Read.
- Read, Chester L., Westfield, N. J., assignor to Standard Oil Development Company. Decomposing acid sludge. 2,467,855, Apr. 19.
- Read, Harold E., Hopewell, Va., assignor, by mesne assignments, to Continental Can Company, Incorporated, New York, N. Y. Molding material. 2,489,541, Nov. 29.
- Read, Harold J., assignor to H. H. Robertson, Pittsburgh, Pa. Cutting tip for cutting tools. 2,462,002, Feb. 15.
- Read, Henry M.: *See*—
Knott, William H., and Read.
- Read, John C., Inwoods, Rugby, England, assignor to General Electric Company. Mercury arc rectifier. 2,490,542, Dec. 6.
- Read, Julia, New York, N. Y. Petti-bra slip. 2,474,115, June 21.
- Read, Paul, North Redondo Beach, Calif. Plant topping machine. 2,476,910, July 19.
- Reade, Ralph B., Larchmont, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Mixer circuit using cathode follower feed-in stages. 2,471,449, May 31.
- Readman, Bernard L.: *See*—
Gardiner, Duncan B., and Readman.
- Ready, William A., Weston, assignor to National Company, Inc., Malden, Mass. Socket for electronic tubes. 2,477,940, Aug. 2.
- Reagan, Allan W.: *See*—
Byers, Floyd L., and Reagan.
- Reagan, Mendal F., Phoenix, Ariz. Date bunch spreader and inserter. 2,463,202, Mar. 1.
- Reager, Georgia V.: *See*—
Burkett, Amy, and Reager.
- Reahard, Thomas R., North Manchester, Ind. Trash chopper for plows. 2,489,930, Nov. 29.
- Ream, George W., Johnstown, Pa. Stabilizer for child's carriage. 2,465,037, Mar. 22.
- Ream, Kenneth C., Alexander, Kans. Toy gun cartridge. 2,482,436, Sept. 20.
- Reams, Howard E., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding machine with optical system. 2,465,038, Mar. 22.
- Rear, James C., Berkeley, assignor to The Union Ice Company, San Francisco, Calif. Open-top refrigerated display case. 2,460,030, Jan. 25.
- Reardon, Eugene J., assignee: *See*—
Kramer, Herman J.
- Reardon, Joseph D.: *See*—
Lowber, David D., Reardon, and Collyer.
- Reardon, Robert E., Camden, N. J. Self-luminous reticle. 2,490,091, Dec. 6.
- Reason, Richard E., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Apparatus for measuring or indicating the roughnesses or undulations of surfaces. 2,471,009, May 24.
- Reason, Richard E., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Apparatus for measuring or indicating the roughnesses or undulations of a surface. 2,491,016, Dec. 13.
- Reason, Richard E., and D. R. Berridge, assignors to Taylor, Taylor & Hobson Limited, Leicester, England. Apparatus for measuring or indicating roughness or undulations of a surface. 2,483,668, Oct. 4.
- Rebeaud, Felix O., London, England. Razor blade holder. 2,479,639, Aug. 23.
- Rebours, Jules E., Grand Rapids, Mich. House trailer construction. 2,484,812, Oct. 11.
- Rebstock, Mildred C.: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.
- Rechain, Eugene, Neuilly-sur-Seine, assignor to Societe Nationale de Constructions Aeronautiques Du Nord, Paris, France. Arrangement of the retractable front landing gear in aircraft with straight type engine. 2,487,589, Nov. 8.
- Rechler, Morton D., assignor to Rexart Metal Industries Inc., New York, N. Y. Folding chair. 2,467,909, Apr. 19.
- Reck, Peter C., Adrian, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Audible signal. 2,463,203, Mar. 1.
- Reck, Peter C., Adrian, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Diaphragm type electromagnetic signal device. 2,486,679, Nov. 1.
- Reck, Peter C., Adrian, Mich., assignor, by mesne assignments, to Sperti Faraday Inc. Chime. 2,486,680, Nov. 1.
- Reckard, Charles E., Brooklyn, N. Y. Lighting control. 2,467,910, Apr. 19.
- Recker, Florian B., Hopkinton, Iowa. Self-unloading vehicle body. 2,463,648, Mar. 8.
- Recker, Kenneth H., Winter Haven, Fla. Wax-coating produce. 2,464,529, Mar. 15.
- Reckler, Laurence L., Sparks, Nev. Lubricant holder for sportsmen. 2,490,650, Dec. 6.
- Reckmeyer, Verne H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing light filter foils. 2,461,480, Feb. 8.
- Reconstruction Finance Corporation, assignee: *See*—
Castle, James B.
Di Zoppola, Mario.
Forsythe, Paul E.
Frieder, Leonard P., and Finken.
Gibson, George M.
Harrison, Elmer P.
Harrison, Elmer P., and Hunt.
Kimball, Charles N., Brown, and Tyler, Jr.
Magnus, Finn H.
McArthur, Warren.
Peremi, Edmund, and Weimann.
- Record, Frank A., Potsdam, N. Y., assignor to the United States of America as represented by the Secretary of War. Tunable cavity resonator. 2,463,423, Mar. 1.
- Rector, Christopher W., Cleveland, Ohio. Life preserver valve. 2,476,220, July 12.
- Rector, Jacob L., Belmar, N. J. Electronic pulse shaping circuit. 2,462,897, Mar. 1.
- Rector, Laurence L., Fort Worth, and C. L. Cron, Houston, Tex. Sealing compositions containing chlorinated diphenyl and graphite. 2,471,010, May 24.
- Red Arrow Maltng Company, assignee: *See*—
Erlich, Victor L.
- Reddert, Earl J., Madison, and W. Sartorius, Summit, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap trimmer. 2,465,398, Mar. 29.
- Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cartridge starter for combustion gas turbines. 2,457,833, Jan. 4.
- Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multi-rotor gas turbine power plant with propeller. 2,478,206, Aug. 9.
- Redekopp, Calvin W., Butterfield, Minn. Electric welding apparatus. 2,484,959, Oct. 18.
- Reder, Emil E., Jr., Chicago, Ill. Cord protector and strain reliever for use with electrical connectors. 2,472,986, June 14.
- Redfern, Donald V., Seattle, Wash., assignor, by mesne assignments, to American-Marietta Company, Chicago, Ill. Making synthetic resin adhesive base from cresylic acid and furfural. 2,467,498, Apr. 19.
- Redfield, George E., assignor to Admiral Corporation, Chicago, Ill. Phonograph drive. 2,479,512, Aug. 16.
- Redick, Earl W.: *See*—
Vigmostad, Trygve, and Redick.
- Redin, Eric G., and K. E. Olander, assignors to Aktiebolaget Manus, Norrköping, Sweden. Machine milking plant. 2,469,519, May 10.
- Redinger, John T., Pittsburgh, Pa. Heel fender. 2,487,477, Nov. 8.
- Redington, Eugene E., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Plow mechanism for extrusion apparatus. 2,488,830, Nov. 22.
- Redington, F. B., Co, assignee: *See*—
Malhot, Clarence J.
- Redington, John, Schumacher, Ontario, Canada. Loading apparatus. 2,478,055, Aug. 2.
- Red Jacket-Manufacturing Co., assignee: *See*—
Deters, Elmer W.
- Redler Conveyor Company, assignee: *See*—
Sinden, Alfred D.
- Redler, Philip, Brooklyn, C. Davies, New Rochelle, and S. Unger, assignors to Kord Manufacturing Co., Inc., New York, N. Y. Portable electric stove. 2,466,781, Apr. 12.

- Redman, Harold M., Pontiac, Mich. Venetian blind. 2,486,492, Nov. 1.
- Redman, John C., Harrow Weald, England. Electrical measuring instrument. 2,470,644, May 17.
- Redmon, Bryan C., Amherst, Mass., assignor to American Cyanamid Company, New York, N. Y. Preparation of acrylic acid. 2,469,701, May 10.
- Redmon, Bryan C., Amherst, Mass., assignor to American Cyanamid Company, New York, N. Y. Preparation of acrylic acid and esters thereof. 2,485,510, Oct. 18.
- Redmon, Bryan C., Amherst, and G. R. Griffin, Belmont, Mass., assignors to American Cyanamid Company, New York, N. Y. Preparation of esters of acrylic acid. 2,464,768, Mar. 15.
- Redmond Company, Inc., assignee: See—
Morris, William J., Jr.
Vacha, Fred P.
- Redmond, Harriet L., Boston, assignor to The William Carter Company, Needham Heights, Mass. Garment. 2,471,348, May 24.
- Redmond, John A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tunable coupling network for push-pull amplifiers. 2,467,778, Apr. 19.
- Redmond, Norbert M., Sr., New Orleans, La. Pipe and sewer cleaning apparatus. 2,481,152, Sept. 6.
- Redmond, Thomas, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Resistance welding aluminum to steel, and product thereof. 2,481,614, Sept. 13.
- Redstone, Louis G., Detroit, Mich. Helicopter station. 2,481,343, Sept. 6.
- Reece Corporation, The, assignee: See—
Reece, Franklin A., Jr., and Nichols.
- Reece, Franklin A., Jr., and W. E. Nichols, Milton, assignors, by mesne assignments, to The Reece Corporation, Boston, Mass. Buttonhole sewing machine. 2,477,941, Aug. 2.
- Reece, Herbert A., Cleveland Heights, Ohio. Obtaining predetermined physical constitution in iron. 2,467,406, Apr. 19.
- Reece, Herbert A., Cleveland Heights, Ohio. Apparatus for supplying air to cupola furnaces. 2,471,775, May 31.
- Reece, Herbert A., Cleveland Heights, Ohio. Air supply apparatus for cupola furnaces. 2,471,776, May 31.
- Reed, Alfred B., assignor to Eastman Kodak Company, Rochester, N. Y. Picture selector. 2,472,619, June 7.
- Reed, Arthur B., Shreveport, La. Tape dispenser. 2,472,761, June 7.
- Reed, Barbara, assignee: See—
Reed, Frank D., Jr.
- Reed, Cortes F., Anoka, assignor to Federal Cartridge Corporation, Minneapolis, Minn. Milkweed seed oil. 2,480,769, Aug. 30.
- Reed, Daniel E.: See—
Pratt, Verneur E., Gray, and Reed.
- Reed, Frank D., Jr., assignor to Barbara Reed, Detroit, Mich. Bridle. 2,471,121, May 24.
- Reed, Frederick: See—
Stafford, Charles, and Reed.
- Reed, George R., Grosse Pointe Park, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Spring cambering machine. 2,473,445, June 14.
- Reed, Ira J., Kokomo, Ind. Pressure responsive switch actuator. 2,475,404, July 5.
- Reed, Laurence G.: See—
Martin, Mervin E., Reed, and Thomas.
- Reed, Price L., Royersford, assignor to Superior Tube Company, Philadelphia, Pa. Machine for making electrode assemblies. 2,476,454, July 19.
- Reed, Raymond E., D. Tenenbaum, and M. D. Beste, assignors to Raymond Laboratories, Inc., St. Paul, Minn. Cream hair treating preparations. 2,464,280, Mar. 15.
- Reed, Robert M., assignor to The Girdler Corporation, Louisville, Ky. Method of and apparatus for the separation of acidic gases from gaseous mixtures. 2,466,183, Apr. 5.
- Reed, Robert M., assignor to The Girdler Corporation, Louisville, Ky. Method and apparatus for removing carbon monoxide from gaseous mixtures. 2,487,981, Nov. 15.
- Reed Roller Bit Company, assignee: See—
Boice, Elvin G.
Cutler, John P.
Katterjohn, August H.
Noble, Wiley B., and Francis.
Van Sittert, Paul.
Van Sittert, Paul, and Barth.
Whiteledge, Edgar R.
- Reed, Wade, Fort Wayne, Ind., assignor to General Electric Company, Oiler. 2,478,639, Aug. 9.
- Reed, Wilbur S., assignor to J & R Products Company, Philadelphia, Pa. Auto tow. 2,480,770, Aug. 30.
- Reed, William T., executor: See—
Hoerber, Harold.
- Reed, Winston H., Syracuse, and W. A. Pennington, Fayetteville, assignors to Carrier Corporation, Syracuse, N. Y. Producing increased refrigeration. 2,479,259, Aug. 16.
- Reedy, Perry M., Jr., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Synthetic rubberlike coating and sealing compound. 2,465,552, Mar. 29.
- Reedy, William, assignee: See—
Flick, Francis S.
- Reeg, Foster D., assignor to Kirsch Company, Sturgis, Mich. Coupling. 2,478,056, Aug. 2.
- Reek, Royal J., assignor to Bendix Aviation Corporation, South Bend, Ind. Air propeller. 2,492,653, Dec. 27.
- Reeker, Cecilia, assignee: See—
Huenergardt, William H.
- Reel, Benjamin, Products, Inc., assignee: See—
Yirava, Charles R.
- Reelshav Corporation, assignee: See—
Jones, George D.
Jones, George D., and Miller.
- Reely, William H., assignee: See—
Elmore, Austin E.
- Rees, Clarence A., assignor to Illinois Tool Works, Chicago, Ill. Stud retainer. 2,492,113, Dec. 20.
- Rees, Frank X., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Electromagnetically operated pretensioned contact spring. 2,490,280, Dec. 6.
- Rees, Harry V., Chappaqua, and Clifford G. Ludeman, Eastchester, assignors to Texaco Development Corporation, New York, N. Y. Manufacture of hydrocarbons and the like. 2,486,879, Nov. 1.
- Rees, Ned J., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,462,285, Feb. 22.
- Reese, Charles R.: See—
Gutschow, Arthur H., and Reese.
- Reese, Earl R., and A. Upton, Newton, Ill. Body positioner attachment for caskets. 2,470,321, May 17.
- Reese, Emmet P., Shoup, Idaho. Double compartment hay drier having fluid current conveying means. 2,465,928, Mar. 29.
- Reese, Francis E.: See—
Mohrman, Harold W., and Reese.
- Reese, John, and W. C. Troendle, assignors to Thayer Company, Gardner, Mass. Folding carriage. 2,469,475, May 10.
- Reese, John D., Philadelphia, Pa. Dermatome. 2,479,185, Aug. 16.
- Reese, John D., Philadelphia, Pa. Dermatome. 2,479,260, Aug. 16.
- Reese, John D., Philadelphia, Pa. Dermatone holder. 2,484,740, Oct. 11.
- Reese, John E.: See—
Bishop, William T., Lorand, and Reese.
Lorand, Eugene J., and Reese.
- Reese, Michael, Research Corporation, assignee: See—
Levinson, Sidney O., and Oppenheimer.
- Reese, Wyllis L.: See—
Bently, Emmett C., and Reese.
- Reetz, Conrad C. A., assignor of one-half to L. A. Bloom, Seattle, Wash. Creation of marbled patterns from semifluid substances. 2,479,261, Aug. 16.
- Reeve Electrical Company, Inc., The, assignee: See—
Magdelain, Philéas.
- Reeves Ely Laboratories, Inc., assignee: See—
Newell, Heber L.
- Reeves, Hazard E., New York, N. Y., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Crystal holder. 2,488,781, Nov. 22.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Primary air and gas supply means for burners. 2,474,957, July 5.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Broiler. 2,477,546, July 26.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Range oven vent. 2,480,044, Aug. 23.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Cookstove. 2,480,045, Aug. 23.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Cooking top. 2,480,046, Aug. 23.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas range. 2,483,562, Oct. 4.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Separable base and cap gas burner. 2,490,885, Dec. 13.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Level position indicator for oil stoves. 2,491,334, Dec. 13.
- Reeves Hoffman Corporation, assignee: See—
Adams, James B., Jr.
Reeves, Hazard E.
- Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic energy conversion and control system. 2,459,340, Jan. 18.
- Reeves, John S., Baltimore, Md. Decorticating machine. 2,490,157, Dec. 6.
- Reeves Pulley Company, assignee: See—
Malcom, Glen.
- Reeves, Richard E., New Orleans, La., and J. E. Giddens, Washington, Ga., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of nitrocellulose. 2,471,583, May 31.
- Reeves, Richard F.: See—
Parker, Robert F., Reeves, and Conn.
- Refined Syrups & Sugars, Inc., assignee: See—
Smolderen, Ferdinand V., and Cody.
- Refining, Unincorporated: See—
Clayton, Benjamin.
Thurman, Benjamin H.

- Refining, Unincorporated, assignee: *See*—
Clayton, Benjamin.
Ewing, Frederick J.
- Reffner, Mary W., Billings, Mont. Educational device. 2,467,051, Apr. 12.
- Regan, Kathryn, New Orleans, La. Electric burglar alarm. 2,476,114, July 12.
- Reganato, Joseph, Jamaica, and A. G. Guertin, Long Island City, N. Y. Sanitary toothbrush holder and separator. 2,463,055, Mar. 1.
- Regenold, Frederick A., Memphis, Tenn. Pouched bat game device. 2,480,264, Aug. 30.
- Regent of the University of California, The, assignee: *See*—
Barbee, Charles E., and Berggren.
- Regents of the University of Michigan, assignee: *See*—
Blicke, Frederick F.
- Regents of the University of Michigan, The, assignee: *See*—
Firestone, Floyd A.
- Regents of the University of Minnesota, assignee: *See*—
Montonna, Ralph E., and Reyerson.
Nier, Alfred O.
- Reget, George, New Rochelle, N. Y. Positive brake or arresting means. 2,458,733, Jan. 11.
- Reget, George, St. Albans, N. Y. Cake icing machine. 2,481,242, Sept. 6.
- Regina Corporation, The, assignee: *See*—
Smith, Courtland N., Jr.
- Regina, S. A., assignee: *See*—
Ancet, Victor M. J.
- Regina, S. A., a societe anonyme, assignee: *See*—
Ancet, Victor M. J.
- Regina S. A., Tangiers, Morocco, assignee: *See*—
Ancet, Victor M. J.
- Regna, Peter P.: *See*—
Pasternack, Richard, and Regna.
- Regner, Albert, assignor to Spolek pro chemickou a hutni výrobu narodni podnik—United Chemical and Metallurgical Works National Corporation, Prague, Czechoslovakia. Separating constituents of alloys by fractional crystallization. 2,471,899, May 31.
- Regner, Albert, Praha-Smichov, assignor to Spolek Pro Chemickou a Hutni Vyrobu, also named United Chemical and Metallurgical Works, Ltd., Praha, Czechoslovakia. Producing aluminum-silicon alloys. 2,464,610, Mar. 15.
- Regnery, F. L., Corp., assignee: *See*—
Davies, Trevor L.
- Rehberg, Chessie E.: *See*—
Mast, William C., Rehberg, and Fisher.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to The United States of America as represented by the Secretary of Agriculture. Acrylic esters of ether-alcohols. 2,458,888, Jan. 11.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of acyloxy-carboxylic acids. 2,464,992, Mar. 22.
- Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polyalkyl-cyclohexanol acrylates. 2,473,544, June 21.
- Reher, James C., Jr., assignee: *See*—
Throne, Dallas.
- Rehill, Melvin C., White Plains, N. Y. Aircraft trip calculator. 2,487,590, Nov. 8.
- Rehm, Frank J., Jr., Elmwood Park, assignor to Sittler Manufacturing Corp., Chicago, Ill. Electric swivel connection. 2,459,118, Jan. 11.
- Rehman, Irving, Los Angeles, assignor of one-fourth to E. M. Arnold, and one-fourth to E. W. Lowman, Corona, Calif. Therapeutic and diagnostic machine. 2,477,084, July 26.
- Rehman, Irving, Los Angeles, and K. D. Crawford, Glendale, Calif. Armrest for manicurist tables or barber chairs. 2,477,898, Aug. 2.
- Rehn, Anna, New York, N. Y. Eye spray. 2,458,876, Jan. 11.
- Rehner, John, Jr., Westfield, and P. J. Flory, Cranford, N. J., assignors to Standard Oil Development Company. Chemical plasticizers or softeners for butyl rubber. 2,462,674, Feb. 22.
- Reiber, Albert H., deceased, by E. Y. Reiber, Evanston, Ill. Mechanical ciphering system. 2,458,734, Jan. 11.
- Reiber, Emily Y.: *See*—
Reiber, Albert H. and E. Y.
- Reich, Ernst: *See*—
Felix, Friedrich, and Reich.
Kaiser, Otto, and Reich.
Marton, Béla, and Reich.
- Reich, George A., Cleveland, Ohio. Roller skate. 2,461,128, Feb. 8.
- Reich, George F. P., Bremerton, Wash. Sealing assembly. 2,476,324, July 19.
- Reich, Gustave T., Philadelphia, Pa. Recovery of sludge acids. 2,463,204, Mar. 1.
- Reich, Gustave T., Philadelphia, Pa. Treating fermentable materials. 2,464,611, Mar. 15.
- Reich, Gustave T., Philadelphia, Pa. Method of and apparatus for commodity preservation with carbon dioxide. 2,483,064, Sept. 27.
- Reich, Harold A., New York, N. Y. Skirt marker. 2,484,002, Oct. 4.
- Reich, Irving: *See*—
Omohundro, Allen L., Fanto, and Reich.
- Reich, Joseph, Tel Aviv, Palestine. Dental metal alloys. 2,460,595, Feb. 1.
- Reich, Julius R., Dayton, Ohio. Center lap. 2,489,722, Nov. 29.
- Reich, Robert A.: *See*—
Whelan, Roderick J., and Reich.
- Reich, Walter J., and M. J. Nechtow, Chicago, Ill. Internal heat-treatment device. 2,466,042, Apr. 5.
- Reich, William A., Schenectady, N. Y., assignor to General Electric Company. Improving the properties of precipitation hardenable castings. 2,470,791, May 24.
- Reichard, Arthur E.: *See*—
Grant, Harry C., Jr., and Reichard.
- Reichard, Lawrence P., assignee: *See*—
Jones, Samuel M., and Reichard.
- Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Approach started coded track circuit signaling system. 2,488,683, Nov. 22.
- Reichardt, Hendricus C., Amsterdam, Netherlands. Lifting apparatus. 2,482,211, Sept. 20.
- Reichart, James H., Muncie, Ind. Portable electric barbecue. 2,470,645, May 17.
- Reiche, Ludwig, New York, N. Y. Vector calculating device. 2,465,481, Mar. 29.
- Reichel, Frank H., Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Apparatus for the production of artificial casings. 2,492,440, Dec. 27.
- Reichel, Frank H., Fredericksburg, Va., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Artificial casing. 2,492,441, Dec. 27.
- Reichel, Wladimir A., Hackensack, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,481,782, Sept. 13.
- Reichenbach, Howard F., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Bimetallic drain fitting. 2,469,991, May 10.
- Reichenbach, Howard F., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Telescoping lamp standard. 2,473,218, June 14.
- Reichenbach, Howard F., assignor to Cresale Incorporated, Waterbury, Conn. Lipstick holder. 2,482,368, Sept. 20.
- Reichenbach, Joseph V.: *See*—
Armstrong, Werner E., and Reichenbach.
- Reichert, Harold E.: *See*—
Montgomery, Terryl B., and Reichert.
- Reichert, Joseph S.: *See*—
K'burg, Paul B., and Reichert.
- Reichert, Norman N., National Park, N. J. Nonshackle padlock. 2,492,318, Dec. 27.
- Reichstein, David, Zurich, Switzerland. Arc lamp and its low-tension ignition. 2,474,403, June 28.
- Reichner, William M., New York, N. Y. Dental bridge attachment. 2,491,581, Dec. 20.
- Reichold, Ludwig, Winsted, assignor to The Silux Company, Hartford, Conn. Automatic coffee maker. 2,458,640, Jan. 11.
- Reichold, Ludwig, Winsted, assignor to The Silux Company, Hartford, Conn. Filter for coffee makers. 2,476,158, July 12.
- Reichold, Ludwig, Winsted, assignor to The Silux Company, Hartford, Conn. Filter for coffee makers. 2,483,104, Sept. 27.
- Reichstein, Tadeus, Basel, Switzerland, assignor to Organon, Inc., Orange, N. Y. Ring-C unsaturated alpha-substituted side-chain steroid ketones and process. 2,479,966, Aug. 23.
- Reid, Alexander C.: *See*—
Boswau, Hans P., and Reid.
- Reid, Alexander C., and J. M. Blackhall, assignors to Leich Electric Company, Genoa, Ill. Automatic telephone system. 2,485,986, Oct. 25.
- Reid, Andrew M., Chicago, Ill. Toast-marking electric heating assembly. 2,483,669, Oct. 4.
- Reid, Arthur A., Westfield, N. J., assignor to Reid Engineering Company. Composition for preparing aluminum and the like for welding. 2,465,750, Mar. 29.
- Reid, David, Jr., Holden, assignor to Norton Company, Worcester, Mass. Diamond abrasive wheel. 2,479,079, Aug. 16.
- Reid, Ebenezer E.: *See*—
Hartough, Howard D., Kosak, and Reid.
- Reid Engineering Company, assignee: *See*—
Reid, Arthur A.
- Reid, Eugene T., Bay Minette, Ala. Boat carrier trailer. 2,478,424, Aug. 9.
- Reid, George A., assignor to Northwest Metal Products, Inc., Seattle, Wash. Child's scooter. 2,460,395, Feb. 1.
- Reid, Graeme, Essex Felts, N. J. Variable-speed power transmission. 2,473,545, June 21.
- Reid, Hay B., Fairhaven, Mass. Latching device. 2,484,738, Oct. 11.
- Reid, Irle M., Spokane, Wash. Tightener and tying tool for form tie wires. 2,491,582, Dec. 20.
- Reid, James, Sierra Madre, Calif. Desk level visible card cabinet. 2,463,644, Mar. 8.
- Reid, John D., Cincinnati, and P. F. G. Holst, Mount Healthy, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Tone control. 2,474,191, June 21.

- Reid, John D., Mount Healthy, and C. E. Kilgour, Cincinnati, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation. Radio receiving system. 2,477,391, July 26.
- Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Low-pressure absorption refrigerating system. 2,473,389, June 14.
- Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Evaporator having an extended vaporizing surface area. 2,485,844, Oct. 25.
- Reid, John I., York, Pa. Electric-lighting switch. 2,476,768, July 19.
- Reid, John J.: *See*—
Cohen, Sidney, and Reid.
- Reid, Merton E.: *See*—
Michelsen, Henry, and Reid.
- Reid, Patricia, Chicago, Ill. Liquid container. 2,467,779, Apr. 19.
- Reid, Robert J.: *See*—
Groten, Frank J., and Reid.
- Reid, Ronald, Irlam, England. Automatic control system. 2,473,905, June 21.
- Reid, Thomas H., Brooklyn, N. Y. Balancing centrifugal machine. 2,461,773, Feb. 15.
- Reid, Thomas J., Windsor, Ontario, Canada. Gas burner apparatus. 2,463,558, Mar. 8.
- Reid, William B., Jr.: *See*—
Hunter, James H., and Reid.
- Reifel, Harry, Waltham, assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Electric pressure and deflection gauge. 2,458,735, Jan. 11.
- Reifel, Harry, Waltham, and H. G. Weightman, Scituate, assignors, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Polarized magnetic switch structure. 2,491,907, Dec. 20.
- Reiff, Orland M., Woodbury, H. D. Hartough, Pitman, and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricant. Re. 23,140, Aug. 9.
- Reiff, Orland M., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of polyalkylbenzyl phenols. 2,462,426, Feb. 22.
- Reiff, Orland M., Woodbury, N. J., and A. M. Moore, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Separating alkyl benzenes from admixture with paraffins and naphthenes. 2,464,769, Mar. 15.
- Reiff, Orland M., F. P. Otto, J. J. Giammaria, and E. A. Oberright, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkyl-substituted aromatic-aliphatic carboxylic acid. 2,475,916, July 12.
- Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony Vacuum Oil Company, Incorporated. Hydroxyaromatic phosphorus amine-phosphorus sulfide reaction products. 2,479,407, Aug. 16.
- Reiff, Orland M., and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil lubricants. 2,480,673, Aug. 30.
- Reilly, Alfred F., North Attleboro, Mass. Lighter. 2,463,424, Mar. 1.
- Reilly, Claude, Orange Grove, Johannesburg, Transvaal, Union of South Africa. Pipe coupling. 2,467,911, Apr. 19.
- Reilly, Desmond F., Albany, N. Y. Barrel mounting for automatic pistols. 2,489,816, Nov. 29.
- Reilly, Frank J., Winter Park, Fla. Air conditioning system. 2,477,823, Aug. 2.
- Reilly, Jack E., and R. M. Jolly, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Excitation limiting system. 2,476,911, July 19.
- Reilly Tar & Chemical Corporation, assignee: *See*—
Cislak, Francis E., and Otto.
Cislak, Francis E., and Sutherland.
- Reiman, Robert F., Fort Wayne, Ind. Convertible chair for infants. 2,462,675, Feb. 22.
- Reimann, Genevieve B., Baltimore, Md. Spectrophotometric curve reading apparatus. 2,469,129, May 3.
- Reimann, Pearl S., assignee: *See*—
Barlock, Everett W.
- Reimer, John F., Fowler, Kans. Disk rolling machine. 2,477,205, July 26.
- Reimers, Alfred E., Harrington Park, N. J. Manufacture of electrically heated devices and electric-resistance heating elements therefor. 2,468,409, Apr. 26.
- Reimers, Theodore D., Manhasset, assignor to Edward Ermold Company, New York, N. Y. Bottle feed device for labeling machines. 2,464,530, Mar. 15.
- Reimert, Lawrence J., and E. A. Fatzinger, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Fluorescent zinc oxide pigments. 2,481,344, Sept. 6.
- Rein, Charles, Scarsdale, N. Y. Electrical switch. 2,469,274, May 3.
- Rein, Samuel, Hempstead, and Seymour Tesler, New York, N. Y. Cigarette lighter. 2,469,442, May 10.
- Reinad Novelty Co. Incorporated, assignee: *See*—
Reinstein, Harry.
- Reinartz, John L., Lancaster, Pa., assignor to Radio Corporation of America. Making ultra high frequency inductors. 2,471,777, May 31.
- Reincke, Adolf, Detroit, Mich. Painter's guide tool. 2,476,509, July 19.
- Reinecke, Esther, assignee: *See*—
Rodriguez, Alfred.
- Reinecke, Jean O., assignee: *See*—
Rodriguez, Alfred.
- Reineke, Ezra P.: *See*—
Turner, Charles W., and Reineke.
- Reiner, Kenneth, Los Angeles, and A. Braga, Eagle Rock, Calif.; said Braga assignor to said Reiner. Clamp. Re. 23,163, Nov. 1.
- Reiner, Kenneth, Los Angeles, and A. Braga, Eagle Rock, Calif.; said Braga assignor to said Reiner. Clamp. 2,459,452, Jan. 18.
- Reiner, Leopold, Orange, assignor to United Electronics Company, Newark, N. J. Getter structure. 2,462,813, Feb. 22.
- Reiner, Samuel, Brooklyn, N. Y. Necktie. 2,484,388, Oct. 11.
- Reinert, Armin E., Shawano, Wis. Sampling device. 2,475,857, July 12.
- Reingruber, Frank, New York, N. Y. Thermostatic switch. 2,483,670, Oct. 4.
- Reinhard, Robert N., Montrose, assignor to Golden State Company, Ltd., San Francisco, Calif. Delivery truck of interfitted trailer and powered tractor unit. 2,480,047, Aug. 23.
- Reinhardt, Bryson K., Mounds View Township, Ramsey County, Minn., assignor to General Electric Company. Starting switch for electric discharge devices. 2,462,335, Feb. 22.
- Reinhardt, Robert C.: *See*—
Boyer, Raymond F., Matheson, and Reinhardt.
- Reinhold, Albert C., Marietta, Pa. Telephone transmitter support and silencer. 2,458,199, Jan. 4.
- Reinhold, Otto F., Irvington, N. J. Making a metallic aluminum solder. 2,467,780, Apr. 19.
- Reinke, Fred A., Cleveland, Ohio. Hat and tie holder. 2,461,178, Feb. 8.
- Reinken, Louis W., Plainfield, N. J., assignor to W. Green Electric Company, Inc., New York, N. Y. Direct-current power supply. 2,467,336, Apr. 12.
- Reinker, Christ, Lakewood, Ohio. Brush mounting for dynamoelectric machines. 2,477,766, Aug. 2.
- Reinking, Walter, Roselle, Ill. Truck unloading mechanism. 2,482,028, Sept. 13.
- Reinmann, Moses A., Jerusalem, Palestine. Wind wheel. 2,458,419, Jan. 4.
- Reinschmidt, Charles G., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable lecher circuit. 2,475,193, July 5.
- Reinschmidt, Charles G., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit maker and breaker. 2,478,781, Aug. 9.
- Reinschmidt, Edward H., Jr., assignor to Collins Radio Company, Cedar Rapids, Iowa. Rotary electrical switch. 2,472,230, June 7.
- Reinstein, Harry, Rye, assignor to Reinad Novelty Co. Incorporated, New York, N. Y. Flexible fabric composed of rigid interconnected links. 2,460,654, Feb. 1.
- Reintjes, George P., Kansas City, Mo. Baffle for water tube boilers. 2,458,798, Jan. 11.
- Reintjes, George P., Kansas City, Mo. Wall box for water tube boilers. 2,474,548, June 28.
- Reiser, Lyle J.: *See*—
Coates, Lee R., and Reiser.
- Reising, Francis M., Edinburg, Tex. Gauging device for ditchers. 2,489,196, Nov. 22.
- Reisinger, Frederick F.: *See*—
Chester, Allan E.
Chester, Allan E., and Reisinger.
- Reisinger, George, Irondequoit, N. Y. Boring tool holder. 2,483,152, Sept. 27.
- Reisner, John H.: *See*—
Smith, Perry C., and Reisner.
- Reisner, John H., Collingswood, N. J., assignor to Radio Corporation of America. Varying the gap spacing of pole pieces for electron optical apparatus. 2,472,315, June 7.
- Reisner, W. H., Manufacturing Company, Inc., The, assignee: *See*—
Roane, Arden E.
- Reiss, Andrew E., Kenmore, assignor to The Rittling Corporation, Buffalo, N. Y. Encased baseboard heating surface. 2,477,824, Aug. 2.
- Reiss, Frank, Philadelphia, Pa. Necktie rack. 2,471,349, May 24.
- Reiss Manufacturing Corporation, assignee: *See*—
Reiss, Raymond H., and Hahn.
Reiss, Raymond H., Powell, and Hahn.
- Reiss, Raymond H., New York, N. Y., and P. R. T. Hahn, Westfield, N. J., assignors to Reiss Manufacturing Corporation, Wilmington, Del. Fastening device for the waistband of trousers and the like. 2,486,681, Nov. 1.
- Reiss, Raymond H., New York, N. Y., C. S. Powell, Morris-town, and P. R. T. Hahn, Westfield, N. J., assignors to Reiss Manufacturing Corporation, Wilmington, Del. Unitary, resilient heat-resisting buck pad for garment pressing machines. 2,490,981, Dec. 13.
- Reiter, Daniel I., New York, N. Y. Resilient socket. 2,467,444, Apr. 19.
- Reiter, Harry: *See*—
Maund, Harold, and Reiter.
- Reiter, Lambert, Minneapolis, Minn. Anchor line or stringer holder. 2,469,443, May 10.

- Reitherman, Ralph W.: *See*—
Henninger, Andrew F., Henninger, and Reitherman.
- Reitlinger, Otto, Kew Gardens, N. Y. Structure of contact masses. 2,488,560, Nov. 22.
- Reitsma, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-4-(N-benzyl-N-beta-dialkylamino-ethylamino)-piperidines and their production. 2,476,912, July 19.
- Reitsma, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-4-(beta-hydroxyethylamino)-piperidine benzoates. 2,476,913, July 19.
- Reitsma, Robert H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-4-(N-benzyl-N-beta-pyrrolidinoethylamino)-piperidines and their production. 2,476,914, July 19.
- Reitz, Donald S., assignor to The Hell Co., Milwaukee, Wis. Cam for level winding devices. 2,471,654, May 31.
- Reitz, Harry, Wichita, Kans. Obtaining natural worm-eaten art wood. 2,489,386, Nov. 29.
- Reitz, Henry C., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparing gluten sulfate and salts thereof. 2,472,267, June 7.
- Reitz, Norman J., and G. L. Loomis, Emporium, Pa., assignors to Sylvania Electric Products, Inc. Integral shield for reducing capacities. 2,491,932, Dec. 20.
- Reliable Electric Company, assignee: *See*—
Buckley, Arthur H.
- Cook, John B., and Jugle.
- Reliable Machine Works, Inc., assignee: *See*—
Friedman, Samuel.
- Reliable Radio Inc., assignee: *See*—
Davidson, Allen R.
- Reliable Sheet Metal Engineering Co., assignee: *See*—
Casey, Charles L., and Ryno.
- Reliance Electric & Engineering Company, The, assignee: *See*—
Fuller, John L.
- Reliance Manufacturing Company, assignee: *See*—
Fouch, Herschel L., and Yorty.
- Relling, Martin Th., Homestead Park, and T. A. Zsomboky, Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Removal of cinder from metallurgical furnaces, etc. 2,492,924, Dec. 27.
- Relton, Cyril M., Seaside, Oreg. Magnetic closure fastener. 2,489,154, Nov. 22.
- Remark, Isidore J., assignor to The General Tire and Rubber Company, Akron, Ohio. Splicing apparatus. 2,489,324, Nov. 29.
- Rembold, Albert A., San Francisco, Calif. Punch. 2,473,073, June 14.
- Rembold, Albert A., San Francisco, Calif. Card for direct and sequence sorting. 2,490,156, Dec. 6.
- Remensnyder, Orrin, Saginaw, Mich. Orthodontic appliance. 2,479,780, Aug. 23.
- Remer, Robert K., Elgin, assignor to Transparent Package Company, Chicago, Ill. Food casing. 2,477,767, Aug. 2.
- Remer, Robert K., Elgin, assignor to Transparent Package Company, Chicago, Ill. Food encasing material. 2,477,768, Aug. 2.
- Remington Arms Company, Inc., assignee: *See*—
Bradford, Colvin I., and Darby.
- Catlin, John P.
- Catlin, John P., and Darby.
- Daniels, Frederick A.
- Dowie, James, and Heinzelman.
- Eckstein, George R.
- Finlay, Walter L.
- Finlay, Walter L., and Hutchinson.
- Gagne, Antoine F., Jr.
- Howell, John D.
- Hutchinson, Gilbert E.
- Messinger, Lester H.
- Rutherford, Peter B., and Lowe.
- Slater, Raymond E.
- Remington Rand Inc., assignee: *See*—
Briechele, Ambrosius.
- Brustman, Joseph A.
- Buckner, John J.
- De Vore, Henry B.
- Kase, Otto E.
- Lasker, William W., Jr.
- Lyman, Harold T., Jr.
- McDonnell, Joseph M.
- Mueller, John, and McDonnell.
- Rider, Fremont.
- Roggenstein, Edwin O., and Thierfelder.
- St. Louis, Charles V.
- Thierfelder, Emil F.
- Remke, Theodore K., and E. F. Smith, Detroit, Mich. Closure for vehicle bodies. 2,480,965, Sept. 6.
- Remmen, Jorgen, Pittsburgh, Pa. Variable pitch propeller mechanism. 2,484,739, Oct. 11.
- Rempel, Dietrich G., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Form for building hollow articles. 2,460,845, Feb. 8.
- Rempel, Dietrich G., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Vulcanizing or like article-forming equipment. 2,463,560, Mar. 8.
- Rempel, Dietrich G., assignor to Rempel Enterprises, Akron, Ohio. Hollow article and method and apparatus for producing the same. 2,469,892, May 10.
- Rempel, Dietrich G., assignor, by mesne assignments, to Rempel Manufacturing, Inc., Akron, Ohio. Producing inflatable rubber articles. 2,477,899, Aug. 2.
- Rempel, Dietrich G., assignor to The Sun Rubber Company, Barberton, Ohio. Vulcanizing apparatus. 2,488,935, Nov. 22.
- Rempel Enterprises, assignee: *See*—
Rempel, Dietrich G.
- Rempel Manufacturing, Inc., assignee: *See*—
Rempel, Dietrich G.
- Remy, Theron P., Los Angeles, Calif. Production of chlorinated synthetic rubbers. 2,470,952, May 24.
- Renard, Roland E., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Mechanism for clinching covers onto cans. 2,458,529, Jan. 11.
- Renaud, Harold E., assignor to Renaud Plastics, Inc., Lansing, Mich. Making model duplicates. 2,460,242, Jan. 25.
- Renaud Plastics, Inc., assignee: *See*—
Renaud, Harold E.
- Rendel, George H., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for measuring differential speed. 2,474,116, June 21.
- Rendel, George H., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Thickness gauge. 2,474,117, June 21.
- Rendel, James W., Gary, Ind. Pocketed game board with pivoted closures. 2,463,425, Mar. 1.
- Rendenbach, Otto F.: *See*—
Ernestus, Adolph W., and Rendenbach.
- Rendine, Clarence P., Conneville, Pa. Toy and track therefor. 2,492,319, Dec. 27.
- Renek, Henry: *See*—
Moody, Dwight L., and Renek.
- Renfrew Electric & Refrigerator Company Limited, assignee: *See*—
Beal, James F.
- Renfro, Charles C.: *See*—
Renfro, Lester C., and C. C.
- Renfro, Lester C., and C. C. Jacksonville, Fla. Electric lawn mower and hedge clipper. 2,458,200, Jan. 4.
- Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Manually operated hydraulic press. 2,473,694, June 21.
- Renier, William S., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Molding machine for plastic and other moldable materials. 2,460,468, Feb. 1.
- Renison, Matthew A., assignor to himself and C. Mitchell, London, England. Projection screen. 2,486,206, Oct. 25.
- Renkenberger, Tirzah A., Penn Township, Butler County, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Mold and pattern separating and actuating mechanism. 2,484,646, Oct. 11.
- Rennecamp, Clarence C., and W. H. Bartel, St. Louis, Mo. Bob pin opener. 2,484,313, Oct. 11.
- Renneker, Herman H., San Diego, Calif. Shoulder hook cradle for telephone handsets. 2,476,221, July 12.
- Renner, Darwin S., Dallas, Tex., assignor to Geophysical Service Incorporated. Amplitude control. 2,462,551, Feb. 22.
- Renner, Darwin S., Dallas, Tex., assignor to Geophysical Service Incorporated. Initial attenuator control. 2,462,552, Feb. 22.
- Renner, Walker D., Blacksville, W. Va. Drying reel. 2,485,412, Oct. 18.
- Rennick, John L., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Combined inductance and capacity tuner. 2,483,105, Sept. 27.
- Rennie, Alexander M., Philadelphia, Pa., assignor to Radio Corporation of America. Electron optical instrument. 2,472,316, June 7.
- Rennie, Robert F., Lake Forest, Ill., assignor to Westinghouse Electric Corporation. Tube furnace for producing metal. 2,491,210, Dec. 13.
- Renniks Company, assignee: *See*—
Kasten, Walter.
- Kellogg, Warren C., and Hanshaw.
- Reno, Hannah E., Grafton, Pa. Maternity dress. 2,462,553, Feb. 22.
- Renoll, Mary W., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Rubbery copolymers of (trifluoromethyl) vinyl aromatic compounds. 2,469,845, May 10.
- Renouf, Sidney W. B., Overbrook, Ontario, Canada. Winding key for collapsible tubes. 2,492,594, Dec. 27.
- Renoux, Pierre E., Aix-en-Provence, France. Rotating wing for aircraft. 2,482,936, Sept. 27.
- Renquist, Mervin H.: *See*—
Sprick, Carl H., and Renquist.
- Renshaw, Ward: *See*—
Farris, Herman K., and Renshaw.
- Renshed-Mason Company, assignee: *See*—
Maltese, Joseph S.
- Rensner, Gustav, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Fuse link. 2,489,501, Nov. 29.
- Renton, Henry N., Jenkintown, assignor to Hunter Manufacturing Company, Bristol, Pa. Window. 2,477,942, Aug. 2.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultraviolet lamp. 2,469,410, May 10.

- Rentschler, Harvey C., East Orange, and R. Nagy, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Destroying microorganisms. 2,482,507, Sept. 20.
- Renz, Emil K., Dedham, assignor, by mesne assignments, to Debonair, Inc., Boston, Mass. Wallet with edge stitched inner pockets. 2,484,857, Oct. 18.
- Renzone, Louis S.: *See—*
Queneau, Paul E., Borland, and Renzone.
- Renzone, Louis S., Port Colborne, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Electrolytic recovery of nickel. 2,480,771, Aug. 30.
- Reo Motors, Inc., assignee: *See—*
Bradley, Robert E., and Sherer.
- Repas, Andrew, Allentown, N. J., assignor to St. Regis Paper Company, New York, N. Y. Device for applying elastic gaskets to disk members. 2,485,166, Oct. 18.
- Repetier Products, Inc., assignee: *See—*
Peterson, Robert E.
- Repko, Jan D., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Trimmer condenser. 2,476,385, July 19.
- Reppert, Richard V., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Selective switch mechanism for variable spacing typewriters. 2,487,373, Nov. 8.
- Reproducciones Artísticas, S. A., assignee: *See—*
Sune Barnola, Salvador.
- Republic Aviation Corporation, assignee: *See—*
Brown, William V.
Gitz, John, and Boyajian.
Hoenes, Samuel E. W.
Kaiser, Robert A.
King, Carl C.
Lipman, Maurice S., and Godon.
Melrose, Robert G.
Miller, Frank G., and Bogert.
Mullen, Charles F.
Pevney, Paul.
Potters, Stephen.
Spaeth, Herman E.
- Republic Flow Meters Company, assignee: *See—*
Ackley, Robert A.
Rosenberger, Albert J.
- Republic Industries, Inc., assignee: *See—*
Pezzillo, Albert R.
- Republic Steel Corporation, assignee: *See—*
Black, William A.
Duby, Clarence J.
Eckman, Meril L.
Farrow, Cecil.
Fuchs, Norbert E.
Harris, Kenneth W.
Loveland, Theron A., Jr.
Millar, Roland R.
Perdue, Dwight J.
Rutter, Clyde M.
Schultheis, Frank J.
Tinkham, Michael, and Harris.
Wallace, Emmet W.
Whitehouse, Irving P.
Whitehouse, Zebulon W.
- Research Corporation, assignee: *See—*
Barrow, Wilmer L.
Barrow, Wilmer L., Pennsylv. and Miehler.
Cohn, Edwin J.
Greene, John W., Conrad, and Rohrman.
Hall, Albert C.
Ivy, Andrew C., and Greengard.
King, Lafayette C., and Dodson.
Miles, Nicholas A.
Mueller, Robert K.
Munger, Hamnett P.
Overbeck, Wilcox P.
Petering, Harold G. and W. H.
Root, Elihu, III.
Trump, John G., and Cloud.
Williams, Roger J.
Wintermute, Harry A.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Retort burner of the pot type. 2,484,184, Oct. 11.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Foot treating cabinet. 2,488,327, Nov. 15.
- Resek, Marc, and H. B. Townley, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Thermostatic device of the bimetal strip type. 2,465,119, Mar. 22.
- Resistoflex Corporation, assignee: *See—*
MacWilliam, Wallace.
Pape, Karl.
Porter, Charles A.
- Reslosound Limited, assignee: *See—*
Murkham, Leonard W.
- Resnick, David, Los Angeles, Calif. Combing and brushing attachment for sadirons. 2,458,530, Jan. 11.
- Resnick, Joseph Y., assignor to Channel Master Corporation, Ellenville, N. Y. Television receiving antenna. 2,465,331, Mar. 22.
- Resnick, Morris, Passaic, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Color comparator having a holder for reversing samples. 2,489,723, Nov. 29.
- Resnick, Raymond: *See—*
Fox, Leonard, and Resnick.
- Ress, Otto J.: *See—*
Hill, Napoleon E., and Ress.
- Ress, Thomas I., assignor, by mesne assignments, to W. C. and E. B. De Vry, Chicago, Ill. Transmitting system. 2,479,701, Aug. 23.
- Ressinger, Paul M., Chicago, Ill. Illuminating device. 2,467,096, Apr. 12.
- Ressler, Hugh C., Bayside, assignor to Press Wireless, Inc., New York, N. Y. Photoelectric controlled carrier modulator. 2,465,265, Mar. 22.
- Ressler, Hugh C., Bayside, Long Island, and J. H. Long, Jackson Heights, assignors to Faximile, Inc., New York, N. Y. Vibratory switch. 2,463,426, Mar. 1.
- Restall, Robert E., Hamilton, Ontario, Canada. Bathtub. 2,468,347, Apr. 26.
- Rettinger, Michael, Encino, and K. Singer, North Hollywood, Calif., assignors to Radio Corporation of America. Method and apparatus for controlling frequency characteristics in sound recording. 2,458,641, Jan. 11.
- Retke, Julius L., and E. H. Otto, assignors to Missouri Meerschm Company, Washington, Mo. Pipe bowl turning machine. 2,461,443, Feb. 8.
- Reuss, Herbert, assignee: *See—*
Skidmore, Frank O.
- Reuss, Louis, Herman, Minn. Ear corn probe. 2,463,205, Mar. 1.
- Reuter, Alfred and R. Mazeppa, Minn. Hydraulic hayrack on a vehicle. 2,488,066, Nov. 15.
- Reuter, René L. E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Turf-anchoring spike for lawn sprinklers. 2,484,794, Oct. 11.
- Reuter, Richard: *See—*
Reuter, Alfred and R.
- Reutter, John G.: *See—*
Hungerford, Churchill, Jr., and Reutter.
- Revelle, Bascom S., Sr.: *See—*
Revelle, Grover, and Bascom S.
- Revelle, Grover and B. S., Sr., Fredericktown, Mo. Swing 2,491,875, Dec. 20.
- Revercomb, Henry E., North Syracuse, and D. E. Watts, De Witt, N. Y., assignors to General Electric Company. Ultra high frequency dielectric heater. 2,467,230, Apr. 12.
- Revercomb, Henry E., North Syracuse, and P. W. Morse, Clay, N. Y., assignors to General Electric Company. Ultra high frequency dielectric heater. 2,483,933, Oct. 4.
- Revere Camera Company, assignee: *See—*
Briskin, Jack.
Briskin, Jack, and Golick.
Briskin, Jack, and Mankawich.
- Revere Copper and Brass Incorporated, assignee: *See—*
Bunn, Edward S.
Poland, Frank F.
- Reverso Products Co., assignee: *See—*
Semilof, Alex.
- Revukas, Anthony J., Cranford, N. J., assignor to Tide-water Associated Oil Company, New York, N. Y. Oil compositions. 2,486,493, Nov. 1.
- Revukas, Anthony J., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Oil compositions. 2,489,671, Nov. 29.
- Revukas, Anthony J., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Dialiphatic-aminoalkylcardanol. 2,489,672, Nov. 29.
- Rex, G. R., assignee: *See—*
Powell, Carlyle D.
- Rex, Harold B., Falls Church, Va. Electrical instrument with electromagnetic feedback. 2,485,657, Oct. 25.
- Rex, Harold B., Falls Church, Va. Alternating current motor control. 2,486,435, Nov. 1.
- Rex, John L., Rochester, N. Y. Apparatus for photographing titles on motion-picture films. 2,458,301, Jan. 4.
- Rex, Lindsey L., Cottage Grove, Oreg. Chain saw filing gauge. 2,488,684, Nov. 22.
- Rex, Walter A., Westfield, N. J., and B. E. Roetheli, London, England, assignors to Standard Oil Development Company. Controlled severity fluid coking. 2,485,315, Oct. 18.
- Rexart Metal Industries, Inc., assignee: *See—*
Rechler, Morton D.
- Rey, Augustin, assignor to Comptoir des Textiles Artificiels, Paris, France. Filtering apparatus. 2,468,838, May 3.
- Rey-Bellet, Gerald: *See—*
Spiegelberg, Hans, and Rey-Bellet.
- Reyburn, John R., Fairfield, Conn. Fishing reel. 2,460,904, Feb. 8.
- Reyerson, Lloyd H.: *See—*
Montonna, Ralph E., and Reyerson.
- Reyniers, James A., Niles, Mich. Film holder. 2,487,982, Nov. 15.
- Reynolds, Artie Thomas, McAlester, Okla. Interchange mechanism between two power sources. 2,471,122, May 24.
- Reynolds, Charles H., assignor of forty-nine per cent to F. Girman, Donora, Pa. Auto tire chain ring. 2,458,642, Jan. 11.

- Reynolds, David P., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Holding case for bottles and the like. 2,467,698, Apr. 19.
- Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Acrylic ester-amides and polymers thereof. 2,458,420, Jan. 4.
- Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Unsaturated derivatives of ethylene diamine and polymers thereof. 2,458,421, Jan. 4.
- Reynolds, Delbert D., and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. Acrylic diester-propionamides and polymers thereof. 2,458,422, Jan. 4.
- Reynolds, Delbert D., and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. N-allyl derivatives of acrylic esteramides and polymers thereof. 2,458,423, Jan. 4.
- Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of polyvinylamine salts. 2,484,423, Oct. 11.
- Reynolds, Frank D., Chicago, Ill., assignor to Gaylord Products, Incorporated. Method and apparatus for spacing hair fasteners. 2,466,740, Apr. 12.
- Reynolds, Frank M.: *See*—
Conrad, Delmar R., and Reynolds.
- Reynolds, Glenn M., assignor of one-half to J. R. Gallagher, Parkersburg, W. Va. Linoleum cutting machine. 2,486,880, Nov. 1.
- Reynolds, Harold C.: *See*—
Thomas, Robert M., and Reynolds.
- Reynolds, Herbert E., assignor to Superior Switchboard and Devices Company, Canton, Ohio. Sectional switch block base. 2,465,039, Mar. 22.
- Reynolds, James M.: *See*—
Maidlow, John S., Jr.
- Reynolds, John P., Chattanooga, Tenn. Room heater with oven. 2,480,610, Aug. 30.
- Reynolds, John W., Albion, Mich. Hanger. 2,460,946, Feb. 8.
- Reynolds, Julian L., Richmond, Va. Electrically conducting pneumatic tire. 2,475,199, July 5.
- Reynolds, Lawrence: *See*—
White, Abraham, Hartwell, and Reynolds.
- Reynolds, Lee T., Denver, Colo. Earplug. 2,465,606, Mar. 29.
- Reynolds, Lewis F.: *See*—
Dean, Walter B., and Reynolds.
- Reynolds, Merl T., Ballston Lake, N. Y., assignor to General Electric Company. Oscillator. 2,492,767, Dec. 27.
- Reynolds Metals Company, assignee: *See*—
Biddle, Arthur.
Burnett, John W.
Cage, James.
Eichner, Frank L.
Johnson, Arthur F.
Moore, George A.
Mueller, Otto N.
Powell, George T., Jr.
Reynolds, David P.
Reynolds, Richard S.
Wemyss, Robert B.
- Reynolds Metals Company, Inc., assignee: *See*—
Mason, James F., and Beebe, Jr.
- Reynolds, Noel S., St. Louis, Mo. Seal. 2,482,029, Sept. 13.
- Reynolds, Orr E., Washington, D. C., and L. G. Goff, Midway Island, Va. Portable device for continuous pressure politization. 2,458,959, Jan. 11.
- Reynolds, Peter V.: *See*—
Giles, John E., and Reynolds.
- Reynolds, Peter W.: *See*—
Bremner, John G. M., Reynolds, and Taylor.
- Reynolds, Reginald J. W.: *See*—
Bartlett, Ronald G., Moilliet, and Reynolds.
- Reynolds, Richard S., assignor to Reynolds Metals Company, Richmond, Va. Method of bonding aluminum to steel. 2,484,118, Oct. 11.
- Reynolds, Robert J., Trotwood, Ohio. Reel for motion-picture films. 2,473,074, June 14.
- Reynolds, William B., Cincinnati, Ohio, assignor to The Parker Pen Company, Janesville, Wis. Stable blue writing ink and a dye therefor. 2,489,463, Nov. 29.
- Reynolds, William D., Greenville, S. C. Nursing bottle holder. 2,490,158, Dec. 6.
- Reynolds, William J.: *See*—
Hartley, George C., and Reynolds.
- Reynoldson, Roland G., Madison, Wis. Automatic speed control for internal-combustion engines. 2,458,424, Jan. 4.
- Reynst, Maximilien F., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for magnetically determining thickness of coatings. 2,481,345, Sept. 6.
- Reynolds, A., & Company Limited, assignee: *See*—
Allan, Archibald, and Small.
- Reza, John J., Vallejo, Calif. Vector solver. 2,471,450, May 31.
- Rezler, Emil, Prague-Smichov, assignor to Limited Company, formerly The Skodaworks Plzen, Prague, Czechoslovakia. Swivel pipe joint. 2,477,142, July 26.
- Reznicek, Antone F.: *See*—
Wilson, Robert F., and Reznicek.
- Rhead, Kenneth J.: *See*—
Jensen, Evan A., and Rhead.
- Rheams, Charles J. B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Noise reducing radio receiver. 2,462,224, Feb. 22.
- Rheams, Charles J. B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Image projection optical system with cylindrical screen means. 2,481,615, Sept. 13.
- Rheberg, Steven C.: *See*—
Snysner, Willis M., and Rheberg.
- Rheem Manufacturing Company, assignee: *See*—
Anderson, Rea V.
Glandis, Joseph.
Hoffman, Francis A., and Harlow.
James, Richard E.
- Rheinfrank, George B., Jr., Perrysburg, Ohio, and W. A. Norman, Dubuque, Iowa. Aircraft wing and manufacture. 2,482,798, Sept. 27.
- Rheingold, Alfred P.: *See*—
Rheingold, Lawrence M. and A. P.
- Rheingold, Lawrence M. and A. P., Brooklyn, N. Y. Flying bird toy. 2,489,107, Nov. 22.
- Rhineland Paper Company, assignee: *See*—
Fries, Karl W.
- Rhines, Chester E., Glen Rock, N. J., assignor to United States Rubber Company, New York, N. Y. Production of synthetic rubber latices having large average particle size. 2,481,876, Sept. 13.
- Rhoades, Donald A., Palo Alto, assignor to The Permanente Metals Corporation, Oakland, Calif. Apparatus for cooling gaseous media by interchange of heat with cooling gases. 2,477,420, July 26.
- Rhoads, Thomas H., Denville, N. J., and C. A. Southwick, Jr., Mount Vernon, Ohio. Method and apparatus for control of humidity. 2,484,527, Oct. 11.
- Rhodehamel, Charles M., assignor to Commonwealth Company, Alhambra, Calif. Air-heating wall furnace. 2,482,369, Sept. 20.
- Rhode Island Lace Works, Inc., assignee: *See*—
McCusker, John H.
- Rhodes, Alonzo B., Johnstown, N. Y. Method and apparatus for cleaning skins and the like. 2,466,477, Apr. 5.
- Rhodes, Cecil J.: *See*—
Frick, Oscar, and Rhodes.
- Rhodes, Charles J., Wakefield, England. Press for cutting sheet metal. 2,470,110, May 17.
- Rhodes, Charles J., Wakefield, England. Guard arrangement for power presses. 2,473,219, June 14.
- Rhodes, Daniel: *See*—
Austin, Leslie W., and Rhodes.
- Rhodes, Edwin C., London, England, assignor to The International Nickel Company, Inc., New York, N. Y. Production of powdered metal mixtures for sintering. 2,476,222, July 12.
- Rhodes, Foster T.: *See*—
Pass, Richard H., Schramm, and Rhodes.
- Rhodes, Gerald E.: *See*—
Lucas, Fred H., and Rhodes.
- Rhodes, Harold B., Los Angeles, Calif. Piano. 2,469,667, May 10.
- Rhodes, Herbert C., Portland, Oreg., assignor to The Standard Stoker Company, Inc. Distributing moisture in bread dough. 2,479,864, Aug. 23.
- Rhodes, Herman S., Birmingham, Ala., assignor to St. Regis Paper Company, New York, N. Y. Bag packer and weigher with jiggling device. 2,462,286, Feb. 22.
- Rhodes, Lewis B., Washington, D. C., and T. J. Lehane, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Sensible heat control system. 2,470,188, May 17.
- Rhodes, Philip H., Kingston, N. Y., assignor, by mesne assignments, to Koopers Company, Inc. Copolymer phenolic adhesive containing the intercondensation product of a monohydric phenol and a polyhydric phenol, producing same, and utilization thereof. 2,478,943, Aug. 16.
- Rhodes, Russell I., North Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Hinge. 2,481,877, Sept. 13.
- Rhodes, Thomas J., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Extruding apparatus. 2,465,482, Mar. 29.
- Rhodes, Thornton R., South Gate, and E. R. Hunt, Los Angeles, Calif. Pressure cooker. 2,472,620, June 7.
- Rhoer, Lawrence, Fort Madison, Iowa. Article carrier for velocipedes. 2,492,595, Dec. 27.
- Rhys, Cyril O., Jr.: *See*—
Long, John D., and Rhys, Jr.
- Rhythm Indicator, Inc., The, assignee: *See*—
Lau, Daniel R., and Ward.
- Ribbe, Irving, Cleveland, Ohio. Separation toy. 2,467,781, Apr. 19.
- Ribeiro, Hasel W.: *See*—
Ribeiro, Louis P. and H. W.
- Ribelro, Louis P. and H. W., Saylorsburg, Pa. Portable urinal. 2,484,356, Oct. 11.
- Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,473,446, June 14.

- Riblett, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,485,920, Oct. 25.
- Riblett, Earl W.: *See*—
Jenny, Frank J., and Riblett.
- Riblett, Earl W., Tenafly, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Generation of synthesis gas. 2,491,518, Dec. 20.
- Ricardo, Harry R., assignee: *See*—
Alcock, John F.
- Ricardo, Harry R., London, England. Cylinder for internal-combustion engines. 2,464,462, Mar. 15.
- Ricards, Charles L.: *See*—
Tollison, Paul L., and Ricards.
- Ricchiuti, Paul S., Chicago, Ill. Paintbrush having a plurality of detachable tuft sections. 2,490,159, Dec. 6.
- Ricci, Harry O., Dongan Hills, N. Y. Warning light for emergency vehicles. 2,487,591, Nov. 8.
- Ricci, Luigi, Hyde Park, Mass. Frame for bowling alleys and removable pit cushions therefor. 2,485,775, Oct. 25.
- Riccio, Benjamin A., South Norwalk, Conn. Brake spring extractor. 2,489,434, Nov. 29.
- Riccio, Benjamin A., Norwalk, Conn. Brake coil spring ejector. 2,490,160, Dec. 6.
- Rice Barton Corporation, assignee: *See*—
Adams, Charles S.
Clem, Everett W.
Clem, Everett W., and Munton.
Stafford, Stephen B.
- Rice, Clifford M., Alexandria, Va. Waste water disposal and fresh water loading system for trailers and the like. 2,477,769, Aug. 2.
- Rice, David Y., Avon Lake, Ohio. Valve. 2,471,285, May 24.
- Rice, Frederick H., Hollywood, Calif., assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Wire or conduit clip. 2,466,912, Apr. 12.
- Rice, John V., Jr., assignor to John V. Rice, Jr. Corporation, Philadelphia, Pa. Power actuated percussion tool. 2,480,879, Sept. 6.
- Rice, John V., Jr., Corporation, assignee: *See*—
Rice, John V., Jr.
- Rice, Lyman A.: *See*—
Rady, William J., and Rice.
- Rice, Norman D., assignor to Inland Steel Container Co., Chicago, Ill. Connection for furnace members. 2,489,587, Nov. 29.
- Rice, Philip K., Kenmore, N. Y., assignor to The Linde Air Products Company. Process of and apparatus for producing compressed oxygen. 2,464,891, Mar. 22.
- Rice-Strix Dry Goods Company, assignee: *See*—
Jennings, Alvin A.
- Rice, William A., Jerseyville, Ill. Feeding mechanism for seed separators. 2,458,201, Jan. 4.
- Rice, William A., Washington, D. C. Vise for holding irregularly shaped objects. 2,486,494, Nov. 1.
- Rice, William S., Chicago, Ill. Casting process. 2,480,048, Aug. 23.
- Rich, Edward A., Brooklyn, assignor to H. Kohnstamm & Co. Inc., New York, N. Y. Cover cloth for clothes pressing machines. 2,473,906, June 21.
- Rich, George H.: *See*—
Trilling, David M., and Rich.
- Rich, Sam D., Madeira, Ohio. Furnace dust trap. 2,468,108, Apr. 26.
- Rich, Stanley R., Cambridge, Mass. Phonograph pickup unit using magneto-strictive wire. 2,471,542, May 31.
- Rich, Stanley R., Cambridge, assignor to Toe Deutschmann, Canton, Mass. Phonograph pickup unit. 2,484,960, Oct. 18.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Self-calibrating metering system. 2,464,612, Mar. 15.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,467,856, Apr. 19.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. X-ray absorption photometer. 2,469,206, May 3.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Electric quantity standard. 2,475,640, July 12.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Fluxmeter. 2,484,587, Oct. 11.
- Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Opinion meter. 2,491,335, Dec. 13.
- Richa, John H., and F. E. Hanson, Kansas City, Mo. Garment finishing apparatus. 2,459,962, Jan. 25.
- Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company. Refrigerator. 2,481,616, Sept. 13.
- Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company. Refrigerating apparatus having a freezing chamber and a storage chamber. 2,484,588, Oct. 11.
- Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company. Two-temperature refrigerator having means for defrosting. 2,487,182, Nov. 8.
- Richard, William R., Ann Arbor, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl formal resin. 2,491,455, Dec. 13.
- Richard, William R., Ann Arbor, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl formal resin. 2,491,456, Dec. 13.
- Richard, William R., West Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl resin. 2,477,349, July 26.
- Richards, Claude L., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical condenser. 2,460,534, Feb. 1.
- Richards, Claude L., assignor to The Mullard Radio Valve Company Limited, London, England. Electric time base circuits. 2,467,699, Apr. 19.
- Richards, Edward A., and L. J. Ellison, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Dry contact type electrically asymmetric device. 2,482,799, Sept. 27.
- Richards, Hans K., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company. Magnetron-type phonograph pickup. 2,473,820, June 21.
- Richards, Henry I., Arlington, Va. Delivery truck loading and dispensing apparatus. 2,459,839, Jan. 25.
- Richards, John A., Chicago, Ill., assignor to Motorola, Inc. High-capacity internal-combustion heater for installations of limited size. 2,492,654, Dec. 27.
- Richards, John M., Ferndale, Mich. Electric sighting attachment for gun barrels. 2,479,262, Aug. 16.
- Richards, Kenneth D., Gardner, Mass. Arrow nock. 2,484,589, Oct. 11.
- Richards, Kenneth W., Packanack Lake, N. J., assignor to American Telephone and Telegraph Company. Teletype-writer exchange system. 2,473,346, June 14.
- Richards, Lawrence M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photopolymerization of vinylidene compounds with organic disulfides. 2,460,105, Jan. 25.
- Richards, Lawrence M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Iodoso diacylate catalysis of addition polymerization processes. 2,467,231, Apr. 12.
- Richards, Lawrence M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinylpyridinium halides. 2,487,829, Nov. 15.
- Richards, Melbourne K., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Liquid level measuring apparatus. 2,486,207, Oct. 25.
- Richards, Norman H., West Springfield, Mass. Rake cleaner. 2,471,239, May 24.
- Richards, Oscar W.: *See*—
Gradisar, Albin A., and Richards.
- Richards, Ralph W., Washington, D. C. Apparatus for making color separation negatives. 2,474,958, July 5.
- Richards, Raymond B.: *See*—
Midwinter, Ernest L., and Richards.
- Richards, Robert L.: *See*—
Zaleski, Mitchell J., and Richards.
- Richards, Ronald A., Victoria, British Columbia, Canada. Brick clip. 2,471,584, May 31.
- Richards, Ross, Newman, Ill. Ball projector. 2,482,437, Sept. 20.
- Richards, Stanley T. A.: *See*—
Widgery, William M., and Richards.
- Richards, Thomas G.: *See*—
Colegrave, Edward B., and Richards.
- Richards, Ward F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Immersion thermocouple. 2,463,427, Mar. 1.
- Richards, William H.: *See*—
Powers, Barron C., and Richards.
- Richards, William H., Dayton, Ohio. Developer-roll film. 2,480,880, Sept. 6.
- Richardson, Allan S., Butte, Mont. Mine ventilation. 2,479,408, Aug. 16.
- Richardson, Arthur T., and W. A. Smith, assignors to Smith & Richardson Manufacturing Company, Geneva, Ill. Apparatus for making cast bodies with inserted coils. 2,480,966, Sept. 6.
- Richardson, Avery G., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode-ray indicator. 2,468,110, Apr. 26.
- Richardson, Avery G., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radar indicator means. 2,483,432, Oct. 4.
- Richardson, Avery G., Boonton, N. J., and F. O. Chesus, Jackson Heights, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finding system. 2,462,898, Mar. 1.
- Richardson, Avery G., Boonton, N. J., and A. G. Everhart, Great River, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,468,109, Apr. 26.
- Richardson, Bryant W.: *See*—
Cawood, Richard L., and Richardson.
- Richardson, Charles D., Anderson, Ind. Method and apparatus for the production of felted rock wool. 2,481,949, Sept. 13.
- Richardson, Charles D., Anderson, Ind. Mineral wool making means. 2,491,766, Dec. 20.
- Richardson, Charles L., Belmont, Mass. Clothes drier. 2,470,646, May 17.

- Richardson Company, The, assignee: *See—*
 Cukierski, Leo J.
 Dillehay, Edward R.
 Dillehay, Edward R., and Schuetz.
- Richardson, Dora N.: *See—*
 Curd, Francis H. S., Richardson, and Rose.
- Richardson, Ernest, assignor to Ingram-Richardson Mfg. Company, Beaver Falls, Pa. Table top. 2,477,466, July 26.
- Richardson, Ernest L., Melrose, Mass., assignor to General Electric Company. Device for measuring fiber density of a sliver. 2,465,818, Mar. 29.
- Richardson, Euell H., Roanoke, Va. Self-loading garbage vehicle. 2,487,729, Nov. 8.
- Richardson, Ewell, Los Angeles, Calif. Geometrical measuring and drafting instrument. 2,460,713, Feb. 1.
- Richardson, George K., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Airplane gun mount. 2,463,056, Mar. 1.
- Richardson, Harry C., assignor to The Troy Sunshade Company, Troy, Ohio. Window mechanism. 2,473,821, June 21.
- Richardson, Henry M., Springfield, Mass., assignor of one-half to The Grotelite Company, Inc., Bellevue, Ky., and one-half to Lima-Hamilton Corporation, Hamilton, Ohio. Method and apparatus for molding plastics. 2,469,342, May 3.
- Richardson, Jesse W., Philadelphia, Pa. Peg scoreboard. 2,477,825, Aug. 2.
- Richardson, John H., Needham, assignor to Polaroid Corporation, Cambridge, Mass. Method and chuck for assembling mold walls. 2,458,302, Jan. 4.
- Richardson, Lloyd D., Dayton, Ohio, assignor to Hansen Manufacturing Company, Inc., Princeton, Ind. Electric motor bearing. 2,470,264, May 17.
- Richardson, Max C., assignor to Iron Fireman Manufacturing Company, Portland, Ore. Auxiliary space thermostat. 2,464,346, Mar. 15.
- Richardson, Max C., assignor to Iron Fireman Manufacturing Company, Portland, Ore. Control for electric motors. 2,474,595, June 28.
- Richardson, Max C., Portland, Ore. Safe incandescent lamp. 2,483,351, Sept. 27.
- Richardson, Olan: *See—*
 Caldwell, John R., Richardson, and Curtis.
- Richardson, Ray M., Herrin, Ill. Portable knockdown floor construction. 2,466,613, Apr. 5.
- Richardson, Robert W.: *See—*
 Pierce, Jerry A., and Richardson.
- Richardson, Russell, Mountain Lakes, N. J., assignor to Curtiss-Wright Corporation. Brazing propeller blades. 2,483,934, Oct. 4.
- Richardson, Vernon E., Albuquerque, N. Mex., assignor to Continental Oil Company, Ponca City, Okla. Pulldown device. 2,459,840, Jan. 25.
- Richardson, William D., Ontario, Calif. Container for bathroom supplies. 2,472,683, June 7.
- Riche, Arthur L., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Switch mechanism. 2,468,512, Apr. 26.
- Riche, Arthur L., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap acting device and electric switch. 2,473,970, June 21.
- Riche, Arthur L., and B. J. Rush, Freeport, Ill., assignors to First Industrial Corporation, Wilmington, Del. Electric switch. 2,487,374, Nov. 8.
- Riches, Wesley W., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reactivating a copper catalyst by treating with sodium chloride solution. 2,482,289, Sept. 20.
- Richeson, Sanford E., Brooklyn, N. Y. Combustion turbine. 2,474,404, June 28.
- Richeson, Sanford E., Brooklyn, and J. A. Allegro, Maspeth, N. Y., assignors of one-third to L. C. Huber, Ridgewood, N. J. Safety valve. 2,462,287, Feb. 22.
- Richetson, Howard E., United States Army. Control device for vacuum cylinders. 2,457,834, Jan. 4.
- Richey, Clarence B., assignor to Electric Wheel Company, Quincy, Ill. Trailer stub pole surge brake. 2,468,716, Mar. 8.
- Richey, Ralph C., Chicago, Ill., assignor to American Box Board Company, Grand Rapids, Mich. Box partition. 2,473,766, June 21.
- Richfield Oil Corporation, assignee: *See—*
 Travers, William J., Jr.
- Richmond, Adah B., North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of recovered camphor. 2,485,774, Oct. 25.
- Richmond, John L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Paraffin isomerization process. 2,461,568, Feb. 15.
- Richmond Manufacturing Company, assignee: *See—*
 Byrd, William, Jr.
- Richmond Mica Company, assignee: *See—*
 Brown, Potter M., Jr.
- Richmond Pierce Dye Works, Inc., assignee: *See—*
 Haeblerlin, George.
- Richmond, Thomas G., assignor of one-half to Robert MacLaren & Company Limited, Glasgow, Scotland. Snap action mechanism. 2,478,503, Aug. 9.
- Richter, Benjamin, Galesburg, N. Dak. Padlock. 2,488,986, Nov. 22.
- Richter, Bruno, Glen Ellyn, Ill. Surgical forceps. 2,478,595, Aug. 9.
- Richter, Carl W., assignee: *See—*
 Moore, John H.
- Richter, Emil, Philadelphia, Pa. Yarn tensioning device. 2,462,288, Feb. 22.
- Richter, Frederick P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Grignard reagent and making the same. 2,464,751, Mar. 15.
- Richter, Frederick P., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricating oil. 2,479,513, Aug. 16.
- Richter, George A.: *See—*
 Hincke, William B., and Richter.
- Richter, George A., and L. E. Herdle, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose acetate. 2,478,425, Aug. 9.
- Richter, George A., and R. H. MacClaren, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose acetate. 2,487,892, Nov. 15.
- Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Producing esters of cellulose. 2,492,442, Dec. 27.
- Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Production of cellulose esters. 2,492,443, Dec. 27.
- Richter, Hartmut W., Rahway, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Production of caustic soda. 2,474,916, July 5.
- Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Setting apparatus for textile fabrics. 2,470,265, May 17.
- Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Ejector mechanism for retorts. 2,470,266, May 17.
- Richter, Henry J.: *See—*
 Johnston, Frederick L., and Richter.
- Richter, Johan C. F. C., Oslo, Norway, assignor to Aktiebolaget Kamy, Karlstad, Sweden. Apparatus for charging fibrous material into a digester. 2,459,180, Jan. 18.
- Richter, Johan C. F. C., Oslo, Norway, assignor to Aktiebolaget Kamy, Karlstad, Sweden. Process and apparatus for continuous digestion of fibrous materials. 2,474,862, July 5.
- Richter, Ludwig: *See—*
 Grimmel, Harry W., and Richter.
- Richter, Raymond R., Milwaukee, Wis. Ink separator for printing apparatus. 2,492,181, Dec. 27.
- Richter, Walther: *See—*
 Perrine, Robert O., Richter, and Seeger.
- Richter, Walther, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric control circuit. 2,489,155, Nov. 22.
- Richter, Walther, Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic timing and recording means. 2,477,770, Aug. 2.
- Richterkessing, Frank H., Louisville, Ky. Fur finishing iron. 2,489,673, Nov. 29.
- Rick, Clarence A.: *See—*
 Austin, Leslie W., and Hicks, and Rick.
- Rickabaugh, Charles A.: *See—*
 Petty, Robert D., and Rickabaugh.
- Rickard, Joseph, Hancock, N. Y. Whistle tree. 2,473,447, June 14.
- Rickenmann, Alfred, Kunsnacht near Zurich, Switzerland. Machine tool with automatic feed drive. 2,469,077, May 3.
- Ricker, Harry H., Jr.: *See—*
 Hastings, Charles E., and Ricker.
- Ricker, Hiram, and Sons, assignee: *See—*
 Hinteman, Harry M.
- Rickes, Edward: *See—*
 Keresztesy, John C., and Rickes.
- Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Apparatus for determining the permeability of materials. 2,460,655, Feb. 1.
- Ricordel, Auguste L., assignor to the society said: La Precision Moderne, Paris, France. Sighting apparatus for ascertaining the velocity and direction of movement of aerial targets. 2,476,625, July 19.
- Riddell, Donald W., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-treating apparatus. 2,483,433, Oct. 4.
- Riddell, Grace E.: *See—*
 Brenner, Abner, Seegmiller, and Riddell.
- Riddell, Paul A., Houghton, Mich. Shaft sinking apparatus. 2,491,583, Dec. 20.
- Ridderstrom, Andrew R., Nahant, assignor to Prime Manufacturing Company, Lynn, Mass. Apparatus for operating on soles. 2,488,329, Nov. 15.
- Riddle, Walter S., assignor to Seaman Paper Company, Chicago, Ill. Spot cementing apparatus for laminating machines. 2,488,685, Nov. 22.
- Ridenour, Henry W., Bloomington, Ill. Edge trimming attachment for lawn mowers. 2,483,935, Oct. 4.
- Ridenour, Louis N., Philadelphia, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio direction-finding system. 2,473,175, June 14.
- Ridenour, William P.: *See—*
 Bowman, John R., and Ridenour.

- Rideout, John G., Chagrin Falls, assignor to Gendron Wheel Company, Perrysburg, Ohio. Invalid chair. 2,476,769, July 19.
- Rideout, John G., Chagrin Falls, assignor to Gendron Wheel Company, Perrysburg, Ohio. Invalid wheel chair. 2,485,016, Oct. 18.
- Rideout, Owen W.: *See*—
Nachod, Julius E., Rideout, and Shapleigh.
- Rider, Douglas, and W. J. Chadder, assignors to Woodall-Duckham (1920) Limited, Guildford, England. Apparatus for the recovery of crude benzole from benzolized wash-oil. 2,468,514, Apr. 26.
- Rider, Fremont, Middletown, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Library book truck. 2,468,513, Apr. 26.
- Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Heat actuated device. 2,471,240, May 24.
- Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Fluid valve and remote-control system. 2,471,241, May 24.
- Rider, John F., assignee: *See*—
Koch, Richard F.
- Rider, John F., New York, N. Y. Unitary volume-control switch and dialite assembly. 2,457,920, Jan. 4.
- Rider, John F., New York, N. Y. Composite test probe for radio apparatus and the like. 2,488,328, Nov. 15.
- Rider, Keith, Covina, Calif. Jet device for boat propulsion employing air and steam slugs. 2,486,495, Nov. 1.
- Rider, Stuart H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Modified methylol melamine resins. 2,482,508, Sept. 20.
- Rider, Warren M.: *See*—
Burge, James, Rider, Salatin, and McKee.
- Ridge, Donald C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Dynamobrush surfacing apparatus. 2,477,900, Aug. 2.
- Ridgely, Neville R., Jr., and C. B. Coleman, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote tuner control system. 2,473,907, June 21.
- Ridgley, Charles H., Marblehead, and H. H. Andersen, Beverly, Mass., and F. W. Truesdell, Schenectady, N. Y., assignors to General Electric Company. Control for supercharged internal-combustion engines. 2,476,063, July 12.
- Ridgley, Cornelius J., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Two-armature selectively retarded electromagnet. 2,486,613, Nov. 1.
- Ridings, Garvice H.: *See*—
Wise, Raleigh J., and Ridings.
- Wise, Raleigh J., Ridings, and Parrott.
- Ridland, Alexander C., Pasadena, Calif. Wheel chock. 2,475,111, July 5.
- Ridler, Desmond S., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical storage of information. 2,489,325, Nov. 29.
- Ridley, Frank F., Ponteland, England. Gravity liquid separation of solids. 2,486,682, Nov. 1.
- Ridner, George S., Sr., Newark, N. J. Collapsible toothbrush. 2,486,062, Oct. 25.
- Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse sender. 2,463,717, Mar. 8.
- Rieber, Frank, assignee: *See*—
Leitner, Richard G.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Frequency controlled ammeter. 2,463,312, Mar. 1.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Damping device. 2,466,327, Apr. 5.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Frequency controlled transducer. 2,469,785, May 10.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Electric motor control device. 2,469,786, May 10.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Barometer. 2,473,610, June 21.
- Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Frequency controlled micrometer. 2,477,085, July 26.
- Rieber, Lu Garda, executrix: *See*—
Leitner, Richard G.
- Rieber, William K., Los Angeles, Calif. Expanding arbor. 2,459,453, Jan. 18.
- Rieber, William K., Los Angeles, Calif. Phonographic transducer. 2,476,684, July 19.
- Rieber, William K., Los Angeles, Calif. Dual purpose transducer with recording damping means. 2,476,685, July 19.
- Rieber, William K., Los Angeles, Calif. Phonographic apparatus. 2,479,640, Aug. 23.
- Rieber, William K., Los Angeles, Calif. Combined recording and reproducing device. 2,482,212, Sept. 20.
- Riecken, William E.: *See*—
Denysen, Ivanhoe P., and Riecken.
- Riecken, William E., Leonia, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Method and apparatus for coating dry rectifier elements. 2,462,899, Mar. 1.
- Riecken, William E., Jr., administrator: *See*—
Denysen, Ivanhoe P., and Riecken.
- Rieder, George E., Houston, Tex. Vegetable slicer. 2,465,266, Mar. 22.
- Riederich, William, Elmhurst, Ill. Automatic cap pistol. 2,457,921, Jan. 4.
- Riedler, Walter: *See*—
Tatalay, Joseph A.
- Riegel, Lawrence H., Milwaukee, Wis. Toy holder for children's chairs. 2,490,230, Dec. 6.
- Riegel Paper Corporation, assignee: *See*—
Bidwell, George L.
- Riehs, Carl, Ludwigshafen-on-the-Rhine, Germany; vested in the Attorney General of the United States. Soaking hides with a sulfonated phenol-formaldehyde condensation product. 2,469,787, May 10.
- Rieke, Foster F., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Coaxial line termination. 2,463,428, Mar. 1.
- Rieke, Foster F., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Oscillator. 2,473,448, June 14.
- Rieke, John W., Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative feedback amplifier. 2,459,046, Jan. 11.
- Riemann, Howard C., assignor to The Fulton Company, West Allis, Wis. Steering wheel spinner knob. 2,475,858, July 12.
- Riemann, Howard C., West Milwaukee, and J. R. Thorp, assignors to The Fulton Company, West Allis, Wis. Vehicle drawbar lock. 2,478,709, Aug. 9.
- Riemenschneider, Edmund W.: *See*—
Anderson, Wilbur C., and Riemenschneider.
- Riemenschneider, Ernest, Detroit, Mich., assignor, by decree of distribution, to E. M. Riemenschneider, with National Bank of Jackson as guardian. Safety device for burners. 2,480,772, Aug. 30.
- Riemenschneider, Ernest M., assignee: *See*—
Riemenschneider, Ernest.
- Riemenschneider, Roy W.: *See*—
Morris, Steward G., and Riemenschneider.
- Riemer, George, Chicago, Ill. Check swing hinge. 2,474,164, June 21.
- Riemer, John, Green Bay, Wis., assignor to Kraft Foods Company. Packaging apparatus. 2,461,569, Feb. 15.
- Riemer, Leonard E., assignee: *See*—
Domke, Edward A.
- Riener, Thomas W.: *See*—
Bruson, Herman A., and Riener.
- Rienks, George W.: *See*—
Roach, David J., Clark, and Rienks.
- Rienstra, Albert R., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic musical instrument. 2,486,208, Oct. 25.
- Ries, Kernell G., G. J. Goepfert, and G. J. Easter, assignors to The Carbide Company, Niagara Falls, N. Y. Abrasive article of manufacture. 2,475,517, July 5.
- Rieschl, Karl E., and G. W. Mork, South Milwaukee, and T. O. Davidson, Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Apron for wheeled scrapers. 2,463,559, Mar. 8.
- Riesenfeld, William S., assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Adjustable end face attachment for rolls. 2,467,700, Apr. 19.
- Rietz, Charles A., Park Ridge, Ill., assignor to Interchemical Corporation, New York, N. Y. Printing inks. 2,472,125, June 7.
- Rietz, Charles A., Park Ridge, and R. F. Lecture, Chicago, Ill., assignors to Interchemical Corporation, New York, N. Y. Printing inks. 2,468,779, May 3.
- Rietz, Edward L., Riverside, Ill., assignor to International Harvester Company. Side delivery rake. 2,491,211, Dec. 13.
- Rieves, Howard E., Sumner, Miss., assignor of twenty-five per cent to J. J. Breland and twenty-five per cent to J. W. Whitten, Jr. Tie rod and knuckle arm clip. 2,474,959, July 5.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Quaternary ammonium halides of benzhydryl ether derivatives. 2,464,260, Mar. 15.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Disubstituted amino-alkyl benzhydryl amines. 2,483,434, Oct. 4.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Beta-benzohydroxyethylamines and preparing. 2,483,435, Oct. 4.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Thioethers and obtaining the same. 2,483,436, Oct. 4.
- Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Aminoalkyl benzhydryl thioethers and their preparation. 2,483,671, Oct. 4.
- Rieveschl, George, Jr., and R. W. Fleming, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Benzhydryl beta hydroxy alkyl amines. 2,490,834, Dec. 13.

- Rieveschl, George, Jr., and R. W. Fleming, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Benzhydryl beta haloalkyl amines. 2,490,835, Dec. 13.
- Rifen, John, Brainerd, Minn. Bottle attachment. 2,468,780, May 3.
- Riffe, Gerald L., Guymon, Okla. Ball tossing game. 2,478,782, Aug. 9.
- Riffert, Raymond H., Philadelphia, Pa. Display device. 2,477,086, July 26.
- Rifkin, Milton, Denver, Colo., assignor, by mesne assignments, to Frez-O-Mat Corporation. Frozen food dispenser. 2,460,396, Feb. 1.
- Rifkin, Milton, Denver, Colo., assignor, by mesne assignments, to Frez-O-Mat Corporation. Forced air refrigerated display cabinet. 2,480,339, Aug. 30.
- Rifkin, Milton, Chicago, Ill., and Myer S. Sutton, Minneapolis, Minn., assignors to Frez-O-Mat Corporation. Refrigerator having a door heating device. 2,460,469, Feb. 1.
- Rigano, Joseph, Larchmont, N. Y. Plumber's ladle. 2,476,626, July 19.
- Rigaumont, Victor A., Pittsburgh, Pa. Building block. 2,482,719, Sept. 20.
- Rigby, Floyd A., Portland, Oreg. Flake ice making machine. 2,490,324, Dec. 6.
- Rigby, George W., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluoromethyltriazines. 2,484,528, Oct. 11.
- Rigby, Thomas S., Miami, Fla. Fishing float. 2,481,346, Sept. 6.
- Riggen, Theodore K.: See—
Dickey, John W., Henry, and Riggen.
- Riggen, Theodore K., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Modulation of radio-frequency oscillations. 2,477,547, July 26.
- Riggen, Theodore K., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Photoelectric counting device. 2,481,347, Sept. 6.
- Riggen, Theodore K., Elmira, N. Y., assignor to Bendix Aviation Corporation. Electronic keyboard instrument. 2,492,320, Dec. 27.
- Riggs, Harold C., Langhorne Manor, Pa., assignor to The Electric Storage Battery Company. Quick-change battery support. 2,461,002, Feb. 8.
- Riggs, Ila M., Montgomery, Ala. Infant's garment. 2,466,184, Apr. 5.
- Riggs, Lester H.: See—
Henson, Robert T., Wheelock, and Riggs.
- Riggs, Raymond O.: See—
Hook, Flavis E., and Riggs.
- Riggs, Walter A., Everett, Wash. Slip-over style of outer garment. 2,471,543, May 31.
- Riggs, Walter A., Everett, Wash. Slipover style of outer garments. 2,485,511, Oct. 18.
- Rigid Limited, assignee: See—
Thalman, Alfred.
- Rigrod, William W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oscillation generator of the reflex type. 2,489,156, Nov. 22.
- Rigterink, Merle D.: See—
Christensen, Carl J., Rigterink, and Treptow.
- Rike, Siles E., Centerton, Ind. Segmental gripper structure. 2,486,324, Oct. 25.
- Riker, Robert T., and J. H. Molat, New York, N. Y. Lamp-rotating clamp for attachment to tubular lamps. 2,472,858, June 14.
- Rile-Coe Filter Process, Inc., assignee: See—
Coe, Mayne R.
- Riley, Charles P., assignor to American Optical Company, Southbridge, Mass. Gripping means for microscope mechanical stages. 2,474,163, June 21.
- Riley, Earl W., Pontiac, Mich. Bracket for drapery fixtures. 2,458,643, Jan. 11.
- Riley, George A., assignor to H. O. Canfield Co., Bridgeport, Conn. Basin plug stopper or the like. 2,460,768, Feb. 1.
- Riley, James A., Hillsdale, Mich. Grinding machine. 2,466,478, Apr. 5.
- Riley, John E., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Expositive device. 2,468,274, Apr. 26.
- Riley, Julian M., Parma, Ohio. Composition for patching metallic bodies. 2,463,561, Mar. 8.
- Riley, Melvin A., and D. C. McClelland, assignors to The Baltimore Paper Box Company, Baltimore, Md. Bottle carton. 2,462,676, Feb. 22.
- Riley, Nell J., Lyndhurst, N. J. Two-piece welding pipe flange. 2,460,311, Feb. 1.
- Riley, Ruth E., Los Angeles, Calif. Shoulder pad. Re. 23,167, Nov. 15.
- Riley, Ruth E., Los Angeles, Calif. Shoulder pad. 2,465,120, Mar. 22.
- Riley Stoker Corporation, assignee: See—
Bahner, James A.
Craig, Ollison.
Hall, Fred B.
Kubner, Max H.
Miller, Earle C.
Smith, Eric C., and Johnson.
- Riley, William T., Chicago, Ill. Water heater. 2,478,836, Aug. 9.
- Rimer, John, Marblehead, Mass. Sandal with intermediate sole of less size than the outer or inner sole. 2,468,573, Apr. 26.
- Rimington, Frank, Potters Bar, England. Remote control system, particularly for arc welding. 2,487,375, Nov. 8.
- Rinehart, E. R., Jr., assignee: See—
Luzzi, August F.
- Rinehart, Evan, Port Washington, assignor to Johns-Manville Corporation, New York, N. Y. Insulated duct. 2,489,048, Nov. 22.
- Rinehart, Fred J., Youngstown, Ohio. Shielded electrode holder. 2,477,207, July 26.
- Rinehart, Jeremiah E., Marysville, Ohio, assignor to Deere & Company, Moline, Ill. Corn husker with reciprocating clearer. 2,467,535, Apr. 19.
- Rinehart, Thomas M., Tuckahoe, N. Y., assignor to Darco Corporation, Wilmington, Del. Purifying beet juices. 2,477,206, July 26.
- Ring, Grant A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Connecting mooring cables to rotary winged aircraft. 2,471,544, May 31.
- Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 2,491,059, Dec. 13.
- Ringel, Charles: See—
Smith, Bert, and Ringel.
- Ringel, Harold A., New Orleans, La. Separator structure for beer cases and the like. 2,466,275, Apr. 5.
- Ringer, Luther, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Fluid responsive control apparatus. 2,471,778, May 31.
- Ringer, Robert L., Jr., Jersey City, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Reactance measuring device. 2,481,617, Sept. 13.
- Ringer, Robert L., Jr., and C. E. Smith, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Electronic control system utilizing automatic phase shift. 2,458,644, Jan. 11.
- Ringland, William L., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamoelectric machine having laminated armature with teeth slotted to reduce eddy currents. 2,473,302, June 14.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Container. 2,463,313, Mar. 1.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Packing device for annular articles. 2,465,121, Mar. 22.
- Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Collapsible hexagonal container. 2,465,661, Mar. 29.
- Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Folding carton having reclosable pouring spout. 2,475,677, July 12.
- Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Seal-end carton. 2,491,278, Dec. 13.
- Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Tubular carton with strong end closures. 2,492,712, Dec. 27.
- Ringquist, Clarence L., assignor to The Trane Company, La Crosse, Wis. Method of and apparatus for conditioning air. 2,477,826, Aug. 2.
- Ringquist, Clarence L., and K. G. Miner, assignors to The Trane Company, La Crosse, Wis. Air-conditioning apparatus with defrosting means. 2,481,348, Sept. 6.
- Rinia, Herre: See—
Van Heeckeren, Willem J., Meyer, and Rinia.
- Rink, Leo S., Moline, Ill. Weeding device. 2,470,899, May 24.
- Rink, Leo S., Moline, Ill. Weeder with weed stripper. 2,470,900, May 24.
- Rinkenbach, William H., Dover, and A. J. Clear, Rockaway, N. J. Soldering flux. 2,471,451, May 31.
- Rinkenbach, William H., Dover, and A. J. Clear, Stanhope, N. J. Soldering flux. 2,474,863, July 5.
- Rinne, John, Brooklyn, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Parallel motion and picker stick snubber. 2,484,119, Oct. 11.
- Rinshed-Mason Company, assignee: See—
McCauley, Myron D.
- Rintelman, William L., Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of metal-free phthalocyanine. 2,485,167, Oct. 18.
- Rintelman, William L., Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of metal-free phthalocyanine. 2,485,168, Oct. 18.
- Riordan, Howard C., Oak Park, Ill. Warning signal for continuously operated radio receivers. 2,478,320, Aug. 9.
- Riott, John P., Pittsburgh, Pa. Reduction accelerator for the sponge iron rotary kiln process. 2,462,900, Mar. 1.
- Ripich, John J., Cleveland, Ohio. Heat-resistant low alloy steels. 2,467,701, Apr. 19.
- Ripich, John J., Cleveland, Ohio. Crucible. 2,479,641, Aug. 23.

- Riple, James C., Jr., Milwaukee, Wis., assignor to Avco Manufacturing Corporation. Cooling means for engine cylinders. 2,467,992, Apr. 19.
- Ripley, Charles T., assignor to Spring Packing Corporation, Chicago, Ill. Packing retainer. 2,460,031, Jan. 25.
- Ripley, Edwin B., Los Angeles, Calif. Electric hood. 2,460,433, Feb. 1.
- Ripley, Gladys A., assignee: See—
Ripley, Walter L.
- Ripley, Walter L., assignor of one-half to G. A. Ripley, Clearwater, Fla. Toy matador game. 2,464,261, Mar. 15.
- Ripley, Walter L., Yankeetown, Fla. Vehicle supported tent. 2,480,509, Aug. 30.
- Rippenbein, Albert P., New York, N. Y. Folding pedal wrench. 2,470,414, May 17.
- Rippenbein, Albert P., New York, N. Y. Game device. 2,490,092, Dec. 6.
- Rippere, Robert O.: See—
Lukacs, Joseph F., and Rippere.
- Risch, Frank M., St. Louis, Mo. Chlorine inhalator. 2,479,967, Aug. 23.
- Risch, Karl: See—
Heberlein, Georges and Georg, Weiss, Odinga, and Risch.
- Rishel, James B.: See—
Lazarus, William C., Paul, and Rishel.
- Rishell, George L., Emporium, Pa., assignor to Sylvania Electric Products Inc. Tube base removing machine. 2,478,982, Aug. 16.
- Rishell, George L., Emporium, Pa., assignor to Sylvania Electric Products Inc. Electron discharge device. 2,487,592, Nov. 8.
- Risher, John D.: See—
Adams, Douglas D., Rollius, and Risher.
- Rising, Albert E., Jr., Glen Head, N. Y. Brazing flux composition. 2,478,944, Aug. 16.
- Risley, Roger E., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Coupling for beaded pipes or tubings. 2,460,032, Jan. 25.
- Risley, Roger E., and P. B. Scharf, Bradford, Pa., assignors to Dresser Industries, Inc., Cleveland, Ohio. Method and apparatus for welding pipe. 2,463,907, Mar. 8.
- Rison, Donald E.: See—
Stockdale, John, and Rison.
- Risselt, Frank C., assignor to J. M. Risselt, Cincinnati, Ohio. Air relief valve for heating systems. 2,459,241, Jan. 18.
- Risselt, Josephine M.: See—
Risselt, Frank C.
- Rist, Carl E.: See—
Mehlretter, Charles L., Rist, and Alexander.
- Ristow, Edward W., assignor to Milwaukee Electric Tool Corporation, Milwaukee, Wis. Torque release tool for screw-threaded units. 2,475,518, July 5.
- Ritchie, Alexander J., assignor to Electric Boat Company, Bayonne, N. J. Aerial discharge device. 2,480,967, Sept. 6.
- Ritchie, George L.: See—
Hunt, William H., and Ritchie.
- Ritchie, John R., Minneapolis, Minn. Snowplow structure. 2,482,213, Sept. 20.
- Rite-Rite Manufacturing Company, assignee: See—
Jochim, Helmer R.
- Rittenhouse, John, Norristown, Pa., and M. F. Peters, Beltsville, Md., assignors, by mesne assignments, to C & D Batteries, Inc., Conshohocken, Pa. Explosion-proof battery vent and filler plug. 2,471,585, May 31.
- Rittenhouse & Revere, Inc., assignee: See—
Johnson, Charles F.
- Ritter Company, Inc., assignee: See—
Blatz, Hanson, and Anderson.
Ziegler, Eugene R.
- Ritter, Edmund J., Wyandotte, Mich., assignor to Sharples Chemicals Inc. Manufacture of thiocarbonyl chlorides. 2,466,276, Apr. 5.
- Ritter, Henry T., South Rockwood, Mich. Combination flowerpot and saucer. 2,484,909, Oct. 18.
- Ritter, John G., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor for food mixers or the like. 2,469,932, May 10.
- Ritter, John G., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid cooling apparatus. 2,488,435, Nov. 15.
- Ritter, Irving S., Sharon, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Axial flow fan. 2,482,597, Sept. 20.
- Ritter, Irving S., Sharon, and F. W. Morley, Westwood, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air-heating system. 2,482,735, Sept. 20.
- Ritter, Saidee M., assignor of one-third to E. N. Haynor and two-thirds to A. E. Coppleman, Los Angeles, Calif. Hair curler. 2,469,576, May 10.
- Ritter, Saul, New York, N. Y. Watch band display package. 2,470,370, May 17.
- Rittershausen, Ernst P., Hempstead, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Vinyl resin plasticizers. 2,489,674, Nov. 29.
- Ritti, John W., Los Angeles, Calif. Sustained electric signal operating device. 2,474,405, June 28.
- Rittling Corporation, The, assignee: See—
Reiss, Andrew E.
- Ritz, Bruce L., Norwood, and H. L. Johnson, Media, assignors to Sun Oil Company, Philadelphia, Pa. Hydrocarbon polymerization products and making and using the same. 2,476,064, July 12.
- Ritz, James W.: See—
Myers, Latimer D., and Ritz.
- Ritzert, Robert W., New York, N. Y., assignor to The Egly Register Company, Dayton, Ohio. Web feeding apparatus for collating machines. 2,465,267, Mar. 22.
- Ritzler, John A.: See—
Schmidt, William E., and Ritzler.
- Ritzmann, Otto F., Takoma Park, Md., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Process control system. 2,462,995, Mar. 1.
- Rivard, Adelard H., Detroit, Mich. Combination curler and waver. 2,484,050, Oct. 11.
- Rivard, Lawrence B., Dearborn, and R. J. McCarthy, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Adjustable automobile seat. 2,469,243, May 3.
- Rivard, Lawrence B., Dearborn, and C. F. Dickason, Ann Arbor, assignors to Ford Motor Company, Dearborn, Mich. Vehicle body construction. 2,474,985, July 5.
- Rively, Clair M., Bloomfield, and K. G. Crocker, East Orange, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Incandescent electric lamp for series service. 2,482,509, Sept. 20.
- Rivenburgh, Malcolm R.: See—
Steward, Colby W., and Rivenburgh.
- Rivers, Emil, Rockland, Maine. Fish slicing and cleaning machine. 2,466,614, Apr. 5.
- Rivers, Thornton H., Redruth, England. Tractor-trailer road vehicle coupling. 2,474,986, July 5.
- Riverside Mills, assignee: See—
Cone, Ralph R.
- Riviera Packing Company, assignee: See—
Smith, Herbert P.
- Rivington, Arthur A.: See—
Clarke, Thomas B., and Rivington.
- Rivinius, Jacob, Minot, N. Dak. Light plug and cap. 2,484,465, Oct. 11.
- Rivoira, Edilio J.: See—
Hoier, Walter A., Rivoira, and Mehlhope.
- Rixon, John F., assignor to Gifford-Wood Company, Hudson, N. Y. Chain. 2,465,929, Mar. 29.
- Rizer, Floyd R., Detroit, Mich. Lighting torch. 2,483,437, Oct. 4.
- Rizor, Delbert A., Fairfield, Iowa. Round refrigerator. 2,475,254, July 5.
- Rizzo, Joseph D., assignor to Artisan Shoe Company, Rochester, N. Y. Shoe. 2,472,987, June 14.
- Roach, Charles J., Hamilton, Ohio. Defrosting appliance. 2,466,479, Apr. 5.
- Roach, David J., A. A. Clark, and G. W. Rienks, assignors to The Great Western Sugar Company, Denver, Colo. Beet harvesting means. 2,462,128, Feb. 22.
- Roach, Harding F., and W. R. Nelson, Des Moines, Iowa. Motor acceleration means. 2,472,341, June 7.
- Roach, John R., Minneapolis, Minn., assignor to General Mills, Inc. Polyallyl ether compositions containing an orthosilicic acid ester. 2,477,548, July 26.
- Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Etherification process. 2,483,739, Oct. 4.
- Roach, Richard G., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Oscillation generator of the velocity modulation type. 2,485,661, Oct. 25.
- Roadgrader Gauge Corporation, assignee: See—
Schiavi, Vincent.
- Roadless Traction Limited, assignee: See—
Johnson, Philip H., and Tripp.
- Roads, Mikel, Los Angeles, Calif. Sickle mower. 2,486,209, Oct. 25.
- Roane, Arden E., assignor to The W. H. Reisner Manufacturing Company, Inc., Hagerstown, Md. Primary electrical training test board apparatus. 2,477,653, Aug. 2.
- Roark, Elmer M., Shreveport, La. Standing valve release mechanism. 2,459,003, Jan. 11.
- Roark, Martin L., Elizabethton, Tenn. Fishing line changer. 2,459,963, Jan. 25.
- Roark, Martin L., Elizabethton, Tenn. Metal box having trays mounted on swivable linkage. 2,488,067, Nov. 15.
- Roark, Walter H., Bremerton, Wash. Clothespin. 2,475,436, July 5.
- Roath, Arthur J., Wheatland, Wyo. Gate construction. 2,463,207, Mar. 1.
- Roatta, Edouard, Argues-la-Bataille, and A. Peyssonneaux, Grenoble, assignors to Comptoir des Textiles Artificiels, Paris, France. Twister ring and traveler. 2,464,150, Mar. 8.
- Roatta, Edouard, Argues-la-Bataille, and A. Peyssonneaux, Grenoble, assignors to Comptoir des Textiles Artificiels, Paris, France. Ring twister. 2,464,151, Mar. 8.
- Robb, Richard M.: See—
McBee, Earl T., and Robb.
- Robb, Robert J., Crooksville, Ohio. Back exercising and massaging device. 2,487,730, Nov. 8.

- Robb, Theodore D. : *See*—
Kille, Lindley A., and Robb.
- Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Machine for flame tempering cams. 2,491,134, Dec. 13.
- Robbins, Azor D., Glen Cove, N. Y., assignor to Specialties, Inc. Collimating optical sight. 2,492,888, Dec. 27.
- Robbins, Byron, Stamford, Conn. Raincoat. 2,487,983, Nov. 15.
- Robbins, Chandler, II, Auburn, Maine. Mixed yarn and fabric. 2,477,652, Aug. 2.
- Robbins, Chandler, II, Alexandria, Va. Screen patch and producing same. 2,487,830, Nov. 15.
- Robbins, Charles F. : *See*—
Putnam, David F., and Robbins.
- Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Machine for marking on cylindrical articles. 2,459,538, Jan. 18.
- Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Machine for marking wire, cable, rods, and the like. 2,470,075, May 10.
- Robbins Cloth Mills, Inc., assignee : *See*—
Thomas, Shelton J.
- Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,460,034, Jan. 25.
- Robbins, David S., Hamden, Conn., assignor to The American Steel and Wire Company of New Jersey. Two-legged braided sling. 2,491,767, Dec. 20.
- Robbins, Edward H., Brooklyn, assignor to The Patent and Licensing Corporation, New York, N. Y. Dispersions of isobutylene-diolefin copolymer. 2,476,430, July 19.
- Robbins, Frank E. : *See*—
Peake, John S., and Robbins.
- Robbins, James S., Highland Park, Ill. Gas compressor. 2,478,321, Aug. 9.
- Robbins, Jesse J., assignor to Stylofede Corporation, Glendale, Calif. Mechanical pencil. 2,469,411, May 10.
- Robbins, Leroy V., Jr., and W. D. Luening, Baton Rouge, La., assignors to Standard Oil Development Company. Slide valve. 2,485,316, Oct. 18.
- Robbins, Martin V., Folsom City, Calif. Clothespin. 2,477,088, July 26.
- Robbins, Maurice, as trustee, assignee : *See*—
Tardiff, Alma A.
- Robbins & Myers, Inc., assignee : *See*—
Cristiano, Angelo M.
Lloyd, Tom C.
Meussdorffer, Arthur R.
- Robbins, Robert L., Jr., Hollywood, Calif., assignor, by mesne assignments, to Milton Bradley Company. Game board. 2,484,051, Oct. 11.
- Robbins, Roland S., and C. T. Cochran, Lakewood, Ohio. Switch. 2,473,303, June 14.
- Robbins, Sam E., and F. L. Larson, Seattle, Wash. Releasable weight. 2,459,287, Jan. 18.
- Robbins, Sam E., and F. L. Larson, Seattle, Wash. Releasable hook means for fish lure. 2,459,288, Jan. 18.
- Robboy, Nathan M., Cleveland Heights, Ohio. Swivel fixture joint. 2,477,901, Aug. 2.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Electrical condenser. 2,460,033, Jan. 25.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Welding by induction heating. 2,478,640, Aug. 9.
- Roberts, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Cooled, high-frequency electric cable. 2,483,301, Sept. 27.
- Roberk Company, assignee : *See*—
Robins, Joseph M.
- Robert, Ramon C., Geneva, assignor to Mefina S. A., Binningen, Switzerland. Case for portable sewing machines. 2,479,725, Aug. 23.
- Robert, Roger A., Boulogne-sur-Seine, France. Jettisonable seat for airplanes. 2,476,770, July 19.
- Robert, Roger J., assignor to Société Union D'Electricite S. A., Paris, France. Method and device for studying electrical networks. 2,488,740, Nov. 22.
- Robertella, Joseph R. : *See*—
Roth, Bert W., and Robertella.
- Roberts, Aaron W., Dallas, Tex. Bandage. 2,489,675, Nov. 29.
- Roberts, Albert O., assignor to Ford Motor Company, Dearborn, Mich. Dual fluid coupling power transmission. 2,488,478, Nov. 15.
- Roberts, Albert O. : *See*—
Roberts, James E. and A. O.
- Roberts, Ann G., Chestertown, Md. Hair drying apparatus. 2,474,165, June 21.
- Roberts, Augusta L., New Orleans, La. Floor unit. 2,476,386, July 19.
- Roberts, Charles H. : *See*—
Hawkins, Scott F., and Roberts.
- Roberts, Charles H., Roscoe, Calif. Folding table. 2,462,677, Feb. 22.
- Roberts Chemical Company, assignee : *See*—
Sumner, Robert J.
- Roberts, Darling D., Cross City, Fla. Bed warmer. 2,487,478, Nov. 8.
- Roberts, Earl, Easton, Pa. Plural lens camera. 2,473,767, June 21.
- Roberts, Earl J. : *See*—
Ambler, Joseph A., and Roberts.
- Roberts, Edgar C. : *See*—
Weiss, Saul, and Roberts.
- Roberts, Edward N., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,463,429, Mar. 1.
- Roberts, Elliott J., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Ion exchange treatment of solutions. 2,484,647, Oct. 11.
- Roberts, Eugene E., Washington, D. C. Telephone switchboard attachment. 2,486,325, Oct. 25.
- Roberts, Fred T., Ridgefield, Conn. Making hollow rubber articles. 2,483,234, Sept. 27.
- Roberts, Fred T., Ridgefield, Conn. Apparatus for applying covers to balls. 2,489,387, Nov. 29.
- Roberts, Fred T. and R. E., Ridgefield, Conn. Method and apparatus for making hollow rubber articles. 2,463,562, Mar. 8.
- Roberts, Frederick H. : *See*—
Fife, Harvey R., and Roberts.
- Roberts, Frederick W., Fairfield, and J. H. Trevitt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Speed control of phonograph motors. 2,490,093, Dec. 6.
- Roberts, George H., assignee : *See*—
Milton, Robert E.
- Roberts, James E., Orion, Ill., and A. O. Roberts, Dearborn, Mich. Earth drilling device. 2,491,908, Dec. 20.
- Roberts, Jean M., Ridgewood, N. J., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Electric remote-control system. 2,475,461, July 5.
- Roberts, John, San Francisco, Calif. Multiple valve and packing therefor. 2,482,873, Sept. 27.
- Roberts, John A., Rock Island, Ill. Reinforcement applicator. 2,482,030, Sept. 13.
- Roberts, John E., Philadelphia, assignor to R. C. Parkes, Glenside, Pa. Synthetic material setting apparatus. 2,488,937, Nov. 22.
- Roberts, John R., De Valls Bluff, Ark. Apparatus for stripping bark from step-by-step advanced sawmill edgings or slabs. 2,492,321, Dec. 27.
- Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for collecting yarns. 2,485,776, Oct. 25.
- Roberts, Joseph K., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Synthesis of liquids from carbon monoxide and hydrogen. 2,461,570, Feb. 15.
- Roberts, Leslie, Bradford, assignor to The English Electric Company, Limited, London, England. Armature construction for dynamoelectric machines. 2,470,647, May 17.
- Roberts Manufacturing Company, The, assignee : *See*—
Roehr, Zbislav M.
- Roberts, Mary E., Berkeley, Calif. Adjustable shelf unit. 2,485,067, Oct. 18.
- Roberts Paper Company, assignee : *See*—
Dalby, Delbert G.
- Roberts, Perry L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling fluid. 2,483,936, Oct. 4.
- Roberts, Richard M., Granville, and T. H. Metzler, Toledo, Ohio, assignors to Owens-Corning Fiberglass Corporation. Mineral fiber mat and process of manufacture. 2,477,555, July 26.
- Roberts, Robert E. : *See*—
Roberts, Fred T. and R. E.
- Roberts, Robert E., Ridgefield, Conn. Apparatus for making flexible tubes. 2,486,763, Nov. 1.
- Roberts, Robert P., and K. Jones, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Bonding cellulose surfaces. 2,471,497, May 31.
- Roberts, Richard W., Jr., assignor to Crawford Manufacturing Co., Inc., Richmond, Va. Furniture slip cover. 2,469,520, May 10.
- Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Frequency-modulation recording and reproducing and its combination with a radio receiver. 2,488,936, Nov. 22.
- Roberts, Wayne M., assignee : *See*—
Lybber, Benjamin H.
- Roberts, Wesley J., Hot Springs, Ark. Tool handle fastener. 2,465,483, Mar. 29.
- Roberts, Wesley J., Jacksonville, Ark. Cane stripper with spring pressed arcuate blades. 2,467,052, Apr. 12.
- Roberts, William T., assignor of one-half to S. Wolongiewicz, Scranton, Pa. Tank-filling valve. 2,489,197, Nov. 22.
- Robertshaw-Fulton Controls Company, assignee : *See*—
Branson, Charles D.
Carson, William W., Jr.
Eskin, Samuel G.
Giesler, Jean V.
Good, Paul J.
Main, Robert C.
Morgan, David L.
Strobel, Charles K.
Puster, Louis M.
Watkins, William M., Jr.
Weber, Victor.
Weber, Victor, and Kunzler.

- Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Stabilizing aromatic amines. 2,469,745, May 10.
- Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Separation of hydrocarbons. 2,475,990, July 12.
- Robertson, Charles J., Hattiesburg, Miss. Impact type log peeler. 2,461,924, Feb. 15.
- Robertson, Charles B., Milwaukee, Wis., assignor to American Telephone and Telegraph Company. Unbalance location apparatus. 2,492,400, Dec. 27.
- Robertson, David, assignee: *See*—Robertson, Stewart.
- Robertson, Donald, assignor to Leeds and Northrup Company, Philadelphia, Pa. Assembly for temperature-responsive devices. 2,465,981, Mar. 29.
- Robertson, Edward H., assignor to Houston Oil Field Material Company, Houston, Tex. Packing for joints. 2,483,845, Oct. 4.
- Robertson, Edward R., St. Margarets-on-Thames, Twickenham, England, assignor, by mesne assignments, to Fram Corporation, East Providence, R. I. Oil filtering apparatus. 2,473,727, June 21.
- Robertson, H. H., assignee: *See*—Read, Harold J.
- Robertson, H. H., Company, assignee: *See*—Bannister, Bryant.
- Singleton, Fred G., and Jenkins.
- Robertson, James A.: *See*—Alderson, Witty L., Jr., and Robertson.
- Robertson, James A., Elsmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azodisulfonic acid salts as polymerization catalysts. 2,468,111, Apr. 26.
- Robertson, John D., assignor to Mount Hope Machinery Company, Taunton, Mass. Weft-straightening apparatus. 2,461,084, Feb. 8.
- Robertson, John M.: *See*—Schultz, Harold W., Robertson, and Rasmussen.
- Robertson, John M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Apparatus for forming composite bearings. 2,453,202, Jan. 4.
- Robertson, John M., and H. W. Schultz, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Making composite stock. 2,490,543, Dec. 6.
- Robertson, John W., Englewood, assignor of one-half to Ellis-Foster Company, Montclair, N. J., and one-half to Montclair Research Corporation. Radio-frequency power heating apparatus and method. 2,485,658, Oct. 25.
- Robertson, John W., Englewood, assignor of one-half to Ellis-Foster Company, Montclair, N. J., and one-half to Montclair Research Corporation. Dielectric heating. 2,485,659, Oct. 25.
- Robertson, John W., Englewood, assignor of one-half to Ellis-Foster Company, Montclair, N. J., and one-half to Montclair Research Corporation. Destruction of organisms. 2,485,660, Oct. 25.
- Robertson, John W., Englewood, and J. B. Rust, East Hanover, assignors of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Alkyd resin-oxidized butadiene polymer emulsion. 2,470,953, May 24.
- Robertson, Lawrence E., East Weymouth, Mass. Multi-chamber container. 2,469,856, May 10.
- Robertson, Leroy R., Richmond, Va. Hot water heating system. 2,461,774, Feb. 15.
- Robertson, Nat C.: *See*—Carlson, Carl S., Robertson, and Porter.
- Robertson, Nat C., Corpus Christi, Tex., assignor to Celanese Corporation of America. Separation and purification of methyl ethyl ketone. 2,477,087, July 26.
- Robertson, Oswald H. T. T. Puck, and H. Wise, Chicago, Ill., assignors to the United States of America, as represented by the Secretary of War. Method and apparatus for controlling the concentration of vapors in the atmosphere. 2,465,040, Mar. 22.
- Robertson, Robert R., Chicago, Ill. Center joint form. 2,458,303, Jan. 4.
- Robertson, Stewart, Oakland, Calif., assignor of thirty-three and one-third per cent to D. Robertson, Oakland, Ill. Tire pressure indicator. 2,481,534, Sept. 13.
- Robertson, Walter H., Elkhart, Ind. Trailer hitch. 2,459,965, Jan. 25.
- Robertson, William H., assignor to The Globe Industries, Inc., Dayton, Ohio. Control mechanism for dual camera shutters. 2,463,206, Mar. 1.
- Robertson, William, and L. W. Higgins, assignors to Bulldog Electric Products Company, Detroit, Mich. Panel board. Re. 23,156, Oct. 18.
- Robeson, Max O.: *See*—Bludworth, Joseph E., Robeson, and Truby.
- Robey, Richard F.: *See*—Morrell, Charles E., and Robey.
- Robey, Richard F., Cranford, N. J., assignor to Standard Oil Development Company. Concentration of piperylene. 2,459,454, Jan. 18.
- Robey, Richard F., Cranford, N. J., assignor to Standard Oil Development Company. Stabilizing hydrocarbons. 2,478,710, Aug. 9.
- Robichaud, Edmund J., Middletown, Conn., assignor to The Waterbury Farrel Foundry and Machine Company. Chucking apparatus. 2,475,519, July 5.
- Robichaud, Edmund J., Middletown, assignor to The Billings and Spencer Company, Hartford, Conn. Driving mechanism for automatic bar stock machines and the like. 2,481,153, Sept. 6.
- Robie, Norman P.: *See*—Goepfert, George J., and Robie.
- Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Polymerization of organic silicon compounds. 2,481,849, Sept. 6.
- Robie, Norman P., and A. L. Ball, assignors to The Carborundum Company, Niagara Falls, N. Y. Coated abrasive. 2,490,231, Dec. 6.
- Robiette, Alfred G. E., Bovingdon, and P. F. Hancock, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y. Austenitic cast iron. 2,472,027, May 31.
- Robins, Ben W., Philadelphia, Pa., assignor to Radio Corporation of America. Frequency stabilized blocking oscillator. 2,466,782, Apr. 12.
- Robins, Jack B., Colorado Springs, Colo. Adjustable seat for vehicles. 2,485,111, Oct. 18.
- Robins, Jack B., and J. K. Rose, Colorado Springs, Colo. Beet seeder. 2,463,807, Mar. 8.
- Robins, Joseph M., assignor to Roberk Company, Norwalk, Conn. Swivel joint for rearview mirrors and the like. 2,465,751, Mar. 29.
- Robbins & Myers, Inc., assignee: *See*—Moineau, René J. L.
- Robins, Samuel D., assignor to Hopkinson Laboratories, Inc., New York, N. Y. Arresting descent of a parachute supported load. 2,492,501, Dec. 27.
- Robins, Stanley J., New York, N. Y. Double-action gauge. 2,492,369, Dec. 27.
- Robinson, Adrian A., Indianapolis, Ind., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Apparatus for bleaching fatty substances. 2,483,710, Oct. 4.
- Robinson, Albert P., Seattle, Wash. Ash trap. 2,481,878, Sept. 13.
- Robinson Aviation, Inc., assignee: *See*—Franz, Edward L.
- Robinson Clay Product Company, The, assignee: *See*—Hertzel, Emanuel A., and Anderson.
- Robinson, Correl N., Jr., Trenton, and J. F. Olin, Grosse Ile, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of amino alcohols. 2,477,943, Aug. 2.
- Robinson, Curtis L., Portland, Oreg. Can punch. 2,489,677, Nov. 29.
- Robinson, Edward A., Pittsburgh, Pa., assignor to Diamond Alkali Company, Cleveland, Ohio. Water softening detergent and making same. 2,473,822, June 21.
- Robinson, Edward H., Hillingdon, assignor to Electric and Musical Industries Limited, Hayes, England. Electrical follow-up motor control apparatus. 2,484,120, Oct. 11.
- Robinson, Elvin B., Gastonia, assignor of one-third to C. J. Costner and one-third to A. W. Kincaid, Bessemer City, N. C. Bearing for drawing frames. 2,490,544, Dec. 6.
- Robinson, Frank M., and C. D. Stein, assignors to Jordan Electrical Manufacturing Company, Minneapolis, Minn. Battery charger. 2,483,673, Oct. 4.
- Robinson, Franklin P.: *See*—Brandon, Martin, and Robinson.
- Robinson, Fred S., Yalesville, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Producing flatware. 2,471,900, May 31.
- Robinson, George B., Vallejo, Calif. Universal hinge for articulated joints. 2,477,827, Aug. 2.
- Robinson, George F., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Approach alarm system. 2,492,182, Dec. 27.
- Robinson, Gerson H., Asbury Park, N. J. Mercury stuffing-box bearing unit. 2,462,901, Mar. 1.
- Robinson, Girard C., Maywood, Ill. Power-driven hammer. 2,461,571, Feb. 15.
- Robinson, Harold A.: *See*—Grebe, John J.
- Robinson, Melvin O. and H. A.
- Robinson, Harry G., Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. Abrasive cutoff machine. 2,465,399, Mar. 29.
- Robinson, Harry S., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Recovery and cleaning of condensable gases. 2,491,060, Dec. 13.
- Robinson, Herbert M., Walton, assignor to Bendix Aviation Corporation, New York, N. Y. Electrically conductive sealing gasket and making same. 2,477,267, July 26.
- Robinson, Henry G., Lakewood, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Duplicating machine. 2,479,865, Aug. 23.
- Robinson, Herman V., Thorsby, Ala. Net. 2,457,922, Jan. 4.
- Robinson, Horace M., Los Angeles, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Bushing mounting for rotary pumps. 2,465,930, Mar. 29.
- Robinson, Hugh S., U. S. Navy. Micrometer caliper. 2,472,126, June 7.
- Robinson, Jack D., Greenwich, Conn., assignor to Wingfoot Corporation, Akron, Ohio. Modified urea-formaldehyde resins. 2,476,065, July 12.

- Robinson, James : *See*—
Harrington, Ferris T., and Robinson.
- Robinson, James, Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,463,314, Mar. 1.
- Robinson, James, Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Hydraulic power transmission system. 2,465,484, Mar. 29.
- Robinson, James, Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Hydraulic drive for hoists or the like. 2,465,485, Mar. 29.
- Robinson, James, Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,489,435, Nov. 29.
- Robinson, John C., Pittsburgh, Pa. Sectional form for concrete wall construction. 2,491,212, Dec. 13.
- Robinson, John G., administrator : *See*—
Smith, Alvin W.
- Robinson, John W., Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trichloromethyl diaryl methanes. 2,460,535, Feb. 1.
- Robinson, Jonas, Clarks Summit, Pa. Compensator. 2,471,586, May 31.
- Robinson, Joseph, New York, N. Y. Electric vaporizer. 2,462,129, Feb. 22.
- Robinson, Joseph, New York, N. Y., assignor to the United States of America. Gasket forming machine. 2,463,563, Mar. 8.
- Robinson, Joseph, Jr., assignor to Marsh Wall Products, Inc., Dover, Ohio. Crated sheet material package. 2,464,153, Mar. 8.
- Robinson, Joseph J., Jr. : *See*—
Graft, Glen L., and Robinson.
- Robinson, Joseph J., Jr., assignor to Marsh Wall Products, Inc., Dover, Ohio. Tube closer. 2,491,213, Dec. 13.
- Robinson, Kyle I. : *See*—
Robinson, Lawrence R. and K. I., and Berger.
- Robinson, Lawrence R., Dormont, K. I. Robinson, Glen-shaw, and E. O. Berger, Bellevue, assignors to Pitts-burgh Pipe Cleaner Company, Pittsburgh, Pa. Flexible connector. 2,474,690, June 28.
- Robinson, Lawrence R., Mount Lebanon, and W. S. Lang, assignors to Pittsburgh Pipe Cleaner Company, Pitts-burgh, Pa. Pipe coating apparatus. 2,478,711, Aug. 9.
- Robinson, Leslie V., assignor to Robinson Aviation, Inc., New York, N. Y. Compression testing apparatus. 2,474,118, June 21.
- Robinson, Liddell G., Corcoran, Calif. Rotary dies. 2,459,585, Jan. 18.
- Robinson, Melvin A., Washington, D. C. Detachable shoe cleat. 2,459,455, Jan. 18.
- Robinson, Melvin O. and H. A., assignors to The Dow Chemical Company, Midland, Mich. Rapid-wetting gypsum-base backfill for cathodic protection. 2,480,087, Aug. 23.
- Robinson, Merrill P., Upper Montclair, assignor to Worth-ington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,483,672, Oct. 4.
- Robinson, Myrtle F., Baltimore, Md. Soap container. 2,481,243, Sept. 6.
- Robinson, Preston, Williamstown, and S. O. Dorst, as-signors to Sprague Electric Company, North Adams, Mass. Producing improved electrical conductors. 2,478,322, Aug. 9.
- Robinson, R. C., assignee : *See*—
Taylor, Russell H.
- Robinson, Ralph O., Jr. : *See*—
Talbot, Francis L., and Robinson, Jr.
- Robinson, Ralph S., Hunt's Cross, near Liverpool, and E. L. Humburger, Allerton, assignors to Beck, Koller and Company (England) Limited, Speke, Liverpool, England. Manufacture of maleamic acid. 2,459,964, Jan. 25.
- Robinson, Richard A. : *See*—
Cusic, John W., and Robinson.
- Robinson, Richard S., Gloucester, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Com-pany. Vibrating apparatus. 2,478,207, Aug. 9.
- Robinson, Ronald R., Morton, and J. D. Johnson, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Starting mechanism for internal-combustion engines. 2,481,783, Sept. 13.
- Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of hydrogen sulfide. 2,479,781, Aug. 23.
- Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Acetylene manufacture. 2,482,438, Sept. 20.
- Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic vapor phase hydration of ethylene. 2,486,980, Nov. 1.
- Robinson, Thomas, assignor to Lancaster Processes, Inc., New York, N. Y. Method and apparatus for peening the inside of tubes and other hollow bodies. 2,460,657, Feb. 1.
- Robinson, Thomas, assignor to Lancaster Processes, Inc., New York, N. Y. Apparatus for sonic pulverization and dispersion of materials. 2,462,554, Feb. 22.
- Robinson, Thomas, assignor to Lancaster Processes, Inc., New York, N. Y. Apparatus for sonic pulverization and dispersion of materials. 2,468,515, Apr. 26.
- Robinson, Thomas R., Jr., assignor to The Marlin Fire-arms Co., New Haven, Conn. Cartridge extractor con-struction for firearms. 2,465,553, Mar. 29.
- Robinson, Thomas R., Jr., Newtown, assignor to The Marlin Firearms Company, New Haven, Conn. Fire-control means for semiautomatic firearms. 2,492,814, Dec. 27.
- Robinson, Thomas R., Jr., Newtown, assignor to The Marlin Firearms Company, New Haven, Conn. Removable end closure for firearm receivers. 2,492,815, Dec. 27.
- Robinson Tool Company, assignee : *See*—
Swearingen, Judson S.
- Robinson, Vera E., Chicago, Ill. Tampon with built-in applicator. 2,491,017, Dec. 13.
- Robinson, William C., Columbus, Ohio, and R. M. Livings-ton, Seattle, Wash., assignors of one-third to said Robin-son, and one-third to said Livingston, and one-third to T. B. Holloway, Columbus, Ohio. Simulated golf game. 2,489,676, Nov. 29.
- Robinson, William H., Bloomfield, Conn. Safety shutoff device for carbonaceous fuel burners. 2,488,330, Nov. 15.
- Robison, Sidney J., Chicago, Ill., assignor to Universal Atlas Cement Company. Seal for rotary kilns. 2,469,078, May 3.
- Roblin, Richard O., Jr. : *See*—
Miller, Wilbur H., and Roblin.
Williams, James H., and Roblin.
- Robot Appliances, Inc., assignee : *See*—
Belsky, Charles.
- Robra Products Co., assignee : *See*—
Dahl, Robert E.
- Robson, Duer C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Lock-ing device. 2,469,993, May 10.
- Robson, Duer C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Ap-paratus for oiling parts. 2,471,978, May 31.
- Robson, Duer C., Baltimore, and C. N. Stover, Towson, Md., assignors to Western Electric Company, Incor-porated, New York, N. Y. Tape dispensing device. 2,484,648, Oct. 11.
- Robson, Stanley, Clifton, Bristol, and L. J. Derham, Severn Beach, assignors to The National Smelting Company Limited, London, England. Production of zinc. 2,464,262, Mar. 15.
- Robson, Stanley, Redland, Bristol, assignor to The Na-tional Smelting Company Limited, London, England. Condensation of zinc from its vapor in gaseous mixtures. 2,473,304, June 14.
- Robson, Stanley, Redland, Bristol, assignor to The National Smelting Company Limited, London, England. Production of zinc. 2,473,611, June 21.
- Robson, Thomas D. : *See*—
Oxley, Peter, Robson, Koebner, and Short.
- Robson, William S., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Stitch separating machine. 2,469,477, May 10.
- Roby, Horace H., Wichita, Kans., assignor, by mesne as-signments, to Beech Aircraft Corporation. Hub assem-bly for aircraft propellers. 2,464,463, Mar. 15.
- Roby, Horace H., Wichita, Kans., assignor, by mesne assignments, to Beech Aircraft Corporation. Hub assembly for controllable pitch propellers. 2,464,991, Mar. 22.
- Rocchini, Albert G., Springdale, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Oil compos-itions. 2,458,425, Jan. 4.
- Rocchini, Albert G., Springdale, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating oil compositions. 2,469,003, May 3.
- Rocco, Ernesto, Brooklyn, N. Y. Christmas tree stand. 2,485,460, Oct. 18.
- Roda, Rafael, Vauport City, Oreg. Nondetrudable safety lock. 2,469,610, May 10.
- Roché, Jean A. F., Norwood, Ohio. Ice cube tray. 2,484,121, Oct. 11.
- Roche, John A. : *See*—
Roche, Thomas J. and J. A.
- Roche, John C., assignor of one-half to D. J. Zahanion, Battle Creek, Mich. Picks and like tools. 2,462,427, Feb. 22.
- Roche, Paul C., assignor to Lord Manufacturing Company Erie, Pa. Cushion support. 2,460,596, Feb. 1.
- Roche, Paul C., assignor to National Organ Supply Com-pany, Erie, Pa. Plastic fastening. 2,470,723, May 17.
- Roche, Thomas J. and J. A., San Francisco, Calif. Lawn perforator. 2,483,846, Oct. 4.
- Rocheleau, Leopold A., Leominster, Mass. Universal end mill grinding fixture. 2,484,590, Oct. 11.
- Rochester Butter Company, assignee : *See*—
Brodersen, Neil O. and E. C.
- Rochester, Nathaniel, Milton, Mass., assignor to Sylvania Electric Products Inc. Crystal matrix. 2,476,066, July 12.
- Rochow, Eugene G., Schenectady, N. Y., assignor to Gen-eral Electric Company. Preparation of alkyl-substituted halogenosilanes. 2,459,539, Jan. 18.
- Rochow, Eugene G., Schenectady, N. Y., assignor to Gen-eral Electric Company. Preparation of tetramethyl sili-cate. 2,473,260, June 14.
- Rochow, Eugene G., Schenectady, N. Y., assignor to Gen-eral Electric Company. Preparation of hydrocarbon-substituted halogenosilanes. 2,483,373, Sept. 27.

- Rochow, William F., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Furnace refractory construction. 2,462,289, Feb. 22.
- Rochow, William F., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Metal cased composite suspended roof unit. 2,465,170, Mar. 22.
- Rochwhite, Seton I., Wauwatosa, assignor to David White Company, Milwaukee, Wis. Stereoscope. 2,484,591, Oct. 11.
- Rock, Arthur F., Lakewood, assignor to General Dry Batteries, Inc., Cleveland, Ohio. Flat dry cell battery unit. 2,475,152, July 5.
- Rock, Arthur F., Lakewood, assignor to General Dry Batteries, Inc., Cleveland, Ohio. Making a dry cell battery unit of flat cells. 2,475,153, July 5.
- Rock, George L., Jonesville, Mich., assignor to Vaco Products Company, Chicago, Ill. Detachable bit screw driver construction. 2,483,563, Oct. 4.
- Rock, Joseph, Jr., North Syracuse, assignor to Crouse-Hinds Company, Syracuse, N. Y. Work holder. 2,481,684, Sept. 13.
- Rockford Automotive Industries, Inc., assignee: *See*—Ives, Burton H.
- Rockford Machine Tool Company, assignee: *See*—Halberg, Elmer E., and Verstynen.
- Rockhill, Fred E., Aberdeen, Wash. Attachable creel kit. 2,481,618, Sept. 13.
- Rock Island Millwork Company, assignee: *See*—Rundquist, Willard H.
- Rockoff, Joseph: *See*—Bacon, Henry M., and Rockoff.
- Rockstrom, Leonard, and A. Briglia, assignors to Silent Hoist and Crane Co., Inc., Brooklyn, N. Y. Mechanism for swinging crane booms. 2,489,326, Nov. 29.
- Rockwell, Edward A., Shaker Heights, assignor to Electro-Geo Corporation, Cleveland, Ohio. Apparatus including power unit for setting brakes. Re. 23,081, Jan. 25.
- Rockwell, Edward A., Cleveland, Ohio. Self-contained hydraulic servo mechanism. 2,458,736, Jan. 11.
- Rockwell, Edward A., Cleveland, Ohio. Fluid pressure valve. 2,459,456, Jan. 18.
- Rockwell, Edward A., Cleveland, Ohio. Power apparatus with travel control. 2,467,273, Apr. 12.
- Rockwell, Edward A., Cleveland, Ohio. Pneumatic hydraulic travel control apparatus. 2,470,954, May 24.
- Rockwell, Edward A., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Electrically controlled valve means. 2,473,038, June 14.
- Rockwell, Edward A., Cleveland, Ohio. Master cylinder apparatus. 2,477,089, July 26.
- Rockwell, Eileen A., assignor to The La Resista Corset Company, Bridgeport, Conn. Undergarment. 2,483,302, Sept. 27.
- Rockwell, Eileen A., assignor to The La Resista Corset Company, Bridgeport, Conn. Undergarment. 2,487,893, Nov. 15.
- Rockwell, Gaynor O., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Explosive operated latch mechanism. 2,485,921, Oct. 25.
- Rockwell, Harvey W., Cedar Rapids, Iowa. Detachable implement for vehicles. 2,486,372, Oct. 25.
- Rockwell, Lyle C., Elgin, assignor to Acme Visible Records, Inc., Chicago, Ill. Cabinet door pull and catch. 2,469,893, May 10.
- Rockwell Manufacturing Company, assignee: *See*—Bergman, Charles P., Bergman, Charles P., and Cornell.
- Gilmore, Edward R., Perkins, Clyde A., Scherer, George F.
- Rockwell, Ronald J., assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio. Electrodynamic phonograph pickup. 2,478,712, Aug. 9.
- Rockwell, Walter F., Detroit, Mich., and B. W. Keese, Oshkosh, Wis., assignors to The Timken-Detroit Axle Company, Detroit, Mich. Automotive vehicle. 2,462,902, Mar. 1.
- Rockwood, Albert E., assignor to Simplex Time Recorder Co., Gardner, Mass. Recorder casing with flexible card slot closure. 2,486,063, Oct. 25.
- Rockwood, Charles H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Thermally responsive actuator. 2,464,943, Mar. 22.
- Rockwell, Ronald J., Cincinnati, Ohio. Electromagnetic pickup unit. 2,488,504, Nov. 15.
- Rockwood Sprinkler Company, assignee: *See*—Freeman, Howard G.
- Rockwood Sprinkler Company of Massachusetts, assignee: *See*—Freeman, Howard G., and Hencinski.
- Rocky Mountain Gas Equipment Company, The, assignee: *See*—Dresen, James P., Patch, Paul J.
- Rocla Limited, assignee: *See*—Fitzpatrick, Frank L.
- Rocquin, Camille J., New Orleans, La. Rake. 2,472,342, June 7.
- Rodal, Ralph B.: *See*—Schafer, Robert A., and Rodal.
- Rodaway, Edgar O., assignor to Thomas Savery Pumps Limited, Birmingham, England. Pump. 2,489,931, Nov. 29.
- Rodbell, Morton M., New York, N. Y. Automatic combination container and cover. 2,465,752, Mar. 29.
- Rodd, Albert E., Arlington, assignor to Bradford Novelty Co., Inc., Cambridge, Mass. Ionization gauge having an exchangeable filament. 2,475,988, July 12.
- Rodd, Houston B., Trona, Calif. Adjustable accelerator pedal. 2,484,592, Oct. 11.
- Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Drawbench. 2,472,231, June 7.
- Roddy, Fred M., Providence, R. I. Preparing and fashioning thermoplastic and thermosetting materials. 2,478,013, Aug. 2.
- Rodeck, Armin H., and A. G. Massey, assignors to Massey Machine Company, Watertown, N. Y. Fluid pressure control system. 2,463,495, Mar. 1.
- Rodeck, Armin H., and A. G. Massey, assignors to Massey Machine Company, Watertown, N. Y. Centrifugal governor. 2,473,449, June 14.
- Rodeck, Jack F., Odessa, Wash. Airplane. 2,472,763, June 7.
- Rodefald, William H., Richmond, Ind. Pickup hay wagon. 2,471,350, May 24.
- Rodefald, William H., Richmond, Ind. Hay harvesting machine. 2,488,938, Nov. 22.
- Rodefald, William H., Richmond, Ind. Hay take-up machine. 2,488,939, Nov. 22.
- Rodenhuis, Klaas: *See*—Prakke, Fritz, Keeman, and Rodenhuis.
- Roderick, Arthur R., Eagle River, Wis. Saw filing machine. 2,462,225, Feb. 22.
- Roderick, Harry L., Oakland, Calif. Model airplane motor. 2,477,421, July 26.
- Roderick, Howard F., Grosse Ile, and F. M. Zorn, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Complex calcium carbonate-silicate pigment product and making same. 2,470,577, May 17.
- Roderick, Otha R., Cumberland, Md. Launching device for firing projectiles from a mortar. 2,465,931, Mar. 29.
- Rodesci, Nicholas, Minneapolis, Minn. Power lawn mower. 2,468,839, May 3.
- Rodfak Manufacturing Co., assignee: *See*—Hamilton, Roy C., and Rothchild.
- Rodgers, Dwain L., Los Angeles, Calif. Dust mop having clamping channels for holding mop cloth tufts of varied lengths. 2,489,158, Nov. 22.
- Rodgers, James S., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Making integral external and internal finned tubing. 2,463,997, Mar. 8.
- Rodgers, Lionel M., Springfield Township, Montgomery County, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Position indication and control system. 2,460,597, Feb. 1.
- Rodgers, Nelson E.: *See*—Hanson, Austin M., Rodgers, and Meade.
- Rodgers, Thomas T., Milwaukee, Wis.: T. T. Rodgers, Jr., executor of the said T. T. Rodgers, Sr., deceased. Aqueous lubricant. 2,474,325, June 28.
- Rodgers, Thomas T., Jr., executor: *See*—Rodgers, Thomas T.
- Rodkey, Franklin P., Delphi, Ind. Accelerator rod detent. 2,490,473, Dec. 6.
- Rodman, Clarence J., Alliance, Ohio. Bathtub. 2,490,982, Dec. 13.
- Rodman, Frank A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing construction. 2,478,837, Aug. 9.
- Rodman, Hugh, assignor to Universal Oil Products Company, Chicago, Ill. Fluid distributing plate. 2,487,984, Nov. 15.
- Rodman, Isaac P., Jr., West Orange, assignor to Cellulastic Corporation, Newark, N. J. Method of and apparatus for molding. 2,469,130, May 3.
- Rodney Hunt Machine Co., assignee: *See*—Belcher, Harold H.
- Rodoni, Francis F.: *See*—Pavesi, Louis, and Rodoni.
- Rodrigue, Washington E., Larose, La. Rotary marsh land ditcher. 2,484,741, Oct. 11.
- Rodrigues, Jose, Fall River, Mass. Truss construction. 2,469,577, May 10.
- Rodriguez, Manuel G., New York, N. Y. Sealing means for cartons. 2,489,817, Nov. 29.
- Rodriguez, Alfred, assignor to J. F. Barnes, J. O. Reinecke, M. M. Barnes, and E. Reinecke, Chicago, Ill. Walker or toy vehicle. 2,462,814, Feb. 22.
- Roe, Ernest, assignee: *See*—Schulze, Kurt E.
- Roe, Louis L., Wichita, Kans. Water carrier for minnows. 2,489,818, Nov. 29.
- Roebken, Carl B., Washington, D. C. Therapeutic lamp. 2,469,412, May 10.
- Roebbing's, John A., Sons Company, assignee: *See*—French, Frederick A., Green, Richard D., Hobbs, William, Jr., Lewis, Dartrey.
- Roebuck, John R.: *See*—Osterberg, Harold, Roebuck, and Collyer.

- Roedding, Gordon E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Spring mounted two-position prismoidal rear-view mirror. 2,469,207, May 3.
- Roedding, Gordon E., Anderson, Ind. Trammel head. 2,474,864, July 5.
- Roedel, George F.: *See*—
Marsden, James, and Roedel.
- Roedel, Milton J., Talleyville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalysts for polymerizing olefins. 2,462,678, Feb. 22.
- Roedel, Milton J., Talleyville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene polymerization with Grignard type compounds. 2,475,520, July 5.
- Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions and articles coated therewith. 2,479,409, Aug. 16.
- Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Altering the properties of solid polymers of ethylene. 2,484,529, Oct. 11.
- Roeder, Dale, Detroit, and W. J. McClenahan, assignors to Ford Motor Company, Dearborn, Mich. Wheel suspension. 2,477,090, July 26.
- Roeder, Dale, Wayne, and H. L. Brock, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Cooling arrangement for speed governors. 2,466,328, Apr. 5.
- Roehm, Erwin G., Norwood, and H. Fritschl, Silvertown, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine. 2,489,227, Nov. 22.
- Roehm, William A.: *See*—
Karfol, Edward, and Roehm.
- Roehm, William A., Rockville Centre, assignor, by mesne assignments, to Virtu, Inc., Brooklyn, N. Y. Web coating apparatus. 2,474,691, June 28.
- Rohner, Theodore G., Mount Vernon, and G. W. Murray, Pleasantville, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,487,376, Nov. 8.
- Rohner, Theodore G., Mount Vernon, and G. W. Murray, Pleasantville, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,487,377, Nov. 8.
- Rohner, Theodore G., Mount Vernon, and G. W. Murray, Pleasantville, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,487,378, Nov. 8.
- Rohner, Theodore G., Mount Vernon, and G. W. Murray, Pleasantville, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricant. 2,487,379, Nov. 8.
- Roehr, Zbislav M., assignor to The Roberts Manufacturing Company, New York, N. Y. Hypodermic syringe. 2,461,481, Feb. 8.
- Roehrl, Carl, Chicago, Ill. Reciprocating and locking means for dies or the like. 2,460,658, Feb. 1.
- Roehrich, John, assignee: *See*—
Luhrs, Arthur K.
- Roehrich, Victor H., St. Paul, Minn. Basic aluminum salt solutions. 2,459,289, Jan. 18.
- Roehrl, Bruno C., Erie, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Rotating film carrier having overlying optical density wedge for sensitometers. 2,464,892, Mar. 22.
- Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Wrist watch strap. 2,466,741, Apr. 12.
- Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Strap connection. 2,466,742, Apr. 12.
- Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Catch. 2,475,154, July 5.
- Roehrl, Bruno C., Erie, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Film cartridge. 2,484,248, Oct. 11.
- Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Loose-leaf binder. 2,484,742, Oct. 11.
- Roehrl, Bruno C., Erie, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Film cartridge. 2,487,479, Nov. 8.
- Roell, Peter A., Indianapolis, Ind. Fishing pole holder. 2,492,323, Dec. 27.
- Roemer, Benjamin C.: *See*—
Lust, Delmar H., and Roemer.
- Roemer, Louise E., assignee: *See*—
Duerr, Carl E., Jr.
Knam, Francis E.
Osterhus, Ervin J.
- Roemer, Ralph R., assignee: *See*—
Duerr, Carl E., Jr.
Knam, Francis E.
Osterhus, Ervin J.
- Roemer, William C., assignor to Olin Industries, Inc., New Haven, Conn. Automatic sear for automatic and semi-automatic firearms. 2,469,053, May 3.
- Roemer, William C., assignor to Olin Industries, Inc., New Haven, Conn. Control device for automatic and semi-automatic firearms. 2,471,779, May 31.
- Roemer, William C., assignor to Olin Industries, Inc., New Haven, Conn. Safety mechanism for firearms. 2,490,474, Dec. 6.
- Roesch, Willard G.: *See*—
Besserdich, Arnold C., and Roesch.
- Roeschke, Conrad W., Santa Fe, N. Mex. Multiple socket wrench. 2,485,169, Oct. 18.
- Roesler, Layton S., Claflin, Kans. Mixing bowl guard. 2,460,364, Feb. 1.
- Roessel, Hilmar, assignor to Fletcher Works, Inc., Philadelphia, Pa. Bobbin building motion. 2,481,619, Sept. 13.
- Roessner, William L., assignor to N. A. Grassfield, Cherry Hills Village, Colo. Automatically operable fire extinguisher. 2,470,371, May 17.
- Roessner, William L., Cherry Hills Village, Colo. Garment construction. 2,492,444, Dec. 27.
- Roesti, Hans, assignor to Ciba Limited, Basel, Switzerland. Dyeing glass fibers. 2,462,428, Feb. 22.
- Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.
- Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide mechanism for vehicle bodies. 2,481,535, Sept. 13.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Window guide mechanism for vehicle bodies. 2,481,536, Sept. 13.
- Roetheli, Bruno E.: *See*—
Rex, Walter A., and Roetheli.
- Roetheli, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Manufacturing plaster of Paris. 2,485,317, Oct. 18.
- Roetheli, Bruno E., Cranford, and W. G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Apparatus for reactions requiring short contact time. 2,458,960, Jan. 11.
- Roetter, Robert P.: *See*—
Weschler, William S., Roetter and Corporon.
- Roetter, Robert P., Westmont, N. J., assignor to Radio Corporation of America. Gravity-actuated high-voltage switch. 2,485,170, Oct. 18.
- Rogalla, Robert G., Racine, Wis. Trouser hanger. 2,461,179, Feb. 8.
- Roganti, Henry P., Dayton, Ohio. Camera control for bombardment aircraft. 2,468,781, May 3.
- Rogers, Alban E., Swarthmore, Pa. Device for teaching arithmetic. 2,472,439, June 7.
- Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction between vinyl cyanide and reactive methylene compounds. 2,460,536, Feb. 1.
- Rogers Brothers Corporation, assignee: *See*—
Bevan, William J.
- Rogers, Charles E.: *See*—
Ely, Frederic G., and Rogers.
- Rogers, Charley N., Sand Springs, Okla. Gate closer. 2,487,894, Nov. 15.
- Rogers, Clarence A.: *See*—
Rogers, Louis, and C. A.
- Rogers, Clarence T., Akron, Ohio. Automobile or like towing device. 2,481,685, Sept. 13.
- Rogers, Dayton A., and J. T. Gondek, assignors to Dayton Rogers Manufacturing Co., Minneapolis, Minn. Safety overload pitman for power presses. 2,491,279, Dec. 13.
- Rogers Dayton Manufacturing Co., assignee: *See*—
Rogers, Dayton A., and Gondek.
- Rogers, Dean C., Rutherford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cast synthetic resin with integral sheen. 2,480,752, Aug. 30.
- Rogers, Dilworth T.: *See*—
McNab, John G., and Rogers.
Munday, John C., and Rogers.
- Rogers, Dilworth T., Summit, and J. H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company. Synthetic lubricant. 2,460,035, Jan. 25.
- Rogers, Dilworth T., Summit, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,483,505, Oct. 4.
- Rogers, Edward F., Middletown, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Esters of penicillin S-dioxide. 2,483,235, Sept. 27.
- Rogers, Gael S., assignor to Kimball Elevator Company, Ltd., Los Angeles, Calif. Multiple section door construction. 2,466,913, Apr. 12.
- Rogers, Gardiner M.: *See*—
Mackey, Charles O., and Rogers.
- Rogers, Gardiner M., and C. O. Mackey, Ithaca, N. Y., assignors to Orange-Crush Company, Chicago, Ill. Apparatus for and method of cooling liquids. 2,488,881, Nov. 22.
- Rogers, George W.: *See*—
Watson, Harvey P., and Rogers.
- Rogers, Gordon F., New Hyde Park, N. Y., assignor to Radio Corporation of America. Cathode-ray beam deflection circuit. 2,469,895, May 10.
- Rogers, Harry, Bakersfield, and W. F. Mellen; said W. F. Mellen assignor to A. M. Mellen, Whittier, Calif. Two-way plow. Re. 23,093, Apr. 12.
- Rogers, Harold G., Lexington, Ky., and C. C. Kajdan, assignors to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute equipment. 2,482,693, Sept. 20.
- Rogers Imports Inc., assignee: *See*—
Husted, Harry A.
- Rogers Industries, Inc., assignee: *See*—
Ettil, Joseph.
- Rogers, James H., Neosho, assignor to P. D. J. R. Contreras, Newton County, Mo. Carpenter's calculating device. 2,485,777, Oct. 25.
- Rogers, James L., Fort Worth, Tex. Gear shift attachment. 2,490,708, Dec. 6.

- Rogers, John B., Pasadena, Md. Inverted feed carburetor for pulverized coal or the like. 2,489,980, Nov. 29.
- Rogers, John R., Waco, Tex. Article dispenser. 2,487,380, Nov. 8.
- Rogers, Laura A., Shidler, Okla. Shade and curtain bracket. 2,478,014, Aug. 2.
- Rogers, Leonard M., Mendon, assignor to Draper Corporation, Hopedale, Mass. Check strap bracket for looms. 2,489,979, Nov. 29.
- Rogers, Leonard M., Mendon, and F. F. Donoghue, Worcester, assignors to Draper Corporation, Hopedale, Mass. Loom reed support. 2,489,978, Nov. 29.
- Rogers, Louis and C. A., Ripon, Calif. Vine cutter. 2,473,450, June 14.
- Rogers, Norma I.: *See*—
Block, Richard J., Brocklesby, and Rogers.
- Rogers, Paul M., Balboa Island, Calif. Combination wrench and screw driver. 2,464,058, Mar. 8.
- Rogers, Robert W., Barrington, and C. C. Blanch, Providence, R. I., assignors to Scott Testers, Inc. Pawl release for pendulum arms of testing machines. 2,459,134, Jan. 11.
- Rogers, Samuel P., El Paso, Tex. Holding tool. 2,460,470, Feb. 1.
- Rogers, Stanley, Boston, Mass. Saw holder. 2,490,094, Dec. 6.
- Rogers, Thomas H.: *See*—
Loane, Clarence M., and Rogers.
- Rogers, Thomas H., New Canaan, assignor to Machlett Laboratories, Inc., Springdale, Conn. Electrical discharge tube. 2,480,198, Aug. 30.
- Rogers, Thomas H., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Improving the surface of synthetic rubber sponge. 2,469,894, May 10.
- Rogers, Thomas H., Jr., Cleveland, Ohio, and B. D. Vickers, New Rochelle, N. Y., assignors to Wingfoot Corporation, Akron, Ohio. Thermoset copolymer of vinyl chloride and vinylidene chloride. 2,466,998, Apr. 12.
- Rogers, Wallace C., Scarsdale, and A. V. Anderson, Beacon, assignors to New York Rubber Corporation, New York, N. Y. Pneumatic bed. 2,465,268, Mar. 22.
- Roggen, Franz: *See*—
Keller, Ernst, and Roggen.
- Roggenstein, Edwin O., Iliion, assignor, by mesne assignments, to R. Groben, Utica, N. Y., as trustee of Electric-Toy, Inc., Bankrupt. Motor-driven toy vehicle. 2,481,686, Sept. 13.
- Roggenstein, Edwin O., and E. F. Thierfelder, Iliion, assignors to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,489,724, Nov. 29.
- Rojas, James M., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Connecting plug. 2,482,214, Sept. 20.
- Rognstad, Ruby K., assignee: *See*—
Bostic, William J.
- Rogoff, Julian, New Rochelle, N. Y., assignor to Brundy Engineering Company, Inc. Preinsulated aerial cable tap connector. 2,459,004, Jan. 11.
- Rohan, Harold E.: *See*—
Hoehn, Robert N., and Rohan.
- Rohan, Norman E., Inez, Tex. Traction wheel for tractors or the like. 2,488,831, Nov. 22.
- Rohde, Le Roy H., and J. E. Underwood, Phoenixville, assignors to The West Company, Philadelphia, Pa. Container cap. 2,465,269, Mar. 22.
- Rohdin, Howard A., Glen Ridge, N. J. Coloring package for oleomargarine. 2,469,521, May 10.
- Rohland, Curt J., Seekonk, Mass., assignor to Fram Corporation. Filter cartridge package. 2,466,999, Apr. 12.
- Rohleder, John J., Baltimore, Md. Combined adjustable curtain and blind bracket. 2,470,648, May 17.
- Rohlf, Earl E., Milwaukie, Oreg. Welding hood. 2,487,183, Nov. 8.
- Röhm & Haas Company, assignee: *See*—
Auten, Robert W.
Bock, Louis H., and Rainey.
Bortnick, Herman M.
Bortnick, Newman M., and Butterbaugh.
Brosen, Herman A.
Brosen, Herman A., and Niederhauser.
Brosen, Herman A., and Raterink.
Brosen, Herman A., and Riener.
Butler, George B.
Craig, W. E., and Hester.
Croxall, Willard J., and Neher.
Glavis, Frank J.
Glavis, Frank J., and Neher.
Hollander, Charles S.
Houk, Alva L.
Levesque, Charles L.
McKeever, Charles H.
Meitzner, Erich F., and Hester.
Merrill, David R., and Perry.
Neher, Harry T., and Bauer.
Neher, Harry T., Kroeker, and Croxall.
Niederhauser, Warren D.
Niederhauser, Warren D., and Koroly.
Raterink, Harry R., and Brosen.
Riener, Thomas W., and Brosen.
Rowland, Stanley P.
Smythe, Carl V., and Drake.
Spence, Le Roy U., and Sakal.
Stallings, James W.
Wooster, Charles B.
- Rohn, Wilhelm, Hanau on Main, Germany; vested in the Attorney General of the United States. Instrument for measuring and indicating the intensity of gas currents. 2,468,896, May 3.
- Rohrer, Traugott, Evanston, Ill. Wind instrument. 2,478,323, Aug. 9.
- Rohr, Mamie E., and J. S. Thornhill, Lynchburg, Va. Cover for handbags. 2,479,263, Aug. 16.
- Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Plastic brace bar spectacle with pivoting lens connections. 2,474,119, June 21.
- Rohrman, Frederick A.: *See*—
Greene, John W., Conrad, and Rohrman.
- Rohrman, Henry C., assignor of one-half to F. P. Murphy, Philadelphia, Pa. Fused plug connector. 2,458,203, Jan. 4.
- Rohrmann, Charles A., Manoa, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing ammonium sulfamate. 2,487,480, Nov. 8.
- Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Isothiouresides of aliphatic sulfides. 2,463,998, Mar. 8.
- Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Alpha-(aminoalkyl)-stilbenes. 2,485,662, Oct. 25.
- Roisman, Harper, Los Angeles, Calif. Film viewer with intermittent motion. 2,490,920, Dec. 13.
- Roitz, Joseph M., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Lifting and transporting apparatus. 2,478,665, Aug. 9.
- Roland, Helen, Ringoes, N. J. Lipstick applicator. 2,482,874, Sept. 27.
- Roland, John R.: *See*—
Hanford, William E., Roland, and Mochel.
- Roland, John R., Jr.: *See*—
Hanford, William E., and Roland, Jr.
- Roland, John R., and J. Harmon, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Olefin reactions. 2,479,082, Aug. 16.
- Roland, Joseph W., Aberdeen, Md. Chalk container. 2,489,464, Nov. 29.
- Rolando, Charles O., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Photographic apparatus. 2,491,769, Dec. 20.
- Rolex Watch Co. Ltd., assignee: *See*—
Borer, Emile.
- Rolland, Guy F., McKeesburg, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric explosion initiator. 2,478,838, Aug. 9.
- Rollason, Ernest C., Essex, England, assignor to Metal and Thermit Corporation, New York, N. Y. Coated weldrod. 2,460,537, Feb. 1.
- Rollason, Ernest C., Waltham Abbey, England, assignor to Metal and Thermit Corporation, New York, N. Y. Coated weld rod. 2,461,180, Feb. 8.
- Rollason, Stewart A., assignor to William Newman and Sons Limited, Birmingham, England. Fluid check device for doors. 2,467,597, Apr. 19.
- Roller, Leslie G., Des Moines, Iowa. Tree holder. 2,476,223, July 12.
- Roller, Paul S., Hyattsville, Md., assignor to the United States of America as represented by the Secretary of the Interior. Preparing barium aluminate. 2,469,413, May 10.
- Rollius, Karl: *See*—
Adams, Douglas D., Rollius, and Risher.
- Rollman, Ernest E.: *See*—
Rollman, Heinz W. and E. E.
- Rollman, Heinz W., Waynesville, N. C., and E. E. Rollman, Los Angeles, Calif. Making slip-laster footwear. 2,484,743, Oct. 11.
- Rollman, Michael A., Landisville, Pa. Support for irons. 2,466,825, Apr. 12.
- Rollman, Michael A., Landisville, Pa. Massage device. 2,472,385, June 7.
- Rollman, Walter F.: *See*—
Welty, Albert B., Jr., and Rollman.
- Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Drying gases. 2,475,255, July 5.
- Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Method and apparatus for contacting solids and gases. 2,485,318, Oct. 18.
- Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Oxidation of aromatic hydrocarbons. 2,489,347, Nov. 29.
- Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Contacting fluid solids with gases. 2,491,135, Dec. 13.
- Roll-Rite Corporation, assignee: *See*—
Christensen, Carl O.
- Rolls-Royce Limited, assignee: *See*—
Bedale, Paul W.
Bradbury, Tennyson F.
Griffith, Alan A.
Judson, Charles A.
Lombard, Adrian A., Oulianoff, and James.
Morley, Frederick W. W.
- Rolock, Incorporated, assignee: *See*—
Johnston, William A., and DeMattia.

- Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Street lighting luminaire. 2,474,326, June 28.
- Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Street lighting luminaire. 2,474,327, June 28.
- Romaine, Millard, and E. D. Vancil, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Variable-speed mechanism. 2,484,910, Oct. 18.
- Romaine, William, Jr., San Mateo, Calif. Detergent rubber compound and producing same. 2,466,826, Apr. 12.
- Roman, Charles, Miami, Fla. Refinishing old furniture. 2,488,068, Nov. 15.
- Roman, Floyd T., Three Rivers, Mass. Fish lure. 2,484,744, Oct. 11.
- Roman, John J., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,117, Dec. 20.
- Roman, John J., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,118, Dec. 20.
- Roman, John J., assignor to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,119, Dec. 20.
- Roman, John J., and M. K. Orton, assignors to American Seating Company, Grand Rapids, Mich. Retracting type theater chair. 2,492,116, Dec. 20.
- Roman, Randall, assignor to Caterpillar Tractor Co., Peoria, Ill. Master pin for endless track mechanism. 2,481,784, Sept. 13.
- Romander, Hugo, North Caldwell, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Oscillator generator. 2,462,903, Mar. 1.
- Romander, Hugo, North Caldwell, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Negative feedback amplifier. 2,480,163, Aug. 30.
- Romanello, Pasquale J.: See—
Gentile, Marino, and Romanello.
- Romano, Charles, and F. Schmid, Philadelphia, Pa. Razor honing and stropping mechanism. 2,471,355, May 24.
- Romano, Matthew J.: See—
Schultz, Oswald R., Nestle, and Romano.
- Romazon, August L., Rayville, Mo. Culinary implement. 2,486,496, Nov. 1.
- Rome, Joseph, Barre, Vt. Sand spreading and loading device. 2,458,031, Jan. 4.
- Rome Plow Company, assignee: See—
McKay, Augusta P.
- Romero, José M., and G. V. Glumer, Mexico City, Mexico. Mechanical riding toy. 2,476,915, July 19.
- Rometsch, Rudolf: See—
Miescher, Karl, and Rometsch.
- Romine, Joseph C., Detroit, Mich. Magnetic brake for reels. 2,465,932, Mar. 29.
- Rompb, Paul H., Detroit, Mich. Melting furnace. 2,490,161, Dec. 6.
- Romyns, Charles J., Lynbrook, N. Y. Movable multiple magazine unit for typesetting machines. 2,458,204, Jan. 4.
- Rona, Gustav G., assignor to Corona Enterprises, Inc., New York, N. Y. Decorative material for handbags. 2,483,236, Sept. 27.
- Ronai, Ernest, Woollahra, near Sydney, New South Wales, Australia. Variable transmission means. 2,480,968, Sept. 6.
- Ronci, Victor L.: See—
Jonas, Herbert C., Lalco, and Ronci.
- Ronci, Victor L., Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filament mounting assembly. 2,488,331, Nov. 15.
- Ronfeldt, Henry C., assignor to Toledo Stamping and Manufacturing Company, Toledo, Ohio. Engine rocker arm. 2,478,130, Aug. 2.
- Ronk, Samuel O., assignee: See—
Mace, Harry W.
- Ronne, Richard, assignee: See—
Shrader, Charles D.
- Ronning, Martin: See—
Korsmo, Alfred, and Ronning.
- Ronning, Martin, St. Louis Park, and K. M. Keith, Minneapolis, assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Baler wire cutting and holding means. 2,469,578, May 10.
- Ronning, Martin, St. Louis Park, and K. M. Keith, Minneapolis, assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Feed regulating means for baler tying mechanisms. 2,470,724, May 17.
- Ronning, Sverre, Brooklyn, N. Y. Heater for auto engines. 2,475,989, July 12.
- Ronny Mfg. Co., assignee: See—
Widetsky, Robert.
- Ronson Art Metal Works, Inc., assignee: See—
Burchett, Ray L.,
Burchett, Ray L., and Meyer,
Harris, Alexander,
Kaupmana, Frederick,
Meyer, Frederick,
Nissen, Warren I.
- Ronzl, Carl: See—
Elsasser, Otto, and Ronzl.
- Ronzzone, David B., assignor to Commonwealth Roofing Corporation, Wilmington, Del. Interlocking shingle. 2,486,326, Oct. 25.
- Ronzzone, Silvio E., Placerville, Calif., and N. Applezweig, New York, N. Y. Rectification of crude alkaloids. 2,481,537, Sept. 13.
- Rood, Alvin A., assignor to The Weatherhead Company, Cleveland, Ohio. Coupling. 2,479,702, Aug. 23.
- Rood, George A., Los Angeles, Calif. Pneumatically operated pump. 2,471,498, May 31.
- Roodner, Sylvia, New York, N. Y. Undergarment. 2,470,901, May 24.
- Roof, Earl, Pontiac, Ill. Mowing machine. 2,491,768, Dec. 20.
- Roof, Raymond B., Battle Creek, Mich. Magnetic stand with adjustable shunt. 2,492,238, Dec. 27.
- Roof, Robert M., Anderson, Ind. Outboard propeller drive. 2,486,574, Nov. 1.
- Roofe, Elmer L., Houston, Tex. Deep well pump. 2,464,347, Mar. 15.
- Rooke, Robert M.: See—
Huff, Harry A., Jr., and Rooke.
- Rooke, Robert M., Long Branch, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flame hardening of internal cylindrical surfaces. 2,482,937, Sept. 27.
- Rooke, Robert M., Long Branch, N. J., assignor to Air Reduction Company, Incorporated. Drag attachment for hand cutting torches. 2,486,575, Nov. 1.
- Rooney, George F., Jr., Cincinnati, Ohio. Applicator for particulate material. 2,467,097, Apr. 12.
- Roop, Harold D., Los Angeles, Calif. Ionization chamber. 2,458,099, Jan. 4.
- Roos, Charles J., Muskegon, Mich. Window washer's scaffold. 2,491,621, Dec. 20.
- Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle spring suspended half-axle for supporting steerable wheels. 2,461,775, Feb. 15.
- Roos, Delmar G., and W. F. Benning, assignors to Willys-Overland Motors, Inc., Toledo, Ohio. Power take-off mechanism. 2,464,059, Mar. 8.
- Roos, Leonard H., Burbank, assignor to Micro-Engineering Corporation, Los Angeles, Calif. Camera holder. 2,483,711, Oct. 4.
- Roos, Paul A.: See—
Lindgren, Nils, and Roos.
- Roos, Paul A., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reflecting surface replica. 2,482,598, Sept. 20.
- Roos, Walther, Basel, Switzerland. Dishlike container for dental drills and the like. 2,491,771, Dec. 20.
- Root, Anna M., and R. S. Hawkins, Philadelphia, Pa. Corset accessory. 2,462,996, Mar. 1.
- Root, Arthur M., Jr., Rutherford, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Heating device for melting rubberized bituminous compositions. 2,476,431, July 19.
- Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Inking mechanism for printing presses. 2,489,588, Nov. 29.
- Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Inking mechanism for printing presses. 2,489,589, Nov. 29.
- Root, Donald J.: See—
Lagerblade, Herbert C., and Root.
- Root, Elihu, III, Springfield, Vt., assignor to Research Corporation, New York, N. Y. Justifying typewriter. 2,484,649, Oct. 11.
- Root, John J., New York, N. Y. Combined moving coil loudspeaker and transformer. 2,478,642, Aug. 9.
- Root, John J., New York, N. Y. Electrical regulator. 2,486,882, Nov. 1.
- Root, John J., New York, N. Y. Temperature control. 2,489,049, Nov. 22.
- Root, John J., New York, N. Y. Electrical amplifying instrument. 2,492,537, Dec. 27.
- Root, Lin, Boston, Mass. assignor, by mesne assignments, of one-half to Burens Products, Inc., New York, N. Y. Pad and pocket therefor. 2,458,646, Jan. 11.
- Roots-Connersville Blower Corporation, assignee: See—
Houghton, Carl R.
Rathmann, Gilbert.
- Roovers, Wilhelmus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Exhausting and closing vessels. 2,476,387, July 19.
- Rope, Barton W.: See—
Johnson, George C., and Rope.
- Roper, Austin J., Vancouver, British Columbia, Canada. Geometrical sketching template. 2,487,673, Nov. 8.
- Roper, Richard F., Washington, D. C. Motor vehicle air conditioning apparatus. 2,480,510, Aug. 30.
- Ropp, Hillis A., Laurens, S. C. Stencil liner. 2,463,645, Mar. 8.
- Rorabaugh, Martha A., Wichita, Kans. Alarm clock actuated electric switch. 2,463,120, Mar. 1.
- Rorvik, Peter K., Missoula, Mont. Adjustable stand for Christmas trees. 2,484,186, Oct. 11.
- Rosa, Anthony G., Lyndhurst, N. J. Fountain pen. 2,472,343, June 7.
- Rosa, Esaú da Silva, Porto, Portugal. Pumping apparatus for deep wells. 2,480,969, Sept. 6.
- Rosaen, Borge, assignee: See—
Rosaen, Oscar E.

- Rosaen, Nils, assignee: *See*—
Rosaen, Oscar E.
- Rosaen, Oscar E., assignor of one-third to B. Rosaen and one-third to N. Rosaen, Detroit, Mich. Internal-combustion engine with variable compression ratio. 2,467,568, Apr. 19.
- Rosaire, Esme E., assignee: *See*—
Horvitz, Leo.
- Rosamilia, Peter L.: *See*—
Caplan, Solomon, and Rosamilia.
- Rosan, Joseph, North Hollywood, Calif. Thread lock for inserts. 2,492,536, Dec. 27.
- Rosche, John O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition responsive device. 2,464,944, Mar. 22.
- Rosche, John O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition responsive switch. 2,473,075, June 14.
- Rosche, John O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control apparatus with timing means. 2,490,095, Dec. 6.
- Roscoc, William H.: *See*—
Foulds, Robinson P., and Roscoe.
- Rose, Albert, East Orange, N. J., assignor to Radio Corporation of America. Manufacturing target electrodes. 2,473,220, June 14.
- Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Television pickup tube. 2,458,205, Jan. 4.
- Rose, Alexander D., Park Ridge, assignor to Jas. P. Marsh Corporation, Chicago, Ill. Retard gauge construction. 2,483,237, Sept. 27.
- Rose, Alexander D., Park Ridge, and B. Willach, assignors to Jas. P. Marsh Corporation, Chicago, Ill. Indicating gauge. 2,471,704, May 31.
- Rose, Andrew G.: *See*—
Webb, Jervis B., and Rose.
- Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Trolley conveyer bracket. 2,485,215, Oct. 18.
- Rose, Arthur: *See*—
Bird, Henry L., and Rose.
- Rose, Benjamin: *See*—
Rose, Samuel and B.
- Rose, Bessie A.: *See*—
Kilgore, Lee A., Godsey, Rose, and Powers.
- Rose, Bertha C., Boston, assignor to Rose-Derry Company, Newton, Mass. Combined sleeping bag and carrier for infants. 2,491,394, Dec. 13.
- Rose Brothers (Gainsborough) Limited, assignee: *See*—
Gilbert, Joseph A.
- Rose, Charles F. P., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable inductance device. 2,480,340, Aug. 30.
- Rose-Derry Company, assignee: *See*—
Rose, Bertha C.
- Rose, Edward H., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Universal gauge holder. 2,462,003, Feb. 15.
- Rose, Edward J., assignee: *See*—
Rose, Harry.
- Rose, Ernest, U. S. Navy. Relay tester. 2,478,945, Aug. 16.
- Rose, Ernest, U. S. Navy. Relay tester. 2,478,946, Aug. 16.
- Rose, Ernst, San Francisco, Calif. Shower head attachment. 2,485,112, Oct. 18.
- Rose, Francis L.: *See*—
Basford, Frederick R., Curd, and Rose.
Basford, Frederick R., Curd, Rose, Openshaw, Hull, and Todd.
Curd, Francis H. S., Landquist, Raison, and Rose.
Curd, Francis H. S., Raison, and Rose.
Curd, Francis H. S., Richardson, and Rose.
Curd, Francis H. S., and Rose.
- Rose, George M., Jr., East Orange, N. J., assignor to Radio Corporation of America. Electronic transducer. 2,491,391, Dec. 13.
- Rose, Harold C., Sturgis, S. Dak. Seat suspension for all implements. 2,489,981, Nov. 29.
- Rose, Harold J., and M. K. Rowan, Baton Rouge, La., assignors to Standard Oil Development Company. Butadiene emulsion polymerization process, including mercaptan and cyanide modifiers. 2,478,390, June 14.
- Rose, Harold J., and L. C. Price, Baton Rouge, La., assignor to Standard Oil Development Company. Coagulation of butadiene-acrylonitrile copolymers. 2,491,519, Dec. 20.
- Rose, Harry, Three Rivers, Mich., assignor, by mesne assignments, to E. J. Rose, Wilmington, Ohio. Heating apparatus. 2,463,908, Mar. 8.
- Rose, Harry E., Sr., North Hollywood, Calif. Mobile hand-controlled jig saw. 2,490,281, Dec. 6.
- Rose, Herbert A., Forest Hills, and D. L. Hopper, Wilkesburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric resistance vacuum furnace. 2,476,916, July 19.
- Rose, Joseph K.: *See*—
Robins, Jack B., and Rose.
- Rose, Joseph K., Chicago, Ill. Image display apparatus and cabinet having adjustable light shields. 2,482,031, Sept. 13.
- Rose, Kenneth E., Columbus, Ohio, assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn. Pattern materials. 2,469,611, May 10.
- Rose, Martin J., Alameda, Calif., assignor to A. C. Davis, East Haddam, Conn. Soldering tool. 2,477,467, July 26.
- Rose, Michael E., assignee: *See*—
Wheelock, Raymond.
- Rose, Morris, & Company Limited, assignee: *See*—
Nathan, Alfred.
- Rose, Morris E., Evergreen Park, Ill., assignor to Sonotone Corporation, Elmsford, N. Y. Amplifier hearing aid. 2,484,052, Oct. 11.
- Rose, Paul R.: *See*—
Walter, Harold J., and Rose.
- Rose, Robert C., Englefield Green, assignor to Alginate Industries Limited, Maidenhead, Berkshire, England. Manufacture of transparent alginic films. 2,485,512, Oct. 18.
- Rose, Samuel and B., New York, N. Y. Document-operated camera control. 2,478,641, Aug. 9.
- Rose, Sigmund P., Astoria, N. Y. Aerial toy. 2,464,720, Mar. 15.
- Rose, Walter D., Tulsa, Okla., assignor to Standard Oil Development Company. Photographic developing method and apparatus. 2,458,877, Jan. 11.
- Rosebaugh, Theodore W.: *See*—
Johnson, Ava J., and Rosebaugh.
- Rosebaugh, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Liquid air refrigerator. 2,479,866, Aug. 23.
- Rosebaugh, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Process and apparatus for refrigeration. 2,479,867, Aug. 23.
- Rosebrough, John D., assignor to American Blower Corporation, Detroit, Mich. Back tension drive. 2,469,004, May 3.
- Rosen, Joseph F., Chicago, Ill. Top. 2,464,994, Mar. 22.
- Rosefield, Marvin J.: *See*—
Kuehn, Jack W., and Rosefield.
- Roselius, Louis W., Lake Success, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Partitions for containers. 2,464,154, Mar. 8.
- Roselle, Walter A., New York, N. Y. Container. 2,473,391, June 14.
- Roseman, Leo, Newark, N. J. Bobbin winding and thread treating apparatus. 2,477,422, July 26.
- Rosen, Al, Brooklyn, N. Y. Collapsible hanger. 2,462,778, Feb. 22.
- Rosen, Arthur, assignee: *See*—
Rosen, Paul.
- Rosen, Carl G. A., and R. P. Van Zandt, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Piston. 2,483,674, Oct. 4.
- Rosen, Edward E., assignee: *See*—
West, John W.
- Rosen, Henri E., Brookline, Mass. Watertight watch. 2,463,315, Mar. 1.
- Rosen, Leo, United States Army, Arlington, Va. Counting apparatus. 2,463,112, Apr. 26.
- Rosen, Leo, U. S. Army, Arlington County, Va. Electrical apparatus. 2,477,008, July 26.
- Rosen, Leo, United States Army, South Arlington, Va. Telautograph system. 2,462,904, Mar. 1.
- Rosen, Leonard J.: *See*—
Bartlett, Paul D., Dauben, Jr., and Rosen.
Seymour, George W., White, and Rosen.
- Rosen, Milton W., and C. H. Hoeppner, Washington, D. C. Gate suppressing linear response amplifier. 2,459,181, Jan. 18.
- Rosen, Paul, West Orange, N. J. Mousetrap. 2,475,462, July 5.
- Rosen, Paul, assignor of fifty per cent to A. Rosen and fifty per cent to A. Gendel, West Orange, N. J. Sanitary mousetrap. 2,485,319, Oct. 18.
- Rosen, Raphael, Elizabeth, and W. J. Sparks, Westfield, N. J., assignors to Standard Oil Development Company. Lubricants. 2,468,516, Apr. 26.
- Rosen, Shy, New York, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Manufacturing composite commodity wrappers. 2,475,052, July 5.
- Rosen, Shy, New York, N. Y., assignor to Milprint, Inc., Milwaukee, Wis. Reclosable bread package having tear strip and reinforcing member. 2,476,564, July 19.
- Rosen, Shy, U. S. Army, Washington, D. C. Roller printer for conveyers. 2,471,452, May 31.
- Rosenau, Ila E., Seattle, Wash. Rainproof headwear. 2,462,679, Feb. 22.
- Rosenbarger, Clifford W., Indianapolis, Ind. Cigarette case with clip fastener. 2,472,344, June 7.
- Rosenbaum, Eugene J., Lansdowne, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for continuous analysis of fluid mixtures. 2,468,638, Apr. 26.
- Rosenberg, David S.: *See*—
Sconce, James S., Rosenberg, and Johnson.
- Rosenberg, Edward F.: *See*—
Kantor, James, and Rosenberg.
- Rosenberg, Frederick, London, assignor to Suffolk Iron Foundry (1920) Ltd., Stowmarket, England. Blowpipe. 2,481,950, Sept. 13.

- Rosenberg, George, New York, and L. Spiselman, Brooklyn, N. Y. Picture frame having pivoted cornerpieces. 2,471,545, May 31.
- Rosenberg, Hans R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mussel provitamin D and process. 2,475,917, July 12.
- Rosenberg, Isadore W., Chicago, Ill. Wired brassiere. 2,480,049, Aug. 23.
- Rosenberg, Jacob E., assignor to Homelaya, Inc., Pittsburgh, Pa. Vitreous coating. 2,466,043, Apr. 5.
- Rosenberg of Michael, Albert, Baltimore, Md. Cross-tie and cleat therefor. 2,482,599, Sept. 20.
- Rosenberg, Paul, Brookline, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Reflecting device. 2,461,181, Feb. 8.
- Rosenberg, Paul, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Combined coaxial and crystal holder. 2,479,264, Aug. 16.
- Rosenberg, Paul, Larchmont, assignor to J. A. Carter, New York, N. Y. Prompting system. 2,475,641, July 12.
- Rosenberg, Paul, Brookline, and R. L. Garman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Reflector. 2,480,199, Aug. 30.
- Rosenberg, Philip, assignor to Universal Steel Equipment Corporation, New York, N. Y. Joint bar for sectional tables. 2,481,350, Sept. 6.
- Rosenberg, Samuel, and S. Padwe, Newark, N. J. Imbedded metal band. 2,458,645, Jan. 11.
- Rosenberg, Solomon, Los Angeles, Calif. Garment hanger. 2,490,475, Dec. 6.
- Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Density measuring apparatus. 2,459,542, Jan. 18.
- Rosenberry, William W.: *See—*
Bonthron, Robert J., and Rosenberry.
- Rosenblad Corporation, assignee: *See—*
Grewin, Fredrik W., and Lindberg.
Tyden, Arnold E.
- Rosenblatt, Edgar F., East Orange, assignor to Baker & Company, Inc., Newark, N. J. Producing a supported platinum metal catalyst. 2,475,155, July 5.
- Rosenblatt, Maurice C., New York, N. Y. Ear protector with adjustable anchoring means. 2,476,224, July 12.
- Rosenblatt, Maurice C., New York, N. Y. Acoustic device. 2,492,183, Dec. 27.
- Rosenblatt, Pauline E., Cleveland, Ohio. Maternity suspenders. 2,477,828, Aug. 2.
- Rosenblatt, Pauline E., Cleveland, Ohio. Girdle holder. 2,477,829, Aug. 2.
- Rosenbloom, Harry, Detroit, Mich. Machine tool support. 2,469,079, May 3.
- Rosenbloom, William J.: *See—*
Cook, Lucien H., and Rosenbloom.
- Rosenblum, Harold: *See—*
Blackman, Seymour N., and Rosenblum.
- Rosenblum, Jacob, Crescent Park, assignor of one-fourth to H. Trattner, Audubon, and one-fourth to R. L. Siris, Camden, N. J. Oil vaporizer. 2,483,937, Oct. 4.
- Rosenblum, Robert A., assignor to The Dole Valve Company, Chicago, Ill. Flow control means and method. 2,489,542, Nov. 29.
- Rosenblum, Robert A., assignor to The Dole Valve Company, Chicago, Ill. Flow control device. 2,489,932, Nov. 29.
- Rosenfeld, Abraham L., assignee, trustee: *See—*
Apgar, Charles W., and Rosenfeld.
- Rosenfeld, George, Elizabeth, N. J. Garment. 2,481,351, Sept. 6.
- Rosengren, Swan N., Seattle, Wash. Toolhead retainer. 2,470,865, May 24.
- Rosenkrantz, Isaac F., Greenbelt, Md. Breech loading mortar. 2,484,053, Oct. 11.
- Rosenmund, Alfred L., Woodport, N. J., assignor to Stapling Machines Co. Boxmaking machine. 2,482,370, Sept. 20.
- Rosenmund, Alfred L., deceased, by T. C. Rosenmund, administratrix, Woodport, N. J., assignor to Stapling Machines Co. Box-stapling machine. 2,482,371, Sept. 20.
- Rosenmund, Theresa C., administratrix: *See—*
Rosenmund, Alfred L.
- Rosenow, Albert, Evergreen Park, Ill. Indicator attachment for machine tools. 2,462,226, Feb. 22.
- Rosenqvist, Sven O., Rotebro, Sweden, assignor to Svenska Jästfabriks Aktiebolaget. Production of yeast. 2,460,947, Feb. 8.
- Rosenthal Adolph H., assignor to Scopphony Corporation of America, New York, N. Y. Television cabinet with removable screen controlling focusing system. 2,469,992, May 10.
- Rosenthal, Adolph H., assignor to Socophony Corporation of America, New York, N. Y. Apparatus for reproducing electric signals, particularly television reproducers. 2,472,988, June 14.
- Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Directed beam high-frequency oscillator. 2,479,084, Aug. 16.
- Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Device for dispensing liquid fuel into combustion air of furnaces. 2,481,620, Sept. 13.
- Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Light modulation by cathode-ray orientation of liquid-suspended particles. 2,481,621, Sept. 13.
- Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Cathode-ray tube with photo-dichroic ionic crystal light modulating screen. 2,481,622, Sept. 13.
- Rosenthal, Frank, New York, N. Y. Magazine lipstick case. 2,485,320, Oct. 18.
- Rosenthal, Fred S., Chicago, Ill. Amusement device. 2,486,981, Nov. 1.
- Rosenthal, Fritz, Crescent Park, Bellmawr, N. J., assignor to Radio Corporation of America. Copolymers of styrene and 4,4'-divinyl-biphenyl. 2,462,555, Feb. 22.
- Rosenthal, Fritz, Crescent Park, Borough of Bellmawr, N. J., assignor to Radio Corporation of America. Resinous copolymers of styrene and 2,5,2',5'-tetrachloro-4,4'-divinyl-biphenyl. 2,465,122, Mar. 22.
- Rosenthal, Fritz, Crescent Park, Bellmawr, N. J., assignor to Radio Corporation of America. Preparation of 4,4'-divinyl-biphenyl. 2,465,486, Mar. 29.
- Rosenthal, Fritz, Gloucester City, N. J., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Thermosetting phenolic molding compositions. 2,470,322, May 17.
- Rosenthal, Hyman: *See—*
Lipson, Samuel, Rosenthal, and Markus.
- Rosenthal, Miriam J., assignee: *See—*
Churchwell, Ernest R.
- Rosenthal, Morris, assignee: *See—*
Magee, Earl E.
- Rosenthal, Walter, New York, N. Y. Dropping funnel. 2,462,556, Feb. 22.
- Rosenthal, William C., and R. C. Boyle, Chicago, Ill., assignors to International Harvester Company. Auxiliary power take-off for tractors. 2,488,741, Nov. 22.
- Rosenwald, Robert H., Western Spring, assignor to Universal Oil Products Company, Chicago, Ill. Separation of alkyl-alkoxyphenol mixtures. 2,459,540, Jan. 18.
- Rosenwald, Robert H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of phenols. 2,470,902, May 24.
- Rosenwald, Robert H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of phenols. 2,477,091, July 26.
- Rosenzweig, Siegfried, New York, N. Y. Machinery base. 2,464,613, Mar. 15.
- Rosenzweig, Siegfried, New York, N. Y. Vibroisolator. 2,466,480, Apr. 5.
- Rosher, Ronald, assignor to Hercules Powder Company, Wilmington, Del. N-substituted carbamates. 2,492,938, Dec. 27.
- Roshong, Raymond G., North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill. Fluid seal. 2,479,265, Aug. 16.
- Rosický, Jan, assignor to Spojene Farmaceuticke Zavody, Narodni Podnik, Prague, Czechoslovakia. Derivatives of the benzotetronic acid and manufacturing same. 2,482,510, Sept. 20.
- Rosický, Jan, assignor to Spojene Farmaceuticke Zavody, Narodni Podnik, Prague, Czechoslovakia. Manufacturing bis-4-hydroxy-coumarin esters. 2,482,511, Sept. 20.
- Rosický, Jan, Prague, and K. Fučík, Prague-Modraný, assignors to Spojene Farmaceuticke Zavody, Narodni Podnik, Prague, Czechoslovakia. Manufacturing 3,3'-carboxymethylenebis-(4-hydroxy-coumarin) compounds for the reduction of the prothrombin level. 2,482,512, Sept. 20.
- Rosiello, Frank, Bronx, N. Y. Combined comb and hair curler. 2,458,426, Jan. 4.
- Rosin, Nathaniel L.: *See—*
Mauric, Gerhard, Green, and Rosin.
- Rosin, Paul O.: *See—*
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Rosin, Seymour, and G. M. Cressaty, New York, N. Y.; said Rosin assignor to said Cressaty. Unitary lens unit. 2,469,080, May 3.
- Rosing, Borge, assignor to West Virginia Steel and Manufacturing Company, Huntington, W. Va. Parking meter mounting. 2,487,731, Nov. 8.
- Rosing, Theodore F., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Lockable push-button device. 2,484,424, Oct. 11.
- Roske, Milton H., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for inserting and fastening in shoe uppers individual thermoplastic lacing elements. 2,478,057, Aug. 2.
- Rosmalt, John A., Appleton, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Paper pulp agitator. 2,470,267, May 17.
- Rosman, Joseph T., Groveport, Ohio. Load-actuated friction brake. 2,492,816, Dec. 27.
- Rosner, Irving, assignor to Even-Pul Foundations, Inc., New York, N. Y. Foundation garment. 2,466,867, Apr. 12.

- Rosner, Michael W., St. Paul, Minn. Electric plug. 2,476,510, July 19.
- Ross, Albert M., Westmont, assignor of one-half to W. S. Gilpin, La Grange, and one-half to National Cylinder Gas Company, Chicago, Ill. Welding wire. 2,464,186, Mar. 8.
- Ross, Allen R., Renton, Wash. Ladder. 2,485,413, Oct. 18.
- Ross, Allen R., Seattle, Wash. Extension cord connection lock. 2,464,893, Mar. 22.
- Ross, Arthur E., assignor to Cook Electric Company, Chicago, Ill. Pressure switch. 2,471,838, May 31.
- Ross, Donald, London, England. Electric welding of metal strip. 2,488,101, Nov. 15.
- Ross, Donald E., Ocean Beach, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Underwater transducer. 2,473,971, June 21.
- Ross, Donald E., Eagle Rock, and W. E. Stofor, North Hollywood, assignors to H. S. Heller, Los Angeles, Calif. Interchangeable magnetic transducer and switching system. 2,468,782, May 3.
- Ross, Edward C., Jr., Camden, N. J., assignor to Radio Corporation of America. Support for pilot lamps. 2,465,753, Mar. 29.
- Ross, Elliott P., Forest Hills, N. Y., assignor to The Sperry Corporation. Instrument for controlling the firing of ordnance. 2,478,839, Aug. 9.
- Ross, Elliott P., Forest Hills, N. Y., assignor to The Sperry Corporation. Rate generating mechanism. 2,481,039, Sept. 6.
- Ross, Elmer R.: *See*—
Heyart, Charles P., and Ross.
- Ross Gear and Tool Company, assignee: *See*—
Creson, William K.
- Ross, Harold D., Jr., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Induction brazing apparatus. 2,484,650, Oct. 11.
- Ross Heater & Manufacturing Co., Inc., assignee: *See*—
Tinker, Townsend.
- Ross, Hollis R., assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Adjustable chair or the like. 2,480,773, Aug. 30.
- Ross, Howard S.: *See*—
Mufich, Frank J., and Ross.
- Ross, Howard S., Beverly Hills, Calif. Bait receptacle. 2,484,122, Oct. 11.
- Ross, Jack S., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Composition of matter and making same. 2,481,879, Sept. 13.
- Ross, John: *See*—
Dreger, Emil E., and Ross.
- Ross, Josiah, Sunnyside, Long Island, N. Y. Grenade mortar and adapter. 2,459,182, Jan. 18.
- Ross, Kenneth B., Chicago, Ill. Permeability tuned transformer. 2,461,397, Feb. 8.
- Ross, Kenwood: *See*—
Prentice, James M., Umbach, and Ross.
- Ross, Malcolm D., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotor ventilation for turbogenerators. 2,459,586, Jan. 18.
- Ross, Mark, Los Angeles, Calif. Shredding machine. 2,464,993, Mar. 22.
- Ross, Milburn M., Wichita, Kans. Commutator resurfacing and dressing tool assembly. 2,492,596, Dec. 27.
- Ross, Norman S., Glen Ellyn, Ill., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,464,099, Mar. 8.
- Ross, Walter C. J., London England. Manufacture of derivatives of etiocholic acid. 2,470,903, May 24.
- Ross, Walter F., Northville, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Gear grinding and lapping machine. 2,482,800, Sept. 27.
- Ross, Walter G., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Inflatable door sealing system. 2,469,131, May 3.
- Ross, William A., assignor of one-half to P. F. Gronnert, Portland, Oreg. Scribing instrument. 2,491,770, Dec. 20.
- Ross, William A., assignor to Weaver Manufacturing Company, Springfield, Ill. Load-lifting appliance. 2,471,901, May 31.
- Ross, William P. V., Battle Creek, Mich., assignor, by mesne assignments, to Goss Printing Press Company, Chicago, Ill. Drive for impression cylinders of matrix rollers. 2,466,968, Apr. 12.
- Rossell, William T., assignor to Transit Research Corporation, New York, N. Y. Armrest and stanchion. 2,470,649, May 17.
- Rossheim, David B., Teaneck, N. J., F. A. Fichtmueller, Staten Island, N. Y., and J. M. Schenk, Glen Ridge, assignors to The M. W. Kellogg Company, Jersey City, N. J. Bending thin walled thermoplastic bodies, including tubes. 2,480,774, Aug. 30.
- Rossi, Bruno B.: *See*—
Allen, James S., and Rossi.
- Rossi, Carlo, assignor to Ciba Limited, Basel, Switzerland. Removing corrosion products from surfaces containing heavy metals. 2,472,684, June 7.
- Rossi, Carlo, Basel, Switzerland, assignor to Ciba Limited. Compositions of matter suitable for removing heavy metal oxides or water-insoluble heavy metal salts. 2,488,832, Nov. 22.
- Rossi, Irving, West Orange, N. J. Method and apparatus for the continuous casting of metal tubes. 2,473,221, June 14.
- Rossi, Jennie B., administratrix: *See*—
Rossi, John D.
- Rossi, John D., Vineland, N. J., J. B. Rossi, administratrix of said J. D. Rossi, deceased. Adjustable action fishing rod. 2,478,131, Aug. 2.
- Rossignol, Charles A. P., and P. M. J. S. de Giacomoni, Paris, France, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,482,513, Sept. 20.
- Rossin, Elmer H.: *See*—
Powers, Donald H., and Rossin.
- Rossman, Allen M., Wilmette, Ill. Pneumatic power unit. 2,486,982, Nov. 1.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,458,206, Jan. 4.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Piston for hydraulic shock absorbers. 2,467,098, Apr. 12.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulic buffer. 2,469,275, May 3.
- Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Sediment trap for hydraulic shock absorbers. 2,469,276, May 3.
- Rossman, Joseph, Washington, D. C., assignor to United States Gasket Company, Camden, N. J. Gasket centering means. 2,474,790, June 28.
- Rossman, Raymond P., North Scituate, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of formaldehyde and apparatus therefor. 2,467,993, Apr. 19.
- Rossmann, Peter F., assignee: *See*—
Rath, Karl.
- Rossmann, Peter F., Summit, N. J., and K. Rath, New York, N. Y. Photoelectric camera exposure control apparatus having planetary gears and concentric camera lens. 2,467,946, Apr. 19.
- Rossmann, Peter F., Morristown, N. J., and K. Rath, New York, N. Y. Sound motion-picture film. 2,479,868, Aug. 23.
- Rossmann, Peter F., Morristown, N. J., and K. Rath, New York, N. Y. Making sound picture films. 2,479,869, Aug. 23.
- Rossoff, Arthur L., Richmond Hill, assignor to Universal Electronic Laboratories, Inc., New York, N. Y. High-speed precision limit bridge arrangement and method. 2,474,692, June 28.
- Rossov, Robert, Culver, Ind. Golf club carrier. 2,482,372, Sept. 20.
- Rost, Helge F., Djursholm, K. H. Thunell, Nockeby, S. D. Vigren, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Radio direction finder. 2,484,651, Oct. 11.
- Rost, Richard L.: *See*—
Vernier, George B., and Rost.
- Rostoker, Louis, assignor to D. Esser, Toronto, Ontario, Canada. Switch mechanism for signal lights and the like. 2,461,236, Feb. 8.
- Rosvall, Frank D., Worcester, Mass. Magazine pistol safety and cocking mechanism. 2,460,598, Feb. 1.
- Roswell, Charles A., Relay, Md., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,509,3, Mar. 22.
- Rotary Lift Company, assignee: *See*—
Joseph, Lawrence F.
- Rotary Machine Company, Inc., assignee: *See*—
Christiansen, Christian.
- Rota-Seal Inc., assignee: *See*—
Bolin, Leonard M.
- Rotax Limited, assignee: *See*—
Arnot, Alfred R. E.
Baines, John A.
Hendry, Norman, and Laird.
Millus, Terence W.
Tatlow, Percy.
- Rote, John G., Jr., Rahway, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Container closure. 2,476,627, July 19.
- Rote, Theodore H.: *See*—
Hull, Henry E., and Rote.
- Roters, Herbert C., Kew Gardens, assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y. Hysteresis motor control system and operation. 2,458,100, Jan. 4.
- Roters, Herbert C., Kew Gardens, N. Y., assignor to Fairchild Camera and Instrument Corporation. Impulse motor synchronizing system. 2,482,290, Sept. 20.
- Roters, Herbert C., Roslyn, N. Y., assignor to Fairchild Camera and Instrument Corporation. Impulse motor. 2,472,621, June 7.
- Roters, Herbert C., Roslyn, assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y. Manufacturing dynamoelectric machines. 2,483,024, Sept. 27.
- Roth, Aaron, Brooklyn, N. Y. Vertically adjustable attachment for bifocal spectacles. 2,486,881, Nov. 1.
- Roth, Albert W., Tulsa, Okla. Roof venturi for fans. 2,466,827, Apr. 12.
- Roth, Andrew, assignor to Bunting Glider Company, Philadelphia, Pa. Combination table and footrest. 2,460,148, Jan. 25.

- Roth, Andrew, assignor to Bunting Glider Company, Philadelphia, Pa. Chair construction. 2,464,995, Mar. 22.
- Roth, Barbara: *See*—
Smith, James M., Jr., and Roth.
- Roth, Benjamin, Bridgeport, Conn. Handbag with inner pivotally aligned purses. 2,490,651, Dec. 6.
- Roth, Bert W., Riverdale, N. Y., and J. R. Robertella, Lyndhurst, N. J., assignors to Trans-Lux Corporation, New York, N. Y. Printing telegraph system. 2,490,476, Dec. 6.
- Roth, Frank F., Jr., Philadelphia, Pa. Fixture for hardening dies. 2,459,183, Jan. 18.
- Roth, Herman P., Redondo Beach, and W. H. Warstler, Inglewood, assignors to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. Isobaric control valve. 2,485,113, Oct. 18.
- Roth, Jack L., Cincinnati, assignor to Roth, Rauh & Heckel, Inc., Ripley, Ohio. Sock lining. 2,491,280, Dec. 13.
- Roth, Jay M., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump, by-pass valve assembly. 2,460,397, Feb. 1.
- Roth, Jay M., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Ball type pressure relief valve. 2,470,372, May 17.
- Roth, Jay M., Euclid, and W. C. Mahler, assignors to Thompson Products, Inc., Cleveland, Ohio. Pump bearing and seal assembly lubrication. 2,469,846, May 10.
- Roth, Lucy M., Kiefer, Okla. Apparatus for cutting and baking. 2,490,545, Dec. 6.
- Roth, Max, Brooklyn, N. Y. Expandable brassière cup. 2,465,171, Mar. 22.
- Roth, Nicholas J., Trenton, N. J. Poultry roost. 2,478,596, Aug. 9.
- Roth, Norbert, assignee: *See*—
Gregor, Fred.
- Roth, Rauh & Heckel, Inc., assignee: *See*—
Roth, Jack L.
- Rothchild, Edward S.: *See*—
Hamilton, Roy C., and Rothchild.
- Rothe, Frank, Niagara Falls, N. Y., assignor to The Linde Air Products Company. Blanketed electric welding with a fusible trough to support the comminuted mineral composition above the bottom of the welding zone. 2,459,242, Jan. 18.
- Rothe, Lloyd B.: *See*—
Steiner, Arnold B., and Rothe.
- Rothe, Walter F., Washington, D. C. Mailbag. 2,468,897, May 3.
- Rothenberg, Irving: *See*—
Kagen, Simon, Rothenberg, and Gurewitz.
- Rothenberg, James H., Minneapolis, Minn. Internal combustion engine. 2,465,270, Mar. 22.
- Rothery, Albert, Springfield, Mass. Cushion. 2,462,004, Feb. 15.
- Rothfuchs, Alfred, Zurich, Switzerland. Junction box for electric lines. 2,474,328, June 28.
- Rothfus, Truman C., Des Moines, Iowa. Leak detector. 2,458,101, Jan. 4.
- Rothman, Max I., Hollis, N. Y., and G. Shapiro, Asbury Park, N. J., assignors to the United States of America as represented by the Secretary of War. Wave measuring system. 2,478,208, Aug. 9.
- Rothmoor Corporation, assignee: *See*—
Michel, Morris.
- Rothrock, Henry S.: *See*—
MacDonald, Robert N., and Rothrock.
- Rothrock, Henry S., and W. J. Wayne, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fatty oil acid glyceride-vinyl resin coating compositions. 2,479,410, Aug. 16.
- Rothrock, James G., Everett, Wash. Clothes-drying rack. 2,469,208, May 3.
- Rothstein, Jerome, Belmar, N. J. Piezometric thermionic tube. 2,474,280, June 28.
- Rothstein, Jerome, Belmar, N. J. Contamination control. 2,486,436, Nov. 1.
- Rothstein, Jerome, Belmar, N. J. Cathode anticontamination structure. 2,490,096, Dec. 6.
- Rothwell, John J., and P. Schell, Elkhart, assignors to Penn Electric Switch Co., Goshen, Ind. Primary control for burners. 2,481,040, Sept. 6.
- Rothwell, Peter, Kenmore, N. Y. Method and means for producing dental bridgework. 2,486,327, Oct. 25.
- Rotol Limited, assignee: *See*—
Fairhurst, Leonard G.
- Roto-Matic Screen Printer, Ltd., assignee: *See*—
Fleisher, Harry, and Tillett.
- Rotor Tool Company, The, assignee: *See*—
Sturrock, James.
- Rott, Richard A., Madison, Wis. Cabinet defrosting device. 2,487,674, Nov. 8.
- Rottschaefer, Bernard W., East Greenbush, assignor to General Aniline & Film Corporation, New York, N. Y. Purification of carbazole. 2,459,135, Jan. 11.
- Rottschaefer, Bernard W., East Greenbush, assignor to General Aniline & Film Corporation, New York, N. Y. Dealkylation of alkoxyaryls. 2,490,601, Dec. 6.
- Rouan, Francis J.: *See*—
Bernart, William F., Jr., Rouan, Ford, and Thatcher.
- Rouan, Francis J., Stamford, Conn., and W. J. Hanson, Port Chester, N. Y., assignors to Pitney-Bowes, Inc., Stamford, Conn. Stamp issuing mechanism. 2,475,804, July 12.
- Rouan, Francis J., Stamford, Conn., and W. J. Hanson, Port Chester, N. Y., assignors to Pitney-Bowes, Inc., Stamford, Conn. Register actuating device. 2,488,143, Nov. 15.
- Rouan, Francis J., Stamford, Conn., and W. J. Hanson, Port Chester, N. Y., assignors to Pitney-Bowes, Inc., Stamford, Conn. Register wheel setting means. 2,491,214, Dec. 13.
- Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Deformable wear face to backing connection for crusher plates. 2,465,607, Mar. 29.
- Roughsedge, Robert H.: *See*—
Fuhrer, Raymond A., Roughsedge, and Lustig.
- Round Root Corporation, assignee: *See*—
Vander Clute, William W.
- Rounds, Gale A., assignor of one-half to I. E. Landstrom, Rapid City, S. Dak. Self-locking separable fastener. 2,487,895, Nov. 15.
- Rounds, Kenneth S., and R. W. Gerlach, assignors to Gender, Paeschke & Frey Co., Milwaukee, Wis. Latching device for collapsible stands for ironing boards. 2,464,894, Mar. 22.
- Rountree, John H.: *See*—
Bucknam, James H., and Rountree.
- Roup, Roland R., assignor to Globe-Union Inc., Milwaukee, Wis. Electric circuit unit. 2,461,658, Feb. 15.
- Rourke, Raymond: *See*—
Catlin, Louis F., Sr., Rourke, and Catlin.
- Rouse, Edward H., Minneapolis, Minn. Adjustable pitch propeller. 2,477,944, Aug. 2.
- Rouse, Glenn F., Long Branch, N. J. Cathode. 2,459,841, Jan. 25.
- Rouse, John H., Los Angeles, Calif. Control system for fluid pressure servomotors. 2,464,945, Mar. 22.
- Rouse, Justin C., Port Huron, Mich. Clothesline tension control. 2,486,983, Nov. 1.
- Rouse, William H., Greenfield, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor drive. 2,461,659, Feb. 15.
- Roush, James L., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Attachment for milling machines. 2,462,997, Mar. 1.
- Roush, Richard J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrical capacitor and making it. 2,476,455, July 19.
- Roush, William P., Pittsburgh, Pa. Making a phenolic resin metal containing molding composition. 2,488,332, Nov. 15.
- Rousseau, Edward, Jewett City, Conn. Dual combustion system for combustion tube burners. 2,464,895, Mar. 22.
- Rousseau, Johannes J., assignor of one-half to C. F. van Heerden, Capetown, South Africa. Automatic door bolt. 2,481,154, Sept. 6.
- Rousseau, Leo J., Grosse Pointe, assignor to Minit-Man, Inc., Detroit, Mich. Vehicle wheel washing apparatus. 2,490,921, Dec. 13.
- Rousselle, Edward L., Benton Harbor, Mich. Lamp shade. 2,475,405, July 5.
- Roussio, Jacques, Los Angeles, Calif. Towel-holding and storing means. 2,483,153, Sept. 27.
- Roussio, Jacques, Los Angeles, Calif. Towel rack. 2,487,896, Nov. 15.
- Routen, Joseph S., Wollaston, Mass. Range oil burner apparatus. 2,483,740, Oct. 4.
- Roux, Fernand, Tulle, France. Metallic wheel with rubber tires. 2,464,348, Mar. 15.
- Rouy, Auguste L. M. A., New York, N. Y. Caloric adjusting. 2,471,123, May 24.
- Rouy, Auguste L. M. A., New York, N. Y. Colorimeter. 2,477,208, July 26.
- Rouy, Auguste L. M. A., New York, N. Y. Colorimeter. 2,477,209, July 26.
- Rouy, Auguste L. M. A., New York, N. Y., assignor to L. L. H. Company, Erie, Pa. Electrostatic measurement of high-frequency voltage. 2,482,801, Sept. 27.
- Rovensky, John E., Greenwich, Conn. Internal-combustion engine, cooling of cylinder head. 2,478,548, Aug. 9.
- Rover Company Limited, The, assignee: *See*—
Boyle, William R.
- Rover, Richard H., Roselle, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Insulating blanket. 2,460,848, Feb. 8.
- Rovick, John D., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Rotary stock removing method and apparatus. 2,484,314, Oct. 11.
- Rovito, Frank X.: *See*—
Charlton, Ralph W., and Rovito.
- Rovnak, George J., Campbell, Ohio. Telephone holder and receiver lifter. 2,490,709, Dec. 6.
- Rowan, Albert J., Pawtuxet, R. I., assignor to Taunton Pearl Works. Collar holder. 2,492,239, Dec. 27.
- Rowan, Marian K.: *See*—
Rose, Harold J., and Rowan.
- Rowan, Maurice, Richmond Hill, N. Y. Safety thermostatic control for gaseous burners. 2,470,268, May 17.
- Rowan, Peyton, Anniston, Ala. Shaving brush heating means. 2,461,776, Feb. 15.
- Rowan, Timothy J.: *See*—
Dyer, John R., Jr., and Rowan.

- Rowe, Clement J., Dayton, Ohio. Fastener stud retaining means. 2,463,564, Mar. 8.
- Rowe, George A.: *See—*
Haddock, Norman H., Jones, Parkinson, and Rowe.
- Rowe Industries, assignee: *See—*
De Armond, Harry.
- Rowe, Leonard R.: *See—*
Lewis, Richard W., and Rowe.
- Rowe, Marion H., Dallas, Tex. Making vulcanizing patches. 2,491,281, Dec. 13.
- Rowe, Marion H., Dallas, Tex. Apparatus for making patches. 2,491,282, Dec. 13.
- Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Damper operating mechanism for electric percussion instruments. 2,484,745, Oct. 11.
- Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Electronic means providing tremolo for electrically operated musical instruments. 2,485,538, Oct. 18.
- Rowe, Percy J., Hubbell, assignor to Lake Chemical Company, Calumet, Mich. Production of cuprous hydroxide and cuprous oxide. 2,474,497, June 28.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch actuator. 2,460,599, Feb. 1.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,465,933, Mar. 29.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch unit. 2,468,235, Apr. 26.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch actuating mechanism. 2,468,463, Apr. 26.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Actuating mechanism for enclosed switches. 2,475,338, July 5.
- Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Quick make and break switch. 2,479,266, Aug. 16.
- Rowe, Richard G., New Haven, and G. B. Bona, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Forming endless belts useful as sound recording media. 2,464,060, Mar. 8.
- Rowe, Robert F., Fort Wayne, Ind., assignor to General Electric Company. Electric ballast. 2,477,132, July 26.
- Rowe, Robert G., Niagara Falls, N. Y. Magnetic field responsive device. 2,474,693, June 28.
- Rowe, Robert G., assignor to The Carborundum Company, Niagara Falls, N. Y. Vibration apparatus for testing articles. 2,486,984, Nov. 1.
- Rowe, William L., assignor to Johns-Manville Corporation, New York, N. Y. Self-aligning shingle. 2,487,593, Nov. 8.
- Rowe, William W., Cincinnati, assignor to Cincinnati Industries, Inc., Lockland, Ohio. Making waterproof and moisture-vapor proof packages. 2,476,325, July 19.
- Rowedder, William, New York, N. Y. Twisting means. 2,481,538, Sept. 13.
- Rowell, John J.: *See—*
Obszarny, Theodore, and Rowell.
- Rowlain, Lonnie W., assignee: *See—*
Haynes, Quinton.
- Rowland, Ben W.: *See—*
Knight, George D., and Rowland.
- Rowland, Frederick T., Grosse Pointe, Mich., assignor to Standard Steel Spring Company, Coraopolis, Pa. Spring suspension for vehicles. 2,460,106, Jan. 25.
- Rowland, George D., Dearborn, and H. J. Morris, Wayne, assignors to Ford Motor Company, Dearborn, Mich. Independent front wheel suspension. 2,469,244, May 3.
- Rowland, Kathleen J.: *See—*
Fawcett, Eric W. M., Narracott, and Rowland.
- Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Phthalein-aldehyde ion-exchange resins and preparing same. 2,480,970, Sept. 6.
- Rowley, Derrick, London, H. Steiner, Eccles, and E. Zimkin, Sale, assignors to Petrocarbon Limited, London, England. Solvent extraction of penicillin. 2,482,938, Sept. 27.
- Rowley, Robert D., Narrows, Va., assignor to Celanese Corporation of America. Higher cellulose esters. 2,475,678, July 12.
- Rowley, Robert D., and R. F. Thompson, Narrows, Va., assignors to Celanese Corporation of America. Ripening cellulose esters. 2,461,572, Feb. 15.
- Roy, Arthur C.: *See—*
Long, Orville J., and Roy.
- Roy, Gustave J.: *See—*
Paul, Raymond and Roy.
- Roy, Leo, Troy, N. Y. Guide for paper rolling machines. 2,492,713, Dec. 27.
- Roy, Louis P., Montreal, Quebec, Canada. Replacement door handle. 2,461,085, Feb. 8.
- Roy, Maurice, La Reine, Quebec, Canada. Portable electric air pump. 2,465,554, Mar. 29.
- Royal, James M., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Metal sheet stacking apparatus. 2,492,889, Dec. 27.
- Royal, John M., Bristol, Conn. Automobile door locking device. 2,466,481, Apr. 5.
- Royal Patent Corporation, assignee: *See—*
Durant, Lyndon A.
- Royal, Robert R., and W. E. Bell, Paducah, Ky. Valve mechanism for steam locomotives. 2,467,598, Apr. 19.
- Royal Typewriter Company, Inc., assignee: *See—*
Hart, Henry J.
Kittel, John J.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Crystal controlled oscillator. 2,459,842, Jan. 25.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency modulated oscillating system. 2,462,905, Mar. 1.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Feedback antenna system. 2,480,164, Aug. 30.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency modulating system. 2,483,438, Oct. 4.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Crystal controlled oscillator. 2,489,327, Nov. 29.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Polyphase oscillator. 2,492,184, Dec. 27.
- Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Oscillator. 2,492,185, Dec. 27.
- Royer Foundry & Machine Company, assignee: *See—*
Davies, Stanley B.
- Royer, Marcel, St-Eustache sur le Lac, Quebec, Canada. Venetian blind bracket. 2,483,475, Oct. 4.
- Royle, John & Sons, assignee: *See—*
Van Riper, Jurian W.
- Roys, Carl S., West Chicago, Ill., assignor, by mesne assignments, to Nader Engineering Company. Alternating current generator. 2,460,714, Feb. 1.
- Roys, Carl S., West Chicago, Ill., assignor by mesne assignments, to Nader Engineering Company. Alternating current generator. 2,471,286, May 24.
- Roys, Henry E., Indianapolis, Ind., assignor to Radio Corporation of America. Magnetic sound recording and reproducing transducer. 2,469,444, May 10.
- Roys, Henry E., Indianapolis, Ind., assignor to Radio Corporation of America. Signal recording apparatus. 2,475,200, July 5.
- Roys, Henry E., Indianapolis, Ind., assignor to Radio Corporation of America. Phonographic apparatus. 2,491,215, Dec. 13.
- Royster, Percy H., Bethesda, Md. Thermal molecular alteration of carbon compounds. 2,470,578, May 17.
- Royster, Percy H., Bethesda, Md., assignor to Pickands Mather & Co., Cleveland, Ohio. Treating titaniferous iron ores. 2,471,242, May 24.
- Royston, Chet A., Hamlet, N. C. Crib wardrobe. 2,483,938, Oct. 4.
- Royston, George, Barnsley, England. Apparatus for drying crystalline or granular materials. 2,480,050, Aug. 23.
- Royston, Marvin F., Poughkeepsie, N. Y., assignor to American Type Founders, Incorporated, Elizabeth, N. J. Reproducer for hill and dale and lateral cut phonograph records. 2,492,186, Dec. 27.
- Rozankowski, Leon J.: *See—*
Hamilton, James O., and Rozankowski.
- Rozner, Joseph J., assignor to Aetna Ball & Roller Bearing Company, Chicago, Ill. Pulley block and bearing assembly. 2,459,290, Jan. 18.
- Rozas, Luis A. V., Cuzco, Peru. Parachute control. 2,490,232, Dec. 6.
- Rozsa, John A., and L. F. Knab, assignors to Guild Design & Manufacturing Company, Philadelphia, Pa. Emergency key case. 2,487,897, Nov. 15.
- Rozzi, Guido J., and E. L. Bonalanza, South San Francisco, Calif. Toothbrush holder. 2,471,979, May 31.
- Ruau, Felix F.: *See—*
Molins, Desmond W., and Ruau.
- Ruau, Felix F., Deptford, London, assignor to Molins Machine Company, Limited, London, England. Automatic breech block. 2,465,271, Mar. 22.
- Ruau, Felix F., assignor to Molins Machine Company, Limited, Deptford, London, England. Fire control for semiautomatic firearms. 2,465,272, Mar. 22.
- Ruau, Felix F., assignor to Molins Machine Company, Limited, Deptford, London, England. Firing mechanism control. 2,465,273, Mar. 22.
- Rubatex Products, Inc., assignee: *See—*
Pfeumer, Hans.
- Rubber-Stichting, assignee: *See—*
Houwink, Roelof.
Van der Meer, Samuel.
- Rubbercraft Corporation of California, Ltd., assignee: *See—*
Merralls, Franz N.
- Rubel, John H., Albany, and R. E. Troell, Schenectady, N. Y., assignors to General Electric Company. Adjustable delay line. 2,467,857, Apr. 19.

- Ruben, Louis, and E. J. Zeik, Bayonne, N. J., assignors to L. Greene, New York, N. Y. Chord indicator. 2,473,222, June 14.
- Ruben, Manley, Los Angeles, Calif. Forward and reverse line spacing device for typewriters. 2,476,917, July 19.
- Ruben, Samuel, assignee: *See—*
Williams, Fred D., Jr.
- Ruben, Samuel, New Rochelle, N. Y. Alkaline primary cell. 2,458,878, Jan. 11.
- Ruben, Samuel, New Rochelle, N. Y. Primary cell with permanganate depolarizer. 2,462,998, Mar. 1.
- Ruben, Samuel, New Rochelle, N. Y. Alkaline dry cell with permanganate cathode. 2,463,316, Mar. 1.
- Ruben, Samuel, New Rochelle, N. Y. Dry primary cell. 2,463,565, Mar. 8.
- Ruben, Samuel, New Rochelle, N. Y. Alkaline primary cell. 2,473,546, June 21.
- Ruben, Samuel, New Rochelle, N. Y. Making depolarizer units for alkaline primary cells. 2,481,539, Sept. 13.
- Ruben, Samuel, New Rochelle, N. Y. Primary cell with mercury absorbent. 2,482,514, Sept. 20.
- Ruben, Samuel, New Rochelle, N. Y. Thermoplastic conductive joint for flat cells. 2,487,985, Nov. 15.
- Rubens, Jerome, assignee: *See—*
Joseph, Selig.
- Rubenstein, Jacob H., Buffalo, N. Y. Magnetometer. 2,480,265, Aug. 30.
- Rubenstein, Leon, New York, N. Y. Photographic oxidizers and resists. 2,467,359, Apr. 12.
- Rubenstein, Leon, and B. Campbell, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Lead azide detonators. 2,464,777, Mar. 15.
- Ruberoid Co., The, assignee: *See—*
Gallup, Braxton E.
- Rubin, Abraham B.: *See—*
Faber, George A., and Rubin.
- Rubin, Elizabeth, New York, N. Y. Child's novel picture hot plate. 2,485,922, Oct. 25.
- Rubin, Frederick W., Indianapolis, Ind. Pan having applicator contact board frictionally supported therein. 2,480,546, Dec. 6.
- Rubin, Harry, assignee: *See—*
Segal, Samuel.
- Rubin, Herbert, New York, N. Y. Supporting means for basketball baskets. 2,473,908, June 21.
- Rubin, Herbert, New York, N. Y. Container and closure therefor. 2,477,143, July 26.
- Rubin, Isaac, New York, N. Y. Cylindrical handbag having flexible sidewalls. 2,472,859, June 14.
- Rubin, Isaac, New York, N. Y. Inside seal and reinforcement for slide fastener closures. 2,492,655, Dec. 27.
- Rubin, Julius W., Bronx, N. Y. Foundation garment. 2,489,388, Nov. 29.
- Rubin, Louis C.: *See—*
McGrath, Henry G., Passino, and Rubein.
- Rubin, Martin I.: *See—*
Marks, Henry C., and Rubin.
- Rubinger, Maurice, New York, N. Y. Truss supporter. 2,465,754, Mar. 29.
- Rubinstein, Abraham, Brooklyn, N. Y., assignor to Perfect Brassiere Company, Inc., Jersey City, N. J. Brassiere. 2,471,587, May 31.
- Rubinstein, David: *See—*
Young, Harland H., and Rubinstein.
- Rubinstein, Helena, Inc., assignee: *See—*
Sharlit, Herman.
- Rubissow, George A., New York, N. Y. Device for casting. 2,464,721, Mar. 15.
- Rubissow, George A., New York, N. Y. Mechanism for centrifugal casting. 2,465,819, Mar. 29.
- Rubissow, George A., New York, N. Y. Method of casting. 2,466,277, Apr. 5.
- Rubissow, George A., New York, N. Y. Bettering pelts and hides. 2,470,111, May 17.
- Rubissow, George A., New York, N. Y. Manufacturing molds. 2,470,189, May 17.
- Rubissow, George A., New York, N. Y. Rotating distribution gate for centrifugal casting. 2,477,092, July 26.
- Ruble, Raymond J., Beacon, assignor to Texaco Development Corporation, New York, N. Y. Preparation of gas mixtures. 2,484,249, Oct. 11.
- Ruch, Charles A., Bridgeville, assignor of fifteen per cent to H. Diamond, Pittsburgh, Pa. Game apparatus. 2,463,909, Mar. 8.
- Ruchti, Charles, assignor of one-third to H. Besson and one-third to C. Payot, Lausanne, Switzerland. Duct element, intended in particular for laying electric cables. 2,473,909, June 21.
- Ruchty, Eugene A.: *See—*
Cooper, Nelson D., and Ruchty.
- Ruckart, John L.: *See—*
Genier, John D., and Ruckart.
- Ruckelshaus, John G., Company, assignee: *See—*
Livera, Aldo L.
- Rucker, John T., Lewiston, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Corrosion retarder. 2,459,119, Jan. 11.
- Rucker, Leslie C., Arlington, Va. Pedicure instrument. 2,479,514, Aug. 16.
- Rucks, Edward L.: *See—*
Furnas, William C., and Rucks.
Koertge, Nobel H., and Rucks.
- Ruckstahl, Alois, assignee: *See—*
Portmann, Anton.
- Rudberg, Julius, and T. E. Keller, Los Angeles, Calif.; said Keller assignor to said Rudberg. Staple dispenser. 2,489,159, Nov. 22.
- Rudel, Harry W., Roselle Park, N. J., assignor to Standard Oil Development Company. Extreme pressure lubricants. 2,491,772, Dec. 20.
- Rudd, Gene C., and C. B. Wright, Fort Worth, Tex. Pump for evaporative air coolers or the like. 2,459,097, Jan. 11.
- Rudd, Harry B., Flushing, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Atomizing device. 2,465,274, Mar. 22.
- Rudd, Herbert W., Buckhurst Hill, England, assignor to Shell Development Company, San Francisco, Calif. Ship protection. 2,489,228, Nov. 22.
- Rudd, James B., assignor to Amalgamated Wireless (Australia) Limited, Sydney, New South Wales, Australia. Signaling system. 2,479,025, Aug. 16.
- Rudd, James B., and J. F. Allen, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Permeability tuned high-frequency coupling device. 2,483,596, Oct. 4.
- Rudd, Kenneth H.: *See—*
Doyle, Philip C., and Rudd.
- Rudd, Kenneth H., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Molding composition comprising a polyvinyl resin and a cracked petroleum residuum. 2,464,263, Mar. 15.
- Rudd, Ross, Springfield, Mass. Automatic mechanism for carbines. 2,462,130, Feb. 22.
- Ruddies, George F., Chicago, Ill. Preserving alkyl metal compounds. 2,473,972, June 21.
- Ruddock, William, South Pasadena, Calif.; B. E. Gligas, executor of said W. Ruddock, deceased, assignor to H. V. Griffiths, L. E. Edwards, Jr., and P. Weilein, as trustees for benefit of A. Downey, S. Falkner, B. Thernstran, D. Schultz, E. Welby, J. Edwards, and L. E. Edwards, Jr. Material handling apparatus. 2,479,411, Aug. 16.
- Ruddy, Arlo W.: *See—*
Suter, Chester M., and Ruddy.
- Ruddy, Thomas L., Lakewood, Ohio. Rapping plate. 2,484,746, Oct. 11.
- Rude, Ole G., Sacred Heart, Minn. Mechanical calculator. 2,477,392, July 26.
- Rudel, Harry W.: *See—*
McNab, John G., and Rudel.
- Ruderfer, Martin, Brooklyn, N. Y. Electrical printing type. 2,486,985, Nov. 1.
- Ruderman, Jack, New York, N. Y. Jewelry clip. 2,469,994, May 10.
- Rudin, Robert, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized system. 2,482,373, Sept. 20.
- Rudkin, Sol, assignee: *See—*
Sefton, Robert C., and Sefton.
- Rudnick, Harold A., Boston, Mass. Ageing alcoholic liquors in bottles. 2,487,594, Nov. 8.
- Rudnick, Paul: *See—*
Morton, George A., and Rudnick.
- Rudolf, Henry T., Steubenville, Ohio. Operating blast furnaces. 2,476,628, July 19.
- Rudolph, George A., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Making stannic acid from tin bearing material. 2,486,800, Nov. 1.
- Rudolph, Hans A., Buffalo, and R. L. McEwen, Williams-ville, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Manufacturing acetyl peroxide. 2,458,207, Jan. 4.
- Rudolph, Mary A., executrix: *See—*
Rudolph, Theodore K.
- Rudolph, Paul J., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,463,430, Mar. 1.
- Rudolph, Theodore K., deceased, by M. A. Rudolph, executrix, Los Angeles, Calif. Selective remote-control device. 2,492,240, Dec. 27.
- Rudolph, William E., Collingswood, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Multiple record support for phonographs. 2,472,960, June 14.
- Rudy Furnace Company, assignee: *See—*
Torr, Thomas W.
- Rue, Harold E., Wauwatosa, Wis. Device for feeding strip material. 2,468,236, Apr. 26.
- Ruebel, Clarence C., Fort Dodge, Iowa. Hand printing device. 2,482,939, Sept. 27.
- Rueckel, Walter C., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Ceramic nozzle for regenerative underjet coke ovens. 2,470,112, May 17.
- Rueckert, Dean E., Mokena, assignor to Swift & Company, Chicago, Ill. Packaging food products. 2,470,579, May 17.
- Rued, Fred H., Lafayette, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Pumping jack. 2,481,623, Sept. 13.
- Ruede, Ernest: *See—*
Kahler, George V., and Ruede.

- Ruedi, Arthur F., Hammond, Ind., assignor to Universal Atlas Cement Company. Refractory concrete, mix therefor, and making. 2,469,081, May 3.
- Ruedrich, Paul M.: *See*—
Evans, John M., Ruedrich, and Strom.
- Ruedrich, Paul M., Berkeley, Calif., assignor to Griffin Chemical Company. Preparation of oil soluble petroleum sulfonates. 2,462,829, Feb. 22.
- Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Plant for the production and heating of compressed air. 2,478,504, Aug. 9.
- Ruelle, Robert J. P., Paris, France. Motor vehicle. 2,490,162, Dec. 6.
- Ruesch, Paul, Turbenthal, Switzerland. Automatic head stop motion for dobby looms. 2,485,414, Oct. 18.
- Ruff, Harold R.: *See*—
Mills, Robert V., Clark, and Ruff.
- Ruff, Harold R., Rugby, England, assignor to General Electric Company. Electric discharge device and operation. 2,462,336, Feb. 22.
- Ruff, Harold R., and R. L. Russell, Rugby, England, assignors to General Electric Company. Molded discharge lamp. 2,465,123, Mar. 22.
- Ruffer, John C., Toledo, Ohio. Brushing machine for treating strip material. 2,491,773, Dec. 20.
- Ruffin, Theodore L., assignor of one-third to J. D. McCotter and one-third to A. C. Jackson, Washington, N. C. Stretching implement. 2,486,883, Nov. 1.
- Ruffino, Gabriel, assignor of one-half to A. Magallon, Los Angeles, Calif. Harmonica. 2,459,184, Jan. 18.
- Ruffner, Paul E., Columbus, Ohio. Foldable leaf memorandum calendar having a pocketed backing member. 2,469,177, May 3.
- Rufle, George H., Laurelton, N. Y. Electrically illuminated advertising device. 2,471,902, May 31.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Load weighing device. 2,458,481, Jan. 4.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Electrical impedance filament and the making same. 2,470,051, May 10.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Electrical load weighing apparatus. 2,472,047, May 31.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Load cell. 2,487,595, Nov. 8.
- Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Electric load weighing device. 2,488,348, Nov. 15.
- Ruger, John, Freeport, N. Y. Scribing instrument. 2,458,208, Jan. 4.
- Rugg, Frank D., assignor to Rugg Manufacturing Company, Greenfield, Mass. Rake. 2,490,710, Dec. 6.
- Rugg Manufacturing Company, assignee: *See*—
Rugg, Frank D.
- Ruggiero, Peter, Newark, N. J. Collapsible bass fiddle. 2,464,100, Mar. 8.
- Rugh, Harry O., Chicago, Ill., assignor, by mesne assignments, to Columbia Specialties, Inc. Support. 2,487,765, Nov. 8.
- Ruhl, Guy P., Frostproof, Fla. Transplanter. 2,473,261, June 14.
- Ruhnke, Edward J., and H. S. Perlman, assignors, by mesne assignments, to Hill-Shaw Company, Chicago, Ill. Filter for beverage brewing apparatus. 2,482,940, Sept. 27.
- Ruhwandl, Dominicus G. S., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rectifier discharge tube and sealing the anode lead-in. 2,461,237, Feb. 8.
- Ruist, John T., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Pillow block. 2,467,994, Apr. 19.
- Ruiz, Ignacio L., New York, N. Y. Crab trap. 2,473,910, June 21.
- Ruiz, Ramon A., Havana, Cuba, assignor of sixty per cent to G. Guidice, Brooklyn, N. Y. Railroad spike. 2,474,281, June 28.
- Rulison, Raymond L.: *See*—
Green, Charles B., and Rulison.
- Rulka, Alexander S.: *See*—
McDougal, Taine G., Schwartzwalder, and Rulka.
- Schwartzwalder, Karl, Rulka, and Smith.
- Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Creaming of rubber latices. 2,467,053, Apr. 12.
- Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Increasing particle size of synthetic rubber latices. 2,467,054, Apr. 12.
- Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Treatment of synthetic rubber latices. 2,475,053, July 5.
- Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Treatment of synthetic rubber latices. 2,484,425, Oct. 11.
- Rumler, Lester W., Zion, Ill. Amusement device. 2,484,466, Oct. 11.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpene phenols. 2,471,453, May 31.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Catalytic condensation of phenols with monocyclic dihydroterpenes. 2,471,454, May 31.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpene phenols. 2,471,455, May 31.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpene resins. 2,475,201, July 5.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Condensates of resin with unsaturated acyclic hydrocarbons. 2,477,654, Aug. 2.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Condensates of rosin with unsaturated heterocyclics. 2,477,655, Aug. 2.
- Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene resins. 2,487,898, Nov. 15.
- Rumpakis, Louis, J. Ivanoff, and M. D. Sussman, Portland, Oreg. Shoe protector. 2,485,923, Oct. 25.
- Rumpf, Robert J.: *See*—
Notestein, Edison L., and Rumpf.
- Rumscheidt, Gottfried E., and W. L. Johannes de Nie, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Producing filamentary reaction products of rubbery polymers with sulfur dioxide. 2,469,847, May 10.
- Rumsey, Herbert, Jr., Rochester, N. Y. Package. 2,474,120, June 21.
- Rumsey, Herbert, Jr., Rochester, N. Y. Package. 2,474,166, June 21.
- Rumsey, John A., Springfield, Pa. Ejector device for lock keys. 2,488,240, Nov. 15.
- Rumsey, John C., Mission, Kans. Load releasing means. 2,489,819, Nov. 29.
- Rumsey, John C., Mission, Kans. Automatic load-release device. 2,492,370, Dec. 27.
- Rumsey, John C., Mission, Kans. Timer device for load releasing means. 2,492,817, Dec. 27.
- Runbaken, Julian H., Wilmslow, England. Heater for the cooling water of internal-combustion engines. 2,474,987, July 5.
- Runbaken, Julian H., Hill Top, Wilmslow, England. Electrical testing instrument. 2,476,115, July 12.
- Runbaken, Julian H., Wilmslow, and W. Torrance, Manchester, England. Electrical apparatus. 2,478,983, Aug. 16.
- Runcie, Walter O., Lima, Peru. Air control means for relooping machines. 2,492,008, Dec. 20.
- Runce, Emilie, Arlington, Mass. Apron. 2,490,477, Dec. 6.
- Runde, Kenneth R.: *See*—
Tallman, Oscar F., Runde, and Kearney.
- Runde, Kenneth R., Lemay, Mo. Self-tightening rope clamp. 2,458,304, Jan. 4.
- Rundell, Raymond R.: *See*—
Walton, Joseph C., and Rundell.
- Rundell, Raymond R., Miami, Fla. Receptacle holder. 2,474,167, June 21.
- Rundell, Rupert E., Rockville Centre, and G. E. Hagquist, Brooklyn, N. Y., assignors to American Machine and Foundry Company. Ball return mechanism for bowling pin setting machines. 2,470,052, May 10.
- Rundell, Theodore W., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Automatic ice maker. 2,471,655, May 31.
- Rundle, George W., assignor to R. L. Plummer, J. Cullen, and S. L. Ambrose, Los Angeles, Calif. Crushing and grinding machine. 2,472,725, June 7.
- Rundquist, Willard H., Rock Island, Ill., assignor to Rock Island Millwork Company. Hollow-core panel. 2,479,870, Aug. 23.
- Runge, Richard M.: *See*—
Naysmith, Shirley R., and Runge.
- Runge, Richard M., assignor to The Miller Company, Meriden, Conn. Fluorescent lighting fixture. 2,463,057, Mar. 1.
- Runk, Robert H.: *See*—
Foster, Newton C., and Hill, Runk, and Schulman.
- Runkle, George L.: *See*—
Schofield, Earl L., and Runkle.
- Runzel Cord & Wire Company, assignee: *See*—
Duvall, Stanley A.
- Rupert Diecasting Company, assignee: *See*—
Beuscher, William B.
- Rupert, Richard, Independence, Mo. Plastic doll's eye and making same. 2,466,278, Apr. 5.
- Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind. Pneumatically operated weigher and assorter. 2,488,037, Nov. 15.
- Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind. Pneumatic bore gauging head. 2,490,375, Dec. 6.
- Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind. Apparatus for gauging tapered workpieces. 2,490,376, Dec. 6.

- Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind. Air gauge. 2,492,656, Dec. 27.
- Rupp, Earl V.: *See*—
Garrard, Howard F., and Rupp.
- Rupp, Herbert E., assignor to The Gorman-Rupp Company, Mansfield, Ohio. Self-priming centrifugal pump. 2,461,925, Feb. 15.
- Rupp, John L., Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn. Storage battery with concentric cells. 2,487,831, Nov. 15.
- Rupp, Joseph M., Fond du Lac, Wis. Interconnected pressure and fluid control for pressing machines. 2,490,711, Dec. 6.
- Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Butadiene purification. 2,487,184, Nov. 8.
- Rupp, William C., Parma, assignor to The Chandler & Price Company, Cleveland, Ohio. Feed and delivery mechanism for printing presses. 2,463,058, Mar. 1.
- Ruppe, Peter P., Detroit, Mich. Beverage brewer. 2,463,431, Mar. 1.
- Ruppert, Myrtle L., assignee: *See*—
Bennett, Grady H.
- Rusca, Ralph A., New Orleans, La., assignor to the United States of America as represented by the Secretary of Agriculture. Method and apparatus for electrical heating. 2,492,187, Dec. 27.
- Rusca, Ralph A., and C. L. Sens, New Orleans, La., assignors to The United States of America as represented by the Secretary of Agriculture. Photoelectric apparatus for measuring lap uniformity having means to minimize tension on the lap. 2,466,615, Apr. 5.
- Rusch, Robert F., U. S. Army, Appleton, Wis., and J. F. Payne, U. S. Army, Pleasantville, N. Y. Automatic navigator. 2,485,663, Oct. 25.
- Ruschmeyer, Herman W., Mankato, Minn. Clamp. 2,483,274, Sept. 20.
- Rush, Ben J.: *See*—
Riche, Arthur L., and Rush.
- Rush, Ernest J., Swannanoa, N. C. Machine gun mount. 2,491,520, Dec. 20.
- Rush, John W.: *See*—
Cook, Earle S., McClure, and Rush.
- Rush, John W., and A. J. Bent, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,482,291, Sept. 20.
- Rush, Thomas L., Cleveland, Ohio. Can opener. 2,467,232, Apr. 12.
- Rushforth, Paul W., Honolulu, Territory of Hawaii. Ash receiver. 2,474,371, June 28.
- Rushing, Frank C., and B. B. Winer, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor construction. 2,465,275, Mar. 22.
- Ruskin, Frances R., assignee: *See*—
Ruskin, Simon L.
- Ruskin, Henry, Chicago, Ill., assignor to Speed Products Company, Inc., Long Island City, N. Y. Stapling machine. 2,489,050, Nov. 22.
- Ruskin, Robert E., Washington, D. C. Coupling device. 2,468,114, Apr. 26.
- Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Medicinal preparation containing available calcium and phosphorus. 2,478,984, Aug. 16.
- Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Preparation of adenylic and thioadenylic acid. 2,482,069, Sept. 13.
- Russ, Alexander, Philadelphia, Pa. Gyro erecting means. 2,468,113, Apr. 26.
- Russ, Richard B.: *See*—
Halstead, Gerald G., and Russ.
- Russ, Walter R., Little Falls, N. J., C. Hoffman, Scarsdale, T. R. Schweitzer, Bellaire, and G. Dalby, assignors to Ward Baking Company, New York, N. Y. Fungicide containing caprylic acid and its salt. 2,466,663, Apr. 5.
- Russ, William C.: *See*—
Tapp, Robert E., and Russ.
- Russel, George N., Piedmont, Okla. Flushing system for water storage basins. 2,463,808, Mar. 8.
- Russell, Alfred P., Oskaloosa, Iowa. Illuminating attachment for canes or the like. 2,478,325, Aug. 9.
- Russell, Alfred R., Grosse Pointe, assignor to The Burkhardt Company, Detroit, Mich. Swivel ring binder. 2,459,541, Jan. 18.
- Russell, Edward E. and M. I. Woodmont, Conn. Manufacturing record dies. 2,458,427, Jan. 4.
- Russell Electric Company, assignee: *See*—
Ballentine, Earle W.
- Russell, F. C., Company, The, assignee: *See*—
Russell, Frank C., and Bartlett.
- Russell, Fannie, Kansas City, Mo. Kneepad. 2,476,565, July 19.
- Russell, Frank C.: *See*—
Abbott, Ward D., and Russell.
- Russell, Frank C., Cleveland, Ohio, and B. W. Bartlett, West Hartford, Conn., assignors to The F. C. Russell Company, Cleveland, Ohio. Storm window. 2,463,432, Mar. 1.
- Russell, Frank H., Needham, assignor to Pepperell Manufacturing Company, Boston, Mass. Treating fabrics and resulting product. 2,469,245, May 3.
- Russell, Frank W., Los Angeles, Calif. Knobless door latch. 2,492,322, Dec. 27.
- Russell, Fred J., Beverly Hills, and G. B. Solovieff, assignors to Weiser Company, South Gate, Calif. Door lock. 2,484,961, Oct. 18.
- Russell, Griscom, Company, The: *See*—
Busse, William M.
- Russell, Grover C., Needham, Mass. Drill press. 2,479,515, Aug. 16.
- Russell, Harold D., and J. I. Crabtree, assignors to Eastman Kodak Company, Rochester, N. Y. Stop bath acidity indicator. 2,464,155, Mar. 8.
- Russell, Harry J., assignor to Baker & Company, Inc., Newark, N. J. Dental shade guide. 2,479,543, Aug. 16.
- Russell, Harry L., and H. H. McManus, Fordyce, Ark. Kiln for drying lumber. 2,489,820, Nov. 29.
- Russell, John, and R. E. Stauffer, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing a primary aromatic amine derivative of gelatin by reaction of gelatin with isatoic anhydride and product thereof. 2,481,540, Sept. 13.
- Russell, John D., Cranberry Township, Venango County, Pa., assignor to Joy Manufacturing Company. Combined cable guide arm and torque control switch. 2,472,860, June 14.
- Russell, John D., and J. W. Woolf, assignors to Joy Manufacturing Company, Franklin, Pa. Electric circuit controller. 2,472,048, May 31.
- Russell, John K., North Hollywood, Calif. Fish lure. 2,484,747, Oct. 11.
- Russell, John L., assignor to The Bristol Company, Waterbury, Conn. Magnetostriuctive condition-responsive apparatus. 2,469,005, May 3.
- Russell, John T., Oklahoma City, Okla. Lawn mower grinder. 2,472,922, June 14.
- Russell, Joseph, Bailey, assignor of one-half to J. Hoeffling, Ravenna, Mich. Rodent trap. 2,471,546, May 31.
- Russell, Kenneth L.: *See*—
Colgate, Robert B., Dreger, and Russell.
- Russell, Kit C., Tacoma, Wash. Telescope bed tray. 2,466,482, Apr. 5.
- Russell-Lacey Manufacturing Company, Incorporated, assignee: *See*—
Bradwell, Robert H., and Brock.
Moore, William N.
- Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Wind deflector. 2,478,161, Aug. 2.
- Russell, Louis R., Edison, Ohio, assignor to Insley Manufacturing Corporation, Indianapolis, Ind. Excavating and load handling machine. 2,472,726, June 7.
- Russell Manufacturing Company, assignee: *See*—
Masbruch, Henry.
- Russell Manufacturing Company, The, assignee: *See*—
Russell, Thomas M., Jr.
- Russell Manufacturing Company, Incorporated, The, assignee: *See*—
Russell, Robert A.
- Russell, Monica I.: *See*—
Russell, Edward E., and Russell.
- Russell, Nelson B.: *See*—
Bond, Donald C., Russell, and Bernard.
- Russell, Oscar L.: *See*—
Skeer, John D., Russell, and Wilson.
- Russell, Peter K., Shippensburg, Pa. Oil burner. 2,482,215, Sept. 20.
- Russell, Ray A., Santa Ana, Calif. Remote-control counterbalance tilting joint for umbrellas. 2,475,406, July 5.
- Russell, Raymond L.: *See*—
Ruff, Harold R., and Russell.
- Russell, Robert A., Alexander City, Ala., assignor to The Russell Manufacturing Company, Incorporated. Cone for dyeing yarn. 2,489,465, Nov. 29.
- Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Gear shifting mechanism. 2,462,779, Feb. 22.
- Russell, Robert D., St. Petersburg, Fla. Dual hot-air heater unit for fireplaces. 2,471,351, May 24.
- Russell, Sam W., Knoxville, Tenn. Safety auxiliary application valve. 2,477,496, July 26.
- Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Flywheel. 2,474,370, June 28.
- Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Pickup baler. 2,478,324, Aug. 9.
- Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Movable belt conveyor. 2,481,244, Sept. 6.
- Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baler and reduction gear therefor. 2,489,198, Nov. 22.
- Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Pickup drive. 2,489,199, Nov. 22.
- Russell, T. J. D., Studio City, Calif. Supporting objects in space in animating apparatus. 2,487,381, Nov. 8.
- Russell, Thomas M., Jr., assignor to The Russell Manufacturing Company, Middletown, Conn. Warp beam letoff for looms. 2,457,923, Jan. 4.
- Russell, Valoran, Morton Grove, Ill. Flux meter. 2,459,841, Jan. 18.
- Russell, Willard J., Sr.: *See*—
Agnew, Gordon J., and Russell, Sr.

- Russell, William F., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Drilling mud containing gelatinized starch and monoethanol ammonium 2-benzothiazyl sulfide. 2,473,392, June 14.
- Russell, William L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Gamma-ray logging. 2,469,461, May 10.
- Russell, William L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Neutron well logging. 2,469,462, May 10.
- Russell, William L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Neutron logging of wells. 2,469,463, May 10.
- Russell, William L., assignor to Well Surveys, Incorporated, Tulsa, Okla. Neutron method of porosity logging. 2,480,674, Aug. 30.
- Russell, William N., Philadelphia, Pa. Machine for making reinforced concrete beams. 2,470,650, May 17.
- Russell, William S., assignor to Parker Rust Proof Company, Detroit, Mich. Accelerating phosphate coating with indigoid compounds. 2,463,496, Mar. 1.
- Russell, Winfield P., Malden, Mass. Educational device. 2,461,926, Feb. 15.
- Russnak, Clarence J., assignor to Teletype Corporation, Chicago, Ill. Selective control of printer motors at outlying telegraph stations. 2,468,574, Apr. 26.
- Russo, Giuseppe, New York, N. Y. Match book. 2,470,523, May 17.
- Rust, Frank P., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Elevated tank. 2,464,829, Mar. 22.
- Rust, Frederick F.: *See*—
Seubold, Frank H., Rust, and Vaughan.
- Rust, Frederick F., J. H. Raley, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Sensitization of hydrogen bromide catalyzed oxidation reactions. 2,480,971, Sept. 6.
- Rust, George M.: *See*—
Andreasen, Arthur A., and Rust.
- Rust, John B.: *See*—
Coon, John M., and Rust.
Hammer, Irving P., and Rust.
Robertson, John W., and Rust.
- Rust, John B., East Hanover, N. J., assignor to Montclair Research Corporation. Treatment of wool and products therefor. 2,467,233, Apr. 12.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Drying oil acid esters and process of making same. 2,464,202, Mar. 15.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Wool shrinkproofing baths containing a chloroprene polymer. 2,471,456, May 31.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Quaternary ammonium compounds and making same. 2,474,202, June 21.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Drying oil products and making same. 2,482,736, Sept. 20.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Diolefin-nitrile copolymer bath for shrinkproofing wool. 2,484,962, Oct. 18.
- Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Shrinkproofing wool and materials therefor. 2,491,584, Dec. 20.
- Rust, John B., Verona, N. J., assignor to Montclair Research Corporation. Modified drying oils and making same. 2,467,912, Apr. 19.
- Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Polymerization products and making same. 2,469,788, May 10.
- Rust, John B., West Orange, N. J., assignor to one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Aldehyde-polycyanoacetamido-compound condensation products and making same. 2,471,243, May 24.
- Rust, John B., and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Unsaturated polymerizable liquid esters and making same. 2,478,015, Aug. 2.
- Rust, John B., West Orange, and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Rosin esters and making same. 2,479,516, Aug. 16.
- Rust, John D., Memphis, Tenn. Automatic stop for cotton harvesters. 2,458,531, Jan. 11.
- Rust, John D., Memphis, Tenn. Cotton-picking machine. 2,482,216, Sept. 20.
- Rust, John D., Memphis, Tenn. Capillarity controlled wick. 2,482,557, Sept. 20.
- Rust, John D., Memphis, Tenn. Cotton-picker-spindle roughening means. 2,485,845, Oct. 25.
- Rust, John D., Memphis, Tenn. Spindle doffing device. 2,486,884, Nov. 1.
- Rust, Mack D., Phoenix, Ariz. Cotton picking machine. 2,466,969, Apr. 12.
- Rustebakke, Homer M.: *See*—
Harder, Edwin L., and Rustebakke.
- Rustin, Eugene H., Brooklyn, N. Y. Soldering iron. 2,462,131, Feb. 22.
- Rutemiller, Oren G., St. Bernard, assignor to The Cleveland Automatic Machine Company, Norwood, Ohio. Spindle speed control. 2,489,725, Nov. 29.
- Ruth, Arthur H.: *See*—
Bisantz, Fred, and Ruth.
- Ruth, Arthur P., Houston, Tex. Combination pressure tank and pump. 2,475,918, July 12.
- Ruth, Edward S., assignor to Edwards and Company, Inc., Norwalk, Conn. Selective electric signaling system. 2,484,748, Oct. 11.
- Ruth, Howard M., Appleton, Wis., assignor to International Cellucotton Products Company. Tampon applicator. 2,489,502, Nov. 29.
- Ruth, Lawrence E., Marshalltown, Iowa. Tractor hitch. 2,476,511, July 19.
- Rutherford, John T.: *See*—
Farrington, Bruce B., Clayton, and Rutherford.
- Rutherford, Peter B., Herkimer, and K. J. Lowe, deceased, by J. A. Lowe, administratrix, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,490,922, Dec. 13.
- Rutherford, Victor S., East Cleveland, Ohio, assignor to Bailey Meter Company. Alarm circuits. 2,487,675, Nov. 8.
- Ruthruff, Robert F., Chicago, Ill. Catalytic conversion of Fischer synthesis products. 2,467,407, Apr. 19.
- Rutishauser, Donald E., Webster Groves, Mo., assignor to Hussman Refrigerator Co. Refrigerated display case. 2,479,135, Aug. 16.
- Rutkowski, Joseph J.: *See*—
Severance, Spencer W., and Rutkowski.
- Rutledge, John E., Normandy, Mo., assignor to Curtiss-Wright Corporation. Structural joint. 2,473,728, June 21.
- Rutter, Clyde M., Massillon, assignor to Republic Steel Corporation, Cleveland, Ohio. Cutting and cleaning of stainless steel billets. 2,479,412, Aug. 16.
- Raud, Otto S., Oslo, Norway. Ski binding. 2,469,478, May 10.
- Ruys, Antonie H., Huizen, and J. F. Lemmens, Hilversum, assignors to N. V. Chemische Fabriek "Naarden," Naarden, Netherlands. Manufacture of esters of monomethylene ethers of α -keto-2 gulonic acid. 2,491,933, Dec. 20.
- Ruzek, Joseph, New Orleans, La. Slidable jaw wrench with terminal adjusting nut. 2,469,789, May 10.
- Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Registering mechanism. 2,486,328, Oct. 25.
- Ryan, Howard F., Long Beach, Calif. Radius grinder for toothed rotary cutters. 2,475,054, July 5.
- Ryan, James L., Springfield, Mo. Exhaust stand for steam locomotives. 2,488,241, Nov. 15.
- Ryan, John D.: *See*—
Erickson, Arvid M., and Ryan.
- Ryan, Joseph F., assignee: *See*—
Brabender, George J., Bard, and Daily.
- Ryan, Lawrence P., Carney's Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing nylon hosiery. 2,480,775, Aug. 30.
- Ryan, Martin A.: *See*—
Wagner, Cary R., and Ryan.
- Ryan, Nancy R., Long Beach, Calif. Child's dress. 2,464,946, Mar. 22.
- Ryan, William E., Oswego, Kans. Flue heat exchanger. 2,479,413, Aug. 16.
- Ryan, William H., and V. K. Walworth, assignors to Polaroid Corporation, Cambridge, Mass. Photographic processes for producing multicolor images. 2,471,547, May 31.
- Rycroft, Norman, Blackburn, Leamington Spa, assignor of one-half to Cornercroft Limited, Coventry, England. Electric heating system for buildings. 2,483,154, Sept. 27.
- Ryde, John L.: *See*—
McCulloch, Robert P., and Ryde.
- Ryden, Eric H., assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Demountable baffle structure for furnace combustion chambers. 2,483,476, Oct. 4.
- Ryder, Albert: *See*—
Loomis, Eugene C., Ryder, and George.
- Ryder, Carlton B.: *See*—
Giegerich, Bertrand V., and Ryder.
- Ryder, Charles D., Covington, assignor to The Grote Manufacturing Company, Bellevue, Ky. Traffic signaling device support. 2,458,482, Jan. 4.
- Ryder, Elmer, Berwyn, Ill. Bicycle attachment. 2,489,821, Nov. 29.
- Ryder, Francis E.: *See*—
Atherton, Thomas, and Ryder.
- Ryder, Frank A., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Magnetic mold. 2,465,276, Mar. 22.
- Rydner, Gustaf W., Detroit, Mich. Swimmer's boat. 2,470,725, May 17.
- Ryder, Roger F., United States Marine Corps. Parachute folding table. 2,486,437, Nov. 1.
- Rydstrom, Jean O., Glenview, Ill. Piano pedal extension device. 2,463,910, Mar. 8.
- Ryland, Lloyd B., El Cerrito, and Miroslav Tamele, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalyst for cracking hydrocarbons. 2,469,314, May 8.
- Rylen, Joseph N., Turlock, Calif. Resilient body support. 2,466,279, Apr. 5.

- Ryles, James A., assignor of one-half to L. A. Follansbee, Fresno, Calif. Pulse generator. 2,485,778, Oct. 25.
- Rylsky, Gregory V., Ridgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Radiant energy receiver. 2,482,440, Sept. 20.
- Ryman Engineering Company, assignee: *See—*
Elmes, John A.
- Ryman, Walter L.: *See—*
Minarik, Rudolf G., and Ryman.
- Ryno, Juddson E.: *See—*
Casey, Charles L., and Ryno.
- Rysick, Walter J., Fort Wayne, Ind. Claspings means for frictionally holding articles in suspension. 2,483,303, Sept. 27.
- Rzepela, Stanley, Philadelphia, Pa. Eccentric drive gear mechanism. 2,469,313, May 3.
- S. A. Societe Nationale De Constructions Aeronautiques Du Sud-Est, assignee: *See—*
Golbert, Serge.
Satre, Pierre H.
- S & C Electric Company, assignee: *See—*
Lindell, Sigurd I.
- S E B M A S. A., Societe d'Exploitation de Brevets de Machines Agricoles, assignee: *See—*
Boncompain, Francois.
- S. R. B. Company, assignee: *See—*
Ramey, Harold W.
- S & S Corrugated Paper Machinery Co., Inc., assignee: *See—*
Shields, Albert F.
- S. & Z. Manufacturing Company, Inc., assignee: *See—*
Samuelson, Otto H.
- Saaling, George A., Pittsburgh, Pa. Device for locking the strip-tightening shaft of buffing wheels or the like. 2,475,555, July 5.
- Saari, Matt: *See—*
Anderson, Edward J., Lehto, and Saari.
- Sabatella, Vincent, New York, N. Y. Egg beater. 2,481,352, Sept. 6.
- Sabbia, Jerome R., Bridgeport, Conn., assignor to United Aircraft Corporation of East Hartford, Conn. Quick disconnect. 2,482,292, Sept. 20.
- Sabee, Reinhardt N., Detroit, and C. S. White, Dearborn, assignors of one-fifth to said Sabee, one-fifth to F. A. Grady, Detroit, Mich., three-tenths to C. F. Meroni, Evanston, Ill., one-fifth to V. S. Lilly, Detroit, Mich., and one-tenth to F. A. Grady. Method of making tubular plastic article. 2,481,951, Sept. 13.
- Sabel, Edward R., and F. I. Galbrecht, assignors to The Haloid Company, Rochester, N. Y. Web feed control. 2,475,722, July 12.
- Sabin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Roughing machine. 2,470,866, May 24.
- Sabins, Rolland C., Seattle, Wash. Composite ship construction. 2,473,039, June 14.
- Sabins, Rolland C., Seattle, Wash. Boat structure. 2,481,785, Sept. 13.
- Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Fluid control and metering valve. 2,463,809, Mar. 8.
- Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Brake means for textile mill spindles. 2,481,043, Sept. 6.
- Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Blade mounting for propellers. 2,482,217, Sept. 20.
- Sachanen, Alexander N.: *See—*
Caesar, Philip D., and Sachanen.
Lukasiewicz, Sigmund J., and Sachanen.
Seger, Francis M., and Sachanen.
- Sacher, Murray H., Staten Island, N. Y., and C. J. Gentile, Waterbury, Conn. Cigarette or like holder and dispenser. 2,474,168, June 21.
- Sach-Rowitz, Alvin: *See—*
Boekenoggen, Isaac E., Peterson, and Sach-Rowitz.
- Sachs, Abraham, Baltimore, Md. Machine for breaking in shoes. 2,470,867, May 24.
- Sachs, Milton, New York, N. Y. Scaffold. 2,462,429, Feb. 22.
- Sachs, Morris, New York, N. Y. Lock. 2,466,557, Apr. 5.
- Sachtlober, Rudolph H., East Orange, N. J. Micrometer. 2,467,499, Apr. 19.
- Sacker, Stanley H., New Orleans, La. Coffee maker. 2,464,722, Mar. 15.
- Sacks, Joseph A.: *See—*
Owenby, Paul and F., and Sacks.
- Sacks, Julius P., Chicago, Ill. Extension table. 2,463,911, Mar. 8.
- Sacks, Waldoef, assignee: *See—*
Jones, Urban R.
- Sackett, Julie, Brooklyn, N. Y. Cover for hand luggage. 2,487,596, Nov. 8.
- Sackville, William, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Radiant energy detector. 2,459,185, Jan. 18.
- Saco-Lowell Shops, assignee: *See—*
Gwaltney, Eugene C.
- Sadir-Carpentier, assignee: *See—*
Alcardi, Joseph.
- Sadler, Harry J.: *See—*
Cook, Ernest E., and Sadler.
- Sadler, John W., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Treating oxide pigs. 2,481,880, Sept. 13.
- Sadlon, Adam, Newark, N. J. Multipurpose electrical testing meter. 2,466,558, Apr. 5.
- Sadlon, Martin M.: *See—*
Lieber, Eugene, and Sadlon.
- Saegert, Marie S., assignee: *See—*
Scavullo, Angelo C.
- Safetee Glass Company, assignee: *See—*
McCusker, Charles A.
- Safety Car Heating and Lighting Company, Inc., The, assignee: *See—*
Barrows, Clarence G.
Schepmoes, Lindsley.
- Safety-Fuel Incorporated, assignee: *See—*
Laliberte, Albert J.
- Safety-Scape Corporation, assignee: *See—*
Bassett, Bert L., I. L., and W. E.
- Safeway Heat Elements, Inc., assignee: *See—*
Yejeski, Lesh.
- Safady, Thomas F., Detroit, assignor to Sav-Way Industries, Inc., Warren Township, Mich. Brassiere. 2,489,591, Nov. 29.
- Saffir, Jacob A., Kew Gardens, assignor to The Dentists' Supply Company of New York, New York, N. Y. Cast or molded denture. 2,472,492, June 7.
- Saffir, Jacob A., Kew Gardens, assignor to The Dentists' Supply Company of New York, New York, N. Y. Compositions for molding dentures and dentures molded therefrom. 2,477,268, July 26.
- Safir, Otto, Beaconsfield, England. Construction of staircases. 2,471,352, May 24.
- Saf-Mont, Inc., assignee: *See—*
Healy, Thomas F.
- Safway Steel Products Inc., assignee: *See—*
Rambo, Ingar G.
- Sagar, Paul B., Cleveland, Ohio, assignor to General Controls Co., Glendale, Calif. Stoker control system, including delayed air feed. 2,483,847, Oct. 4.
- Sage, Craig M., Schenectady, N. Y., assignor to General Electric Company. Pigmented coating compositions exhibiting resistance to pigment flotation. 2,467,858, Apr. 19.
- Sage, Harry C., assignor to Thomson-Sage, Inc., Stockton, Calif. Harvester. 2,472,762, June 7.
- Sager, DeWitt D.: *See—*
Audrieth, Ludwig F., and Sager.
- Sager, Irving: *See—*
Gorham, John E., and Sager.
- Saginaw Products Corporation, assignee: *See—*
Hare, Terence G.
- Sagnier, Merope, Paris, France. Stocking mending machine. 2,459,587, Jan. 18.
- Sahlén, Eric A., Harrington Park, N. J., assignor to Otis Elevator Company, New York, N. Y. Guide for elevators. 2,490,652, Dec. 6.
- Sahlén, Eric A., Harrington Park, N. J., assignor to Otis Elevator Company, New York, N. Y. Safety mechanism for elevators. 2,490,653, Dec. 6.
- Sahyun, Melville, St. Johns, Mich., assignor to Sterling Drug Inc., New York, N. Y. Protein hydrolysate containing essential amino acids and preparation therefor. 2,470,955, May 24.
- Saidel, Jack H.: *See—*
Swardlow, Max H., and Saidel.
- Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Top feed and alternating presser attachment for sewing machines. 2,474,282, June 28.
- Sailors, Howard R.: *See—*
Clark, Alfred, and Sailors.
Hepp, Harold J., and Sailors.
- Saint, Samuel P.: *See—*
Field, Oscar S., Wight, and Saint.
- Saint, Samuel P., Port Washington, assignor to General Railway Signal Company, Rochester, N. Y. Airplane traffic controlling system. 2,475,256, July 5.
- St. Charles Manufacturing Company, assignee: *See—*
Mosher, Philip P., and Waller.
- St. Clair Machine Products Company, assignee: *See—*
Michael, William J.
- St. Clair, Theodore A.: *See—*
Garretson, Eddy, and St. Clair.
- St. Clair, Theodore R.: *See—*
Hoffman, Clarence W., and St. Clair.
- St. Croix Garment Company, assignee: *See—*
Kerr, Roy H.
- St. Jacques, Emile C. and R. H., Wareham, Mass. Machine for sealing filled bags. 2,491,226, Dec. 13.
- St. Jacques, Robert H.: *See—*
St. Jacques, Emile C. and R. H.
- St. John, Erastus R., Forest Hills, N. Y. Tower structure. 2,459,198, Jan. 18.
- St. Joseph Lead Company, assignee: *See—*
Isbell, William T.
- St. Laurence, Ernest J., Minneapolis, Minn. Lever operated gripping tool with slidable jaw face. 2,489,057, Nov. 22.
- St. Louis, Charles V., Benton Harbor, Mich., assignor to Remington Rand Inc., New York, N. Y. Loose-leaf binder and latching mechanism. 2,465,179, Mar. 22.

- St. Louis Union Trust Company, assignee: *See—*
Larkin, John J.
- St. Louis Union Trust Company, executors, et al.: *See—*
Larkin, John J.
- Saint Paul Institute, assignee: *See—*
Powell, Louis H.
- St. Peter, Napoleon: *See—*
Banks, John B., and St. Peter.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Gap closer. 2,473,975, June 21.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Fabric guiding device. 2,483,355, Sept. 27.
- St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine lubricator. 2,488,346, Nov. 15.
- St. Pierre, Henry, Worcester, Mass. Chain link. 2,480,788, Aug. 30.
- St. Pierre, Henry, Worcester, Mass. Tire chain kit. 2,489,986, Nov. 29.
- St. Regis Paper Company, assignee: *See—*
Dorrington, Neill E., and Dyker.
Hoppe, Edgar B.
Lee, Harry E.
Repas, Andrew.
Rhodes, Herman S.
Vredenburg, Edric W.
- St. Thomas, William H., assignor to E. J. Wilkins Company, Gloversville, N. Y. Combination purse and billfold. 2,488,444, Nov. 15.
- Sait, Herbert R.: *See—*
Stonestreet, George A., and Sait.
- Sakal, Emile H.: *See—*
Spence, Le Roy U., and Sakal.
- Saks, Ira, assignee: *See—*
Kelleher, Daniel.
- Sala, Redick C., Avalon, Pa. Water heater. 2,467,156, Apr. 12.
- Sala, Theodore A., Dallas, Tex. Imparting smoky flavors to soft foods. 2,464,614, Mar. 15.
- Salas, José A., Caracas, Venezuela. Ball-point pen. 2,474,865, July 5.
- Salat, Joseph, New York, N. Y. Collapsible carrier adapted to be wheeled to market. 2,468,604, Apr. 26.
- Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling fluid for heaving shale. 2,474,329, June 28.
- Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Aqueous base drilling fluid for heaving shale. 2,474,330, June 28.
- Salatin, James F.: *See—*
Burge, James S., Rider, Salatin, and McKee.
- Saldana, Juan A., Laredo, Tex. Door lock control. 2,475,757, July 12.
- Saldin, Harvey B., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for turbine temperature analysis. 2,463,566, Mar. 8.
- Sale, William H.: *See—*
Wilson, Otto E., and Sale.
- Salem Engineering (Canada) Limited, assignee: *See—*
Leaver, Eric W., and Mounce.
- Salem, Philip G., Akron, Ohio. End protector for rolled strip material. 2,460,434, Feb. 1.
- Saler, Jules N., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ice tray structure. 2,490,886, Dec. 13.
- Salerno, George F., Wilmette, Ill. Packaged food product and packing method. 2,489,726, Nov. 29.
- Sales Adliates, Inc., assignee: *See—*
McDonough, Everett G., and McGoldrick.
- Saletnik, Edward F.: *See—*
Turgeon, Edmond.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package. 2,457,924, Jan. 4.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package. 2,461,660, Feb. 15.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Composite package. 2,465,172, Mar. 22.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Infusion package. 2,468,464, Apr. 26.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Method and machine for packaging or wrapping of articles. 2,468,517, Apr. 26.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Machine for fabricating packages. 2,472,440, June 7.
- Salfisberg, Leroy L., South Orange, assignor to Seal-Craft, Incorporated, Newark, N. J. Power-operated hydraulic sealing and crimping machine. 2,476,629, July 19.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Machine and method for packaging and crushing tablets. 2,478,505, Aug. 9.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Alignment controlling packaging machine. 2,483,155, Sept. 27.
- Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package. 2,484,749, Oct. 11.
- Salinger, Gerhard T., Birmingham, assignor of one-half to O. Ney, London, England. Apparatus for thermostatically controlling the flow of a fluid fuel. 2,492,445, Dec. 27.
- Salinger, Hans W. G., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electron beam controlling system. 2,489,328, Nov. 29.
- Salinger, Hans W. G., and H. W. Beach, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Voltage distribution system. 2,472,727, June 7.
- Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation for fluoro-hydrocarbons. 2,469,848, May 10.
- Salisbury, Raymond R., Ann Arbor, Mich. Convertible stepladder. 2,470,053, May 10.
- Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Method and apparatus for producing neutrons. 2,489,436, Nov. 29.
- Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Cyclotron oscillator system. 2,492,324, Dec. 27.
- Salkind, William: *See—*
Le Compte, George C., and Salkind.
- Salkowitz, Mortimer B., Brooklyn, N. Y. Shock-proof bottle container. 2,458,737, Jan. 11.
- Sallmann, Richard, Gelterkinden, Switzerland, assignor to Ciba Limited. Urea derivatives and making same. 2,487,382, Nov. 8.
- Sallmann, Richard, Gelterkinden, assignor to Ciba Limited, Basel, Switzerland. Urea derivatives and making same. 2,487,383, Nov. 8.
- Sallmann, Richard, Gelterkinden, and C. Graenacher, Riehen, assignors to Ciba Limited, Basel, Switzerland. Condensation products of amides with bisulfites and aldehydes and making same. 2,479,782, Aug. 23.
- Salman, Abe, and M. B. Bartlett; said Bartlett assignor to said Salman, Cincinnati, Ohio. Plaster applying mechanism. 2,466,646, Apr. 5.
- Salminen, Ilmari F.: *See—*
Weissberger, Arnold, and Salminen.
Weissberger, Arnold, Salminen, and Vittum.
- Salmon, Joel V., Freer, Tex. Concrete construction form. 2,492,502, Dec. 27.
- Salmon, Reginald D.: *See—*
Thompson, Alfred E., and Salmon.
- Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Typewheel positioning mechanism for printing telegraph apparatus. 2,462,132, Feb. 22.
- Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Alarm device for indicating failure of the paper feed mechanism in teleprinters. 2,480,165, Aug. 30.
- Salmons, George C., and L. J. Dornbos, Stroudsburg, Pa., assignors to Line Material Company, Milwaukee, Wis. Aerial cable cutout. 2,457,925, Jan. 4.
- Salneu, George C., Havertown, Pa. Termination for electric discharge lamps. 2,486,497, Nov. 1.
- Salo, Martin, assignor to Eastman Kodak Company, Rochester, N. Y. Coating compositions for moisture-proofing by hot melt coating. 2,458,428, Jan. 4.
- Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Hot melt coating composition. 2,481,687, Sept. 13.
- Salomon, Allen N.: *See—*
Wainer, Eugene, and Salomon.
- Salomone, Rynold A.: *See—*
Hammerly, Herman J., and Salomone.
- Salsbury Corporation, assignee: *See—*
Hazzard, Harry I.
- Salsbury's, Dr., Laboratories, assignee: *See—*
Morehouse, Neal F.
Peterson, Oliver H.
- Salter, H. B., Manufacturing Company, assignee: *See—*
Wagner, Cletus P.
- Salter, James M., Geiger Field, Wash. Jack. 2,467,500, Apr. 19.
- Salter, Shirley C.: *See—*
Cook, James M., and Salter.
- Salvans, Jacinto F., Barcelona, Spain. Square section cable for power transmission. 2,469,178, May 3.
- Salvesen, Jorgen R., and C. Harmon, Wausau, and W. C. Browning, Schofield, assignors to Marathon Corporation, Rothschild, Wis. Lignin dispersing agents and making same. 2,491,832, Dec. 20.
- Salvin, Victor S.: *See—*
Seymour, George W., and Salvin.
Seymour, George W., Salvin, and Jones.
- Salz, Max, New York, N. Y. Color facsimile apparatus. 2,473,729, June 21.
- Salzberg, Louis, Newark, N. J., and E. J. Hughes, Jr., Larchmont, N. Y. Golf bag. 2,471,169, May 24.
- Salzberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl cyanide. 2,476,771, July 19.
- Salzmann, Jacob A., Forest Hills, N. Y. Maxillo dental measuring instrument. 2,491,136, Dec. 13.

- Sam, Sam W.: *See*—
Pawlansky, Sam.
- Samco Holding Corporation, assignee: *See*—
Walter, Jules G., and Cohn.
- Samet, Frank I., New York, N. Y. Musical instrument. 2,478,549, Aug. 9.
- Sameth, Sigmund, New York, N. Y. Eye protector. 2,491,137, Dec. 13.
- Sameth, Sigmund, New York, N. Y. Shoulder pad. 2,492,890, Dec. 27.
- Samiran, David, Osborn, Ohio. Float valve for fuel systems. 2,491,521, Dec. 20.
- Sammis, Louis B., and R. L. Keck, Wallace, Calif. Processing olives. 2,464,947, Mar. 22.
- Sammons, Harvey L., Naval Base, S. C. Thread holder. 2,491,585, Dec. 20.
- Sammons, Herbert, Gerrards Cross, assignor to D. Napier & Son Limited, London, England. Prevention of ice formation in air intakes on aircraft and other fast-moving vehicles. 2,482,720, Sept. 20.
- Sammons, Herbert, Gerrards Cross, and C. L. Cowdrey, Markyate, assignors to D. Napier & Son Limited, London, England. Air intake system of internal-combustion engines. 2,474,068, June 21.
- Sammons, Paul R., Corpus Christi, Tex., assignor to Specialties, Inc. Serving tray for vehicles. 2,475,202, July 5.
- Samoiloff, Leon A., assignee: *See*—
Bary, Woldemar A.
- Sample, Milton B., Elizabeth City, N. C. Potato digger and sacker. 2,468,639, Apr. 26.
- Sampsel, Arthur V., Spring Valley, assignor to Sears, Roebuck and Co., Chicago, Ill. Sequencing control apparatus. 2,466,914, Apr. 12.
- Sampsel Time Control, Inc., assignee: *See*—
Bowland, Richard.
- Sampson, Archer M., Muskegon, Mich. Rotary disk shaver with axially manually fed pusher. 2,487,597, Nov. 8.
- Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,486,064, Oct. 25.
- Sampson, Frederick W., Dayton, Ohio, and G. J. Hyde, Brooklyn, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Cocking bolt of machine guns. 2,458,647, Jan. 11.
- Sampson, Frederick W., and P. H. Hamisch, Dayton, Ohio, assignors to General Motors Corporation. Semiautomatic firearm converted to full automatic. 2,465,487, Mar. 29.
- Sampson, Frederick W., and E. P. Harris, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Machine for making tubing. 2,489,503, Nov. 29.
- Samsel, Richard W.: *See*—
Alois, Frank J., and Samsel.
- Samson, Joseph O., Montreal, Quebec, Canada. Triple stage rotary beater mill. 2,466,828, Apr. 12.
- Samson, Kurt A. R., Beckenham, E. D. McConnell, West Wickham, and D. McMullan, Wallingford, assignors to Cinema-Television Limited, London, England. Partitioned projection cathode-ray tube. 2,466,329, Apr. 5.
- Samstag, Adam, United States Navy. Electrical testing device. 2,463,567, Mar. 8.
- Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic high-voltage generator discharge device. 2,464,349, Mar. 15.
- Samuel, Norman M., Ottawa, Ontario, Canada. Cooking utensil. 2,484,963, Oct. 18.
- Samuel Stamping and Enameling Company, assignee: *See*—
Shelton, Rob R., and Rau.
Shelton, Roy.
Zimbelman, George W.
Zimbelman, George W., and Shelton.
- Samuelson, Otto H., Muncie, assignor to S. & Z. Manufacturing Company, Inc., Indianapolis, Ind. Vacuum blow head. 2,467,000, Apr. 12.
- Sanbonmatsu, Yoshio, Holtville, Calif. Closure for fountain pens. 2,479,414, Aug. 16.
- Sanborn, John W.: *See*—
Boerner, Thomas J., and Sanborn.
- Sanborn Systems, Inc., assignee: *See*—
Sanborn, William L.
- Sanborn, William L., Milwaukee, Wis., assignor, by mesne assignments, to Cleaver-Brooks Company. Air directing means in gun type burners. 2,473,347, June 14.
- Sanborn, William L., Whitefish Bay, Wis., assignor to Sanborn Systems, Inc. Atomizing device for oil burners. 2,485,244, Oct. 18.
- Sanchioni, Erte, Needham, Mass. Shoe and making same. 2,485,114, Oct. 18.
- Sanchis, Jose, Newark, N. J. Filling device with receptacle operated outlet valve. 2,469,746, May 10.
- Sanchis, Jose, Newark, N. J. Air conditioning apparatus. 2,480,306, Aug. 30.
- Sancken, Carl C., Sauemin, Ill. Telescopic wagon tongue. 2,468,377, Apr. 26.
- Sand, Charles H.: *See*—
Hencke, William S., and Sand.
- Sandberg, Nels H., Minneapolis, assignor to Waldorf Paper Products Company, St. Paul, Minn. Stacking conveyor. 2,477,830, Aug. 2.
- Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Switch structure and steering column lock. 2,478,016, Aug. 2.
- Sandberg, Rolf A. F.: *See*—
De Giers, Clarence A., and Sandberg.
- Sandebond Patents, Inc.: *See*—
Sanford, Hugh W.
- Sandemar, Birger C.: *See*—
Swanstrom, Klas A., and Sandemar.
- Sander, Hans C., Denver, Colo., assignor to Continental Oil Company, Ponca City, Okla. Pump piston. 2,460,948, Feb. 8.
- Sanders, Arthur F., Penzance, England. Control of fuel-injection engines. 2,474,121, June 21.
- Sanders, Dorothy M., and I. V. Avey, San Marcos, Tex. Rag doll. 2,483,325, Sept. 27.
- Sanders, Edwin R., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Tester for electronic discharge devices. 2,485,924, Oct. 25.
- Sanders, Elmore J., San Gabriel, Calif., assignor to Evans Products Company, Detroit, Mich. Front type thermostat mounting. 2,472,728, June 7.
- Sanders, Eric, assignee: *See*—
Ransom, Jack.
- Sanders, Ernest E., Detroit, Mich. Refrigerated display case. 2,465,934, Mar. 29.
- Sanders, Francis A., Drexel Hill, Pa., assignor to Fred'k H. Levey Co., New York, N. Y. Ink package having an adjustable sealer. 2,465,755, Mar. 29.
- Sanders, Herbert L.: *See*—
Cauwenberg, Winfred J., and Sanders.
Fox, Arthur L., Sanders, and Olsen.
- Sanders, Joseph J., Philadelphia, Pa. Headstock fixture for grinding cutting tools. 2,482,802, Sept. 27.
- Sanders, Joseph O., Vivian, La. Gas lift. 2,463,317, Mar. 1.
- Sanders, Judson H., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Selective enzyme hydrolysis. 2,485,779, Oct. 25.
- Sanders, Julius T., assignee: *See*—
Maltba, I. L.
- Sanders, Paul A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanized polymers of chloroprene. 2,482,293, Sept. 20.
- Sanders, Richard D., Phoenixville, Pa. Tubular article comprising rubber-like material. 2,458,305, Jan. 4.
- Sanders, Royden C., Jr., Chestnut Hill, Mass., and D. Blitz, Princeton, N. J., assignors to Radio Corporation of America. Radio bomb release system. 2,458,429, Jan. 4.
- Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Comparator circuits for radio locators. 2,459,457, Jan. 18.
- Sanders, Royden C., Jr., Lexington, and W. R. Mercer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Modulation apparatus. 2,468,237, Apr. 26.
- Sanders, Sanford E. A., Los Angeles, Calif., assignor to Sta-Neet Corporation. Haircutting comb. 2,461,444, Feb. 8.
- Sanders, Thomas A., Philadelphia, Pa. Means for splicing electrical conductors. 2,467,913, Apr. 19.
- Sandersen, Gerard L., North Haven, K. K. Nielsen and C. Campbell, Essex, Conn.; said Nielsen and said Campbell assignors to said Sandersen. Expanding chuck or mandrel. 2,464,156, Mar. 8.
- Sanderson, Albert E., Wayland, Mass. Surveying instrument. 2,485,846, Oct. 25.
- Sanderson, William J., Fort Erie, Ontario, Canada, and B. J. Westover, Indianapolis, Ind., assignors to the United States of America as represented by the Secretary of Agriculture. Packaging and supporting sleeve. 2,478,172, Aug. 9.
- Sandford, Dent, Philadelphia, Pa., assignor of one-half to P. J. Delahanty Cliffside Park, N. J. Apparatus for promoting recirculation and reducing ebullition and priming in evaporators. 2,479,267, Aug. 16.
- Sandin, Jerome, Forest Hills, and T. Lindstrom, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resilient stop and position limiting means for circuit interrupters. 2,492,009, Dec. 20.
- Sandin, Jerome, Pittsburgh, J. K. Kraft, Wilkinsburg, and H. L. Rawlins, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,459,583, Jan. 18.
- Sandison, Alexander G. S., Brantford, Ontario, Canada. Machine for fabricating strakes for boat construction or the like. 2,471,780, May 31.
- Sandler, Jack, South Orange, assignor to Hungerford Plastics Corporation, New Providence, N. J. Manufacture of plastic molding powders. 2,477,009, July 26.
- Sandler, Jack, South Orange, assignor to Hungerford Plastics Corporation, New Providence, N. J. Apparatus for the manufacture of plastic molding powders. 2,477,269, July 26.
- Sandman, Leo A., assignee: *See*—
Walton, Harry J.
- Sandor, William C., Parma, Ohio. Golf ball retriever. 2,482,294, Sept. 20.

- Sandoz Limited, assignee: *See*—
Grandjean, Philippe.
Gutzwiller, Ernst.
Knecht, Oscar, and Wirth.
Steinemann, Willy.
Von Allmen, Samuel, and Eggenberger.
Wehrli, Walter, and Kehrer.
- Sandoz Ltd., assignee: *See*—
Ischer, Hans.
Kartaschoff, Valentin.
Wehrli, Walter.
- Sandoz-Peter, Lore, Bienne, Switzerland, assignor to Bulova Watch Co. Inc., New York, N. Y., Succursale de Bienne, Bienne, Switzerland. Vertically reciprocating gyratory screen. 2,464,417, Mar. 15.
- Sandoz, Victor H. C., Saint-Nicolas d'Aliment, France. Grinding and the like machine. 2,489,437, Nov. 29.
- Sands, Henry F., Cranston, R. I. Portable door fastener. 2,461,398, Feb. 8.
- Sands, Jack E.: *See*—
Campbell, Kenneth S., and Sands.
- Sands, Robert E., Philadelphia, Pa. Method of and apparatus for finishing garments. 2,473,823, June 21.
- Sands, Roy G., Waukegan, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Protective device. 2,463,718, Mar. 8.
- Sands, William F., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation receiver. 2,488,606, Nov. 22.
- Sands, William F., West Collingswood, N. J., assignor to Radio Corporation of America. Permeability tuning system. 2,486,986, Nov. 1.
- Sandstrom, George R.: *See*—
Pearson, Charles B., and Sandstrom.
- Sandula, John: *See*—
Behnke, George W., Westcott, and Sandula.
- Sandvikens Jernverks Aktiebolag, assignee: *See*—
Hard af Segerstad, Carl G.
- Sandy, Andrew, Youngstown, Ohio. Nonabrasive clamp for flexible electrical conductors. 2,475,339, July 5.
- Sandy Hill Iron & Brass Works, The, assignee: *See*—
Hayes, Millard F.
- Saner, William R.: *See*—
Alles, Francis P., and Saner.
- Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping mechanism. 2,458,738, Jan. 11.
- Sanford, Hugh W., Knoxville, Tenn. Receptacle closure. 2,465,662, Mar. 29.
- Sanford, Hugh W., assignor to Sandebond Patents, Inc., Knoxville, Tenn. Drive mechanism. 2,484,187, Oct. 11.
- Sanford Investment Company, The, assignee: *See*—
Sanford, Hugh W.
- Sanford, Roy S., Woodbury, Conn., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,475,723, July 12.
- Sanford, Roy S., Woodbury, assignor to Autoyre Company, Incorporated, Oakville, Conn. Container. 2,476,948, July 19.
- Sanford, Roy S., Woodbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Shelf bracket. 2,477,771, Aug. 2.
- Sanford, Roy S., Woodbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Fixture. 2,489,543, Nov. 29.
- Sanford, Roy S., Woodbury, and W. J. Andres, Waterbury, assignors to The Autoyre Company, Incorporated, Oakville, Conn. Cartridge belt link. 2,480,972, Sept. 6.
- Sanitary Scale Company, assignee: *See*—
Karp, Edward C.
- Sankey, Charles A., and H. B. Marshall, St. Catharine's, Ontario, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Separation of vanillin from alkaline solutions. 2,489,200, Nov. 22.
- Sankey, Joseph, & Sons Limited, assignee: *See*—
Stockton, George W.
- Sankowsky, Nicholas A., Scotch Plains, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Preparation of pyrethrin concentrate. 2,467,859, Apr. 19.
- Sanmyer Corporation, assignee: *See*—
Senninger, Earl J.
- Sans, Marcel, Lyon, Y. Linizan, Paris, and R. Michon, Saint-Fons, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Preparing resinous moulding powders. 2,467,055, Apr. 12.
- Sansbury, Thomas B., Orlando, Fla. Hydraulic spader and agitator for concrete block machines. 2,492,538, Dec. 27.
- Santana, Alfred H., Baltimore, Md. Brush cover. 2,485,068, Oct. 18.
- Santee, Carl M., Dixon, Ill. Heat pump means for controlling the temperature of the walls of a room. 2,462,557, Feb. 22.
- Santini, Danilo, Tenafly, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Zoned elevator system. 2,492,010, Dec. 20.
- Santilli, Henry T., Brooklyn, N. Y. Flashlight device. 2,468,640, Apr. 26.
- Santley, Frances T.: *See*—
Santley, Joseph F., and F. T.
- Santley, Joseph F., and F. T., San Francisco, Calif. Pack-away table for portable sewing machines. 2,483,106, Sept. 27.
- Santo, Steven, Deep River, Conn. Food forming machine. 2,475,463, July 5.
- Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism for looms. 2,486,885, Nov. 1.
- Santoro, Antonio, Sr., Brooklyn, N. Y. Combination hair trimmer and razor. 2,488,436, Nov. 15.
- Santos, Santiago, Brooklyn, N. Y. Mounting for curtain rods. 2,468,238, Apr. 26.
- Santro, Frank, San Francisco, Calif. Cutting tool. 2,480,307, Aug. 30.
- Sapers, Ira: *See*—
Cook, Alton A., and Sapers.
- Sapp, John P.: *See*—
Sternad, Frank S., and Sapp.
- Sapp, John P., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle wheel assembly and mounting. 2,463,121, Mar. 1.
- Sappington, Thomas B., Port Arthur, Tex. Pressure equipment. 2,478,506, Aug. 9.
- Sarac, Rade, Flint, Mich. Clothesline reel. 2,476,772, July 19.
- Saran Research Corporation, assignee: *See*—
Schwartz, Nathan R.
- Sarason, Paul: *See*—
Bucky, Peter A., and Sarason.
- Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Amino alcohols as softeners in butadiene-styrene copolymers. 2,460,600, Feb. 1.
- Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat-resistant composition. 2,482,600, Sept. 20.
- Sarchet, Thomas H., Spokane, Wash. Combination bathroom fixture. 2,481,624, Sept. 13.
- Sarchet, Thomas H., Spokane, Wash. Air-conditioning unit. 2,481,625, Sept. 13.
- Sardeson, Robert: *See*—
Dye, Glen M., Maddock, Sardeson, and Savela.
- Sardeson, Robert, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Film loading device. 2,457,926, Jan. 4.
- Sare, Otto C., Ravenswood, assignor to E. C. Atkins and Company, Indianapolis, Ind. Pinch lock. 2,467,914, Apr. 19.
- Sare, Otto C., Indianapolis, Ind. Latch. 2,484,964, Oct. 18.
- Sarett, Ben L., assignee: *See*—
Baker, Dwight L.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Process of treating pregnene compounds. 2,462,133, Feb. 22.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Chemical compounds and preparing the same. 2,492,188, Dec. 27.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 3,17-dihydroxy-11-ketopregnenes-20 and process. 2,492,189, Dec. 27.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. $\Delta^{20,21}$ -3,17-dioxy-11-ketopregnenes and process. 2,492,190, Dec. 27.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 21-bromopregnenes. 2,492,191, Dec. 27.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. $\Delta^{17,20}$ -3,21-dioxy-11-ketopregnenes and process. 2,492,192, Dec. 27.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Chemical compounds and preparing the same. 2,492,193, Dec. 27.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Chemical compounds and preparing the same. 2,492,194, Dec. 27.
- Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 3,11-diketo-4-bromo-17(β)-hydroxy-20,21-diacetoxypregnane. 2,492,195, Dec. 27.
- Saretzky, Simon, Newton, assignor, by mesne assignments, to Holtzer-Cabot, Inc., Boston, Mass. Synchronous motor. 2,483,848, Oct. 4.
- Sarff, Rosalia Z., New York, N. Y. Holder for cosmetics. 2,466,783, Apr. 12.
- Sargent, Albert F.: *See*—
Johnson, Nellie S., and Sargent.
- Sargent & Company, assignee: *See*—
Oxhandler, Samuel.
Stronach, Rupert G.
Voight, Henry G.
- Sargent, Donald E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers from ethylene and carbon dioxide. 2,462,680, Feb. 22.
- Sargent, Donald E., Easton, Pa., assignor to American Cyanamid Company, New York, N. Y. Alkamine esters of pyrrole-3,4-dicarboxylic acids. 2,464,770, Mar. 15.
- Sargent, Donald E., and W. E. Hanford, Easton, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of olefine polymers. 2,467,254, Apr. 12.
- Sargent, Herbert: *See*—
Ladd, Elbert C., and Sargent.

- Sargrove, John A., Shepperton-on-Thames, England. Manufacturing electrical network circuits. 2,474,988, July 5.
- Sargrove, John A., Shepperton-on-Thames, England. Circuit arrangement for electronic tube operating on dynamic grid current principles. 2,485,925, Oct. 25.
- Sarioni Company, Inc., assignee: *See—*
Curioni, Aldo R.
- Sark, Astra I., Ollerton, Knutsford, England. Multi-color printing. 2,482,941, Sept. 27.
- Sarlo, Tony, Pueblo, Colo. Yarn holder. 2,479,415, Aug. 16.
- Sarnataro, Ralph, and L. Frediani, New York, N. Y. Fixture. 2,487,072, Nov. 8.
- Sarosdy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Carrier for tunnel forms. 2,486,801, Nov. 1.
- Sarra, Mario, New Britain, Conn. Lamp shade. 2,473,768, June 21.
- Sarria, Nelida, Buenos Aires, Argentina. Space heating. 2,479,268, Aug. 16.
- Sarratt, Everett R., Belleville, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Grid biasing system. 2,492,196, Dec. 27.
- Sarsfield, Norman F., Runcorn, England, assignor to Imperial Chemical Industries Limited. Production of fluorocarbons. 2,473,911, June 21.
- Sarsfield, Norman F., Runcorn, England, assignor to Imperial Chemical Industries Limited. Production of fluorine-containing hydrocarbon derivatives. 2,478,666, Aug. 9.
- Sartain, Louis E.: *See—*
Carter, Edward H., and Sartain.
- Sartin, Hansel, Tujunga, Calif. Artificial limb. 2,483,506, Oct. 4.
- Sartori, Mario F.: *See—*
Hunt, Madison, Weinmayr, and Sartori.
- Sartorius, William: *See—*
Reddert, Earl J., and Sartorius.
- Sas, Arthur F., Holland, Mich. Cigarette roller. 2,471,656, May 31.
- Sasgen, Anthony M., assignor to Grand Specialties Company, Chicago, Ill. Production of headed rods. 2,464,655, Mar. 15.
- Sasgen, Anthony M., assignor to Grand Specialties Company, Chicago, Ill. Production of headed rods. 2,464,656, Mar. 15.
- Sasgen, Anthony M., Chicago, Ill. Quick action C-clamp. 2,490,923, Dec. 13.
- Saslaw, Max R.: *See—*
Cohoe, Wallace P., and Saslaw.
- Sass, Thomas, Muskegon, Mich. Concrete form tie rod. 2,486,683, Nov. 1.
- Sasser, John D., assignor to The Steel Products Engineering Company, Springfield, Ohio. Altitude responsive control and signal device. 2,468,945, May 3.
- Satanowsky, Isidro, assignee: *See—*
Pérez, José G.
- Sather, Kenneth E.: *See—*
Spangler, Caleb K., and Sather.
- Satona Limited, assignee: *See—*
Vivian, George S.
- Satre, Pierre H., Toulouse, France, assignor to S. A. Societe Nationale De Constructions Aeronautiques Du Sud-Est. Retractable undercarriage for aircraft. 2,478,426, Aug. 9.
- Sattler, Edward J., Mineral City, Ohio. Vehicle unloading construction. 2,458,799, Jan. 11.
- Sattler, Frank A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyester amide resin solution containing mixed solvents. 2,482,515, Sept. 20.
- Saucet, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Sealed demountable joint for vacuum tubes. 2,485,926, Oct. 25.
- Saucet, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Lead-in structure for vacuum tubes. 2,486,065, Oct. 25.
- Sauer, George: *See—*
Christensen, Norman V., and Sauer.
- Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine unit. 2,474,331, June 28.
- Sauer, John C.: *See—*
Joyce, Robert M., Jr., and Sauer.
- Sauer, Louis E., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Connector. 2,462,227, Feb. 22.
- Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Hydrocarbon-substituted silyl methane compounds. 2,491,833, Dec. 20.
- Sauer, Ronald A., Cleveland, Ohio. Commutator. 2,492,657, Dec. 27.
- Sauerborn, Eugene P., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Manufacture of metal contact rectifiers. 2,462,906, Mar. 1.
- Sauerland, Joseph, West New York, N. J., assignor to Hardman, Peck & Company, New York, N. Y. Piano soundboard. 2,469,522, May 10.
- Sauers, E. W., assignee: *See—*
Smith, David C.
- Saukkonen, Eino, New York, N. Y. Swim and gymnasium sandal with variable adjustment straps. 2,486,886, Nov. 1.
- Saul, August A., Ross Township, Allegheny County, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Apparatus having relatively movable members and fastening mechanism therefor. 2,492,818, Dec. 27.
- Saul, Samuel, Jr., Pittsburgh, Pa. Bin with movable bottom. 2,468,115, Apr. 26.
- Saulino, Anthony J., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Bonding rubber to metal. 2,468,239, Apr. 26.
- Saulnier, Raymond, Paris, France. Retractable landing gear for aircraft. 2,474,694, June 28.
- Saulnier, Raymond, Paris, France. Retractable landing gear. 2,487,598, Nov. 8.
- Saunders, Bernard C.: *See—*
McCombie, Hamilton, Saunders, Chapman, and Heap.
- Saunders, Ferdinand A., Nedrow, N. Y. Showcase with display racks therein. 2,461,698, Feb. 15.
- Saunders, Fred B., Tarpon Springs, Fla. Garment hanger. 2,460,905, Feb. 8.
- Saunders, James H.: *See—*
Slocombe, Robert J., Hardy, and Saunders.
- Saunders, Orson V., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,463,999, Mar. 8.
- Saunders, Orson V., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus having condensate collecting means. 2,485,115, Oct. 18.
- Saunders, Philip K., Mamaroneck, N. Y. Hose. 2,471,081, May 24.
- Saunders, Robert P., Rochester, N. Y. Photographic enlarging easel. 2,458,648, Jan. 11.
- Saunders, William, assignee: *See—*
Jones, Thomas H.
- Saurenman, Dean F., Houston, Tex., assignor to Baker Oil Tools, Inc., Vernon, Calif. Plug trap and indicator apparatus. 2,467,860, Apr. 19.
- Saurer, Curt, Detroit, Mich., assignor to The Ohio Rubber Company, Willoughby, Ohio. Resilient mounting for motors and the like. 2,463,059, Mar. 1.
- Saurer, Curt, Detroit, Mich., assignor to The Ohio Rubber Company, Willoughby, Ohio. Picker bumper for looms. 2,491,909, Dec. 20.
- Sauter, Joseph H.: *See—*
Maull, Harry W., and Sauter.
- Sauter, Proceeds, assignee: *See—*
Lelong, Jean.
- Sauvey, Lawrence E., Lakeside, Ohio. Fishhook supporting frame. 2,462,290, Feb. 22.
- Savage, Albert B.: *See—*
Swinehart, Richard W., Savage, and Kuhlman.
- Savage Arms Corporation, assignee: *See—*
Green, Frank T.
Smith, Wilfred I.
Swart, Richard H.
- Savage, Charles H., Morristown, N. J., assignor to Crucible Steel Company of America, New York, N. Y. Heat treatment of cobalt base alloys and products. 2,486,576, Nov. 1.
- Savage, George M.: *See—*
Vander Brook, Milton J., and Savage.
- Savage, Lawrence A., Pelzer, S. C., assignor to The Kendall Company, Boston, Mass. Fabric. 2,463,122, Mar. 1.
- Savage, Ralph B., Pittsburgh, Pa. Straddle truck load receptacle. 2,462,907, Mar. 1.
- Savage, Robert L.: *See—*
Stoner, George G., and Savage.
- Savage, W. J., Company, Inc., assignee: *See—*
Fulton, Weston M.
- Saval, Joseph A., Jamaica, assignor to Joseph Aronauer Incorporated, Brooklyn, N. Y. Marginal frame for spring assemblies. 2,487,384, Nov. 8.
- Savard, Arthur J., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Vapor recovery system for airplane fuel tanks. 2,472,622, June 7.
- Savard, Kenneth, Montreal, Quebec, Canada, assignor, by mesne assignments, to Ayerst, McKenna & Harrison Limited, New York, N. Y. Synthesis of dl-methionine. 2,485,116, Oct. 18.
- Savastone, John N., Steubenville, Ohio, assignor to National Steel Corporation. Oil applying apparatus for strip material. 2,492,539, Dec. 27.
- Savella, Edward H.: *See—*
Dye, Glen M., Maddock, Sardeson, and Savella.
- Sardeson, Robert, and Savella.
- Savery, Thomas, Pumps Limited, assignee: *See—*
Rodaway, Edgar O.
- Savidge, Clinton W., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn. Refrigerator unit. 2,470,956, May 24.
- Savilatz, William, New York, N. Y. Device to aid in the plotting of curves. 2,466,559, Apr. 5.
- Saville, Willie, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electrical signaling system. 2,484,188, Oct. 11.
- Savitt, Samuel A., Chicago, Ill. Toy gun. 2,487,481, Nov. 8.
- Savoie, Mark E., Cleveland, Ohio. Mechanical pencil with lead storage unit. 2,458,739, Jan. 11.

- Savoie, Mark E., Cleveland, Ohio. Variable grip-tip pencil with screw feed. 2,491,061, Dec. 13.
- Savoy, Michael: *See—*
Bond, Donald C., and Savoy.
- Savrdá, Charles M., Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Fish filleting machine. 2,478,713, Aug. 9.
- Savrdá, Charles M., Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Ribbing knife. 2,484,426, Oct. 11.
- Savrdá, Charles M., Bay Shore, N. Y., and W. H. Hunt, National City, Calif., assignors, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Fish treating machine. 2,463,060, Mar. 1.
- Sav-Way Industries, Inc., assignee: *See—*
Safady, Thomas F.
- Sawall, Ervin F., Kerman, Calif. Power lift for implements. 2,464,615, Mar. 15.
- Sawatzki, Felix C., assignor to Sporting Specialties Company, Coloma, Mich. Coupling. 2,458,209, Jan. 4.
- Sawtelle, Charles A., Rosedale Gardens, Mich. Liquid pressure brake mechanism. 2,459,394, Jan. 18.
- Sawyer, David W.: *See—*
Stillson, Gordon H., and Sawyer.
- Sawyer, Marc C., Otsego County, assignor to Bendix Aviation Corporation, New York, N. Y. Magneto generator. 2,482,875, Sept. 27.
- Sawyer, Marshall W., Los Angeles, and H. L. Tedford, Santa Monica, Calif. Bailing device. 2,479,783, Aug. 23.
- Sawyer Tanning Company, assignee: *See—*
Jacot, Harold E.
- Sawyer, Tom V., assignor of one-half to D. M. Crooks, Chicago, Ill. Radiator enclosure. 2,476,432, July 19.
- Sawyer, William F., Brighton, Mich. Chuck for wood bit braces. 2,468,465, Apr. 26.
- Saye, John F., Powersite, Mo. Hair drier. 2,471,657, May 31.
- Saye, John F., Powersite, Mo. Refrigerating means. 2,473,730, June 21.
- Sayer, Frederick G.: *See—*
Berger, Frank M., Bradley, and Sayer.
- Sayers, John L., Watford, assignor to A. Greening, Sparrows Herne, Bushey, England. Jointing of flexible pipes. 2,470,373, May 17.
- Sayers, Lillian H.: *See—*
Hunau, Lillian.
- Sayles, Raymond E., Kansas City, Mo. Cloth spreading machine. 2,478,840, Aug. 9.
- Saylor, Wilbur A., Ontario, assignor to Kaiser Company, Inc., Oakland, Calif. Ingot casting apparatus. 2,475,805, July 12.
- Sayward, John M., and D. E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Rocket propulsion utilizing hydrocarbon sulfate turpentine, nitric acid, and sulfuric acid or oleum. 2,489,051, Nov. 22.
- Sax, Nathan E., assignor to American Buff Company, Chicago, Ill. Bufling wheel. 2,468,686, Apr. 26.
- Scaff, Jack H., Summit, N. J., and H. C. Theuerer, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating material of silicon base. 2,485,069, Oct. 18.
- Scaife, Charles W.: *See—*
Smith, Arthur E. W., Scaife, and Baldock.
- Scaife, Charles W., Norton-on-Tees, A. E. W. Smith, Wallingford, and H. Baldock, deceased, by H. Baldock, legal representative, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of nitro olefines. 2,460,243, Jan. 25.
- Scaife Company, assignee: *See—*
Morgan, Dwight C., Jr.
- Scalera, Mario: *See—*
Eberhart, Dale E., Lecher, and Scalera.
Lecher, Hans Z., Scalera, and Forster.
Lecher, Hans Z., Scalera, Joyce, and Forster.
- Scalera, Mario, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Purification of vat dyestuffs. 2,483,238, Sept. 27.
- Scalera, Mario, Somerville, and A. W. Joyce, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Benzanthronylamino dianthrimide acridones. 2,463,810, Mar. 8.
- Scalera, Mario, Somerville, and A. W. Joyce, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Diamino dianthrimide acridones. 2,468,605, Apr. 26.
- Scalera, Mario, and W. S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Making isodibenzanthrone. 2,468,606, Apr. 26.
- Scalera, Mario, Somerville, and A. W. Joyce, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Benzanthrone acridine dianthrimide acridones. 2,475,521, July 5.
- Scalera, Mario, Somerville, and D. R. Eberhart, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing alpha-aminoanthraquinones. 2,486,210, Oct. 25.
- Scales, Baxter B., and F. T. Siersma, Atlanta, Ga. Safety fuel tank. 2,465,173, Mar. 22.
- Scalia, Alfred, Chicago, Ill. Signaling and remote control system for mailboxes. 2,465,935, Mar. 29.
- Scandore, Nicholas, Brooklyn, N. Y. Display box. 2,477,902, Aug. 2.
- Scanlan, John T.: *See—*
Swern, Daniel, Scanlan, and Findley.
- Scanlon, Frank B., Beachwood, N. J. Door operated safety device for oil burning furnaces. 2,469,082, May 3.
- Scaparo, Joseph A., Brooklyn, N. Y. Nutsucker with adjustable spacer cam. 2,481,447, Sept. 6.
- Scarborough, William B., assignee: *See—*
Potchen, Joseph A.
- Scaringella, Vito V., Woodlynne, N. J. Pipe joint. 2,482,558, Sept. 20.
- Scarlett, Arthur A., and H. N. James, assignors to International Harvester Company of Canada Limited, Hamilton, Ontario, Canada. Lift mechanism for disk plows. 2,469,579, May 10.
- Scarlett, Eddie S., South Pasadena, Calif. Telephone shoulder rest. 2,486,438, Nov. 1.
- Scarlett, George R., Oakland, Calif. Prefabricated chair. 2,486,987, Nov. 1.
- Scarpellino, Louis A., Kansas City, Mo. Body member rest for X-rays. 2,478,597, Aug. 9.
- Scarth, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Pipe line transportation of fine solids. 2,478,326, Aug. 9.
- Scavullo, Angelo C., assignor to V. K., F., and C. Scavullo, M. S. Saeger, and M. S. Scott, all of Forest Hills, N. Y. Method of producing copperplated culinary vessels. 2,465,608, Mar. 29.
- Scavullo, Charles, assignee: *See—*
Scavullo, Angelo C.
- Scavullo, Frank, assignee: *See—*
Scavullo, Angelo C.
- Scavullo, Victor K., assignee: *See—*
Scavullo, Angelo C.
- Schaad, Theodore A., Detroit, Mich. Jet-propelled airplane toy. 2,484,468, Oct. 11.
- Schaaf, Oliver H., Chagrin Falls, assignor to Air-Maze Corporation, Cleveland, Ohio. Zigzag filter construction. 2,471,548, May 31.
- Schaal, Earl V.: *See—*
Paulus, William, and Schaal.
- Schaal, Earl V., East Aurora, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,488,642, Nov. 22.
- Schaal, Robert B., Independence, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Separation of cobalt and nickel from solutions. 2,488,561, Nov. 22.
- Schaar, Charles H.: *See—*
Erdle, Reiner W., and Schaar.
- Schachinger, Edward A., Flushing, N. Y. Watchman's tour lock station. 2,486,439, Nov. 1.
- Schacht, Aleen, New York, N. Y. Adjustable halter. 2,484,467, Oct. 11.
- Schacht, Louis L., New York, N. Y. Door closer and check. 2,468,410, Apr. 26.
- Schacht, Robert W., assignee: *See—*
Schacht, William F.
- Schacht, William F., deceased; W. J. Schacht, executor, assignor to W. F. Schacht II, and R. W. Schacht, Huntington, Ind. Cattle marker with means to limit the swinging movement of the marker plate. 2,461,777, Feb. 15.
- Schacht, William F., deceased; W. J. Schacht, executor, assignor to W. F. Schacht II, and R. W. Schacht, Huntington, Ind. Caster. 2,461,778, Feb. 15.
- Schacht, William F., II, assignee: *See—*
Schacht, William F.
- Schacht, William J., executor: *See—*
Schacht, William F.
- Schackett, Jay L.: *See—*
Schackett, Mortimer M. and J. L.
- Schackett, Mortimer M. and J. L., Brooklyn, N. Y. Interchangeable plant and flower receptacle. 2,463,719, Mar. 8.
- Schade, Arthur L.: *See—*
Wallerstein, James S., Schade, and Levy.
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Copyholder device. 2,465,698, Mar. 29.
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Making loose-leaf binder case constructions. 2,478,132, Aug. 2.
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 2,486,329, Oct. 25.
- Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Binder case construction for books. 2,486,330, Oct. 25.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Ring binder construction. 2,473,663, June 21.
- Schade, Leo P., Washington, D. C. Reamer. 2,479,136, Aug. 16.
- Schade, Otto H.: *See—*
Goodale, Elmer G., and Schade.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Color television. 2,458,649, Jan. 11.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Mount for electron tubes. 2,460,398, Feb. 1.

- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Method and apparatus for measuring persistence screen characteristics. 2,460,471, Feb. 1.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Cathode-ray tube deflecting system. 2,460,601, Feb. 1.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electron beam influencing apparatus. 2,463,720, Mar. 8.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Cathode-ray beam deflecting circuit. 2,466,784, Apr. 12.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Vertical blanking circuit for television transmitter systems. 2,471,903, May 31.
- Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Scanning circuit. 2,480,511, Aug. 30.
- Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Four component photographic objective having the first two cemented surfaces convex to the front. 2,461,182, Feb. 8.
- Schade, Willy, and W. Van Graafeiland, assignors to Eastman Kodak Company, Rochester, N. Y. Large aperture objective having four air spaced components. 2,481,688, Sept. 13.
- Schadt, George, Detroit, Mich., assignor to Schadt and Mathewson. Quilting machine. 2,490,887, Dec. 13.
- Schadt and Mathewson, assignee: *See—*
Schadt, George.
- Schaedler, Raymond J., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Wrench socket retainer. 2,490,478, Dec. 6.
- Schaefer, Harold M., Chicago, Ill. Adjustable pedestal stool. 2,469,896, May 10.
- Schaefer, Carl F.: *See—*
Schwartzwalder, Karl, and Schaefer.
- Schaefer, Earl H.: *See—*
Ensign, George G., Lawson, Schaefer, and Wochos.
- Schaefer, Edward J., Fort Wayne, Ind. Permanent magnet excited rotor. 2,488,437, Nov. 15.
- Schaefer, Francis J., Rensselaer, N. Y. Adjustable tray. 2,468,412, Apr. 26.
- Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,461,183, Feb. 8.
- Schaefer, Frederic, Pittsburgh, Pa. One-piece wear plate. 2,466,330, Apr. 5.
- Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,469,083, May 3.
- Schaefer, Frederic, Pittsburgh, Pa. Brake rigging with beam-retracting spring. 2,471,287, May 24.
- Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,486,066, Oct. 25.
- Schaefer, Frederic C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous compositions. 2,481,155, Sept. 6.
- Schaefer, Frederic C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Reaction products of a polyhydric alcohol and a triazine derivative and methods of preparing the same. 2,481,156, Sept. 6.
- Schaefer, Frederic M., Pittsburgh, Pa. Wear plate for brake hanger brackets. 2,488,242, Nov. 15.
- Schaefer, Hugo L., assignor to The Dow Chemical Company, Midland, Mich. Copolymeric vinylidene chloride compositions. 2,477,657, Aug. 2.
- Schaefer, Hugo L., assignor to The Dow Chemical Company, Midland, Mich. Copolymeric vinylidene chloride compositions. 2,477,658, Aug. 2.
- Schaefer, Hugo L., assignor to The Dow Chemical Company, Midland, Mich. Copolymeric vinylidene chloride composition. 2,477,659, Aug. 2.
- Schaefer, Hugo L., Midland, and C. B. Havens, Hope, assignors to The Dow Chemical Company, Midland, Mich. Copolymeric vinylidene chloride compositions. 2,477,656, Aug. 2.
- Schaefer, Ralph, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Friction material. 2,470,269, May 17.
- Schaefer, Ralph A.: *See—*
Luetkemeyer, Henry W., and Schaefer.
- Schafer, Robert A., assignor to National Automatic Tool Company, Inc., Richmond, Ind. Machine tool. 2,483,712, Oct. 4.
- Schaefer, Vincent J., Schenectady, N. Y., assignor to General Electric Company. Forming germanium films. 2,462,681, Feb. 22.
- Schaefer, Vincent J., Schenectady, N. Y., assignor to General Electric Company. Cloud moisture meter. 2,492,768, Dec. 27.
- Schaefer, William C.: *See—*
Evans, William G., and Schaefer.
- Schaeffer, Benjamin B., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Process. 2,484,469, Oct. 11.
- Schaeffer, Frank E., Gilroy, Calif. Telegraph key. 2,475,257, July 5.
- Schaeffer, Martin J., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,468,116, Apr. 26.
- Schaelchlin, Walter: *See—*
Hornbarger, Earl H., and Schaelchlin.
- Schaelchlin, Walter, and A. J. Winchester, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for multispeed alternating-current motors. 2,459,589, Jan. 18.
- Schaelchlin, Walter, Pittsburgh, Pa., and W. R. Harding, East Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage drive, particularly for hoisting equipment. 2,468,117, Apr. 26.
- Schaelchlin, Walter, Alden, N. Y., and A. J. Winchester, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for alternating-current multispeed motors. 2,488,438, Nov. 15.
- Schaetzly, William F., Louisville, Ky. Safety fuse shut-off for valves. 2,486,614, Nov. 1.
- Schaevitz, Herman, Collinswood, N. J. Resonant differential transformer. 2,461,238, Feb. 8.
- Schafer, Curtiss R., Rye, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electron beam telemetering system. 2,465,277, Mar. 22.
- Schäfer, Friedrich, Saint Gallen, Switzerland. Spoon ball. 2,476,388, July 19.
- Schafer, Glen H.: *See—*
Lloyd, William R., and Schafer.
- Schafer, Robert A., assignor to National Automatic Tool Company, Inc., Richmond, Ind. Multiple spindle machine tool. 2,458,740, Jan. 11.
- Schafer, Robert A., and R. B. Rodal, assignors to National Automatic Tool Company, Inc., Richmond, Ind. Machine tool. 2,464,996, Mar. 22.
- Schafer, Robert A., and R. B. Rodal, assignors to National Automatic Tool Company, Inc., Richmond, Ind. Hydraulic control apparatus for machine tools. 2,486,938, Nov. 1.
- Schaffel, Gerson S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polymers of condensation product of aryl diether dicarboxylic acid and dihydric alcohol. 2,470,651, May 17.
- Schaffer, Clarence E., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Flange-union spreader. 2,465,177, Mar. 22.
- Schaffer, Fred B., Kansas City, Mo. Golf club. 2,460,435, Feb. 1.
- Schaffer, Max, New York, N. Y. Bottle cap with measuring member. 2,487,274, Nov. 8.
- Schaffer, Ralph A., East Cleveland, and J. B. Mohler, Euclid, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Electrodeposition of lead-antimony-tin alloys. 2,461,350, Feb. 8.
- Schaffner, Robert M., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Loading in a multilayer vacuum drier. 2,477,660, Aug. 2.
- Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Stapling machine. 2,469,054, May 3.
- Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Stapling machine. 2,469,055, May 3.
- Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Anvil clinching stapling machine. 2,470,727, May 17.
- Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Stapling machine having retractable clinching anvils. 2,488,940, Nov. 22.
- Schafroth, Werner, Brookline, and G. M. Beal, Lansdowne, assignors to International Staple and Machine Company, Clifton Heights, Pa. Staple remover. 2,470,726, May 17.
- Schaible, Milton F.: *See—*
Gaiser, Roney A., and Schaible.
- Schaich, Wilbur A., Springfield, Mass. Machine gun ammunition feed belt. 2,472,861, June 14.
- Schaldach, Alvin J., and V. A. Blackburn, Sacramento, Calif. Automobile transport van. 2,461,927, Feb. 15.
- Schall, Egon, London, England, assignor to A.-G. Fuer Metallbearbeitung, St. Gallen, Switzerland. Changeable indicia for receptacle covers. 2,492,891, Dec. 27.
- Schall, Elmer J., Germania, Pa. Road sander. 2,461,779, Feb. 15.
- Schall, Myron R., Sacramento, Calif. Down indicator for football games with cross-shaped rotor and T-shaped case. 2,482,876, Sept. 27.
- Schallis, Alvin: *See—*
Walcott, Raymond H., and Schallis.
- Schallis, Alvin, Jersey City, N. J., assignor to Stauffer Chemical Company. Production of insoluble sulfur. 2,460,365, Feb. 1.
- Schandler, Charles: *See—*
McCarthy, Frederick I., and Schandler.
- Schantz, Gordon M., Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Automatic clutch control. 2,478,058, Aug. 2.
- Schantz, Gordon M., Allentown, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Air clutch control. 2,486,721, Nov. 1.
- Schantz, Joseph D., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Pulse and square wave generator. 2,459,723, Jan. 18.

- Schanzlin, Ernest H., Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Pump-pressure loaded-with unloading relief valve. 2,487,732, Nov. 8.
- Schaper, William A., Cicero, assignor to The Mantle Lamp Company of America, Chicago, Ill. Mounting and operating means for radio tuning units. 2,487,385, Nov. 8.
- Schapp, Adelbert, assignee: *See*—
Nawman, Cole S.
- Scharf, Frank W., Glendale, Mo., assignor to McGraw Electric Company, Elgin, Ill. Electrically heated sadiron. 2,478,507, Aug. 9.
- Scharf, Paul B.: *See*—
Risley, Roger E., and Scharf.
- Scharf, Paul B., Bradford, Pa., assignor to Dresser Industries, Inc. Method and apparatus for electric arc welding. 2,459,047, Jan. 11.
- Scharff, Godfrey E.: *See*—
Briggs, Arthur S., and Scharff.
- Scharmann, Walter G.: *See*—
Barr, Frank T., and Scharmann.
Roetheli, Bruno E., and Scharmann.
- Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,463,912, Mar. 8.
- Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Synthesis of hydrocarbons. 2,467,861, Apr. 19.
- Scharmann, Walter G., Westfield, N. J., assignor to Standard Oil Development Company. Purifying gases. 2,477,314, July 26.
- Scharmann, Walter G., Westfield, and K. J. Nelson, Elizabeth, N. J., assignors to Standard Oil Development Company. Temperature control for highly exothermic reactions. 2,481,245, Sept. 6.
- Scharmer, George, New Milford, N. J. Kitchen cabinet structure. 2,472,685, June 7.
- Schassberger, Norman A., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle closure. 2,460,399, Feb. 1.
- Schassberger, Norman A., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle top construction. 2,463,646, Mar. 8.
- Schatz, Herman E., Ocean Park, Calif. Sport shoe and attachment. 2,484,389, Oct. 11.
- Schaub, Gordon C., Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Molding and printing method and apparatus. 2,481,689, Sept. 13.
- Schaub, Gordon C., Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Molding and printing method. 2,481,690, Sept. 13.
- Schaub, Gordon C., Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Molding and printing apparatus. 2,481,691, Sept. 13.
- Schauble, Otto C., Mount Kisco, assignor to The Lummus Company, New York, N. Y. Tubular heater. 2,479,544, Aug. 16.
- Schäublin S. A., assignee: *See*—
Schäublin-Villeneuve, Charles.
- Schäublin-Villeneuve, Charles, assignor to Schäublin S. A., Bevilard, Switzerland. Milling machine with pivoting and sliding head. 2,472,345, June 7.
- Schauer Machine Company, assignee: *See*—
Kotterman, Chester A.
- Schauert, Paul: *See*—
Urban, Walter M., and Schauert.
- Schaeffelberger, William F., Pleasant Grove, N. J., assignor to Irvington Varnish and Insulator Company. Comminuted drying oil residues. 2,459,342, Jan. 18.
- Schaul, Martin C., London, England. Production of food preparations from potatoes and similar farinaceous tubers. 2,469,995, May 10.
- Schaul, Martin C., London, England. Production of food preparations from potatoes and similar farinaceous tubers. 2,470,374, May 17.
- Schaumann, Holger H., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium oxide pigments. 2,488,439, Nov. 15.
- Schaumann, Holger H., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium dioxide pigment production. 2,488,440, Nov. 15.
- Schaumer, Theo, assignor to Hollywood-Maxwell Company, Los Angeles, Calif. Brassière. 2,466,280, Apr. 5.
- Schaus, Victor P., Jackson Heights, assignor to Howe Folding Furniture, Inc., New York, N. Y. Collapsible wheeled containers. 2,461,482, Feb. 8.
- Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Face shield for use with respirators. 2,462,005, Feb. 15.
- Schechter, Julius, Brooklyn, N. Y. Pipe washing equipment. 2,485,780, Oct. 25.
- Schechter, William H.: *See*—
Miller, Roman R., and Schechter.
- Schechter, William H., Lawrence, Kans. Chlorate candles as oxygen yielding compositions. 2,469,414, May 10.
- Schechter, William H., Washington, D. C., and R. R. Miller, Silver Spring, Md. Mercury trap for mercury type vacuum gauges. 2,466,743, Apr. 12.
- Scheckel, Edward J., La Grange, Ill. Oar rest. 2,476,116, July 12.
- Scheer, Charles L., Haddonfield, N. J., and W. Fleisher, Jr., Elkins Park, Pa., assignors to Radio Corporation of America. Mold. 2,464,157, Mar. 8.
- Scheer, Walter E.: *See*—
Cohen, Samuel J., and Scheer.
- Scheerer, Ernest O., Linden, and F. H. Guber, Jr., Roselle, N. J. Mechanical spotting machine having two rotating disks with alignable viewing openings. 2,476,918, July 19.
- Scheffbauer, Rupert J., Jr.: *See*—
Lee, Ernest D., Scheffbauer, Jr., and Dunn.
- Scheff, Frederick K., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Method and apparatus for feeding strips. 2,464,464, Mar. 15.
- Scheffer, Nicolaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Click mechanism. 2,487,733, Nov. 8.
- Scheib, Richard, Jr.: *See*—
Peoples, James A., Jr., Scheib, and Goertz.
- Scheibner, Carl, Bay City, Mich. Collapsible structure for ice fishing. 2,473,076, June 14.
- Scheid, Russell G.: *See*—
Gerweck, Cyril A., and Scheid.
- Scheinberg, Morris M., Brooklyn, assignor to Deluxe Girdlecraft Co., New York County, N. Y. Maternity belt. 2,486,211, Oct. 25.
- Scheinman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion process and apparatus therefor. 2,488,028, Nov. 15.
- Scheinman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,488,029, Nov. 15.
- Scheinman, Fred W., assignor to Standard Oil Company, Chicago, Ill. Fluidized catalytic conversion process. 2,488,030, Nov. 15.
- Scheirmann, Raphael, Warren, Ohio, now by change of name Ralph Sherman. Testing and protection of electrical distribution systems. 2,459,186, Jan. 18.
- Scheiwer, Albert T., Erie, Pa. Coupling. 2,461,699, Feb. 15.
- Scheiwer, Albert T., Erie, Pa. Sealed coupling. 2,461,700, Feb. 15.
- Scheiwer, Albert T., Erie, Pa. Combined valve and coupling. 2,473,223, June 14.
- Scheiwer, Albert T., Erie, Pa. Coupling. 2,473,973, June 21.
- Scheldorf, Marvel W., Syracuse, N. Y., assignor to General Electric Company. Single-ended antenna system. 2,469,209, May 3.
- Scheldorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. Wide band high-frequency transmission line. 2,473,262, June 14.
- Schell, Donald H.: *See*—
Cook, Jackson H., and Schell.
- Schell, Le Roy S., Jr.: *See*—
Cuthbertson, William J., and Schell.
- Schell, Paul: *See*—
Rothwell, John J., and Schell.
- Schell, Roger E., West Collingswood, N. J., assignor to Radio Corporation of America. Microphonism testing apparatus. 2,487,599, Nov. 8.
- Schellenberg, Henri: *See*—
Hoffmann, Karl, and Schellenberg.
- Schellens, Eugene L., Essex, assignor to The R. W. Cramer Company, Incorporated, Centerbrook, Conn. Small electric motor. 2,492,197, Dec. 27.
- Scheller, Arthur P.: *See*—
Smith, Hugh T., Scheller, Meincke, and Kolody.
- Scheller, Arthur P., Union, N. J., assignor to The Linde Air Products Company. Wide descaling process and nozzle. 2,476,456, July 19.
- Schellman, Joseph H., Ridley Park, Pa., assignor to Robert Hetherington & Son, Inc., Wilmington, Del. Taper snap switch. 2,466,970, Apr. 12.
- Schenau, Bernardus W. V.: *See*—
Haantjes, Johan, and Schenau.
- Schenck, Edward L., Hughesville, Pa., assignor of one-fourth to B. Epstein, one-fourth to L. S. Epstein, and one-fourth to S. W. Epstein, Norfolk, Va. Treating waste rubber, etc. 2,471,043, May 24.
- Schenck, Leslie M.: *See*—
Nawiasky, Paul, Schenck, and Stevenson.
- Schenk, Abraham, Brooklyn, N. Y. Manufacture of integral, three-dimensional, self-erecting illustrations. 2,458,879, Jan. 11.
- Schenk, Bernard H., Western Springs, assignor to The Visking Corporation, Chicago, Ill. Method of making flattened thermoplastic tubing of predetermined desired characteristics. 2,461,976, Feb. 15.
- Schenk, Bernard H., Western Springs, assignor to The Visking Corporation, Chicago, Ill. Apparatus for forming end closures. 2,474,917, July 5.
- Schenk, Jan M.: *See*—
Rosshem, David B., Fichtmueller, and Schenk.
- Schenkel, Gerrit, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Combined filter network and electromechanical transducer. 2,480,052, Aug. 23.
- Schenker, Abraham W., New York, N. Y. Body resting appliance. 2,469,084, May 3.
- Schenker, Fritz A., and T. A. Shann, Zurich, assignors to Kaspar Winkler & Co., Altstetten-Zurich, Switzerland. Expansive cement. 2,465,278, Mar. 22.

Schenley Industries, Inc., assignee: *See*—
Doblin, Jay.

Schensted, Roy E., Arcadia, Calif. Color television apparatus. 2,479,517, Aug. 16.

Schepis, Frank, Brooklyn, N. Y. Clip for metal lath and beading. 2,465,756, Mar. 29.

Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Lighting apparatus. 2,461,445, Feb. 8.

Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Lighting fixture for passenger vehicles. 2,461,446, Feb. 8.

Scher, Louis S., New York, N. Y. Telephone mouthpiece voice silencer with plural silencing chambers. 2,478,783, Aug. 9.

Scherbatskoy, Serge A., assignor to Well Surveys, Incorporated, Tulsa, Okla. Ionization chamber. 2,470,224, May 17.

Scherbatskoy, Serge A., Tulsa, Okla. Combined recorder and reproducer. 2,477,144, July 26.

Scherbatskoy, Serge A., Tulsa, Okla. Navigational method and apparatus. 2,477,145, July 26.

Scherbatskoy, Serge A., Tulsa, Okla. Combined recording and reproducing. 2,477,146, July 26.

Scherbatskoy, Serge A., assignor to Well Surveys, Incorporated, Tulsa, Okla. Recording apparatus for correlating measurements in accordance with depth. 2,479,518, Aug. 16.

Scherck, Lewis A., New Orleans, La. Multiple drip coffee urn. 2,491,336, Dec. 13.

Scherer, George F., San Francisco, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Method and apparatus for lapping valves. 2,460,312, Feb. 1.

Scherer, John O.: *See*—

Scherer, Robert P., and Scherer.

Scherer, R. P. Corporation, assignee: *See*—

Scherer, Robert P. and J. O.

Scherer, Robert P. and J. O., Detroit, Mich., assignors, by mesne assignments, to R. P. Scherer Corporation. Hypodermic syringe. 2,460,039, Jan. 25.

Schering Corporation, assignee: *See*—

Fox, Herman, Friedrich and Dohrn.

Papa, Domenico, and Schwenk.

Schwenk, Erwin, and Papa.

Scherkenbach, Clarence G., Milwaukee, Wis. Night lens for deflecting light rays. 2,475,522, July 5.

Scherl, Egon B., New York, N. Y., assignor to The Linde Air Products Company. Laminated blowpipe head. 2,484,123, Oct. 11.

Schermuly, Alfred J.: *See*—

Schermuly, Conrad D., A. J., and C.

Schermuly, Charles: *See*—

Schermuly, Conrad D., A. J., and C.

Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Line-carrying rocket. 2,471,353, May 24.

Schertz, Glenwood L., assignor to Hercules Powder Company, Wilmington, Del. Stabilized rosin amine pest control composition. 2,490,924, Dec. 13.

Schertz, Glenwood L., assignor to Hercules Powder Company, Wilmington, Del. Stabilized rosin amine pest control composition. 2,490,925, Dec. 13.

Schertz, Glenwood L., assignor to Hercules Powder Company, Wilmington, Del. Complex salts of stabilized rosin amine. 2,492,939, Dec. 27.

Schesch, Carl G.: *See*—

De Lorme, Alfred C., and Schesch.

Schettler, Wesley W.: *See*—

Endsley, Louis E., Schettler, and Lentell.

Schetty, Guido: *See*—

Conzatti, Achille, and Schetty.

Scheuermann, Joseph S., and T. N. Carter, Chicago, Ill., assignors to Cameron Machine Company, Brooklyn, N. Y. Tension control means for running web. 2,462,558, Feb. 22.

Scheuermann, Otto, Westfield, assignor to Conmar Products Corporation, Newark, N. J. Automatic lock slider. 2,487,386, Nov. 8.

Schewel, Benjamin, assignee: *See*—

Siegel, Samuel.

Schewel, Bertram R., assignee: *See*—

Siegel, Samuel.

Schexnailder, Robert E., Jr.: *See*—

Kimberlin, Charles N., Jr., and Schexnailder.

Schexnailder, Robert E., Jr., and E. A. Hunter, Baton Rouge, La., assignors to Standard Oil Development Company. Cracking catalyst. 2,472,834, June 14.

Schiavi, Vincent, Wilmington, Del., assignor to Road-grader Gauge Corporation. Attachment for road grading machinery. 2,467,157, Apr. 12.

Schick, Frederick A., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Axial contact seal. 2,479,968, Aug. 23.

Schick Incorporated, assignee: *See*—

Canham, George E.

Gray, Norman A.

Hutt, Albert E.

Schick, John W.: *See*—

Johnson, George C., and Schick.

Schick, John W., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylthienylsodium production. 2,492,659, Dec. 27.

Schick, John W., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Production of thienylsodium compounds. 2,492,660, Dec. 27.

Schick, John W., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Metalation of halogenated thiophenes. 2,492,661, Dec. 27.

Schick, John W., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Halothienyl-ethanols. 2,492,663, Dec. 27.

Schick, John W., Camden, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Metalation of thiophene. 2,492,658, Dec. 27.

Schick, John W., Camden, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Metalation of halogenated thiophenes. 2,492,662, Dec. 27.

Schick, Wenzel O., Detroit, Mich. Electrical heating element support. 2,490,602, Dec. 6.

Schickler, Albert C., Cleveland, Ohio. Pilot and burner control. 2,483,939, Oct. 4.

Schiffelstein & Co., assignee: *See*—

Tallman, Ralph C., and Stuart.

Schieren, Charles A., Company, assignee: *See*—
Coppola, Charles J.

Schiermeier, Knapel F., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Corrosion preventive composition. 2,485,321, Oct. 18.

Schiermeier, Knapel F., Alton, and W. E. Heinz, Roxana, Ill., assignors to Shell Development Company, San Francisco, Calif. Corrosion inhibiting composition. 2,482,517, Sept. 20.

Schiff, Sigmund, Cincinnati, Ohio. Gun bolt. 2,457,835, Jan. 4.

Schiffmann, Edward B., Wilmette, assignor to J. F. Cottler, Oak Park, Ill. Fishing float. 2,479,642, Aug. 23.

Schiffrin, Moses J., New York, N. Y. Fur button or ornament. 2,470,868, May 24.

Schild, August W., Houston, Tex. Louver mechanism for attic ventilation. 2,464,000, Mar. 8.

Schild, Heinz: *See*—

Orthner, Ludwig, Balle, Schild; Schürmann, Brodersen, and Quaedvlieg.

Schildknecht, Calvin E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Partially depolymerizing vinyl ether polymers. 2,483,374, Sept. 27.

Schildmeier, Henry C., Indianapolis, Ind. Tire wheel creeper. 2,470,054, May 10.

Schildmeier, Henry C., Indianapolis, Ind. Lift structure for tires. 2,490,233, Dec. 6.

Schildmeier, Henry C., Indianapolis, Ind. Balance demonstrating device. 2,492,066, Dec. 20.

Schildmeier, Henry C., Indianapolis, Ind. Electric micrometer system. 2,492,067, Dec. 20.

Schiller, Elda M., Emmett, Idaho. Ringlet curler. 2,481,448, Sept. 6.

Schiller, James C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Ferro-ferrie oxide-alkali metal trioxalato ferriate catalyst and preparation. 2,465,279, Mar. 22.

Schiller, James C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Alpha iron oxide-alkali metal trioxalato ferriate catalyst and preparation. 2,465,280, Mar. 22.

Schiller, James C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Gamma-iron oxide-alkali metal trioxalato ferriate catalyst and preparation. 2,465,281, Mar. 22.

Schiller, James C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Alkali metal-trioxalato ferrate catalyst and its preparation. 2,465,282, Mar. 22.

Schiller, Morris, assignor of fifty per cent to A. Verkitus, Albany, N. Y. Combination pillow envelope and bed sheet. 2,462,780, Feb. 22.

Schiller, Saul, Brooklyn, N. Y. Automatic contour-stitching machines. 2,462,559, Feb. 22.

Schilling, Donald C.: *See*—

Campbell, Lora, Jr.

Schilling, Ernest W., and A. M. Bramblett, assignors to Peerless Wire Goods Co., Inc., La Fayette, Ind. Method and apparatus for resistance welding of aluminum. 2,469,897, May 10.

Schilling, Frederick V.: *See*—

Ballentine, Richard E., and Schilling.

Schilling, Karl F., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of nonsulfide ores. 2,459,966, Jan. 25.

Schilling, Karl F., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of nonsulfide ores. 2,459,967, Jan. 25.

Schillinger, Frances, executrix: *See*—
Schillinger, Joseph.

- Schillinger, Joseph, deceased, late of New York, N. Y., by F. Schillinger, executrix, New York, N. Y. Animated display apparatus. 2,492,241, Dec. 27.
- Schultz, Bernard P., assignor to The Foote-Burt Company, Cleveland, Ohio. Work holder mechanism for machine tools. 2,479,026, Aug. 16.
- Schimmoller, Louis J.: *See—*
- Shaffer, Charles, Hansen, and Schimmoller.
- Schindler, Carl: *See—*
- Kyle, William D., Jr., and Schindler.
- Schindler, Ernst, Biel, Switzerland. Milling machine for formed cutters. 2,472,346, June 7.
- Schindler, Hans, Petrolia, Pa., assignor to The Pure Oil Company, Chicago, Ill. Separation of phenols from thiophenols. 2,488,479, Nov. 15.
- Schindler, Harold C., Euclid, Ohio, assignor, by mesne assignments, to Lockley Machine Company, New Castle, Pa. Garbage disposal device. 2,476,630, July 19.
- Schinman, Carl E., Seattle, Wash. Support means for oil pipes and electrodes in oil burners. 2,473,769, June 21.
- Schinske, William G., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill. Electro marker. 2,491,910, Dec. 20.
- Schipper, Pieter W., Manchester, Conn. Fuel metering device. 2,487,774, Nov. 8.
- Schirokauer, Henry, New York, now by change of name H. A. Sherwood, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Time delay switching means. 2,463,469, Mar. 1.
- Schittelbauer, Anthony: *See—*
- Bauer, Joseph, and Schittelbauer.
- Schlachter, Fred W., Oshkosh, Wis. Air-conditioning apparatus and system. 2,488,333, Nov. 15.
- Schlachter, Otto E.: *See—*
- Hassmer, Wilford L., and Schlachter.
- Schlaflay, Hubert J., Jr.: *See—*
- Meier, Edwin H., and Schlaflay, Jr.
- Schlatman, Ely, Cleveland Heights, Ohio. Garment. 2,482,295, Sept. 20.
- Schlags, Selig A., Brooklyn, N. Y. Clothesline support. 2,485,322, Oct. 18.
- Schl  pfer, Reinhard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Medicinal solutions. 2,458,430, Jan. 4.
- Schlapman, William J.: *See—*
- Shaw, Joe C., and Schlapman.
- Schlatter, Carl, Wilmington, Del., and C. V. Holmberg, Crossett, Ark., assignors to American Viscose Corporation, Wilmington, Del. Treatment of regenerated cellulose thread. 2,460,400, Feb. 1.
- Schlatter, Eugene J., Washington, D. C. Device for use in constructing maps from aerial photographs. 2,481,246, Sept. 6.
- Schlatter, Hans A., Zurich, Switzerland. Portable welding device. 2,467,536, Apr. 19.
- Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyamide compositions. 2,491,934, Dec. 20.
- Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyamide compositions. 2,491,935, Dec. 20.
- Schlattman, Russell H., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyamide compositions. 2,491,936, Dec. 20.
- Schlecht, Charles F.: *See—*
- McGary, Frank E., Hochreiter, Schlecht, and Shannon.
- Schlechten, Albert W., Corvallis, W. J., Kroll, and L. A. Yerkes, Albany, Oreg., assignors to the United States of America as represented by the Secretary of the Interior. Apparatus for refining metals. 2,482,127, Sept. 20.
- Schlechter, Herbert D., New York, N. Y. Receptacle filling machine. 2,467,995, Apr. 19.
- Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,453,210, Jan. 4.
- Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Brake head balancing device. 2,459,776, Jan. 18.
- Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,473,040, June 14.
- Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,484,750, Oct. 11.
- Schlehr, Walter R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Melting and drawing furnace. 2,465,283, Mar. 22.
- Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Voltage-responsive relay. 2,486,887, Nov. 1.
- Schleicher, Harold E., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Current responsive relay with shock and ambient temperature compensating means. 2,486,888, Nov. 1.
- Schleif, Ferber R., Coulee Dam, Wash. Apparatus for adjusting capacitor potential devices. 2,480,881, Sept. 6.
- Schleimann-Jensen, Carl A., Hammarbyh  jden, and N. E. G. Backmark, assignors to Aktiebolaget Svenska Elektronr  r, Stockholm, Sweden. Electron discharge device. 2,465,041, Mar. 22.
- Schlenker, Max I., Peru, and J. J. Gmeiner, La Salle, Ill., assignors to General Time Instrument Corporation, New York, N. Y. Motor casing. 2,465,042, Mar. 22.
- Schlenz, Harry E., Glencoe, assignor to Pacific Flush Tank Company, Chicago, Ill. Apparatus for and method of digesting garbage. 2,458,431, Jan. 4.
- Schlesinger, Frank, New York, N. Y. Combined head covering and writing accessory. 2,490,654, Dec. 6.
- Schlesinger, Georg, Loughborough, England. Apparatus for testing the machineability of metals. 2,465,757, Mar. 29.
- Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of alkali metal compounds. 2,461,661, Feb. 15.
- Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of alkali metal compounds. 2,461,662, Feb. 15.
- Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of alkali metal borohydrides. 2,461,663, Feb. 15.
- Schlesinger, Kurt, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Cathode-ray tube circuit. 2,458,532, Jan. 11.
- Schlesinger, Kurt, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Deflection circuit for cathode-ray tubes. 2,459,187, Jan. 18.
- Schlesinger, Kurt, New York, N. Y., assignor to Radio Corporation of America. Preventing cross talk in sound-vision systems. 2,486,498, Nov. 1.
- Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Discriminator circuits. 2,475,991, July 12.
- Schlesinger, Walter, Chicago, Ill., and P. Becher, Brooklyn, N. Y. Noncorrosive hydraulic fluids. 2,470,792, May 24.
- Schlesman, Carleton H.: *See—*
- Hochgesang, Frank P., and Schlesman.
- Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mass spectrometer. 2,470,745, May 17.
- Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Electronic curve plotting device. 2,474,192, June 21.
- Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Automatic inspection device. 2,491,418, Dec. 13.
- Schlesman, Carleton H., Camden, N. J., and F. S. Fawcett, Cambridge, Mass., assignors to Socony-Vacuum Oil Company, Incorporated. Distillation process using radio-frequency heating. 2,486,684, Nov. 1.
- Schleyer, Victor, Anderson, Ind. Pump. 2,479,969, Aug. 23.
- Schliestedt, Hans M., Chicago, Ill. Garment hanger. 2,475,992, July 12.
- Schloen, John H.: *See—*
- Clark, Charles W., and Schloen.
- Schlossberg, Leon: *See—*
- Murphey, Phelps J., and Schlossberg.
- Schlosser, Michael P., Byram, Conn. Refacing tool. 2,466,483, Apr. 5.
- Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Cotton treated with a cation active amine. 2,481,692, Sept. 13.
- Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Raw cotton for conversion into rayon. 2,481,693, Sept. 13.
- Schlosser, Paul H., and R. L. Mitchell, assignors to Rayonier Incorporated, Shelton, Wash. Producing rayon filaments from viscose. 2,491,937, Dec. 20.
- Schlosser, Paul H., R. L. Mitchell, and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Producing viscose filaments. 2,491,938, Dec. 20.
- Schlude, Philip J., Kaukauna, assignor, by mesne assignments, to Essential Products Corporation, Little Chute, Wis. Cheese cutting machine. 2,489,504, Nov. 29.
- Schlumberger Well Surveying Corporation, assignee: *See—*
- Aiken, Charles B.
- Castel, Jacques H.
- Doll, Henri-Georges.
- Schlumbohm, Peter, New York, N. Y. Mixing device. 2,490,379, Dec. 6.
- Schlumbohm, Peter, New York, N. Y. Eyeshade. 2,491,216, Dec. 13.
- Schlumbohm, Peter, New York, N. Y. Eyeshade. 2,491,217, Dec. 13.
- Schlumbohm, Peter, New York, N. Y. Rounded bottom inner dish for double boilers. 2,492,892, Dec. 27.
- Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Trumpet. 2,468,518, Apr. 26.
- Schlums, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Sliver condensing device. 2,470,055, May 10.
- Schmaltz, Karl, assignee: *See—*
- Denis, Harriette A.
- Schmaus, Emil A., Chicago, Ill. Window shade guide. 2,473,305, June 14.
- Schmeiser, Theodore G., Fresno, Calif. Soil pulverizing and rolling implement. 2,472,386, June 7.

- Schmelig, Nicholas J., and F. S. Green, assignors to Frank Adam Electric Company, St. Louis, Mo. Pull-out switch. 2,472,268, July 7.
- Schmerber, Raoul J., Uccle, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium. Automatic machine for electric arc welding. 2,469,790, May 10.
- Schmerber, Raoul J., Uccle, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium. Striking the welding arc in automatic electric-arc welding machines. 2,472,923, June 14.
- Schmerber, Raoul J., Uccle, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium. Automatic machine for electric-arc welding. 2,488,987, Nov. 22.
- Schmerheim, John F., South Euclid, Ohio, assignor to General Electric Company. Base for an electric device. 2,459,543, Jan. 18.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of methoxy acetic acid. 2,458,741, Jan. 11.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkyl norcamphanyl ethers. 2,459,544, Jan. 18.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of olefin polymers. 2,470,190, May 17.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of organic amines. 2,480,266, Aug. 30.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of bicycloalkyl aromatic compounds. 2,480,267, Aug. 30.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of halo-hydrocarbons. 2,481,157, Sept. 6.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of polyhalo-alkanes. 2,481,158, Sept. 6.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of polychloro-hydrocarbons. 2,481,159, Sept. 6.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of halocycloalkanes. 2,481,160, Sept. 6.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of ethylene. 2,482,877, Sept. 27.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of aryl dihaloalkanes. 2,485,017, Oct. 18.
- Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Reaction of bicycloolefins with alkyl halides. 2,487,986, Nov. 15.
- Schmid, Carl J., New York, N. Y., and W. J. Koch, Midland Park, N. J., assignors to Julius Schmid, Inc., New York, N. Y. Testing electrode. 2,474,638, June 28.
- Schmid, Freddy, Zurich, Switzerland. Micrometer caliper for round bores. 2,478,427, Aug. 9.
- Schmid, Frederick: *See*—
Romano, Charles, and Schmid.
- Schmid, Joe, assignee: *See*—
Mulsow, Nelson.
- Schmid, Julius, Inc., assignee: *See*—
Schmid, Carl J., and Koch.
- Schmid, Russell F., Neptune, N. J., assignor to the United States of America as represented by the Secretary of the Army. Receiver protection circuit. 2,482,128, Sept. 20.
- Schmidlein, Joseph A.: *See*—
Jefta, Albert W., and Schmidlein.
- Schmidt, Alphonse M., and E. F. Schmidt, Dubuque, Iowa. Electrical connector. 2,467,996, Apr. 19.
- Schmidt, Arthur J., Milwaukee, Wis. Time recording apparatus. 2,460,659, Feb. 1.
- Schmidt, Benjamin F., Los Angeles, Calif. Power conversion attachment. 2,469,277, May 3.
- Schmidt, Benjamin F., Los Angeles, Calif. Deep well pump. 2,489,505, Nov. 29.
- Schmidt, C., and Sons, Inc., assignee: *See*—
Smith, Richard E., and Musso.
- Schmidt, Carlton R., and F. H. Dunivan, Stockton, Calif. Punchboard amusement device. 2,490,325, Dec. 6.
- Schmidt, Charles H., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Adhesive containing sodium salt of carboxymethylcellulose and urea or melamine formaldehyde. 2,487,766, Nov. 8.
- Schmidt, Edgar H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spool. 2,477,010, July 26.
- Schmidt, Edward, Rutherford, N. J. Tilttable umbrellas. 2,462,560, Feb. 22.
- Schmidt, Edward, Rutherford, N. J. Umbrella. 2,468,240, Apr. 26.
- Schmidt, Edwin L., Kew Gardens, assignor to The Tele-register Corporation, New York, N. Y. Communication and posting system. 2,474,438, June 28.
- Schmidt, Ernest H., Jr., New York, N. Y., assignor to Standard Container, Inc., Rockaway, N. J. Headlight dimming system. 2,476,389, July 19.
- Schmidt, Eugene F.: *See*—
Schmidt, Alphonse M., and Schmidt.
- Schmidt, Eugene F., New York, N. Y., assignor to Curtiss-Wright Corporation. Jettisonable cockpit canopy. 2,478,714, Aug. 9.
- Schmidt, Francis J., Wauwatosa, Wis., assignor to The Peter-Schmidt Corporation, Chicago, Ill. Collapsible bench. 2,470,869, May 24.
- Schmidt, German, and C. Edwards, assignors to Compania Industrial, Valparaiso, Chile. Manufacture of soap from sperm oil. 2,492,940, Dec. 27.
- Schmidt, Gerrit, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode for electric discharge tubes. 2,478,841, Aug. 9.
- Schmidt, Harlow L.: *See*—
Meyer, Otto F., Schmidt, Owens, and Miner, Jr.
- Schmidt, Henry N.: *See*—
Hellman, Karl H., and Schmidt.
- Schmidt, Karl F., Richmond Hill, assignor to Marioness & Co., Inc., New York, N. Y. Modified wall structure for combined handbag and change purse. 2,464,350, Mar. 15.
- Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Vat dyestuff derived from aminodibenzanthrone. 2,481,449, Sept. 6.
- Schmidt, Otto W.: *See*—
Carswell, Firman L., and Schmidt.
- Schmidt, Paul A., Earlville, Ill. Reel for wire-winding machines and the like. 2,489,108, Nov. 22.
- Schmidt, Paul L., Perrysville, and J. A. Campbell, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic sheet coatings. 2,465,284, Mar. 22.
- Schmidt, Robert C., assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,473,547, June 21.
- Schmidt, Robert C., assignor to Raytheon Manufacturing Company, Newton, Mass. Mechanical movement. 2,477,903, Aug. 2.
- Schmidt, Sylvester, Mukilteo, Wash. Marshmallow roaster. 2,484,858, Oct. 18.
- Schmidt, Walter H., and C. J. Potocki, Syracuse, N. Y. Toothbrush holder. 2,489,822, Nov. 29.
- Schmidt, Werner H.: *See*—
Ziels, Norbert W., and Schmidt.
- Schmidt, Wilhelm G., Saltsjobaden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric accumulator of the bipolar type. 2,471,781, May 31.
- Schmidt, William E.: *See*—
Haman, Howard H., and Schmidt.
- Schmidt, William E., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Reinforced refractory pipe insulation. 2,482,878, Sept. 27.
- Schmidt, William E., and J. A. Ritzler, assignor to The Warren Featherbone Co., Three Oaks, Mich. Producing a waterproof seam for polyvinyl resinous coated fabrics. 2,480,882, Sept. 6.
- Schmidt, Willy A.: *See*—
Sprung, Joseph A., and Schmidt.
- Schmidt, Willy A., Easton, Pa., and V. Tulagin, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Production of phenazonium dyestuffs images. 2,486,440, Nov. 1.
- Schmidtke, Edward H., assignor of one-fourth to W. G. Henke, Charles City, Iowa. Wagon bolster jack. 2,467,056, Apr. 12.
- Schmied, Joseph M., Chicago, Ill. Pressure pump. 2,460,949, Feb. 8.
- Schmiedeberg, Frederick W., Portland, Oreg. Package holder. 2,460,906, Feb. 8.
- Schmith, Lester C., Sacramento, Calif. Buckle. 2,474,372, June 28.
- Schmitt, Arthur C.: *See*—
Marisic, Milton M., and Schmitt.
- Schmitt, Bernard A., Chicago, Ill. Sewing-machine mechanism for performing darning operations. 2,491,622, Dec. 20.
- Schmitt, Frank R., Hollis, N. Y., assignor by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Sheet feeding. 2,472,441, June 7.
- Schmitt, James R., and S. E. Hickerson, Ponca City, Okla. Clutched head wrench with spring pressed wedging ball. 2,487,987, Nov. 15.
- Schmitt, John H., Verona, N. J. Hanger for window screens and storm windows. 2,480,051, Aug. 23.
- Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Powder blower. 2,478,715, Aug. 9.
- Schmitt, Joy B., assignor to The De Vilbiss Company, Toledo, Ohio. Nebulizer. 2,488,988, Nov. 22.
- Schmitt, Otto H., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of War. Impedance matcher for radio-frequency bridges. 2,468,688, Apr. 26.
- Schmitt, Otto H., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of Navy. Variable reactor. 2,471,705, May 31.
- Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of War. Pulse storage device. 2,468,687, Apr. 26.

- Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Compensated amplifier. 2,479,970, Aug. 23.
- Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Combination magnetometer and gradiometer. 2,485,847, Oct. 25.
- Schmitter, Carl, West Allis, and S. M. Kies, assignors to The Falk Corporation, Milwaukee, Wis. Rotary joint. 2,462,006, Feb. 15.
- Schmitz, Carl E., assignor to Crane Packing Company, Chicago, Ill. Retainer for fluid seals. 2,474,123, June 21.
- Schmitz, Harry, Brooklyn, N. Y. Snow remover. 2,474,759, June 28.
- Schmitz, Henry A., Jr., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Low pressure container. 2,477,831, Aug. 2.
- Schmitz, Henry A., Jr., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Joint seal for pressure vessels or the like. 2,483,156, Sept. 27.
- Schmitz, Philip J., Sleepy Eye, Minn. Trailer tow-pole and hitch. 2,459,458, Jan. 18.
- Schmutzler, Alfred F., Teaneck, N. J., and D. F. Othmer, Coudersport, Pa. Protein dispersions and their use in printing inks. 2,482,879, Sept. 27.
- Schnabel, Lewis W., Kansas City, Kans. Manufacturing vitamin concentrates. 2,481,353, Sept. 6.
- Schnable, George K., Riverside, assignor to The Rauland Corporation, Chicago, Ill. Focusing mechanism for cathode-ray tubes. 2,466,331, Apr. 5.
- Schnabolk, Fred, assignor to Kalon Radio Corp., Brooklyn, N. Y. Registering coin bank. 2,463,433, Mar. 1.
- Schnadt, Elmer, Sumner, Iowa. Log lifting jack. 2,492,597, Dec. 27.
- Schneck, Frederick W., Pacific Palisades, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Relief valve. 2,472,049, May 31.
- Schneck, Frederick W., Santa Monica, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Pilot valve. 2,474,122, June 21.
- Schneeman, Justin G., Hollywood, assignor to X-Ray Products Corporation, Los Angeles, Calif. Tube stand looking device. 2,486,685, Nov. 1.
- Schneible, Claude B., trustee assignee: *See—*
Jackson, Arthur F., and Schneible.
- Schneible, Claude B., Detroit, Mich. Settling apparatus. 2,464,264, Mar. 15.
- Schneible, Claude B., Detroit, Mich. Collecting and separating apparatus. 2,468,607, Apr. 26.
- Schneible, Claude B., and A. S. Lundy, Detroit, Mich., said Lundy assignor to said Schneible. Collecting and separating apparatus. 2,474,695, June 28.
- Schneidau, Gayle D., assignor, by mesne assignments, to F. B. Hayne, New Orleans, La. Oil burner tube assembly. 2,490,479, Dec. 6.
- Schneider, Adolf G., Muncie, Ind., assignor to Schneider Brothers Company. Bladed wheel. 2,481,541, Sept. 13.
- Schneider, Allan K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur-containing polyamides. 2,462,430, Feb. 22.
- Schneider, Arthur E.: *See—*
Atkisson, Minton S., and Schneider.
- Schneider, Ben R., Nicoma Park, Okla. Light attachment for fishing poles. 2,481,881, Sept. 13.
- Schneider, Benjamin B., assignee: *See—*
Brown, William J.
- Schneider, Blanch A., assignee: *See—*
Titcomb, Frederick A.
- Schneider Brothers Company, assignee: *See—*
Schneider, Adolf G.
- Schneider, Charles F., New York, N. Y. Reforming tool. 2,462,908, Mar. 1.
- Schneider, Elbert D., Scotia, and Pao-Hsiung Chin, Schenectady, N. Y., assignors to General Electric Company. Electronic time delay circuit. 2,463,318, Mar. 1.
- Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Idler system for phonograph turntable drives. Re. 23,123, June 14.
- Schneider, Frank H., assignor to Florence Stove Company, Gardner, Mass. Draft regulator. 2,460,538, Feb. 1.
- Schneider, George, Montclair, N. J., and A. J. Steinberger, Jamaica, N. Y., assignors to Celanese Corporation of America. Manufacture of shaped textile materials. 2,459,291, Jan. 18.
- Schneider, Gerhard G., Maplewood, and C. J. Hughes, East Orange, assignors to National Union Radio Corporation, Newark, N. J. Spray coating mechanism. 2,470,580, May 17.
- Schneider, Hans: *See—*
Schneider, Jules and H.
- Schneider, Helmut G., Westfield, and V. F. Mistretta, Fanwood, N. J., assignors to Standard Oil Development Company. Catalytic dehydrogenation of alcohols. 2,472,493, June 7.
- Schneider, Helmut G., Westfield, and V. F. Mistretta, Fanwood, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Making alcohol. 2,473,224, June 14.
- Schneider, Hubert A.: *See—*
L'Esperance, Louis, and Schneider.
- Schneider, Joseph, New York, N. Y. Game. 2,458,306, Jan. 4.
- Schneider, Joseph A., Hirsch, Saskatchewan, Canada. Car mover. 2,473,109, June 14.
- Schneider, John, Tampa, Fla. Traveling case having a combined hat retainer and partition holddown. 2,479,269, Aug. 16.
- Schneider, Jules and H., La Chaux de Fonds, Switzerland. Machine for electric welding of feet onto dial plates, markings, and the like. 2,465,609, Mar. 29.
- Schneider, Max S., Chicago, Ill. Article supporting rack. 2,462,431, Feb. 22.
- Schneider, Paul L.: *See—*
Critchfield, Robert M., and Schneider.
- Schneider, Paul L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine control device. 2,482,559, Sept. 20.
- Schneider, Paul L., H. J. Cromwell, and D. W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,481,248, Sept. 6.
- Schneider, Paul L., and D. W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter drive. 2,481,249, Sept. 6.
- Schneider, Paul L., and D. W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,481,250, Sept. 6.
- Schneider, Siebert, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Welding apparatus. 2,462,561, Feb. 22.
- Schneider, Ulrich, St. Joseph, Mo. Figure novelty. 2,486,989, Nov. 1.
- Schneider, Victor P., Green Bay, Wis. Attachment for windshield wipers. 2,469,791, May 10.
- Schneider, William A., Los Angeles, Calif. Shiftable panel with marble game board. 2,476,457, July 19.
- Schneider, William H., Pittsburgh, Pa. Keeper for door bolts. 2,472,174, June 7.
- Schneiderman, Joseph, Chicago, Ill. Protecting device for electrical terminals. 2,482,129, Sept. 20.
- Schneiderman, Morris: *See—*
Kohn, Harold B., and Schneiderman.
- Schneiderwirth, Herman J., Jenkintown, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Aqueous thixotropic gel composition. 2,487,600, Nov. 8.
- Schneir, Samuel, Chicago, Ill. Plate hanger. 2,488,243, Nov. 15.
- Schnell, Solomon S., Brooklyn, N. Y. Bottle sterilizer. 2,467,337, Apr. 12.
- Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Automatic tensioning device for reels. 2,472,548, June 7.
- Schneider, George O., III, assignor to The Ansonia O & C Company, Ansonia, Conn. Covered rubber cord. 2,488,941, Nov. 22.
- Schner, Charles, Jr., Hewlett, and F. Zeiser, Stewart Manor, assignors to Sentinel Products, Incorporated, New York, N. Y. Dispensing cabinet. 2,462,816, Feb. 22.
- Schnerb, Isaac: *See—*
Bloch, Rudolf, Goldschmid, Schnerb, and Goldschmidt.
- Schnick, Arthur W.: *See—*
Kroll, Alfred J., and Schnick.
- Schnider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Injectable iron preparation and the manufacture of same. 2,474,989, July 5.
- Schnider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Stabilized solution of 1-methyl-5-isopropyl-5-allyl barbituric acid sodium salt. 2,483,487, Sept. 27.
- Schnider, Otto, J.-P. Bourquin, and A. Grüssner, Basel, Switzerland, assignors to Hoffmann-La Roche, Inc., Nutley, N. J. Biotin intermediate. 2,480,200, Aug. 30.
- Schnieble, Claude B., assignee: *See—*
Hermann, Clarence C.
- Schniepp, Lester E.: *See—*
Alexander, Klien, and Schniepp.
- Schnoor, Frederick D., Stratford, and C. N. Hardy, Bridgeport, Conn., assignors to General Electric Company. Radio receiver construction. 2,487,601, Nov. 8.
- Schnorr, Charles H., Springdale, Pa. Extension leaf table. 2,471,782, May 31.
- Schnuck, Carl F.: *See—*
Banbury, Fernley H., Comes, and Schunck.
- Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Packing for journal boxes and the like. 2,480,513, Aug. 30.
- Schnurer, Carolyn G., New York, N. Y. Backless garment. 2,479,416, Aug. 16.
- Schnyder, Walter A.: *See—*
Flexser, Leo A., and Schnyder.
- Schob, Fred O.: *See—*
Yeager, Harry H., and Schob.
- Schock, Fred C., Oak Park, Ill. Space heating device. 2,469,898, May 10.
- Schock, Gusmer & Co. Inc., assignee: *See—*
Schock, Robert C.
- Schock, Robert C., New Rochelle, N. Y., assignor to Schock, Gusmer & Co. Inc., Hoboken, N. J. Heater for wort kettles. 2,468,840, May 3.

- Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Squelch circuit for suppressing noise components. 2,460,786, Feb. 1.
- Schoder, Jacob: *See*—
Pike, Robert D., and Schoder.
- Schoebel, Henry, West Hempstead, assignor to Model Brassiere Corp., Brooklyn, N. Y. Brassiere. 2,460,715, Feb. 1.
- Schoenbaum, Joseph R., Roseland, N. J., assignor to W. Martin, Jr., doing business as Martin Elevator Company, New York, N. Y. Elevator position indicator. 2,462,781, Feb. 22.
- Schoenbaum, Joseph R., Roseland, N. J., assignor to Curtiss-Wright Corporation. Electrical speed control system. 2,472,396, June 7.
- Schoenbaum, Joseph R., Roseland, N. J., assignor to Curtiss-Wright Corporation. Control system. 2,485,245, Oct. 18.
- Schoenbaum, Joseph R., Roseland, N. J., assignor to Martin Elevator Company, Inc., New York, N. Y. Load responsive control circuit. 2,491,691, Dec. 20.
- Schoenbaum, Joseph R., Roseland, and W. H. Clark, Jr., Rutherford, N. J., assignors to Curtiss-Wright Corporation. Frequency changer. 2,466,560, Apr. 5.
- Schoendorf, Joseph A., assignor to Norwich Knitting Company, Norwich, N. Y. Underwear. 2,486,499, Nov. 1.
- Schoene, Dwight L., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Manufacture of synthetic rubber. 2,474,807, July 5.
- Schoene, Dwight L., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Preparation of vinyl sulfones. 2,474,808, July 5.
- Schoenfeld, Barbara L., Brooklyn, N. Y., and A. A. Foley, Camden, N. J., assignors to International Resistance Company, Philadelphia, Pa. Fluid cooled resistor. 2,491,876, Dec. 20.
- Schoenfeld, Earl H., Mamaroneck, N. Y., assignor to Radio Corporation of America. Phase shifter for pulse producers. 2,466,044, Apr. 5.
- Schoenfeld, Earl H., Mamaroneck, N. Y., and W. Milwitt, Perth Amboy, N. J., assignors to Radio Corporation of America. Cathode-ray beam deflection system. 2,487,602, Nov. 8.
- Schoenholz, Daniel: *See*—
Eisner, Robert S., and Schoenholz.
- Schoenholz, Daniel, Bronx, and L. Kressler, Brooklyn, N. Y., assignors to Foster D. Snell, Inc. Resin-wax composition. 2,482,070, Sept. 13.
- Schoenike, John A., Clintonville, Wis. Quiver. 2,464,101, Mar. 8.
- Schoening, Orlando A., Lanikai, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Machine for removing meat from shells. 2,467,158, Apr. 12.
- Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Magnesite refractory. 2,458,533, Jan. 11.
- Schoenrock, Otto R., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Conveyor and auger feed for combines. 2,467,501, Apr. 19.
- Schoenrock, Otto R., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Sickle guard. 2,484,652, Oct. 11.
- Schoenrock, Otto R., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Sickle guard and mounting. 2,484,653, Oct. 11.
- Schoenrock, Otto E., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Short wheel base tractor. 2,491,283, Dec. 13.
- Schoenstegel, Lothar W., Chicago, Ill. Flexible rod driver. 2,460,149, Jan. 25.
- Schoepe, Adolf, assignor to Gate-Way, Inc., Los Angeles, Calif. Door lock. 2,476,458, July 19.
- Schoepe, Adolf, and A. S. Lord, Los Angeles, Calif., assignors to Kwikset Locks, Inc. Doorknob and making the same. 2,489,160, Nov. 22.
- Schoeppel, John F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscope. 2,474,549, June 28.
- Schoeppel, John F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric control device. 2,490,655, Dec. 6.
- Schofield, Earl L., assignor, by mesne assignments, to A. F. Wintercorn, Rockford, Ill. Lawn mower handle mounting. 2,484,795, Oct. 11.
- Schofield, Earl L., Rockford, Ill., and G. L. Runkle, assignors to Superior Coach Corporation, Lima, Ohio. Retractable vehicle step. 2,492,068, Dec. 20.
- Schofield, Edwin R., Philadelphia, Pa. Sluice gate. 2,487,185, Nov. 8.
- Schofield, Hazen A., San Francisco, Calif. Joint. 2,457,836, Jan. 4.
- Schoger, Martin J., Chicago, Ill. Humane chicken killer. 2,478,209, Aug. 9.
- Schogren, Carl E., assignor to Heppenstall Company, Pittsburgh, Pa. Supplemental forging press die. 2,483,597, Oct. 4.
- Scholander, Per F., Swarthmore, Pa. Sling type seat for aircrafts. 2,459,843, Jan. 25.
- Scholes, Addison B.: *See*—
McKenzie, Ronald J., Scholes, and Lull.
- Scholes, William, Shotley Bridge, England. Gravity liquid separator. 2,489,161, Nov. 22.
- Scholfeld, Charles R.: *See*—
Teeter, Howard M., Scholfeld, and Cowan.
- Scholl, Albert L., Maquoketa, Iowa. Foot measuring device. 2,480,776, Aug. 30.
- Scholl, William M., assignee: *See*—
Carter, Edward J.
- Scholten, Harley B., Sheboygan Falls, Wis. Coupling of the ball-and-socket type. 2,470,870, May 24.
- Scholz, Caesar R.: *See*—
MacPhillamy, Harold B., and Scholz.
- Scholz, Herman A., and J. K. Wise, Evanston, assignors to United States Gypsum Company, Chicago, Ill. Self-hardening composition of urea-formaldehyde resins and a hydrated alkaline earth oxide. 2,476,919, July 19.
- Scholz, Theodore F.: *See*—
Crossley, Moses L., King, Northey, and Scholz.
- Scholz, Theodore F., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Monoalkamine esters of pyrrole-3-carboxylic acids. 2,479,971, Aug. 23.
- Scholz, Theodore F., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Monoalkamine esters of pyrrole-5-carboxylic acids. 2,479,972, Aug. 23.
- Schomburg, August, New York, N. Y. Desk and table combination. 2,474,596, June 28.
- Schonitzer Products Company, assignee: *See*—
Allen, Edwin L.
- Schopf, John S., Spokane, Wash. Exterior form for use in molding burial vaults and the like. 2,461,928, Feb. 15.
- Schopf, John S., Spokane, Wash. Interior form for use in molding burial vaults and the like. 2,492,893, Dec. 27.
- Schopmeyer, Herman H., Hammond, Ind., assignor to American Maize-Products Company. Recovering corn oil and corn protein. 2,479,519, Aug. 16.
- Schormuller, Anton, assignor to Clifton Products, Inc., Painesville, Ohio. Recovering beryllium oxide from beryllium ore. 2,459,895, Jan. 25.
- Schormuller, Anton, and C. E. Windecker, assignors to Clifton Products, Inc., Painesville, Ohio. Producing fused beryllium oxide. 2,467,159, Apr. 12.
- Schorn, Carl F., Detroit, Mich., assignor to G. M. and E. Holley. Fuel metering means. 2,475,156, July 5.
- Schorn, Carl F., and R. L. Ensinger, Detroit, Mich., assignor to G. M. and E. Holley. Throttle control. 2,486,212, Oct. 25.
- Schoshusen, Arthur, West Somerville, Mass. Expandable shoe tree. 2,473,176, June 14.
- Schott, Abel, and G. A. Ebelshausen, Astoria, Long Island, N. Y. Silencing muffler. 2,458,102, Jan. 4.
- Schott, Lawrence, Detroit, Mich. Adapter for wall sockets. 2,491,586, Dec. 20.
- Schott, Lionel, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visual representation of complex waves. 2,481,247, Sept. 6.
- Schottland, Edward, Forest Hills, assignor of one-half to R. Schottland, Jackson Heights, N. Y. Making skylights. 2,483,785, Oct. 4.
- Schottland, Robert, assignee: *See*—
Schottland, Edward.
- Schotz, Otto W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,487,482, Nov. 8.
- Schouwstra, Pieter: *See*—
Van Looy, Franciscus C., and Schouwstra.
- Schrader, Albert J., Scranton, assignor of one-half to R. M. Griffiths, Pottsville, Pa. Horse exercising device. 2,490,438, Nov. 29.
- Schrader, Herbert, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can arranging and bagging apparatus. 2,492,894, Dec. 27.
- Schrage, Frederick S., Rock Island, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Railway car brake. 2,479,085, Aug. 16.
- Schramm, August F., Jr., White Plains, N. Y. Making stiffened permeable sheet material. 2,489,466, Nov. 29.
- Schramm, Edward: *See*—
Pass, Richard H., Schramm, and Rhodes.
- Schramm, Frederic B., Cleveland, Ohio. Control system. 2,480,883, Sept. 6.
- Schraner, Alfred, Zurich, and J. Spirig, Dietikon, Switzerland, assignors to Vapor Rapid A. G., Vaduz, Liechtenstein. Method of and apparatus for evaporating liquids. 2,490,547, Dec. 6.
- Schrank, Charles F. T., Avon Lake, Ohio. Protective coating composition. 2,483,598, Oct. 4.
- Schreck, Irvin F., Cleveland Heights, Ohio. Auxiliary supporting roller arrangement for pallet trucks. 2,462,007, Feb. 15.
- Schreck, Irvin F., Cleveland Heights, Ohio. Propelling unit for trucks. 2,478,327, Aug. 9.
- Schreiber, Albert A., Salem, N. Y., assignor to Van Dyk & Company, Inc., Belleville, N. J. N-2-ethyl hexyl α,α' -di-keto β,β' -(1,4- Δ^2 -cyclopentenylene)-pyrrolidine and synthesis thereof. 2,476,512, July 19.
- Schreiber, Dag Sigurdsson, Lidlind, assignor to Aktiebolaget W Dan Bergman, Sodertalje, Sweden. Discharge lamp with light flashes. 2,476,773, July 19.
- Schreiber, Edward J., Willimantic, Conn. Selective animal trap. 2,484,470, Oct. 11.

- Schrieber, Edward J., and A. L. Weatherhead, Willimantic, Conn. Collapsible fish landing net. 2,485,781, Oct. 25.
- Schreiber, John H., St. Louis, Mo. Tandem spindle lathe. 2,473,306, June 14.
- Schreiber, John H., St. Louis, Mo. Joint breaker and cathed. 2,481,161, Sept. 6.
- Schreiber, John H., assignor to Livingaire, Inc., St. Louis, Mo. Piston and cylinder construction. 2,486,615, Nov. 1.
- Schreiber, Patrick Q. R., London, England. Machine for cutting leaf tobacco and the like. 2,464,896, Mar. 22.
- Schreiber, Richard S.: *See*—
Kirk, William, Jr., and Schreiber.
- Schreiber, Richard S., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method for preparing fluorine-substituted orthosilicic acid esters. 2,465,339, Mar. 29.
- Schreiber, William: *See*—
Turner, William R., Schreiber, and Van Hartesveldt.
- Schreiner, Louis W., and E. V. Leonard, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Coaxial line generator. 2,458,650, Jan. 11.
- Schreivogl, Edwin E.: *See*—
Coupas, Charles P., and Schreivogl.
- Schreyer, Edward P., Ridgefield, Conn. Cosmetic applicator. 2,466,785, Apr. 12.
- Schreyer, Edward P., Ridgefield, Conn. Steam electric iron. 2,475,571, July 5.
- Schreyer, Edward P., Ridgefield, Conn. Electric steam iron. 2,475,572, July 5.
- Schriefer, Robert G., Fort Wayne, Ind. Tuning means. 2,490,836, Dec. 13.
- Schriner, Carl A., Defiance, Ohio. Pinfeather remover. 2,468,689, Apr. 26.
- Schrivener, Arthur, Birmingham, England. Forming the surface of grinding wheels. 2,468,241, Apr. 26.
- Schrock, Daniel A., assignor to Idaho Sprocket and Machine Works, Boise, Idaho. Acetylene torch cutting machine. 2,489,201, Nov. 22.
- Schroder, George M.: *See*—
Seymour, Raymond B., and Schroder.
- Schroder, Howard C.: *See*—
Clute, Foster L., and Schroder.
- Schroeder, Alfred C.: *See*—
Fredenall, Gordon L., and Schroeder.
- Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Cathode-coupled wide-band amplifier. 2,460,907, Feb. 8.
- Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Automatic volume control and sync separator for television receivers. 2,481,045, Sept. 6.
- Schroeder, Bernard A., Winnetka, Ill. Napkin holder. 2,471,783, May 31.
- Schroeder, Burton W.: *See*—
Konen, James C., and Schroeder.
- Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Load hook connection. 2,469,612, May 10.
- Schroeder, Clarence J., Antigo, Wis. Christmas tree holder. 2,476,225, July 12.
- Schroeder, Earle E.: *See*—
Lipe, Bruce R., and Schroeder.
- Schroeder, Earl V., Wichita, Kans. Portable crib bed. 2,486,067, Oct. 25.
- Schroeder, Frederick P., Scranton, Pa. Garment hanger. 2,492,325, Dec. 27.
- Schroeder, Henry A.: *See*—
Clark, David M., Wood, and Schroeder.
- Schroeder, Herman C.: *See*—
Spalding, Thomas R., and Schroeder.
- Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of 3,3,3-trifluoropropene. 2,484,530, Oct. 11.
- Schroeder, John A.: *See*—
Juel, Harry N., Schroeder, and Bower.
- Schroeder, John A., Schroeder, and Lewis.
- Schroeder, Oscar W., assignor of 20% to W. E. Beatty, Los Angeles, Calif., and 3/100th to B. A. Milnar, St. Paul, Minn. Utilization of citrus and pineapple products in making resin compositions. 2,479,270, Aug. 16.
- Schroeder, Robert J., New Bremen, Ohio. Air duct moisture relief valve. 2,487,073, Nov. 8.
- Schroeder, Walter P., Fort Lauderdale, Fla. Cooker. 2,475,523, July 5.
- Schroepfel, Harold H., Glen Rock, N. J., assignor to American Telephone and Telegraph Company. Subscriber ringing circuit. 2,466,484, Apr. 5.
- Schrope, William D.: *See*—
Fitzsimmons, John T., and Schrope.
- Schryber, Emil A., Lynbrook, assignor to Extended Surface Division of D. E. Kennedy, Inc., Brooklyn, N. Y. Electric resistance welding of hard to weld metals, particularly for finned tubing. 2,481,626, Sept. 13.
- Schryner, Lambert B., Chicago, Ill. Fluid holding device for cleaning slats of Venetian blinds. 2,488,334, Nov. 15.
- Schubart, Frederick C., Miami, Fla. Colorimetric vessel. 2,467,599, Apr. 19.
- Schubert, Alvin E., and H. P. Hintz, assignors to Eastman Kodak Company, Rochester, N. Y. Record handling and copying apparatus. 2,491,185, Feb. 8.
- Schubert, Alvin E., and H. P. Hintz, assignors to Eastman Kodak Company, Rochester, N. Y. Illumination control of photographic copying apparatus. 2,481,694, Sept. 13.
- Schubert, Herman A., Wilmette, Ill. Bowling pin reconditioning machine. 2,490,480, Dec. 6.
- Schubert, Homer M., Salem, Oreg. Cherry stemming and sorting machine. 2,462,682, Feb. 22.
- Schubert, Milton V., North Manchester, Ind. Stock tank water heater. 2,480,053, Aug. 23.
- Schubiger, Carl J., Janesville, Wis. Hair tweezer. 2,486,616, Nov. 1.
- Schuck, Oscar H., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Underwater sound detecting and indicating system. 2,473,974, June 21.
- Schuck, Raymond W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sealed sleeve bearing. 2,482,518, Sept. 20.
- Schudy, Frank, Mission Hills, Kans. Line tightening basement clothesline bracket. 2,479,137, Aug. 16.
- Schueler, Julian L., Kokomo, Ind. Melting furnace. 2,490,382, Dec. 6.
- Schueler, Theodore, Wood River, Ill. Brake lock. 2,472,442, June 7.
- Schuessler, Frederick W.: *See*—
Langan, Eubene E., Lemmon, and Schuessler.
- Schuessler, L. Ray, University City, Mo. Check tearing guide. 2,485,415, Oct. 18.
- Schuette, Earl, Wausau, Wis. House moving trailer. 2,463,647, Mar. 8.
- Schuetz, Robert D.: *See*—
Dillehay, Edward R., and Schuetz.
- Schug, John V., Paragould, Ark. Cotton chopper and cultivator. 2,471,377, May 24.
- Schug, Wiley A., Paragould, Ark. Cotton cleaning apparatus. 2,491,877, Dec. 20.
- Schuh, Karl, Chicago, Ill. Practice mute for stringed instruments. 2,475,055, July 5.
- Schuler, Leo T., Cedar Rapids, Iowa. Plexiglas shaping machine. 2,466,045, Apr. 5.
- Schuler, Reginald G., Crystal Lake, assignor to Teletype Corporation, Chicago, Ill. Automatic transmitter. 2,477,832, Aug. 2.
- Schuler, Reginald G., Crystal Lake, assignor to Teletype Corporation, Chicago, Ill. Bias indicator. 2,481,354, Sept. 6.
- Schuler, Reginald G., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Plural transmitter telegraph system with number transmitter. 2,487,186, Nov. 8.
- Schulerud, Albert L., Nutley, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Making divisible soap bars. 2,486,213, Oct. 25.
- Schulman, Earl L.: *See*—
Foster, Newton C., Hill, Runk, and Schulman.
- Schulman, Earl L., and R. D. Jerabek, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulating material. 2,462,228, Feb. 22.
- Schulman, Earl L., and A. C. Beiler, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance thermometer. 2,470,653, May 17.
- Schulman, Earl L., and J. S. Johnson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical insulation. 2,479,417, Aug. 16.
- Schulman, James H., Cambridge, assignor to Sylvania Electric Products Inc., Salem, Mass. Calcium cadmium silicate phosphor. 2,471,082, May 24.
- Schulman, James H., Cambridge, assignor to Sylvania Electric Products Inc., Salem, Mass. Calcium silicate phosphor. 2,474,193, June 21.
- Schulman, Solomon, New York, N. Y. Dispensing valve for surface-coating mops. 2,489,162, Nov. 22.
- Schulmerich Electronics, Incorporated: *See*—
Kunz, Jacob T.
- Schulmerick Electronics, Incorporated, assignee: *See*—
Kunz, Jacob T.
- Schulte, Fred: *See*—
Bowes, Thomas D., and Schulte.
- Schultheis, Frank J., Lakewood, assignor to Republic Steel Corporation, Cleveland, Ohio. Couch frame. 2,470,525, May 17.
- Schultheiss, Hermann, Basel, Switzerland. Device for keeping bags open while being filled. 2,488,782, Nov. 22.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Life line. 2,459,545, Jan. 18.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Apparatus for severing towlines and the like. 2,460,194, Jan. 25.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Emergency arresting device for moving objects. 2,465,936, Mar. 29.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Parachute leader. 2,474,124, June 21.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Vehicle based arresting gear. 2,474,125, June 21.
- Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Aircraft arresting apparatus. 2,483,655, Oct. 4.
- Schultz, George H., Elmsford, N. Y. Ductor roller control for printing presses. 2,459,188, Jan. 18.

- Schultz, George H., Elmsford, N. Y. Ductor roller control for printing presses. 2,459,189, Jan. 18.
- Schultz, Harold B.: *See*—
MacDuff, Stanley I., and Schultz.
- Schultz, Harold B., South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind. Valves. 2,466,485, Apr. 5.
- Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,470,746, May 17.
- Schultz, Harold W.: *See*—
Robertson, John M., and Schultz.
- Schultz, Harold W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making composite articles. 2,490,548, Dec. 6.
- Schultz, Harold W., J. M. Robertson, and O. Rasmussen, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Making composite stock. 2,490,549, Dec. 6.
- Schultz, Henry F., Flushing, Mich. Trailer hitch. 2,484,751, Oct. 11.
- Schultz, Joseph W., Culver City, Calif. Camera head for tripods. 2,463,648, Mar. 8.
- Schultz, Mortimer A.: *See*—
Nagel, George W., and Schultz.
- Schultz, Oswald R., New York, N. Y., R. F. Nestle, Ardmore, and M. J. Romano, assignors, by mesne assignments, to Triangle Publications, Inc., Philadelphia, Pa. Photogravure. 2,482,638, Sept. 20.
- Schultz, Paul L., Dearborn, Mich. Aircraft. 2,479,976, Aug. 23.
- Schultz, Wallace H., Perkasio, Pa. Piano action. 2,470,654, May 17.
- Schultz, Wilbur A., Lakewood, Ohio, assignor to General Electric Company. Liquid level responsive hydrodynamic flow control. 2,468,118, Apr. 26.
- Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Drop-out fuse construction. 2,458,742, Jan. 11.
- Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Drop-out fuse construction. 2,458,743, Jan. 11.
- Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Automatic switch construction. 2,458,800, Jan. 11.
- Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Automatic switch construction. 2,461,846, Feb. 15.
- Schultz, William O., South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis. Fuse construction. 2,466,486, Apr. 5.
- Schultze, Albert: *See*—
Pfender, Clifford D., Schultze, and Knerr.
- Schultze, Albert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,469,179, May 3.
- Schultze, Paul, assignor to Doran Brothers Incorporated, Danbury, Conn. Pouncing machine. 2,465,174, Mar. 22.
- Schulz, Frank, Brooklyn, N. Y. Fishing reel. 2,492,819, Dec. 27.
- Schulz, Fred H., Spokane, Wash. Concrete mixer. 2,492,895, Dec. 27.
- Schulz, Frederick J., Rensselaer, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Labeling machine attachment. 2,471,288, May 24.
- Schulz, Henry E., Winter Haven, Fla. Penetrating oils. 2,491,774, Dec. 20.
- Schulz, Herman B., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Producing low carbon chromium steels. 2,458,651, Jan. 11.
- Schulz, John W., Bay Shore, N. Y. Thermostatic air control attachment for oil burners. 2,465,125, Mar. 22.
- Schulze, Arthur R., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Resilient wheel. 2,464,102, Mar. 8.
- Schulze, Arthur R., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Resilient wheel. 2,480,512, Aug. 30.
- Schulze, Edmund F., Omaha, Nebr. Ladle tipping mechanism. 2,463,811, Mar. 8.
- Schulze, John J., assignor of one-half to S. W. Johns, Chicago, Ill. Bed tray. 2,472,549, June 7.
- Schulze, Kurt E., assignor to E. Roe, doing business as Coast Wire Company, San Francisco, Calif. Wire tying machine. 2,460,846, Feb. 8.
- Schulze, Richard B., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Air transportation of small parcels. 2,472,623, June 7.
- Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Controlling polymer properties in emulsion polymerization by controlling intensity of agitation. 2,490,713, Dec. 6.
- Schulze, Walter A., and J. E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Preparation of unsaturated nitriles. 2,464,723, Mar. 15.
- Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of sulfur compounds. 2,469,132, May 3.
- Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Butadiene emulsion polymerization in the presence of a glycol mono-ether. 2,472,232, June 7.
- Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Inhibiting polymerization of furfural in extractive distillation. 2,485,070, Oct. 18.
- Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Inhibiting polymerization of furfural in extractive distillation. 2,485,071, Oct. 18.
- Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic dehydrogenation of hydrocarbons. 2,485,927, Oct. 25.
- Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Copper salts of mercaptans and their use in compounding synthetic rubber. 2,487,074, Nov. 8.
- Schulze, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Stabilized DDT solutions. 2,490,481, Dec. 6.
- Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Polymerization of diolefin hydrocarbons. 2,490,712, Dec. 6.
- Schumacher, Edward G., Buffalo, N. Y. Diving board. 2,461,086, Feb. 8.
- Schumacher, Edwin B.: *See*—
Furnas, William G., and Schumacher.
- Schumacher, George W., assignee: *See*—
Isakson, Stig.
- Schumacher, Jack J., assignee: *See*—
Hagen, Glen.
- Schumacher, John H., Alma, Mo. Insulator mounting. 2,471,839, May 31.
- Schumacher, Joseph C., assignor to Western Electrochemical Company, Los Angeles, Calif. Electrolytic apparatus. 2,475,157, July 5.
- Schumacher, Leonard W. and V. J. Carroll, Iowa. Attachment for cultivators. 2,465,043, Mar. 22.
- Schumacher, Paul F., assignee: *See*—
Clark, Charles H.
- Schumacher, Victor J.: *See*—
Schumacher, Leonard W. and V. J.
- Schuman, Albert, Glendale, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating means with automatic compensation for capacitance variation. 2,467,782, Apr. 19.
- Schumann, Alec, Enfield, England. Piezoelectric phonograph pickup having resilient coupling member. 2,492,446, Dec. 27.
- Schumann, Johannes, Philadelphia, Pa. Mold and molding process. 2,476,631, July 19.
- Schunk, Joseph, Union, assignor to The National Lock Washer Company, Newark, N. J. Bus or car window construction. 2,476,947, July 19.
- Schupp, Arthur, New York, N. Y. Apparatus for the cooling of heated objects. 2,460,150, Jan. 25.
- Schürmann, Max-Otto: *See*—
Orthner, Ludwig, Balke, Schild, Schürmann, Brodersen, and Quaevlielg.
- Schustek, George W., Jr., Oak Park, assignor to United States Gypsum Company, Chicago, Ill. Producing an intimate mixture of partially dextrinized farinaceous material and calcined gypsum. 2,487,030, Nov. 1.
- Schuster, John, Jr., Narberth, Pa., assignor to United Aircraft Corporation, East Hartford, Conn. Cooling turbine rotors. 2,461,239, Feb. 8.
- Schuster, Max: *See*—
Oberbauer, William, and Schuster.
- Schuster, Nick A.: *See*—
Hollingsworth, Gullford L., and Schuster.
- Schutte and Koerting Company, assignee: *See*—
Boehm, Frederick.
- Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Process and apparatus for converting hydrocarbons. 2,482,137, Sept. 20.
- Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Reactor for thermal conversion of hydrocarbons. 2,482,138, Sept. 20.
- Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Hydrocarbon conversion. 2,482,139, Sept. 20.
- Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Hydrocarbon conversion. 2,482,140, Sept. 20.
- Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Gas adsorption. 2,492,401, Dec. 27.
- Schutten, Joseph J., North Redondo, Calif. Paper currency disinfectant. 2,463,208, Mar. 1.
- Schutze, Henry G.: *See*—
Browder, John G., Love, Schutze, and Tannich.
- Schutze, Henry G., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparation of aluminum halide catalyst. 2,487,162, Apr. 12.
- Schutze, Henry G., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Olefin dimers as promoters in low-temperature Friedel-Crafts polymerization. 2,479,418, Aug. 16.
- Schuyler, Garret L., U. S. Navy, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Displacement launcher for projectiles. 2,481,542, Sept. 13.

- Schwab, Emil P., Mount Lebanon, Pa. Antiskid traction appliance for motor vehicle wheels. 2,474,696, June 28.
- Schwab, John, Winnipeg, Manitoba, Canada. Lamp device. 2,462,562, Feb. 22.
- Schwab, Edward L., Chicago, Ill. Card support and display. 2,469,210, May 3.
- Schwabe, Harold C., Shawano, Wis. Fishing float. 2,474,498, June 28.
- Schwager, Eduard, and J. Bindler, assignors to J. R. Geigy A-G., Basel, Switzerland. Textile assistants made from synthetic tanning agents and ammonium compounds. 2,482,942, Sept. 27.
- Schwabach, Robert C.: *See*—
Schwantes, Gilbert C., and Schwabach.
- Schwabe, Emma H., New York, N. Y. Lady's slip. 2,473,393, June 14.
- Schwan, Joe F., assignee: *See*—
Garrison, Harry A.
- Schwandt, Howard V., Weston, Oreg. Swinging saw fence construction. 2,483,326, Sept. 27.
- Schwantes, Gilbert C., and R. C. Schwabach, Milwaukee, Wis. Headstock attachment for lathes. 2,470,871, May 24.
- Schwartz, Arthur J., assignee: *See*—
Osterberg, Carl I.
- Schwartz, Benjamin and E. H., Brooklyn, N. Y. Mold injection head. 2,459,048, Jan. 11.
- Schwartz, Carl, assignee: *See*—
Burritt, Burnell O.
- Schwartz, Coleman, Los Angeles, Calif. Disposable roll film magazine for miniature cameras. 2,477,904, Aug. 2.
- Schwartz, Daniel M., assignor to The Elmco Corporation, Salt Lake City, Utah. Shovel bucket. 2,480,384, Aug. 30.
- Schwartz, Daniel M., Pittsburgh, and W. B. McLean, Corapolis Heights, Pa. Welding electrode holder. 2,481,952, Sept. 13.
- Schwartz, Emanuel, New York, N. Y. Electric boiler. 2,458,103, Jan. 4.
- Schwartz, Edward S., and L. V. Dawson, Excelsior Springs, Mo. Bell boot for horses. 2,483,065, Sept. 27.
- Schwartz, Eugene H.: *See*—
Schwartz, Benjamin and E. H.
- Schwartz, Eugene H., Brooklyn, N. Y. Method and apparatus for producing ornamental multicolored designs. 2,485,323, Oct. 18.
- Schwartz, Fernando F., Santiago, Chile. Preparation of colloidal trisulfide of arsenic. 2,473,110, June 14.
- Schwartz, Frederick, M. R. Lewis, and H. R. Feldman, Chicago, Ill., assignors to Foster & Davies, Inc., Cleveland, Ohio. Lamp construction. 2,481,355, Sept. 6.
- Schwartz, Harry H., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Relay circuit. 2,468,308, Apr. 26.
- Schwartz, Henry L., Eagle Grove, Iowa. Windrower. 2,480,777, Aug. 30.
- Schwartz, Herbert L., New York, assignor to S & S Industries, Bronx, N. Y. Wire form for brassières. 2,463,319, Mar. 1.
- Schwartz, Herman C., New Milford, N. J. Connecting coaxial cables. 2,468,783, May 3.
- Schwartz, John L., assignor, by mesne assignments, to The Philadelphia Thermometer Company, Philadelphia, Pa. Adjustable thermostat. 2,459,968, Jan. 25.
- Schwartz, Leo: *See*—
Kahn, George, and Schwartz.
- Schwartz, Louis K., East Orange, N. J., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Electrically energizable fabric. 2,458,801, Jan. 11.
- Schwartz, Max W., New Castle, Pa. Refrigerated display cabinet. 2,459,243, Jan. 13.
- Schwartz, Morris, New York, N. Y. Four-in-hand necktie. 2,463,320, Mar. 1.
- Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Plate holder with safety lock. 2,462,683, Feb. 22.
- Schwartz, Morris, and W. Castedello, Stamford, Conn. View finder for photographic apparatus. 2,487,773, Nov. 8.
- Schwartz, Nathan R., assignor to Naras Research Inc., New York, N. Y. Work lamp support. 2,472,624, June 7.
- Schwartz, Nathan R., New York, N. Y., assignor to Saran Research Corporation. Wire stripping machine. 2,475,056, July 5.
- Schwartz, Shepard, Nashville, assignor to May Hosiery Mills, Davidson County, Tenn. Point illuminating and magnifying attachment for looping machines. 2,481,450, Sept. 6.
- Schwartz, Theodore F., San Bruno, and A. L. Giorgi, South San Francisco, Calif. Submarine radiation apparatus and photographic method. 2,478,842, Aug. 9.
- Schwartz, William H.: *See*—
Lester, Nathan, and Schwartz.
- Schwartz, William T., Philadelphia, Pa. Game board. 2,492,447, Dec. 27.
- Schwartzberg, Alter L., Shreveport, La. Ventilator. 2,470,375, May 17.
- Schwartzberg, Louis, Chicago, Ill. Egg crate flat. 2,490,326, Dec. 6.
- Schwartzmann, Harry, New Rochelle, N. Y. Sliding window sash mounting device. 2,492,896, Dec. 27.
- Schwartzwalder, Karl: *See*—
McDougal, Taine G., Schwartzwalder, and Rulka.
- Schwartzwalder, Karl, Holly, and C. F. Schaefer, Flint, assignors to General Motors Corporation, Detroit, Mich. Sealing means and method for spark plugs. 2,469,211, May 3.
- Schwartzwalder, Karl, Holly, A. S. Rulka, and R. W. Smith, Flint, assignors to General Motors Corporation, Detroit, Mich. Resistor for thermogauges. 2,480,166, Aug. 30.
- Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Shutter and diaphragm mechanism for cameras. 2,480,973, Sept. 6.
- Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Camera shutter mechanism with focusing stop. 2,483,025, Sept. 27.
- Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter having flash synchronizer with safety interlock. 2,490,163, Dec. 6.
- Schwarz, Benno, Norwich, England. Control system for stator fed alternating-current commutator motors. 2,480,054, Aug. 23.
- Schwarz, Benno, Norwich, England. Control system for alternating current commutator motors. 2,481,786, Sept. 13.
- Schwarz, Benno, Norwich, England. Compensating means or arrangements for alternating current commutator machines. 2,489,982, Nov. 29.
- Schwarz, Bertram A., H. M. Stelzl, and M. G. Wright, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Radio tuning means. 2,489,544, Nov. 29.
- Schwarz, Ernest I. and F. B., assignors to The Eis Automotive Corporation, Middletown, Conn. Double wall washer or packing cup. 2,465,175, Mar. 22.
- Schwarz, Eugene A., Snyder, assignor to The Geo. L. Squier Mfg. Co., Buffalo, N. Y. Gate positioning mechanism for hulling machines. 2,460,769, Feb. 1.
- Schwarz, Frank J., assignor to Armstrong Cork Company, Lancaster, Pa. Decorating surface coverings. 2,485,541, Oct. 18.
- Schwarz, Fred B.: *See*—
Schwarz, Ernest I. and F. B.
- Schwarz, George, Williamstown, Mass. Silver impregnation. 2,459,896, Jan. 25.
- Schwarz, George, Williamstown, Mass. Silver impregnation. 2,459,897, Jan. 25.
- Schwarz, George, assignor to The Gevaert Company of America, Inc., Williamstown, Mass. Cyanine dyestuffs and making same. 2,481,953, Sept. 13.
- Schwarz, Gerald L., Cleveland Heights, assignor to Air Controls Inc., Cleveland, Ohio. Square sided blower. 2,482,519, Sept. 20.
- Schwarz, Harold W., Mercedes, Tex. Implement balance control link spring. 2,460,847, Feb. 8.
- Schwarz, Harvey F., London, England. Electromagnetic pickup. 2,469,933, May 10.
- Schwarz, Otto B.: *See*—
Eisenberg, Ben, and Schwarz.
- Schwarz, Robert, Jr., New York, N. Y. Connected table. 2,489,933, Nov. 29.
- Schwarzbaum, Hartley D., New York, assignor to Bilt-Rite Baby Carriage Co., Inc., Brooklyn, N. Y. Antitipping device for baby carriages. 2,474,804, June 28.
- Schwarzenbek, Eugene F., Nutley, and J. W. Moorman, Alpine, assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalytic hydrocarbon conversions. 2,464,616, Mar. 15.
- Schwarzkopf, Emil, Los Angeles, Calif. Pivoted joint structure. 2,488,562, Nov. 22.
- Schwarzkopf, Otto, Elmhurst, Long Island, and A. D. Lewis, assignors, by mesne assignments, to William B. Warner & Co., Inc., New York, N. Y. Esters of 1-methyl-3-acyloxypropyl-alpha halomalonic acids and their preparation. 2,464,158, Mar. 8.
- Schwarzkopf, Vergil, La Grange, assignor to The Lathrop-Paulson Company, Chicago, Ill. Dump can. 2,464,531, Mar. 15.
- Schwarzkopf, Vergil, La Grange, assignor to The Lathrop-Paulson Company, Chicago, Ill. Dump can. 2,480,778, Aug. 30.
- Schwarzler, Charles A.: *See*—
Bragg, Leslie B., Schwarzler, and Brown.
- Schwarzowsky, Shimon, Tel Aviv, Palestine. Easy chair. 2,474,597, June 28.
- Schweda, Albert M.: *See*—
Christensen, Norman V., Le Vesconte, and Schweda.
- Schwegler, Clare C., and F. M. Tennant, assignors to The Dow Chemical Company, Midland, Mich. Production of alkyl halides. 2,469,702, May 10.
- Schweibinz, Raymond J., Homeville, Pa. Film developing holder. 2,468,411, Apr. 26.
- Schweickart, William M., Bay Village, Ohio. Variable-speed drive. 2,459,969, Jan. 25.
- Schweig, Julius A., Clayton, assignor to Security Fire Door Company, St. Louis, Mo. Elevator shaft door. 2,482,639, Sept. 20.
- Schweiger, Leonard B.: *See*—
Snell, Raymond L., and Schweiger.
- Schweiger, Leonard B., and R. L. Snell, assignors to Miles Laboratories, Inc., Elkhart, Ind. Fermentation process. 2,476,159, July 12.

- Schweighofer, Horst M.: *See*—
May, Richard W., and Schweighofer.
- Schweisshal, Frederick G., Skokie, assignor to Stewart-Warner Corporation, Chicago, Ill. Portable stroboscope having pistol-like frame and indicator lock. 2,468,690, Apr. 26.
- Schweitzer, Carl E.: *See*—
Gresham, William F., and Schweitzer.
- Schweitzer, Edmund O., Jr., Northbrook, Ill. Synchronous cascade dynamoelectric unit. 2,477,423, July 26.
- Schweitzer, Edmund O., Jr., Northbrook, Ill. Synchronous electric motor construction. 2,477,424, July 26.
- Schweitzer, Edmund O., Jr., Northbrook, Ill. Electric motor construction. 2,482,032, Sept. 13.
- Schweizer, Ernest, East Orange, N. J., assignor to Celanese Corporation of America. Fluorescent materials. 2,458,104, Jan. 4.
- Schweitzer, Frank J., Jr.: *See*—
Shaffer, Donald U., and Schweitzer, Jr.
- Schweitzer, Herbert C., assignor to Associated Metals & Minerals Corporation, New York, N. Y. Furnace for the heat treatment of solids. 2,485,782, Oct. 25.
- Schweitzer, Thomas R.: *See*—
Russ, Walter R., Hoffman, Schweitzer, and Dalby.
- Schweizer, Paul, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Machine for stuffing newspapers or similar sheet material assemblies. 2,461,573, Feb. 15.
- Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Compressor unloader. 2,488,942, Nov. 22.
- Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,483,439, Oct. 4.
- Schwendner, Anthony F.: *See*—
Ponomareff, Alexander L., and Schwendner.
- Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Governor apparatus. 2,467,445, Apr. 19.
- Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric drive for gas turbine locomotives. 2,472,924, June 14.
- Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power plant control mechanism. 2,474,697, June 28.
- Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Governor apparatus. 2,482,560, Sept. 20.
- Schwenk, Earl B., Seattle, Wash. Fishline sinker. 2,484,357, Oct. 11.
- Schwenk, Earl B., Seattle, Wash. Fishing rod holder. 2,484,427, Oct. 11.
- Schwenk, Erwin: *See*—
Papa, Domenick, and Schwenk.
- Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Hydroxyaryl alicyclic carboxylic acids. 2,469,415, May 10.
- Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Aryl-alicyclic carboxylic acids and their manufacture. 2,487,075, Nov. 8.
- Schwennessen, Donald O., assignor to Essex Wire Corporation, Chicago, Ill. Transformer. 2,488,742, Nov. 22.
- Schweppenheiser, Oliver T., Philadelphia, Pa. Foldable crutch. 2,490,380, Dec. 6.
- Schwerdle, Arthur: *See*—
Sowa, Frank J., and Schwerdle.
- Schwerin, Frank H., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Hydraulic jack. 2,458,744, Jan. 11.
- Schwerin, Paul, White Plains, assignor to Sonotone Corporation, Elmsford, N. Y. Vibration suppressing suspension for tensioned filaments of electron space charge devices. 2,458,534, Jan. 11.
- Schwery, Isadore, Panama, Iowa. Hay lift and sweep. 2,475,203, July 5.
- Schwickerath, Werner, Vereeniging, Transvaal, Union of South Africa. Fluid current driven apparatus. 2,465,285, Mar. 22.
- Schwiebert, Clarence, assignee: *See*—
Orme, Wilfrid H.
- Orme, Wilfrid H., and Schwiebert.
- Schwimmer, Oscar, Los Angeles, Calif. Compensator for aircraft cable controls. 2,489,163, Nov. 22.
- Schwinn, Frank W., Chicago, Ill. Truss rod bracket. 2,461,003, Feb. 8.
- Schwinn, Frank W., Chicago, Ill. Tire relief valve. 2,473,912, June 21.
- Schwinn, Frank W., Chicago, Ill. Saddle mounting. 2,476,226, July 12.
- Schwinn, Frank W., Chicago, Ill. Structure and manner of producing wheel rims. 2,477,833, Aug. 2.
- Schwinn, Frank W., Chicago, Ill. Cycle freewheeling device. 2,489,934, Nov. 29.
- Schwitzer-Cummins Company, assignee: *See*—
Belser, Kurt A.
- Hardy, James A.
- Walmsley, David C.
- Schwoegler, Edward J.: *See*—
Lundsted, Lester G., Schwoegler, and Jacobs.
- Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Three-phase welding device. 2,474,866, July 5.
- Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Protective system for three-phase single-phase machines. 2,474,867, July 5.
- Sciancalepore, Vito, assignor of one-half to C. Greene, White Plains, N. Y. Cloth marking and cutting machine. 2,473,451, June 14.
- Science Associates Inc., assignee: *See*—
Szent-Györgyi, Albert E.
- Scientific Research and Development, The United States of America as represented by the Executive Secretary of the Office of: *See*—
Volkman, John.
- Scientific Research and Development, United States of America as represented by the Executive Secretary of the Office of, assignee: *See*—
Carson, Robert H.
- Mullin, Charles J.
- Newman, Edwin B.
- Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Valve. 2,458,211, Jan. 4.
- Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Adjustable belt connector for closure operators. 2,491,138, Dec. 13.
- Sciuto, Carl C., St. Louis, Mo. Spray nozzle. 2,474,332, June 28.
- Scofield, Emory J., assignor to Ottawa Steel Products, Inc., Ottawa, Kans. Hydraulically operated loader attachment for tractors. 2,468,378, Apr. 26.
- Scofield, Gilbert J., Loudonville, N. Y. Cleaning apparatus. 2,467,502, Apr. 19.
- Scofield, Gilbert J., Loudonville, N. Y. Interchangeable gearing. 2,478,059, Aug. 2.
- Scofield, Raymond C., Hitchcock, assignor to Pan American Refining Corporation, Texas City, Tex. Industrial contacting material. 2,470,652, May 17.
- Scoles, Graham J., East Sheen, London, England, assignor to General Electric Company. Circuits for comparing electrical quantities. 2,487,603, Nov. 8.
- Scoles, Leslie W., assignor to The Dow Chemical Company, Midland, Mich. Production of magnesium hydroxide from brines. 2,479,138, Aug. 16.
- Sconce, James S., and A. N. Johnson, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Photochemical chlorination of hydrocarbons. 2,459,049, Jan. 11.
- Sconce, James S., D. S. Rosenberg, and A. N. Johnson, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Chlorinating chloropropane. 2,492,941, Dec. 27.
- Scophony Corporation of America, assignee: *See*—
Rosenthal, Adolph H.
- Scophony Limited, assignee: *See*—
Adams, Albert E.
- Scot-Signs, Inc., assignee: *See*—
Meljer, nee Kerkhof, Cornelia J. M.
- Scott, Albert B.: *See*—
Ward, William C., and Scott.
- Scott, Arthur K.: *See*—
Hillman, Charles A., Long, and Scott.
- Scott, Benjamin B., Jr., Pittsburgh, Pa. Wire laying device and method. 2,490,837, Dec. 13.
- Scott, Carl, assignor of one-half to H. E. Menchimer, Denver, Colo. Loading apparatus. 2,480,884, Sept. 6.
- Scott, Clarence B., Tulsa, Okla., assignor to Standard Oil Development Company. Feedback automatic volume control circuit for seismic amplifiers. 2,475,258, July 5.
- Scott, Clarence W., Chicago, Ill. Safety headgear for pedestrians and workmen. 2,473,394, June 14.
- Scott, Clark W., and H. L. Wheeler, Palatine Bridge, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Printing wheel construction. 2,475,524, July 5.
- Scott, Clifford L.: *See*—
Bauer, Carl F., Wangelin, and Scott.
- Scott, David A., Forest Hill, and A. M. Fisher, assignors to The Governors of the University of Toronto, Toronto, Ontario, Canada. Obtaining insulin from pancreas glands. 2,466,487, Apr. 5.
- Scott, David C., and J. A. Keeley, Virginiatown, Ontario, Canada. Hot-air furnace with oil burner installation. 2,466,868, Apr. 12.
- Scott, David C., Providence, and F. A. Valentine, Apponaug, R. I., assignors to Scott Testers, Inc. Weight arm for testing machines. 2,480,779, Aug. 30.
- Scott, Dewey, assignee: *See*—
Aske, Gilbert.
- Scott, Eben L., Mission, Kans. Force cup for cleaning drainpipes and the like. 2,473,452, June 14.
- Scott, Edward E., Clarinda, Iowa. Surgical belt. 2,476,513, July 19.
- Scott, Everette C., and G. W. McDonald, Ashton, assignors to Swift & Company, Chicago, Ill. Manufacture of rennet paste. 2,482,520, Sept. 20.
- Scott, Floyd L., Jr.: *See*—
Brown, Cicero C., McCray, and Scott, Jr.
- Scott, Franklin D.: *See*—
Ball, Charles O., and Scott.
- Scott, George C., Le Sueur, Minn., and R. E. Oltman, deceased, late of Le Sueur, Minn., by J. T. Peterson, administrator, Le Sueur, Minn. Treatment of vegetables. 2,471,170, May 24.

- Scott, George D., St. Petersburg, assignor to M. P. Laughlin, Gulfport, Fla. Tubular member connection. 2,476,566, July 19.
- Scott, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of 1,3-dienes in the presence of benzylic iodides. 2,481,044, Sept. 6.
- Scott, Gifford G.: *See*—
Martin, Edward J., and Scott.
- Scott, Henry J., Surbiton, assignor to J. Lyons and Company Limited, London, England. Oven. 2,491,419, Dec. 13.
- Scott, Henry J., Surbiton, assignor to J. Lyons and Company Limited, London, England. Oven. 2,491,420, Dec. 13.
- Scott, Howard, and K. B. Gordon, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical element which is to be subjected to high temperatures. 2,475,642, July 12.
- Scott, James, assignor to York Corporation, York, Pa. Refrigeration. 2,467,633, Apr. 19.
- Scott, James Y., Longmeadow, F. P. Healy, Springfield, and E. A. Allen, Westfield, assignors to Van Norman Company, Springfield, Mass. Chuck. 2,479,973, Aug. 23.
- Scott, John H., Gary, Ind. Center plate. 2,481,695, Sept. 13.
- Scott, Lloyd H., Garden City, N. Y., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Magneto electric machine. 2,469,133, May 3.
- Scott, Margaret S., assignee: *See*—
Scavullo, Angelo C.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Curing catalysts for aminoplasts. 2,466,744, Apr. 12.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Curing catalysts for aminoplasts. 2,467,160, Apr. 12.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Catalyst for acid curing thermosetting resins. 2,467,915, Apr. 19.
- Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Nitroalcohol modified aminoplasts. 2,484,315, Oct. 11.
- Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of N-alkyl pyrroles. 2,488,336, Nov. 15.
- Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of 1,4-dihalobutanes. 2,491,834, Dec. 20.
- Scott, Orion P.: *See*—
Cain, Lee C., and Scott.
- Scott, Robert B., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Prevention of foaming in the concentration of surface-active agents. 2,462,999, Mar. 1.
- Scott, Robert J., assignor to J. C. Hockery, Kansas City, Mo., as trustee for H. J. and F. L. Talge. Heat exchange apparatus. 2,485,664, Oct. 25.
- Scott, Robert W.: *See*—
Wiegand, Francis J., and Scott.
- Scott, Samuel L.: *See*—
Whitman, Gerald M., and Scott.
- Scott Testers, Inc., assignee: *See*—
Rogers, Robert W., and Blanch.
Scott, David C., and Valentine.
- Scott, Walter F., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulator tube circuit. 2,469,280, May 3.
- Scott, Walter J.: *See*—
Cherry, George L., and Scott.
- Scott, William E., Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Circuit for evaluating cells. 2,463,321, Mar. 1.
- Scott, William J., Rugby, England, assignor to General Electric Company. Making lead-in seals. 2,483,940, Oct. 4.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Valve mechanism. 2,460,908, Feb. 8.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Bus bar housing. 2,469,445, May 10.
- Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker mounting means. 2,472,961, June 14.
- Scott & Williams, Incorporated, assignee: *See*—
Bristow, Paul W.
Lawson, Robert H.
Sheppard, Harry N.
- Scott, Willie W., New York, N. Y. Oiling pulleys of clotheslines. 2,488,335, Nov. 15.
- Scotti, Vesta E., Pittsburgh, Pa. Douche syringe and container assembly. 2,492,326, Dec. 27.
- Scovel, Jay W., trustee, assignee: *See*—
Pounds, Vester O.
- Scovell, Eric H., Glandore, South Australia, Australia. Connector for pressure lines. 2,477,834, Aug. 2.
- Scovill Manufacturing Company, assignee: *See*—
Carpinella, Michael J.
Clemmons, Herbert D.
Donahue, Patrick F.
Fenton, Paul E., and Huelster.
Huelster, Otto J.
McKnight, Robert L.
Reuter, René L. E.
Rudd, Harry B.
Seaver, Donald A.
Spearin, William R.
Spender, Donald L.
Spender, Donald L., and Butler.
Strokalis, William V.
Treclokas, Jacob P.
Wolff, Edward L.
- Scoville, Loren P.: *See*—
Watson, Claude W., Burton, and Scoville.
- Scranton, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary baler. 2,469,580, May 10.
- Scranton, Charles J., and P. H. Harrer, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary baler. 2,468,641, Apr. 26.
- Screw Conveyor Corporation, assignee: *See*—
Escher, Edward P.
- Screw Machine Products Limited, assignee: *See*—
Tindal-Carill-Worsley, Geoffrey N. E.
- Scribner, Thornton S., Nevada City, Calif. Power scoop. 2,462,432, Feb. 22.
- Scripto, Inc., assignee: *See*—
Severy, Victor H.
- Scripture, George, Oakland, Calif. Electromagnetic valve-keeper remover and retriever. 2,469,056, May 3.
- Scriven, Albert K., Baltimore, Md. Continuous freezing unit. 2,479,871, Aug. 23.
- Scriven, Leonard W., Pawtucket, R. I. Dust container for vacuum cleaners. 2,467,503, Apr. 19.
- Scrivener, Arthur, Birmingham, England. Automatically removing ferrous and other particles from liquid. 2,459,343, Jan. 18.
- Scrivener, Arthur, Birmingham, England. Magnetic separator having means for wiping and scraping the carrier disk. 2,471,044, May 24.
- Scruggs, Thomas M.: *See*—
Brockman, Edward J., and Scruggs.
- Scruggs, Thomas M., Richmond Heights, assignor to Bemis Bros. Bag Company, St. Louis, Mo. Open-mesh fabric selvage. 2,461,240, Feb. 8.
- Scudder, Charles M., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Closure for pressure vessels. 2,457,927, Jan. 4.
- Scudder, Eliot R., assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Intravenous stand attachment for wheel stretchers. 2,470,524, May 17.
- Scul, Frank R., Scarsdale, N. Y., assignor to Celanese Corporation of America. Treatment of yarns. 2,464,897, Mar. 22.
- Scully, Alexander D., New York, N. Y. Picture frame holder. 2,465,400, Mar. 29.
- Scully, Charles T.: *See*—
Chatterjea, Prafulla K., Houghton, and Scully.
Chatterjea, Prafulla K., and Scully.
- Scully, Charles T., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Remote control arrangement. 2,462,134, Feb. 22.
- Scully, Sylvester A., River Edge Manor, N. J., assignor to Interchemical Corporation, New York, N. Y. Disazo dianisidine pigments. 2,477,661, Aug. 2.
- Scurlock, James C., assignor to Western Engineering Associates, Los Angeles, Calif. Panel structure. 2,481,046, Sept. 6.
- Seabold, Edward J.: *See*—
Cooper, William B., and Seabold.
- Seago, Tuggle, Smackover, Ark., assignor of one-half to A. E. Achée, Franklin, La. Gas liquid separating device. 2,491,587, Dec. 20.
- Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Andreassen, Arthur A., and Rust.
Block, Seymour S.
Strohmaier, Alfred J.
- Seagraves, Hal E., Wilton, Conn. Autoloading pistol. 2,468,784, May 3.
- Seaholm, Casimir D., San Francisco, Calif. Lifeboat. 2,477,425, July 26.
- Seaholm, John P., Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Manure spreader. 2,486,214, Oct. 25.
- Seaholm, John P., and F. W. Molander, Moline, Ill., assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Rear wheel mounting and lock. 2,490,656, Dec. 6.
- Seal-Craft, Incorporated, assignee: *See*—
Salfisberg, Leroy L.
- Sealed Motors Corporation, assignee: *See*—
Pensabene, Nicolo.
- Sealed Power Corporation, assignee: *See*—
Olson, Holly M.
- Sealed Seam Welt Process, Inc., assignee: *See*—
Mills, William L., and Kruger.

- Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Screwed sleeve electrical connector. 2,468,785, May 3.
- Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Temperature responsive current regulating means. 2,478,328, Aug. 9.
- Sealey, William C., Wauwatosa, and F. W. Arend, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electromagnetic core assembly and method. 2,468,786, May 3.
- Seal-Sac, Inc., assignee: *See*—Boener, Gladys.
- Sealtight Corporation, assignee: *See*—Burrell, George C.
- Seaman, Charles, Jamaica Estates, N. Y. Sewing machine and attachment. 2,475,758, July 12.
- Seaman, Charles, Jamaica Estates, N. Y. Sewing machine and attachment therefor. 2,475,759, July 12.
- Seaman, Charles, Jamaica Estates, N. Y. Apparatus for making and attaching shirrings. 2,475,760, July 12.
- Seaman, Elliston P., Williamsport, Pa. Self-emptying ash tray for automobiles. 2,459,459, Jan. 18.
- Seaman, Francis E., Columbus, Ohio. Locking system. 2,470,581, May 17.
- Seaman, Harry J., Milwaukee, Wis. Mixing. 2,473,770, June 21.
- Seaman, Harry J., Milwaukee, Wis. Rotary earth-working implement. 2,477,662, Aug. 2.
- Seaman Paper Company, assignee: *See*—Riddle, Walter S.
- Seaman, Richard H., assignor to Mega Corporation, Los Angeles, Calif. Automatic cutoff for transformers. 2,463,812, Mar. 8.
- Seaman, Richard H., assignor to Mega Corporation, Los Angeles, Calif. Progressive illuminating means. 2,487,734, Nov. 8.
- Seaman, Robert E., Lansing, Mich. Flush toggle switch attachment. 2,461,614, Feb. 15.
- Seaman, Stewart E., White Plains, N. Y., and R. P. King, Richland, Wash. Aging alkali cellulose. 2,490,097, Dec. 6.
- Seaman, William H., Salina, Pa. Making composite castings. 2,483,849, Oct. 4.
- Seamans, James W., San Leandro, Calif. Countersinking appliance. 2,466,745, Apr. 12.
- Seamless Rubber Company, The, assignee: *See*—Kennedy, Carlton L., and Macdonald.
- Manville, Charles T., and Madsen.
- Seamprufe Incorporated, assignee: *See*—Caplin, William.
- Teamer, Mildred B.
- Searle, G. D., & Co., assignee: *See*—Burtner, Robert R., and Brown.
- Cusic, John W.
- Cusic, John W., and Robinson.
- Jacobsen, Robert P., and Pincus.
- Picha, George M.
- Searle, George H., Kew Gardens, Richmond, and W. D. L. Webb, Richmond, assignors to T. Wall & Sons Limited, London, England. Apparatus for slicing of extruded plastic materials. 2,491,395, Dec. 13.
- Searle, Norman E.: *See*—Arnold, Harold W., and Searle.
- Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic thiocyanates and isothiocyanates. 2,462,433, Feb. 22.
- Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trichloromethyl di(parachlorophenyl) methane. 2,464,265, Mar. 15.
- Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Omega-thiocyanalkyl esters and insecticidal compositions containing same. 2,467,235, Apr. 12.
- Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing anisole. 2,487,832, Nov. 15.
- Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 5,5,5-trichloropentyl phenyl ethers. 2,489,935, Nov. 29.
- Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of diazoacetic esters. 2,490,714, Dec. 6.
- Searles, Amos, Moscow, Pa. Renewable resilient idler unit. 2,484,752, Oct. 11.
- Searles, James R.: *See*—Polivka, John A., and Searles.
- Searles, Scott, Jr., Minneapolis, Minn., assignor to American Cyanamid Company, New York, N. Y. Phenyl thio-salicylate as a catalytic plasticizer for rubber. 2,483,984, Oct. 4.
- Sears, Charlotte R. S. and R. W., II, Evanston, Ill. Rotary trash chopper. 2,465,488, Mar. 29.
- Sears, Edward O., assignor to Colvin-Templeton, Inc., Oakland, Calif. Cold application. 2,479,784, Aug. 23.
- Sears, Hartley M., Pasadena, and T. S. Plueger, Altadena, Calif. Transmission for fishing reels. 2,487,387, Nov. 8.
- Sears, Philip R., Mountsides, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating means and control therefor. 2,467,783, Apr. 19.
- Sears, Ralph A., Bexley, Ohio. Telephone alarm system. 2,469,278, May 3.
- Sears, Ralph J., Anderson, Ind. Preserving garlic. 2,476,774, July 19.
- Sears, Raymond W., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,458,652, Jan. 11.
- Sears, Raymond W., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode for electron discharge devices and making the same. 2,491,284, Dec. 13.
- Sears, Richard W., II: *See*—Sears, Charlotte R. S. and R. W., II.
- Sears, Richard W., II, Evanston, assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter multiple case shift mechanism. 2,471,588, May 31.
- Sears, Roebuck and Co., assignee: *See*—Hohmann, Richard K.
- Humeston, Frederick L.
- Kiesow, Lothar.
- Moore, Edward B.
- Ralston, Hurley D., and Pearson.
- Sampsel, Arthur V.
- Taylor, William H.
- Zink, William L., Aasland, and Hauswirth.
- Seasongood, Albert A., Melrose Park, assignor to Leeds and Northrup Company, Philadelphia, Pa. Indicating control knob. 2,470,582, May 17.
- Seassau, Marceau, assignor to Les Produits de Beaute Pauline Bazine, Paris, France. Showcase for lipsticks. 2,487,275, Nov. 8.
- Seath, Edward G., and E. C. Klepp, assignors to Standard Telephones and Cables Limited, and S. Smith and Sons (England) Limited, London, England. Circuit element and motor for driving the same. 2,459,844, Jan. 25.
- Seaton, Alex J., Choctaw, Okla. Stuffing box construction. 2,480,055, Aug. 23.
- Seaton, Max Y., Greenwich, Conn., assignor to Food Machinery and Chemical Corporation. Preparing finely divided materials. 2,464,187, Mar. 8.
- Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Reversible buckle. 2,473,225, June 14.
- Seaver, Edgar, Burr Oak, Mich. Combined pipe wrench and vise. 2,483,713, Oct. 4.
- Seavey, Frederick R., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Electric firing device. 2,481,696, Sept. 13.
- Seawright, Herschel V., Jacksonville, Fla. Revolving display rack for showcases. 2,488,641, Nov. 22.
- Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,460,036, Jan. 25.
- Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,464,617, Mar. 15.
- Sebald, Joseph F., Bloomfield, N. J., and W. H. De Hay, Woodside, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Sight glass fluid flow indicator. 2,481,882, Sept. 13.
- Sebastian, James R.: *See*—Woldring, Bert, and Sebastian.
- Sebel, Harry, London, England. Furniture. 2,470,113, May 17.
- Sebell, Harry, Wilmington, assignor to Bell Products Corporation, Boston, Mass. Can. 2,490,888, Dec. 13.
- Sebok, Frank: *See*—Sebok, Joseph B. and F.
- Sebok, Joseph B. and F., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner. 2,458,745, Jan. 11.
- Seborg, Clarence O.: *See*—Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
- Seborg, Earnest Y., assignor to Barnes Drill Co., Rockford, Ill. Drive mechanism. 2,470,415, May 17.
- Sebring, Paul B., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Electronic switch. 2,480,385, Aug. 30.
- Seburger, Frederick, Ozone Park, N. Y. Mixer. 2,485,216, Oct. 18.
- Seckel, Ernst J., executor: *See*—Seckel, Marinus.
- Seckel, Marinus, deceased, by E. J. Seckel, executor, Enschede, Netherlands. Adhesive thread and fabric. 2,491,396, Dec. 13.
- Seckers, Stephen G., Perth Amboy, assignor of one-fourth to P. J. Gaylor, Newark, N. J. Ball point pen. 2,487,483, Nov. 8.
- Secor, Herbert W.: *See*—Gehr, Richard A., and Secor.
- Secor, Robert B., South Gate, assignor to Filtril Corporation, Los Angeles, Calif. Preparation of acid activated clay. 2,470,872, May 24.
- Security Fire Door Company, assignee: *See*—Schweig, Julius A.
- Security-First National Bank of Los Angeles, executor: *See*—Shoemaker, Louis H.
- Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Valve system for hydraulic press circuit. 2,462,815, Feb. 22.

- Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Relief valve control system. 2,470,583, May 17.
- Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Preferential operating valve. 2,471,289, May 24.
- Sedgwick, Robert K., and F. G. Cizek, assignors to American Steel Foundries, Chicago, Ill. Control circuit for fluid actuated motors. 2,465,758, Mar. 29.
- Sedille, Marcel H. L.: *See*—
Imbert, Roger J., and Sedille.
- Sedille, Marcel H. L., assignor to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France. Gas turbine for driving airscrews. 2,464,724, Mar. 15.
- Sedita, Charles: *See*—
Vallone, Joseph M., and Sedita.
- Sedlock, Robert P., San Diego, Calif. Work holding device. 2,480,885, Sept. 6.
- Seebold, James E., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,474,014, June 21.
- Seebold, James E., assignor to Standard Oil Company, Chicago, Ill. Ethylene polymerization process. 2,475,643, July 12.
- Seeburg, J. P. Corporation, assignee: *See*—
Jensen, Herman G.
Johnson, Carl G.
- Seeburg, N. Marshall, assignee: *See*—
Andrews, Edward F.
- Seedorf, Ralph F., assignor to Carthage Mills, Inc., Cincinnati, Ohio. Felt base material for adhesive attachment to surfaces and coating composition for same. 2,460,787, Feb. 1.
- Seefeldt, Lawrence: *See*—
Hansen, Harold, and Seefeldt.
- Seeger, Doris R.: *See*—
Hultquist, Martin E., and Seeger.
- Seeger, Edward W.: *See*—
Drugman, Lester D., and Seeger.
- Seeger, Edwin W.: *See*—
Charbonneau, Allan P., and Seeger.
Douglas, John F. H., Pell, and Seeger.
Pell, Eric, and Seeger.
Perrine, Robert O., Richter, and Seeger.
- Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Combined primary and secondary control of polyphase motors. 2,460,037, Jan. 25.
- Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control for electric motors. 2,477,147, July 26.
- Seeger, Nelson V.: *See*—
Lichty, Joy G., and Seeger.
- Seeger Refrigerator Company, assignee: *See*—
De Jarlais, Gordon M.
MacLeod, David E.
Richard, William E.
- Seegmiller, Robert: *See*—
Brenner, Abner, Seegmiller, and Riddell.
- Seelig, Herman S., Chicago, Ill., and J. Zisson, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Catalyst for carbon monoxide-hydrogen synthesis. 2,480,341, Aug. 30.
- Seeloff, Melvin M., and L. Conklin, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Chain welder. 2,464,752, Mar. 15.
- Seely, Llewellyn M., Cheltenham Township, Montgomery County, Pa. Cheese cutting machine. 2,481,162, Sept. 6.
- Seely, Richard E., Ft. Wayne, Ind., assignor to General Electric Company. Polyphase motor protective means. 2,467,862, Apr. 19.
- Seely, Richard E., Fort Wayne, Ind., assignor to General Electric Company. Electric protective means. 2,471,840, May 31.
- Seely, Thomas H., Melrose, and L. S. Linderoth, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Sole-pressing mechanism. 2,459,845, Jan. 25.
- Seem, Charles B., assignor to Dutchess Tool Company, Inc., Beacon, N. Y. Dough rounder. 2,461,929, Feb. 15.
- Seemann, Arthur K., Manhasset, N. Y., assignor to The Linde Air Products Company. Shock-resistant filament guide. 2,460,366, Feb. 1.
- Sefried, Harry H., II, assignor to Olin Industries, Inc., New Haven, Conn. Fire control mechanism for automatic and semiautomatic firearms. 2,464,418, Mar. 15.
- Sefried, Harry H., II, New Haven, Conn., assignor to Olin Industries, Inc. Semiautomatic firearm convertible to full automatic. 2,479,419, Aug. 16.
- Sefried, Harry H., II, assignor to Olin Industries, Inc., New Haven, Conn. Gas-operated self-loading firearm. 2,482,880, Sept. 27.
- Sefried, Harry H., II, assignor to Olin Industries, Inc., New Haven, Conn. Action-locking means for self-loading firearms. 2,491,218, Dec. 13.
- Sefton, Olive R.: *See*—
Sefton, Robert C., and Sefton.
- Sefton, Robert C., and O. R. Sefton, Dormont, assignors to S. Rudkin, Pittsburgh, Pa. Exerciser rocking device. 2,487,236, Apr. 12.
- Segal, Arthur R., Milwaukee, Wis. Case for circle saws. 2,459,460, Jan. 18.
- Segal, George, Great Neck, N. Y. Hops treatment. 2,473,395, June 14.
- Segal, May, New York, N. Y. Pickproof lock. 2,491,337, Dec. 13.
- Segal, Samuel: *See*—
Murphy, Edward B., and Segal.
- Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Notebook loose-leaf binder. 2,460,850, Feb. 8.
- Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Loose-leaf post binder. 2,474,698, June 28.
- Segal, Samuel, New York, N. Y. Key retainer. 2,481,787, Sept. 13.
- Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Paper perforating device. 2,482,218, Sept. 20.
- Segal, Samuel, assignor of forty per cent to H. Rubin, New York, N. Y., and twenty per cent to C. M. Palmer, Washington, D. C. Lipstick holder. 2,491,775, Dec. 20.
- Segall, Gordon H., McMasterville, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Process for the polymerization of 4-vinylcyclohexene dioxide. 2,460,195, Jan. 25.
- Segee, James E., Lawrence, and W. J. Gosselin, Methuen, Mass., assignors to U. S. Bobbin & Shuttle Co., Providence, R. I. Shuttle friction pad and assembly. 2,490,762, Dec. 6.
- Seger, Francis M., Pitman, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Condensation of olefins with organic compounds. 2,486,441, Nov. 1.
- Segerstrom, Carl A., Jr., West Englewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. High-frequency generator. 2,462,909, Mar. 1.
- Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric motor. 2,474,439, June 28.
- Segessemann, Ernest, Wood-Ridge, N. J., and N. M. Molnar, New York, N. Y. Tall oil treatment. 2,481,356, Sept. 6.
- Segool, Howard D.: *See*—
Pearson, John H., and Segool.
- Segre, Emilio G., Santa Fe, N. Mex., and C. E. Wiegand, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Neutron detector. 2,491,220, Dec. 13.
- Segsworth, Robert S.: *See*—
Low, Archibald R., and Segsworth.
- Segur, Asa B., Oak Park, Ill. Chain operations. 2,492,925, Dec. 27.
- Segura, Marnell A.: *See*—
McAdams, Don R., and Segura.
Walden, George H., Pierce, and Segura.
- Segura, Marnell A., Baton Rouge, La., assignor to Standard Oil Development Company. Catalyst for reduction of oxides of carbon with hydrogen. 2,476,920, July 19.
- Segura, Marnell A., Denham Springs, La., assignor to Standard Oil Development Company. Catalyst recovery in hydrocarbon synthesis processes. 2,479,420, Aug. 16.
- Segura, Marnell A., and D. R. McAdams, Baton Rouge, La., assignors to Standard Oil Development Company. Reclaiming a contaminated iron catalyst. 2,483,850, Oct. 4.
- Seibel, Charles F., Glen Rock, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic message accounting system. 2,488,607, Nov. 22.
- Seibel, Charles M., Kenmore, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Rotor blade. 2,470,056, May 10.
- Seibel, Charles M., Wichita, Kans. Helicopter rotor drive and control system. 2,471,904, May 31.
- Seiberling Rubber Company, assignee: *See*—
Allen, Raymond P.
Mechling, Frederick E.
- Seibert, Howard F.: *See*—
Tabor, Joseph M., Seibert, and Frohring.
- Seidel, Leon M., assignee: *See*—
Nurenberg, George F., and Campbell.
- Seiden, Herman L., assignor to S. Patner, Chicago, Ill. Toy wagon. 2,474,373, June 28.
- Seiden, Herman L., assignor to R. T. Moloney, Chicago, Ill. Electrostatic condenser housing. 2,479,872, Aug. 23.
- Seiden, Irving, Brooklyn, N. Y. Baby bottle holder. 2,459,546, Jan. 18.
- Seiders, Le Roy E., Bryan, assignor of 90 per cent to J. R. Hendricks, and 10 per cent to J. W. Kinney, Jr., Cincinnati, Ohio. Magnetic display device. 2,471,981, May 31.
- Seidner, Albert, Tel Aviv, Israel. Work holder for use in grinding and polishing lenses. 2,491,219, Dec. 13.
- Seifner, Louis F., and R. C. Moreau, Seattle, Wash., said Moreau assignor to said Seifner. Heat exchange unit. 2,471,784, May 31.
- Seifried, Anthony G., Akron, and R. H. Stoner, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Switch apparatus for machine controls. 2,487,187, Nov. 8.
- Seifried, Herman A., Flushing, N. Y. Device for shutting off sprinkler valves. 2,491,835, Dec. 20.
- Seigel, William J., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Lubricant servicing unit. 2,479,139, Aug. 16.

- Seign, Walter F.: *See*—
Smith, Virgil A., and Seign.
- Seil, Frances M., executrix, assignee: *See*—
Seil, Gilbert E.
- Seil, Gilbert E., Cynwyd, Pa.; F. M. Seil executrix of said G. E. Seil, deceased, assignor to F. M. Seil. Rotary kiln. 2,484,911, Oct. 18.
- Seiler, Fritz, Auvierier, assignor to Textile Researches Limited, Basel, Switzerland. Manufacture of knitted wear true to shape. 2,469,134, May 3.
- Seipos, Andrew G., Jackson Heights, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Stop mechanism for sorters. 2,492,664, Dec. 27.
- Seippel, Claude, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turbine installation. 2,461,186, Feb. 8.
- Seipt, Richard, Darien, and D. M. Steves, Tuckahoe, N. Y., assignors to Laminated Shim Company, Glenbrook, Conn. Shim. 2,473,307, June 14.
- Seipt, Willard R.: *See*—
Miller, Lewis B., and Seipt.
- Seismograph Service Corporation, assignee: *See*—
Hawkins, James E.
McKinney, Raymond U.
- Seiter, Kasson W.: *See*—
Meschter, Eldon E., and Seiter.
- Seitz, August W.: *See*—
Noel, Edward B., and Seitz.
- Seitz, John I.: *See*—
Breisch, Edgar W., and Seitz.
- Seitz, Walter K., Tampa, Fla. Airplane tire valve release mechanism. 2,470,873, May 24.
- Selas Corporation of America, assignee: *See*—
Bennett, Clarence H.
Bennett, Clarence H., and Wakefield.
Blaha, Emil.
Hess, Frederic O.
Hess, Frederic O., Miller, Dietrich, Jr.
Kniveton, James.
McFadden, Charles A.
- Selby, James, Hatch End, and G. O. I. Krieger, Berkhamstead, assignors to Victoria Machine Tool Company Limited, London, England. Electric circuit controlling apparatus. 2,488,337, Nov. 15.
- Selby, John: *See*—
Van Denberg, Thomas F., and Selby.
- Selby Shoe Company, The, assignee: *See*—
Carson, Gordon B.
- Selby, Theodore R.: *See*—
Campbell, Lyman L., and Selby.
- Seldin, Herman C., St. Louis County, assignor to Sel-Mor Garment Co. Inc., St. Louis, Mo. Ship. 2,459,590, Jan. 18.
- Seley, Charles E., assignee: *See*—
Wilsher, Samuel T. G.
- Self, Edward S.: *See*—
Dyke, Milton, and Self.
- Self, Edward S., Bakersfield, assignor to Shell Development Company, San Francisco, Calif. Oil base drilling fluid. 2,461,483, Feb. 8.
- Self, John L., Forest Hill, La. Braking system for motorcars. 2,471,244, May 24.
- Self Winding Clock Company, Inc., assignee: *See*—
Maerz, Henry.
- Selgin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. As-tatic cathode-ray tube. 2,459,724, Jan. 18.
- Selgin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Cathode-ray tube amplifier. 2,472,779, June 7.
- Selgin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Deflection modulation tube. 2,489,329, Nov. 29.
- Selgin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Neutralized cathode-ray deflection tube. 2,489,330, Nov. 29.
- Selgin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Multiple deflection cathode-ray tube. 2,489,331, Nov. 29.
- Seligman, Monroe, Passaic, and C. A. Sewell, Newark, N. J. Refrigeration system, including valve controls. 2,475,556, July 5.
- Selinger, Herbert, Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Calling and warning apparatus for communication systems. 2,489,202, Nov. 22.
- Selke, Otto H., Chicago, Ill., assignor to Milwaukee Chapel & Mfg. Co., Milwaukee, Wis. Mold anchor. 2,486,802, Nov. 1.
- Sell, Oscar R., Canton, Ohio. Sterilizing containers. 2,475,407, July 5.
- Sell, Richard G., and L. E. Thompson, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifier of the dry surface contact type. 2,461,087, Feb. 8.
- Sell, Vernon D., Kansas City, Mo. Golf practice device. 2,458,105, Jan. 4.
- Sellards, Frank B., North Hollywood, Calif. Amusement apparatus. 2,467,338, Apr. 12.
- Sellars, George L.: *See*—
Barber, Hiram L., and Sellars.
- Sellars, John C., assignor to East Lancashire Chemical Company Limited, Manchester, England. Magnetic testing apparatus. 2,469,476, May 10.
- Sellars, Leonard D., Culver City, Calif. Square lawn sprinkler. 2,459,244, Jan. 18.
- Sellers, Frederick B., assignor to Texaco Development Corporation, New York, N. Y. Catalytic synthesis of hydrocarbons. 2,464,532, Mar. 15.
- Sellers, Ira G., San Diego, Calif. Electric plug. 2,476,227, July 12.
- Sellman, Albert H.: *See*—
Duncan, Robert C., and Sellman.
- Sella, Harry G., Columbus, Ohio. Multiple circuit switch. 2,471,841, May 31.
- Sel-Mor Garment Co. Inc., assignee: *See*—
Seldin, Herman C.
- Selove, Walter, Chicago, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Apparatus for compressing the amplitude range of signals. 2,480,201, Aug. 30.
- Selvidge, Harner, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Vacuum tube grid construction. 2,460,794, Feb. 1.
- Selvidge, Harner, Silver Spring, Md. Ultra high frequency antenna system. 2,471,045, May 24.
- Selz, Jacques: *See*—
Ahier, Jean, and Selz.
- Semb, Joseph, New City, assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-amino-4-hydroxy-6-methyl pteridine. 2,477,426, July 26.
- Semb, Joseph, Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparing pteric acid amides. 2,491,285, Dec. 13.
- Semilof, Alex, assignor, by mesne assignments, to Reverse Products Co., Brooklyn, N. Y. Bottom rail for Venetian blinds. 2,485,217, Oct. 18.
- Semler, Loren H., assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Punch apparatus. 2,481,883, Sept. 13.
- Semon, Albert L., Short Hills, N. J. Air filtering and moisture separating device. 2,467,408, Apr. 19.
- Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for film-type distillations. 2,460,602, Feb. 1.
- Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of aldo-cyano esters. 2,460,603, Feb. 1.
- Sempe, William H., Fairbanks, Tex. Wheel attachment for transporting vehicles. 2,479,421, Aug. 16.
- Senator, Anthony, assignee: *See*—
Finley, Thomas B., and Laneri.
- Senaue, Alexander, assignor to Amperex Electronic Corp., Brooklyn, N. Y. Self-contained high-frequency oscillator. 2,469,180, May 3.
- Sendzimir, Tadeusz, and J. E. Eckert, assignors to Armzen Company, Middletown, Ohio. Design and construction of rolling mills. 2,479,974, Aug. 23.
- Senegas, Rene, New York, N. Y. Instrument for the presentation of quantitative data in visual graphic form. 2,488,338, Nov. 15.
- Senfieben, Paul W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for pressing soles on shoes. 2,486,537, Nov. 1.
- Seng Company, The, assignee: *See*—
Fox, Martin.
- Sengebusch, Hans: *See*—
Graybill, Kenneth W., and Sengebusch.
- Senior, George A., Jr., Bloomfield, N. J., assignor to Bakelite Corporation. Sulfonic acid-catalyzed oil-soluble phenol-aldehyde resins. 2,479,643, Aug. 23.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitro amines and preparing them. 2,465,958, Mar. 29.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitroalkyl substituted heterocyclic compounds and preparing them. 2,474,791, June 28.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Polyamino alcohols and preparing them. 2,474,792, June 28.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitro amines and preparing them. 2,479,873, Aug. 23.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of alkali metal salts of pure penicillin. 2,479,874, Aug. 23.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Aminodioxanes as insecticides. 2,485,987, Oct. 25.
- Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. β -nitroalkyl aralkyl ethers and preparing them. 2,485,988, Oct. 25.
- Senn Corporation, assignee: *See*—
Coake, Charles F.
- Senn, Jurg A., Milwaukee, Wis., assignor to the United States of America as represented by the Secretary of War. Constant speed rotor for turbines. 2,460,849, Feb. 8.

- Senn, Jurg A., Washington D. C., assignor to the United States of America as represented by the Secretary of War. Air turbine generator for fuses. 2,468,120, Apr. 26.
- Senn, Jurg A., Washington, D. C. Thermal responsive device and mounting therefor. 2,487,946, Nov. 15.
- Senn, Jurg A., Washington, D. C. Thin-walled diaphragm power unit. 2,487,947, Nov. 15.
- Senn, Jurg A., Washington, D. C. Proportional cycling switch. 2,487,948, Nov. 15.
- Senninger, Earl J., Chicago, Ill., assignor to Sanmyer Corporation. Liquid fuel burner nozzle. 2,489,823, Nov. 29.
- Senniger, Stuart N.: *See*—
Winther, Martin P., and Senniger.
- Sens, Charles L.: *See*—
Rusca, Ralph A., and Sens.
- Sensaud de Lavaud, Dimitri, and C. E. Mildé, Paris, France. Induction clutch. 2,488,079, Nov. 15.
- Sensel, Eugene E.: *See*—
Beck, Roland A., and Sensel.
Beck, Roland A., Sensel, and Millendorf.
- Sensenich Corporation, assignee: *See*—
Sensenich, Martin M.
Sensenich, Martin M., and Uhrich.
- Sensenich, Martin M., assignor to Sensenich Corporation, Lancaster, Pa. Manufacturing plastic coated wood propellers or impellers. 2,482,375, Sept. 20.
- Sensenich, Martin M., Lancaster, and H. R. Uhrich, Lititz, assignors, by mesne assignments, to Sensenich Corporation, Lancaster County, Pa. Controllable pitch propeller. 2,488,686, Nov. 22.
- Sensenich, Martin M., assignor to Sensenich Corporation, Lancaster, Pa. Controllable pitch propeller. 2,488,687, Nov. 22.
- Sens-Olive, Marcel, Paris, France, assignor to International Business Machines Corporation, New York, N. Y. Alphabetic and numeric comparing unit for accounting machines. 2,480,780, Aug. 30.
- Sentinel Products, Incorporated, assignee: *See*—
Schnier, Charles, Jr., and Zeiser.
- Sepavich, Victor F.: *See*—
Bergstrom, Carl P., and Sepavich.
Brouwer, Benjamin W., and Sepavich.
Kronoff, Clarence R., and Sepavich.
- Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric filling stop motion for looms. 2,482,943, Sept. 27.
- Sepavich, Victor F., and J. C. Manoog, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Control for loom electronic systems. 2,466,332, Apr. 5.
- Seppmann, Alfred B., Mankato, Minn. Compound master cylinder for hydraulic brake systems. 2,463,062, Mar. 1.
- Sepulchre, Fernand, Paris, France. Gas producer. 2,459,344, Jan. 18.
- Serbu, Peter M., Willingdon, Alberta, Canada. Egg-shelling separator. 2,465,176, Mar. 22.
- Serdex, Inc., assignee: *See*—
Hammel, Clifford M.
Hiltz, Paula A.
- Serie, William F., New York, N. Y. Work holder. 2,491,522, Dec. 20.
- Seright, Carl G., Riverton, N. J., assignor to Radio Corporation of America. Antenna current indicator. 2,485,171, Oct. 18.
- Serio, Harry P., Elmira, N. Y. Detachable handle. 2,478,784, Aug. 9.
- Serio, Harry P., Elmira, N. Y. Handle attachment for cooking utensils. 2,490,838, Dec. 13.
- Serkes, Max, Bronx, N. Y. Adjustable strainer. 2,463,209, Mar. 1.
- Serkland, Helmer O., St. James, Minn. Wall protector. 2,482,376, Sept. 20.
- Sermattei, John P.: *See*—
Murphy, Clyde G., and Sermattei.
- Sermattei, John P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof heat sealing composition. 2,490,550, Dec. 6.
- Serniuk, George E.: *See*—
Swaney, Miller W., and Serniuk.
- Serniuk, George E., Roselle, N. J., assignor to Standard Oil Development Company. Emulsion polymerization process. 2,460,038, Jan. 25.
- Serra y Sió, Jose, Barcelona, Spain. Driving means for spinning, twisting, and like spindles. 2,460,152, Jan. 25.
- Servais, Philip C., assignor to The Dow Chemical Company, Midland, Mich. Making siloxanes. 2,485,928, Oct. 25.
- Serval Slide Fasteners, Inc., assignee: *See*—
Voity, Maurice.
- Servel, Inc., assignee: *See*—
Andersson, Sven W. E.
Buffington, Ralph M.
Bulkley, William L.
Major, Ralph M.
McNeely, Lowell.
Meyer, Fred C.
Nauert, Carl H.
Pfender, Clifford D., Schultze, and Knerr.
Phillips, Benjamin A.
Reid, John G., Jr.
- Servel, Inc., assignee: *See*—Continued
Roswell, Charles A.
Schultze, Albert.
Shuart, Arthur C.
Skomp, Clifford E.
Taylor, Robert S., and Daley.
Wallace, Hugh.
Whitlow, Eugene P.
- Servis, Hoyt: *See*—
Nelson, James H., and Servis.
- Servo-Tek Products Company, assignee: *See*—
Kent, Frederick J., and Wilkins.
- Servus Rubber Company, The, assignee: *See*—
Steinhilber, Adolf A.
- Serzow, Roland J.: *See*—
Kuney, Clarence F., Wurst, and Serzow.
- Sesak, Steven G., Redwood City, Calif. Basin wrench having rotatably adjustable inner jaw and multiaxis-pivoted outer jaw. 2,491,623, Dec. 20.
- Seserman, Samuel, Dorchester, Mass. Vehicle wheel. 2,490,603, Dec. 6.
- Sessions Clock Co., The, assignee: *See*—
Sessions, William K., Jr., and Brightman.
- Sessions, Frank L., assignee: *See*—
Henning, Leslie G., and Sessions.
- Sessions, William K., Jr., Bristol, and E. D. Brightman, assignors to The Sessions Clock Co., Forestville, Conn. Electric alarm clock. 2,471,549, May 31.
- Sette, Frederick E., Alameda, Calif. Valve. 2,462,291, Feb. 22.
- Settecasti, Peter, New York, N. Y. Article dispensing device. 2,483,352, Sept. 27.
- Setter Bros., Inc., assignee: *See*—
Perkins, Hiram A.
- Settle, Frank E., Spokane, Wash. Painter's mask. 2,485,117, Oct. 18.
- Setzler, Paul H., Hamilton, Ohio. Semiautomatic welder. 2,481,163, Sept. 6.
- Seubold, Frank H., Jr., F. F. Rust, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Coupling of aromatic hydroxy compounds. 2,490,282, Dec. 6.
- Seutin, Maurice, Fresnes-sur-Escaut, France. Multiple mirror device having oppositely pivoted end mirror. 2,489,506, Nov. 29.
- Sevedge, James L.: *See*—
Mullett, Howard G., and Sevedge.
- Seveilhae, Francois and P., L. Cazeneuve, and P. Catharina, Toulouse, France. Pincer device for removably securing a dental prosthesis. 2,483,353, Sept. 27.
- Seveilhae, Pierre: *See*—
Seveilhae, Francois and P., Cazeneuve, and Catharina.
- Severac, Marie: *See*—
Raiziss, George W., Severac, and Clemence.
- Severance, Spencer W., and J. J. Rutkowski, assignors, by mesne assignments, to Switlik Parachute Company, Inc., Trenton, N. J. Reinforced parachute pack. 2,463,913, Mar. 8.
- Severance, Spencer W., and J. J. Rutkowski, assignors, by mesne assignments, to Switlik Parachute Company, Trenton, N. J. Parachute pack stiffening means. 2,463,914, Mar. 8.
- Severin, Alyerd W., Sheboygan Falls, and M. H. Feldmann, Plymouth, Wis. Manure loader. 2,481,251, Sept. 6.
- Savery, Victor H., Atlanta, Ga., assignor to Scripto, Inc. Fountain pen. 2,489,983, Nov. 29.
- Sevigny, Henry J., Methuen, Mass. Electromagnetically actuated vibrator. 2,482,033, Sept. 13.
- Servón, Johan W., Kuusankoski, Finland. Production of furfural. 2,463,000, Mar. 1.
- Seward, Basil E., Elk Point, S. Dak. Tractor hitch pin device. 2,459,245, Jan. 18.
- Sewell, Ben W., Tulsa, Okla., assignor to the United States of America as represented by the Secretary of the Navy. Delayed-action fuse. 2,463,210, Mar. 1.
- Sewell, Cleveland A.: *See*—
Seligman, Monroe, and Sewell.
- Sewell, Henry R., Norwell, and R. T. Palmer, Sharon, Mass., assignors, by mesne assignments, to Westinghouse Electric Corporation. Air distributing unit. 2,463,322, Mar. 1.
- Sexton, Dennis, Baltimore, Md. Pressure testing device. 2,477,663, Aug. 2.
- Sexton, Everett P., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for controlling brake cylinder pressure. 2,490,998, Dec. 13.
- Sexton, Everett P., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control apparatus for controlling brake cylinder pressure. 2,490,999, Dec. 13.
- Sexton, Robert L., Port Washington, N. Y., assignor to J. E. Lindberg, Jr., Redwood City, Calif. Engine ignition and power testing apparatus. Re. 23,150, Sept. 20.
- Sexton, Wilfred A., Manchester, England, assignor to Imperial Chemical Industries Limited. Prevention and destruction of weeds. 2,472,347, June 7.
- Seybert, Robert A.: *See*—
Perrin, Tom S., and Seybert.
- Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Company, Inc., New York, N. Y. Cutting knife slot closing plate. 2,467,537, Apr. 19.

- Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Automatic back gauge spacer. 2,487,031, Nov. 1.
- Seybold, René, Strasbourg-Melnau, France. Double valve for accordions and like musical instruments. 2,458,653, Jan. 11.
- Seyferth, Carl G., assignor to West Michigan Steel Foundry Company, Muskegon, Mich. Coupling for tractors and semitrailers. 2,469,279, May 3.
- Seyferth, Harold N., East Detroit, assignor to Ex-Cell-O Corporation, Detroit, Mich. Improving the surface of form ground races. 2,460,472, Feb. 1.
- Seyforth, Rome C., Shelby, Ohio. Portable atomizer. 2,462,563, Feb. 22.
- Seyfried, Wilson D., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalytic conversion process. 2,475,993, July 12.
- Seymour, Clifford P.: *See*—Porter, Charles B. A., and Seymour.
- Seymour, George W.: *See*—Dreyfus, Camille, Seymour, and Ward.
- Seymour, George W., V. S. Salvin, Cumberland, and W. D. Jones, Cresaptown, Md., assignors to Celanese Corporation of America. Amination of halobenzenesulfonyl chlorides. 2,466,125, Apr. 5.
- Seymour, George W., B. B. White, and A. J. Bellucci, Cumberland, Md., assignors to Celanese Corporation of America. Rapid ripening of cellulose esters. 2,470,191, May 17.
- Seymour, George W., Maplewood, B. B. White, Summit, and A. J. Bellucci, East Orange, N. J., assignors to Celanese Corporation of America. Rapid ripening of cellulose esters. 2,470,192, May 17.
- Seymour, George W., and V. S. Salvin, Cumberland, and W. D. Jones, Cresaptown, Md., assignors to Celanese Corporation of America. Diphenylamine sulfonamide dyestuffs. 2,474,333, June 28.
- Seymour, George W., and M. Duke, Cumberland, Md., assignors to Celanese Corporation of America. Conditioning agent. 2,479,644, Aug. 23.
- Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Reacting a nitro-hydroxy-anthraquinone with a primary amine and a product thereof. 2,480,269, Aug. 30.
- Seymour, George W., and D. Y. Miller, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus and method for producing high-tenacity yarns. 2,480,974, Sept. 6.
- Seymour, George W., B. B. White, and T. G. Davis, Cumberland, Md., assignors to Celanese Corporation of America. Mixed long chain cellulose esters. 2,484,124, Oct. 11.
- Seymour, George W., B. B. White, and E. Barabash, Cumberland, Md., assignors to Celanese Corporation of America. Oxidation of aldehydes. 2,487,188, Nov. 8.
- Seymour, George W., Cumberland, W. J. Elvin, Frostburg, and D. Y. Miller, Cumberland, Md., assignors to Celanese Corporation of America. Saponifying yarn cakes. 2,487,833, Nov. 15.
- Seymour, George W., B. B. White, and L. J. Rosen, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of cellulose esters. 2,490,164, Dec. 6.
- Seymour Manufacturing Company, The, assignee: *See*—Freed, Meyer L., and Stocker.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company. Polymerization products of piperylene and its methyl homologues, and unsaturated nitriles. 2,465,318, Mar. 22.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl aromatic compositions containing colloidal silica. 2,467,339, Apr. 12.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl ester compositions containing colloidal silica. 2,467,340, Apr. 12.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Methacrylate compositions containing colloidal silica. 2,467,341, Apr. 12.
- Seymour, Raymond B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal compositions containing colloidal silica. 2,467,342, Apr. 12.
- Seymour, Raymond B., and J. M. Butler, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymers of vinyl aromatic compounds. 2,471,785, May 31.
- Seymour, Raymond B., Chattanooga, Tenn., and F. L. Matthews, St. Louis, Mo., assignors to Monsanto Chemical Company. Mineral oil composition. 2,478,843, Aug. 9.
- Seymour, Raymond B., and G. M. Schroder, assignors to Henry H. Frede and Company, Chattanooga, Tenn. Absorbent fibrous sheets and making same. 2,486,803, Nov. 1.
- Seymour, Raymond B., and G. M. Schroder, assignors to Henry H. Frede and Company, Chattanooga, Tenn. Coating cellulosic textiles with maleic anhydride-styrene copolymer and solid polyethylene glycol. 2,486,804, Nov. 1.
- Seymour, Raymond B., and G. M. Schroder, assignors to Henry H. Frede and Company, Chattanooga, Tenn. Diapers and like sheetlike materials. 2,486,805, Nov. 1.
- Seymour, Raymond B., and G. M. Schroder, assignors to Henry H. Frede and Company, Chattanooga, Tenn. Diapers and like sheet-like materials. 2,486,806, Nov. 1.
- Shaback, Andrew J.: *See*—Mageoch, Harry Y., and Shaback.
- Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Hydrocarbon conversion with steam-treated kaolin. 2,474,868, July 5.
- Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Acid-activating kaolin clay. 2,477,664, Aug. 2.
- Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of an iron-freed acid-treated kaolin catalyst. 2,489,332, Nov. 29.
- Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalysis. 2,489,334, Nov. 29.
- Shabaker, Hubert A., Media, G. A. Mills, Ridley Park, Pa., and R. C. Denison, assignors to Houdry Process Corporation, Wilmington, Del. Preparation of clay catalysts. 2,466,046, Apr. 5.
- Shabaker, Hubert A., Media, G. A. Mills, Ridley Park, Pa., and R. C. Denison, assignors to Houdry Process Corporation, Wilmington, Del. Preparation of clay catalysts. 2,466,047, Apr. 5.
- Shabaker, Hubert A., Media, G. A. Mills, Ridley Park, Pa., and R. C. Denison, assignors to Houdry Process Corporation, Wilmington, Del. Preparation of clay catalysts. 2,466,048, Apr. 5.
- Shabaker, Hubert A., Media, G. A. Mills, Ridley Park, Pa., and R. C. Denison, assignors to Houdry Process Corporation, Wilmington, Del. Preparation of clay catalysts. 2,466,049, Apr. 5.
- Shabaker, Hubert A., Media, G. A. Mills, Ridley Park, Pa., and R. C. Denison, assignors to Houdry Process Corporation, Wilmington, Del. Process of hydrocarbon conversion with a pretreated montmorillonite clay catalyst. 2,466,050, Apr. 5.
- Shabaker, Hubert A., Media, G. A. Mills, Ridley Park, Pa., and R. C. Denison, assignors to Houdry Process Corporation, Wilmington, Del. Process of hydrocarbon conversion with a pretreated kaolin clay catalyst. 2,466,051, Apr. 5.
- Shabaker, Hubert A., Media, G. A. Mills, Ridley Park, Pa., and R. C. Denison, assignors to Houdry Process Corporation, Wilmington, Del. Preparation of clay catalysts. 2,466,052, Apr. 5.
- Shabaker, Hubert A., Media, and T. H. Millinken, Jr., Moylan, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Preparation of a catalyst composite of silica-alumina gel on acid-treated clay. 2,489,333, Nov. 29.
- Shaber, Neil B., Los Angeles, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Coupling. 2,475,057, July 5.
- Shabica, Anthony C., assignor to Merck & Co., Inc., Rahway, N. J. Preparation of dl-threonine. 2,461,847, Feb. 15.
- Shackell, Percy V., Durban, Natal, Union of South Africa. Portable coin holder or money container. 2,490,482, Dec. 6.
- Shadle, Floyd H., Minatare, Nebr. Precision sickle sharpener. 2,489,335, Nov. 29.
- Shadwick, George W., assignor to Beatrice Creamery Company, Chicago, Ill. Making butter. 2,463,915, Mar. 8.
- Shafarman, Nellye, Cleveland, Ohio. Garment display form. 2,479,140, Aug. 16.
- Shafer, George W., Jamison, assignor to L. A. Fetzer, Hartsville, Pa. Floral accessory assembling machine. 2,481,451, Sept. 6.
- Shafer, Orville B., Owego, assignor to International Business Machines Corporation, New York, N. Y. Mechanism for checking concurrently operating accumulating and printing devices. 2,475,340, July 5.
- Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Lubrication of rotary expandable chamber sliding vane tool motors. 2,464,997, Mar. 22.
- Shaff, Ernest H., Spring Lake, Mich., assignor to Cherry Rivet Company, Los Angeles, Calif. Apparatus for upsetting blind rivets having right angle bend in stem. 2,473,913, June 21.
- Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Rotary impact tool. 2,476,632, July 19.
- Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Tool operating mechanism. 2,491,624, Dec. 20.
- Shaffer, Charles, P. E. G. Hansen, and L. J. Schimmoller, New York, N. Y. Portable manifold and hose stand. 2,490,839, Dec. 13.
- Shaffer, Donald U., and F. J. Schweitzer, Jr., Brea, Calif., assignors to Shaffer Tool Works. Casing landing head. 2,471,658, May 31.
- Shaffer, Edward W., Wichita, Kans. Girdle applying device. 2,483,714, Oct. 4.
- Shaffer, Harry A., East Cleveland, Ohio. Detachable button. 2,471,589, May 31.

- Shaffer, Harry A., East Cleveland, Ohio. Detachable button. 2,484,654, Oct. 11.
- Shaffer, Harvey H., Berwick, Pa. Dead lever fulcrum. 2,472,443, June 7.
- Shaffer, Harvey H., Berwick, Pa. Railway truck bolster column guide. 2,482,219, Sept. 20.
- Shaffer, Morton J., New York, N. Y. Bellows type envelope having all edges of mouth reinforced. 2,460,909, Feb. 8.
- Shaffer Tool Works, assignee: *See—*
Counts, Ewell C., and Le Roy.
Shaffer, Donald U., and Schweitzer, Jr.
- Shaffer, Wade C., Humboldt, Kans. Sampling apparatus. 2,489,592, Nov. 29.
- Shafter, Ruland R., Freeport, N. Y., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Seal assembly for gyratory crushers. 2,489,936, Nov. 29.
- Shaheen, Elias, assignee: *See—*
Dager, Albert.
- Shaheen, John, West Roxbury, assignor to Sylvania Electric Products Inc., Salem, Mass. Discharge lamp ballast assembly. 2,473,034, June 14.
- Shakespeare Company, assignee: *See—*
Shakespeare, William, Jr.
- Shakespeare, Nancy: *See—*
Tarbell, Dean S., Shakespeare, and Bunnett.
- Shakespeare Products Company, assignee: *See—*
Batterson, Ernest W.
- Shakespeare, William, Jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,460,950, Feb. 8.
- Shallenberg, Walter, assignor to The Deming Company, Salem, Ohio. Pumping device. 2,468,642, Apr. 26.
- Shames, Sidney J., Cleveland, Ohio, and W. J. Raleigh, St. Paul, Minn. Manifold-pressure type metering control. 2,478,947, Aug. 16.
- Shanahan, Francis J.: *See—*
Dresser, Oscar C., Norgorden, Shanahan, and Shuler.
- Shanahan, Richard J.: *See—*
Pattullo, Milton D., and Shanahan.
- Shand, Edwin W., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,464,266, Mar. 15.
- Shand & Jurs Company, assignee: *See—*
Jurs, Peter C.
- Shand Kidd Limited, assignee: *See—*
Neumann, Salomon.
- Shanis, Arnold A. D., Philadelphia, Pa. Refrigeration coil for circulated air. 2,468,466, Apr. 26.
- Shank, Eldon C., Freeport, Ill. Centrifugal clutch. 2,460,539, Feb. 1.
- Shankland, Rodney V., assignor to Standard Oil Company, Chicago, Ill. Treatment of fluidized solid catalyst. 2,463,434, Mar. 1.
- Shanklin, John P., Baltimore, Md. Propagation of radio waves through a tunnel. 2,478,133, Aug. 2.
- Shanklin, John P., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Antenna system. 2,483,240, Sept. 27.
- Shankweiler, Ray G., Cranbury, N. J., assignor to Radio Corporation of America. Switch for radio-frequency current. 2,475,464, July 5.
- Shankweiler, Ray G., Cranbury, and D. Blitz, Princeton, N. J., assignors to Radio Corporation of America. Frequency modulation distance indicator. 2,459,461, Jan. 18.
- Shanley, William B., San Marino, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of olefinic hydrocarbons. 2,470,904, May 24.
- Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone alarm system. 2,461,241, Feb. 8.
- Shann, Theodore A.: *See—*
Schenker, Fritz A., and Shann.
- Shannon, Frank: *See—*
McGary, Frank E., Hochreiter, Schlecht, and Shannon.
- Shannon, Howell F., Richmond, Va. Airfoil and apparatus for creating a thrust or traction effect. 2,487,945, Nov. 15.
- Shannon, Jack F.: *See—*
Dickey, Paul S., and Shannon.
- Shannon, William D., River Forest, assignor to General Electric X-Ray Corporation, Chicago, Ill. Variable-speed apparatus. 2,490,234, Dec. 6.
- Shaper, Harry B., Astoria, N. Y., assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric transducer. 2,490,236, Dec. 6.
- Shaper, Harry B., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Mounting means for the moving coils of electromechanical translating devices. 2,478,329, Aug. 9.
- Shaper, Harry B., Cleveland Heights, and Clifford V. Franks, assignors to The Brush Development Company, Cleveland, Ohio. Starting relay for fluorescent lamps. 2,466,053, Apr. 5.
- Shapiro, Abram: *See—*
Ciski, Irving, and Shapiro.
- Shapiro, Arthur, Jamaica, and M. Hirschey, Woodside, assignors to Eagle Cone Corporation, Brooklyn, N. Y. Paper cup machine. 2,489,507, Nov. 29.
- Shapiro, Arthur L., Wilmette, Ill. Battery charger and rectifier therefor. 2,471,011, May 24.
- Shapiro, Gustave: *See—*
Rothman, Max I., and Shapiro.
- Shapiro, Harry S.: *See—*
Bachli, Herman, and Shapiro.
- Shapiro, Joseph, assignee: *See—*
Heyman, Albert A.
Wixon, Paul E., and Chapman.
- Shapiro, Morris: *See—*
Franks, David, and Shapiro.
- Shapiro, Rebecca L.: *See—*
Snell, Foster D., and Shapiro.
- Shapiro, Shepard, New York, N. Y. Apparatus and method for determining coagulability of blood. 2,478,785, Aug. 9.
- Shapleigh, James H.: *See—*
Nachod, Julius E., Rideout, and Shapleigh.
- Shappirio, Sol, Washington, D. C. Modified hydrocarbon compositions and petroleum distillates. 2,458,535, Jan. 11.
- Sharbaugh, Amandus H.: *See—*
Hall, Robert N., Sharbaugh, and Tonks.
- Sharf, John M.: *See—*
Gschwend, Paul, and Sharf.
- Sharkey, William B., assignor to The Raymond Bag Company, Middletown, Ohio. Forming valve bags. 2,488,038, Nov. 15.
- Sharkey, William H.: *See—*
Kirby, James E., and Sharkey.
McGrew, Frank C., and Sharkey.
- Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiol ester modification of synthetic rubbers. 2,458,432, Jan. 4.
- Sharlit, Herman, assignor to Helena Rubinstein, Inc., New York, N. Y. Cosmetic cake product. 2,465,340, Mar. 29.
- Sharon, James L., Marion, Ind. Reversible drive mechanism. 2,467,504, Apr. 19.
- Sharon Manufacturing Company, assignee: *See—*
Hudson, Sharon J.
- Sharon Steel Corporation, assignee: *See—*
Weesner, Carl W., Connor, and Hill.
- Sharp, Andrew G., Pittsburgh, Pa. Illuminable novelty. 2,483,107, Sept. 27.
- Sharp, Bayard, and C. W. Hess, Alameda, assignors to Yuba Manufacturing Company, San Francisco, Calif. Stacker drive. 2,488,833, Nov. 22.
- Sharp & Dohme, Incorporated, assignee: *See—*
Cope, Arthur C.
Moore, Maurice L.
Moore, Maurice L., and Sprague.
Schneiderwirth, Herman J.
Sprague, James M.
Wilcox, Paul W., and Jatul.
- Sharp, Donald E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for drawing sheet glass. 2,470,526, May 17.
- Sharp, Franklin H., and C. C. March, Pullman, Wash. Producing alumina. 2,487,076, Nov. 8.
- Sharp, Renwick J., Guatemala, Guatemala. Coffee-making device. 2,484,054, Oct. 11.
- Sharp, Thomas C., North Hollywood, Calif., assignor to Radio Corporation of America. Turntable drive system. 2,485,848, Oct. 25.
- Sharpe, Catharine D., executrix: *See—*
Sharpe, John S.
- Sharpe, Donald B., North Tonawanda, assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive articles. 2,460,367, Feb. 1.
- Sharpe, George H., Newton Centre, Mass. Broom rake. 2,481,697, Sept. 13.
- Sharpe, John C., Hayward, Calif. Multiple pressure fluid motor mechanism for pushing and pulling. 2,483,239, Sept. 27.
- Sharpe, John S., Haverford, Pa.; C. D. Sharpe, executrix of said J. S. Sharpe, deceased. Aerodynamic impelling device. 2,468,787, May 3.
- Sharpe, John S., deceased, Haverford; C. D. Sharpe, executrix, assignor to The Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, Philadelphia, Pa. Transmission unit. 2,481,627, Sept. 13.
- Sharpe, John S., Haverford, C. D. Sharpe, executrix of said J. S. Sharpe, deceased, assignor to The Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, Philadelphia, Pa. Jet propulsion motor. 2,486,990, Nov. 1.
- Sharpe, John S., Research Foundation of the Bryn Mawr Hospital, The, assignee: *See—*
Strumia, Max M., and Chornock.
- Sharples Chemicals Inc., assignee: *See—*
Eaton, John L.
Eaton, John L., and Fenn.
Fenn, John B., and Eaton.
Kleber, Eugene V.
Olin, John F.
Olin, John F., and Deger.
Ritter, Edmond J.
Robinson, Carrel N., Jr., and Olin.
- Sharples Corporation, The, assignee: *See—*
Gooch, Fred P.
Jones, Leo D., and Barnaby.
Sharples, Laurence P.

- Sharples, Laurence P., Ardmore, Pa., assignor to The Sharples Corporation. Centrifugal foam breaker. 2,489,678, Nov. 29.
- Sharples, Thomas G.: *See*—
Bostock, Godfrey S., and Sharples.
- Sharps, George J., assignor to Pachner & Koller, Inc., Chicago, Ill. Fish stringer. 2,473,348, June 14.
- Sharrow, Robert F., and C. J. Herman, Fort Wayne, Ind., assignors to General Electric Company. Dynamoelectric machine member. 2,465,820, Mar. 29.
- Shasta Pump Company, assignee: *See*—
Piccardo, Jack E.
- Shasta Volcolite Company, assignee: *See*—
Cantrall, Forrest L., and Carlisle.
- Shatkin, Aaron, Long Branch, N. J. Lighter. 2,477,398, July 26.
- Shattuck, De Witt C., Velva, N. Dak. Hydraulic hayfork. 2,474,374, June 28.
- Shatzer, Charles T., Zullinger, Pa. Pocket cutlery holder. 2,466,333, Apr. 5.
- Shaver, Forrest W.: *See*—
Gresham, Thomas L., and Shaver.
- Shaver, James B., assignee: *See*—
McDill, Rex D.
- Shaver, James B., University Heights, Ohio. Ventilating apparatus. 2,492,242, Dec. 27.
- Shaw, Albert W., assignee: *See*—
Beverleigh, Elmar R.
- Shaw, Charles D., assignee: *See*—
Bowditch, Frederick W.
- Shaw, Charles K., assignee: *See*—
Hawkins, Scott F., and Roberts.
- Shaw, Daniel: *See*—
Shaw, George, Marino, and Shaw.
- Shaw, Elgin L., Cuyahoga Falls, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Wing tip vortex reducer for aircraft. 2,485,218, Oct. 18.
- Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Log debarking machine. 2,490,165, Dec. 6.
- Shaw, Frederick T.: *See*—
Watson, Ernest A., and Shaw.
- Shaw, Gail L., and R. G. Jones, assignors to Eli Lilly and Company, Indianapolis, Ind. Making quinacrine. 2,459,777, Jan. 18.
- Shaw, George, Brooklyn, S. F. Marino, New York, and D. Shaw, Brooklyn, N. Y. Mouthpiece cover for musical instruments. 2,468,467, Apr. 26.
- Shaw, Harold D., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic nonchattering relay. 2,488,441, Nov. 15.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Latch for drop-side cribs. 2,473,914, June 21.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Collapsible baby carriage. 2,489,593, Nov. 29.
- Shaw, Harry, Healy, Whitworth Rochdale, England. Instrument for the measurement of surface finishes. 2,474,015, June 21.
- Shaw, Hubert, Drexel Hill, Pa., assignor to Radio Corporation of America. Television receiver horizontal deflection. 2,482,737, Sept. 20.
- Shaw, Hubert R., Drexel Hill, Pa., assignor to Radio Corporation of America. Control circuit. 2,460,540, Feb. 1.
- Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Combination oil cooler and valve mechanism. 2,468,519, Apr. 26.
- Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Temperature-regulating valve mechanism for heat-exchange devices. 2,469,212, May 3.
- Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Heat exchanger. 2,469,315, May 3.
- Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Heat-exchange unit. 2,469,316, May 3.
- Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Temperature-regulating valve mechanism. 2,480,676, Aug. 30.
- Shaw, Joe C., and W. L. Walton, assignors to Young Radiator Company, Racine, Wis. Deaerating and cooling device for hydraulic transmission fluids. 2,478,428, Aug. 9.
- Shaw, Joe C., and W. J. Schlapman, Racine, Wis., assignors to Young Radiator Company. Heat exchange unit. 2,480,675, Aug. 30.
- Shaw, John, Chicago, Ill. Combination seal, drip tube, and dispensing unit. 2,458,106, Jan. 4.
- Shaw, Joseph A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Treatment of coke-oven gas. 2,471,550, May 31.
- Shaw, Joseph A., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Gas purification process. 2,490,840, Dec. 13.
- Shaw, Joseph A., and E. Fisher, assignors to Koppers Company, Inc., Pittsburgh, Pa. Mercury acetylide-silver nitrate complex and making same. 2,474,869, July 5.
- Shaw, Joseph A., and E. Fisher, assignors to Koppers Company, Inc., Pittsburgh, Pa. Silver acetylide compound and making same. 2,483,440, Oct. 4.
- Shaw, Melvin C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cooling and lubrication of compressors. 2,470,655, May 17.
- Shaw, Morton R., Jr., assignor to Corning Glass Works, Corning, N. Y. Welding glass. 2,470,376, May 17.
- Shaw, Norman H., Stafford, assignor to The English Electric Company, Limited, London, England. Generator fed motor control system. 2,484,250, Oct. 11.
- Shaw, Richard, Jr., Bergenfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure switch. 2,485,783, Oct. 25.
- Shaw, Richard M., Lakewood, assignor of one-half to T. S. Mayner, Willoughby Township, Lake County, Ohio. Navigational instrument for computing courses. 2,477,556, July 26.
- Shaw, Thomas P. G.: *See*—
Morrison, George O., Shaw, Mercier, and Collins.
- Shaw-Walker Company, The, assignee: *See*—
Kuenzie, Fred C.
Straus, Lois K.
- Shaw, Willard C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Machine for winding flat oblong coils. 2,478,716, Aug. 9.
- Shaw, William R., Johnstown, Pa. Tea bag. 2,466,281, Apr. 5.
- Shawcross, Orry L., Portland, Oreg., assignor to Aluminum Company of America, Pittsburgh, Pa. Chemically coating aluminum. 2,466,971, Apr. 12.
- Shawinigan Chemicals Limited, assignee: *See*—
Cartier, Georges E.
Kaufmann, Charles, and Hall.
Morrison, George O., Shaw, Mercier, and Collins.
- Shawinigan Resins Corporation, assignee: *See*—
Lavin, Edward, and Boyce.
Wilson, Wilfred K.
- Shay, Albert R., Mantua, Ohio. Electric soldering iron. 2,469,479, May 10.
- Shayne, Max, assignee: *See*—
Winkler, James S.
- Shea, Frank M., assignor to Avon Manufacturing Corporation, Cincinnati, Ohio. Shield for radio receiver dial lamps. 2,488,244, Nov. 15.
- Shea, Patrick L., Buffalo, N. Y. Outside support or scaffold for window cleaners and the like. 2,492,598, Dec. 27.
- Shea, Richard F., Bridgeport, Conn., assignor to General Electric Company. Recording system. 2,469,213, May 3.
- Shea, William J., assignee: *See*—
Norton, Orio C.
- Sheaffer, W. A., Pen Company, assignee: *See*—
Colstad, Charles N.
Martin, Lynn P.
Olson, Wilbur K., and Martin.
Wallis, Frank B.
- Shealey, Harry M., Hagerstown, Md. Latching hinge. 2,488,882, Nov. 22.
- Sheard, Mary A., Buffalo, N. Y. Garment for orthopedic patients. 2,475,058, July 5.
- Shearer, Alexander P., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company, London, England. Maintaining acid catalyst concentration in an alkylation process. 2,488,943, Nov. 22.
- Shearer, Andrew D.: *See*—
Jaggi, Lewis F., Jr., Williams, and Shearer.
- Shearer, Howard E., and J. E. Van Nest, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Shaped fabricated article. 2,474,375, June 28.
- Shearer, Thomas R., Caldwell, N. J. Positive contact ignition assembly. 2,464,533, Mar. 15.
- Shearer, Walter G., Wenatchee, Wash. Device for filing circular saws. 2,482,694, Sept. 20.
- Shearer, Walter G., Wenatchee, Wash. File holder or guide. 2,482,695, Sept. 20.
- Shearman, Spicer D., assignor to The Aro Equipment Corporation, Bryan, Ohio. Pipe joint. 2,459,005, Jan. 11.
- Shearouse, James D., Norfolk, Va. Device for determining lengths of truss components. 2,465,663, Mar. 29.
- Shechter, Leon, East Orange, N. J., assignor to Bakelite Corporation. Preparation of unsaturated acid esters. 2,462,337, Feb. 22.
- Sheehan, John C., Rahway, R. Mozingo, Elizabeth, K. Folkers, Plainfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. 2-alkyl-5,5-dimethyl-Δ²-4-thiazoline-carboxylic acids and preparing the same. 2,477,148, July 26.
- Sheehan, John C., Arlington Heights, Mass., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing penicillamines. 2,477,149, July 26.
- Sheehan, John C., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Removal of histamine-like impurities from streptomycin. 2,480,611, Aug. 30.
- Sheehan, John C., Arlington Heights, Mass., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Chemical compounds and preparing them. 2,491,523, Dec. 20.
- Sheehan, John C., Arlington Heights, Mass., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Esters of penillic and isopenillic acids. 2,492,243, Dec. 27.
- Sheeley, Charles F., East Orange, N. J., assignor of one-half to R. E. Joy, Freeport, N. Y. Control for cutting apparatus. 2,467,161, Apr. 12.

- Sheesley, Jay R., Winnetka, Ill. Dump car door lock. 2,482,516, Sept. 20.
- Sheets, Jack H., and M. E. Cushman, Verona, N. J., assignors to Curtiss-Wright Corporation. Propeller hub and associated blades. 2,460,910, Feb. 8.
- Sheffer, Marion L., Philadelphia, assignor to Willson Products, Inc., Reading, Pa. Gas-absorbing material and making same. 2,479,520, Aug. 16.
- Sheffield Corporation, The, assignee: *See*—
Aller, Willis F., and McConnell.
Polk, Louis F.
Polk, Louis F., and Mahlmeister.
Rauch, Konrad.
Reams, Howard E.
Trame, Joseph A., Jr.
- Sheffield, Donald H.: *See*—
Long, John H., and Sheffield.
- Sheffield Farms Company, Inc., assignee: *See*—
Hand, David B., and Brereton, and Kaufmann.
Winning, Ross J.
- Sheffield, Walter W., Atlanta, Ga. Setting indication device for sextants. 2,463,649, Mar. 8.
- Sheffield, Wilbur L., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Grid making machine. 2,480,677, Aug. 30.
- Sheftz, George J., Throop, Pa. Engine crankcase and cylinder cleaning and flushing device. 2,490,235, Dec. 6.
- Sheidley, Hubert O.: *See*—
Brelsford, Jay O., and Sheidley.
- Shekels, Harold F., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Drive mechanism for grinding wheels. 2,487,949, Nov. 15.
- Sheker, James W., Fort Dodge, Iowa. Vacuum cleaner support. 2,467,997, Apr. 19.
- Shelby, Eugene F., Long Beach, Calif. Apparatus for high evacuation. 2,469,006, May 3.
- Sheldon, Butler, Jr., New York, N. Y., assignor to Triumph Laboratories Inc. Beer pouring device. 2,492,327, Dec. 27.
- Sheldon, Garnett G., Ferrysburg, Mich. Jet flow rudder. 2,483,675, Oct. 4.
- Sheldon, Lillian, Chicago, Ill. Wrist band. 2,473,226, June 14.
- Sheldon, Roy E., Portland, Oreg. Actuating mechanism for velocipedes. 2,474,870, July 5.
- Sheldrick, George E., Grosse Pointe, Mich. Cutting tool. 2,485,324, Oct. 18.
- Sheliski, Joseph, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Gun mount assembly. 2,465,937, Mar. 29.
- Shell Development Company, assignee: *See*—
Adelson, David E.
Adelson, David E., and Dannenberg.
Adelson, David E., and Evans.
Adelson, David E., and Gray, Jr.
Ballard, Seaver A., and Geyer.
Ballard, Seaver A., Geyer, and Mortimer.
Ballard, Seaver A., and Morris.
Ballard, Seaver A., Morris, and Van Winkle.
Barnum, Emmett R., and Perry.
Bishop, Eugene T.
Blott, John F. T.
Bondi, Arnold A.
Border, Lawson E.
Borus, Ben.
Broeze, Johannes J.
Brunner, Eugene M., and Mardock.
Castner, Robert C., and Peters.
Chilton, Ernest G.
Cole, Robert M.
Cunningham, James J., Johnston, and Phillips.
Davies, Elwyn P., and Eggertsen.
Dawson, Reginald D.
De Nie, Willem L. J.
Deutsch, Robert K., Larson, and Middlebrook.
Dorman, Stephen C.
Dorman, Stephen C., and Ballard.
Dunn, Clarence L., Souders, and Groot.
Engel, Willem F.
Evans, Theodore W.
Fay, Charles H., and Tvedt.
Feild, Alexander S.
Fetterly, Lloyd C.
Garner, Philip J., and Croft-White.
Geyer, Bradford P., and Ballard.
Good, George M., and Voge.
Goren, Mayer B.
Greensfelder, Bernard S., and Moore.
Gregory, James N., and Elder.
Hansen, Charles.
Hatch, Lewis F., Adelson, and Blackburn.
Haury, Vernon E.
Hearne, George W., and Adams.
Hearne, George W., La France, and Evans.
Hearne, George W., and Yale.
Hoogendam, Adriaan M. I.
Johnson, Ava J.
Johnson, Ava J., and Rosebaugh.
Kingston, Benson M., and McKinsey.
Kolvoot, Egbert C., and Akkerman.
Kooijman, Eduard C., and Hoing.
- Shell Development Company, assignee: *See*—Continued.
Kooijman, Eduard C., and Overhoff.
Kooijman, Pieter L.
Kubicek, Naci F.
Larsen, Robert G.
Luten, Daniel B., Jr., and Benedictis.
Malott, Raymond A.
Marple, Kenneth E.
Maycock, Russel L.
McAllister, Sumner H., Anderson, and Peterson.
Merten, Eugen.
Moore, Robert J., and Greensfelder.
Moore, Robert J., and Trimble.
Morris, Rupert C., and Horowitz.
Morris, Rupert C., and Melchor.
Morris, Rupert C., and Shokal.
Morris, Rupert C., Shokal, and Van Winkle.
Morris, Rupert C., and Snider.
Morris, Rupert C., Snider, and Bishop.
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle, and Shokal.
Nixon, Alan C., Lehwalder, and Cheney.
Penfield, Charles S.
Perry, George L.
Perry, Norman E.
Pierotti, Gino J., Souders, Jr., and French.
Rosebaugh, Theodore W.
Rudd, Herbert W.
Ruscheidt, Gottfried E., and de Nie.
Rust, Frederick F., Raley, and Vaughan.
Ryland, Lloyd B., and Tamele.
Schiermeier, Knapel F.
Schiermeier, Knapel F., and Heinz.
Self, Edward S.
Seubold, Frank H., Rust, and Vaughan.
Shiras, Russell N.
Shiras, Russell N., Nixon, and Deal, Jr.
Shokal, Edward C., and Bent.
Shokal, Edward C., and Devlin.
Shokal, Edward C., and Whitehill.
Shokal, Edward C., Whitehill, and Wittenwyler.
Short, Henry N., and Olmsted.
Smith, Albert E., and Beeck.
Smith, Curtis W.
Smith, Curtis W., and Ballard.
Smith, Curtis W., and Norton.
Snider, Alva V., and Morris.
Sommer, Harry J.
Souders, Mott, Jr.
Stern, Richard.
Tamele, Miroslav W., Irvine, and Mahar.
Tess, Roy W., Hearne, and Yale.
Thomas, Howeth J., Stager, and McCombie.
Van de Griendt, Gerald H., and Peters.
Van den Berge, Jacob.
Van den Bussche, Hendrik K. J.
Van der Minne, Johan L.
Van Dijck, Willem J. D.
Van Ess, Paul R.
Van Loon, Mintje.
Van Olphen, Hendrik.
Van Peski, Adrianus J., and C. C. Johanna.
Van't Spijker, Peter, and Sherred.
Van Voorthuysen, Jan J. B. V. E., and Engel.
Voge, Hervey H., and Good.
Voge, Hervey H., Greensfelder, and Peery.
Von Fuchs, George H., and Pilz.
Wachter, Aaron, and Stillman.
Weber, Martin K., and Nelson.
Werner, Ernest G. G., and Farenhorst.
Whetstone, Richard.
Whetstone, Richard R.
Whetstone, Richard R., and Ballard.
White, Ellis R.
Williams, Charles G., and Chamberlain.
Williams, Paul H., and Evans.
Woods, Harold A., Yates, Klingens, and Barton.
- Shell, Elwood F., San Francisco, Calif. Tire recapping mold. 2,468,121, Apr. 26.
- Shellem, Harry A., Philadelphia, and G. T. Campbell, Croydon, Pa. Slug feeding and inspection mechanism for jacketed projectile assembling machines. 2,464,830, Mar. 22.
- Shellhouse, Michael, and C. E. Cleaver, Gary, Ind. Shock relief unit for crutches. 2,478,667, Aug. 9.
- Shellmar Products Corporation, assignee: *See*—
Cox, John W.
Curtiss, Walter C., Jr.
De Swart, Jan.
Moore, George A.
Fardee, Edward A.
Piazze, Thomas E.
Speyer, Fred B.
- Shelton, Benjamin J., U. S. Navy. Shaft seal construction. 2,463,568, Mar. 8.
- Shelton, Edward E., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube. 2,458,962, Jan. 11.
- Shelton, Francis K.: *See*—
Churchward, Ruth E., and Shelton.
- Shelton, Harold, Elwood, Victoria, Australia. Actuating mechanism applicable to vehicle brakes. 2,477,468, July 26.

- Shelton, Lee E.: *See*—
Swennes, Benjamin A., Shelton, and Swenson.
- Shelton, Rob R., and C. R. Rau, assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Furniture leg construction. 2,485,172, Oct. 18.
- Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Wyoming, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Beta-cyclohexyl-alpha-alpha-dimethyl-alpha-dimethyl-alpha-amino ethane and salts thereof. 2,482,377, Sept. 20.
- Shelton, Roy: *See*—
Zimbelman, George W., and Shelton.
- Shelton, Roy, assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Metal radiant for gas heaters. 2,474,169, June 21.
- Shenk, Eugene R.: *See*—
Miller, William A., and Shenk.
Smith, James E., and Shenk.
- Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Two-tone keyer. 2,459,462, Jan. 18.
- Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Amplitude modulator. 2,469,747, May 10.
- Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Voltage two-tone source. 2,482,561, Sept. 20.
- Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Synchronizing system for telegraphy. 2,483,786, Oct. 4.
- Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Square wave generator with impulse counter timing control for frequency division. 2,489,824, Nov. 29.
- Shenk, Wilbur J.: *See*—
Drake, Nathan L., and Shenk.
- Shenker, Ben, West Orange, N. J. Toy target device. 2,484,912, Oct. 18.
- Sheonberg, Abraham J., assignor to Empire Furniture Company, Clinton, Mass. Table leg fastening means. 2,485,784, Oct. 25.
- Shepard, Berger M., Washington, D. C. Core replacing apparatus and method for stranded cables. 2,484,055, Oct. 11.
- Shepard, Carl F., Chicago, Ill., assignor to Keystone View Company, Meadville, Pa. Target for testing the resolving power of the human eye. 2,463,813, Mar. 8.
- Shepard, Carl F., Chicago, Ill., assignor to Keystone View Company, Meadville, Pa. Card for testing the color sense of the human eye. 2,464,001, Mar. 8.
- Shepard, Chester C., Detroit, Mich. Wire stripper. 2,463,122, Apr. 26.
- Shepard, Frank B., and N. D. Shepard, Texon, Tex. Razor blade holder. 2,478,668, Aug. 9.
- Shepard, Neal D.: *See*—
Shepard, Frank B. and N. D.
- Shepard, Ralph H.: *See*—
Folke, Bengt E., and Shepard.
- Shepard, Ralph H., assignor to Nathan Manufacturing Company, New York, N. Y. Hydraulic pump. 2,467,916, Apr. 19.
- Shepard, Roger D., Corpus Christi, Tex. Wooden dish-washing basket. 2,477,905, Aug. 2.
- Shepard, Stanley C.: *See*—
Wolfson, Henry, and Shepard.
- Shepard, Stanley C., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Time and thermostatically controlled switching arrangement. 2,471,457, May 31.
- Shepard, Stanley Y., Sr., Atherton, Calif. Iron holder. 2,473,731, June 21.
- Shepeck, Albert C., Menominee, Mich. Vibrating block molding machine. 2,470,377, May 17.
- Shepherdson, John W., and J. M. O'Malley, assignors to Morgan Construction Company, Worcester, Mass. Vertical rolling mill. 2,491,286, Dec. 13.
- Shepherd, Raymond, Denver, Colo. Motorcycle carrier attachment. 2,491,062, Dec. 13.
- Shepherd, William L., Norfolk, Va. Toy ferry system. 2,474,576, June 28.
- Shepherd, Clarence G., Fontana, Calif. Drinking fountain. 2,472,387, June 7.
- Shepherd, Daniel F., assignor to Carrier Corporation, Syracuse, N. Y. Reciprocating compressor having means for separating gaseous refrigerant from foam. 2,469,086, May 3.
- Shepherd, George F., Brighton, Victoria, Australia. Caster. 2,484,189, Oct. 11.
- Shepherd, George M., Brookfield, Mo., assignor to the United States of America as represented by the Secretary of Commerce. Colorimetric gas detection. 2,487,077, Nov. 8.
- Shepherd, Harold F., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Dual fuel combustion system for internal-combustion engines. 2,470,747, May 17.
- Shepherd, James E., Hempstead, N. Y., assignor to The Sperry Corporation. Mixing circuit. 2,485,665, Oct. 25.
- Shepherd, Nathaniel T., Salt Lake City, Utah, assignor of one-half to Precision Metal Workers, Chicago, Ill. Caster guard. 2,483,241, Sept. 27.
- Shepler Howard W., Womelsdorf, Pa. Pusher attachment for any row crop tractor. 2,478,948, Aug. 16.
- Shepler, James G., Columbus, Ohio. Safety device for motion-picture projectors. 2,471,786, May 31.
- Sheppard, George F., Mount Royal, Quebec, Canada. Torque arm suspension unit. 2,467,917, Apr. 19.
- Sheppard, Glenn E.: *See*—
McIntosh, Ralph C., and Sheppard.
- Sheppard, Harry N., Maplewood, N. J., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knit hosiery and making same. 23,094, Mar. 22.
- Sheppard, Raymond: *See*—
Farnham, Sherman B., and Sheppard.
- Sheppard, Richard H., Hanover, Pa. Hydraulic power transmission. 2,469,085, May 3.
- Sheppard, William L., Farmington, Mich., assignor to Eureka Williams Corporation. Bag coupling for suction cleaners. 2,460,851, Feb. 8.
- Sheraski, Edward E., Manitowoc, Wis. Knockdown box structure for fishing and tip-up signaling devices. 2,483,787, Oct. 4.
- Sherbondy, William A., Shaker Heights, Ohio. Holder for carfare tokens. 2,459,292, Jan. 18.
- Sherburne, Philip C., Warwick, assignor to Grinnell Corporation, Providence, R. I. Eye bolt. 2,487,989, Nov. 15.
- Sheren, Keith: *See*—
Lewis, Alfred H., and Sheren.
- Sherer, Joseph S., Jr.: *See*—
Bradley, Robert E., and Sherer.
- Sheridan, T. W. & C. B., Company, assignee: *See*—
Schweizer, Paul.
- Sherman, Arthur G., Tracy, Calif. Feeding apparatus. 2,489,594, Nov. 29.
- Sherman, C. Lawrence, Cherry Valley, assignor of one-half to J. E. Tabor, Belvidere, Ill. Wire terminal loop former. 2,458,536, Jan. 11.
- Sherman, George B., and H. M. Clark, Detroit, Mich., assignors, by mesne assignments, to Sherman Industries, Inc. Auxiliary transmission. 2,487,735, Nov. 8.
- Sherman, H. B., Manufacturing Company, assignee: *See*—
Doerr, Keith.
Stinchcomb, Loid M., and Doerr.
- Sherman, Harry M., assignee: *See*—
Brunne, Alwin E.
- Sherman Industries, Inc., assignee: *See*—
Sherman, George B., and Clark.
- Sherman, John Q., deceased, by K. M. Sherman, W. C. Sherman, and W. B. Turner, executors, Dayton, Ohio. Strip trimmer. 2,476,326, July 19.
- Sherman, Katherine M., executrix: *See*—
Sherman, John Q.
- Sherman, Laurence R., Glens Falls, N. Y., assignor to Nopco Chemical Company, Harrison, N. J. Wax sizing paper making fibers using a cationic surface active agent. 2,487,899, Nov. 15.
- Sherman, Laurence R., Glens Falls, N. Y., and W. R. Benson, Seattle, Wash., assignors of one-half to Nopco Chemical Company, and one-half to Crown Zellerbach Corporation, San Francisco, Calif. Utilization of waste wax paper. 2,488,515, Nov. 15.
- Sherman, Leslie C., Albany, N. Y. Fabricated block for wall construction. 2,480,612, Aug. 30.
- Sherman Paper Products Corporation, assignee: *See*—
Merkle, Gustav.
- Sherman Products, Inc., assignee: *See*—
Clark, Hubert M.
- Sherman, Rallston M., Glastonbury, Conn. Combined oil and gas range. 2,476,067, July 12.
- Sherman, Ralph, by change of name: *See*—
Scheirmann, Raphael.
- Sherman, Ralph A., and B. A. Landry, Columbus, Ohio. Cross-draft magazine heater for burning solid fuel. 2,481,164, Sept. 6.
- Sherman, Roy E., and L. P. Hanson, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Making boots from knitted tubular stock. 2,467,237, Apr. 12.
- Sherman, Thomas L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Crankless mechanism. 2,475,295, July 5.
- Sherman, Thomas L., assignor to The Steel Products Engineering Co., Springfield, Ohio. Pumping apparatus. 2,479,876, Aug. 23.
- Sherman, Thomas L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Braking system. 2,483,941, Oct. 4.
- Sherman, Wilbur G., assignor to Accurate Tool and Engineering Company, San Diego, Calif. Chuck. 2,468,946, May 3.
- Sherman, William C., executor: *See*—
Sherman, John Q.
- Sherman, William M., Ketchikan, Alaska, dedicated to the free use of the people in the territory of the United States. Hose coupling expander. 2,481,628, Sept. 13.
- Sherred, John A.: *See*—
Van't Spijker, Peter, and Sherred.
- Sherrill, Sloan S.: *See*—
Lovett, Leroy W., Sherrill, and Stiegler.
- Sherry, Arthur B.: *See*—
Chavannes, Marc A., and Sherry.
- Sherry, Robert, Far Rockaway, N. Y. Safety pulley. 2,489,679, Nov. 29.

- Sherwin-Williams Company, The, assignee: *See*—
 Arvin, James A.
 Arvin, James A., and Hunn.
 Kuhn, Joseph M., and Bodenschatz, Sr.
 Pascal, Michael W.
- Sherwood Brass Works, assignee: *See*—
 Sherwood, David.
- Sherwood, David, assignor to Sherwood Brass Works, Detroit, Mich. Pump mounting. 2,481,452, Sept. 6.
- Sherwood, Glenn L., Benton Harbor, Mich. Hook. 2,487,388, Nov. 8.
- Sherwood, Glenn L., Benton Harbor, Mich. Apparatus for assembling Venetian blinds. 2,489,467, Nov. 29.
- Sherwood, Henry A.: *See*—
 Schirokauer, Henry.
- Sherwood, Henry A., New York, N. Y., assignor to Waldes Koh-I-Noor, Inc. Circuit control. 2,463,470, Mar. 1.
- Sherwood, Henry A., New York, N. Y. Bicycle coaster brake. 2,473,177, June 14.
- Sherwood, Leslie F., Hollis, N. Y., assignor to Radio Corporation of America. Transcriber for ink recorder tape. 2,480,386, Aug. 30.
- Sherwood, Lester L., Los Angeles, Calif. Keeper for straps and cords. 2,481,788, Sept. 13.
- Sherwood, Robert H., assignee: *See*—
 Baughman, Ray G.
- Sherwood, Robert M., and R. J. Urick, San Diego, and L. P. Delsasso, Los Angeles, Calif. Optical sound bearing system. 2,470,114, May 17.
- Shesnak, John, Canton, Ohio. Film holder adapter construction. 2,464,725, Mar. 15.
- Shewmon, Ralph K., and I. M. Levy, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Temperature control switch. 2,487,276, Nov. 8.
- Shields, Albert F., Forest Hills, assignor to The S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Taping machine. 2,467,275, Apr. 12.
- Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Tape prefeeder. 2,488,339, Nov. 15.
- Shields, Benjamin J., Black Springs, assignor of one-half to J. M. Lowery, Norman, Ark. Wire stretcher and splicer. 2,475,525, July 5.
- Shields, Charles B., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuits. 2,458,746, Jan. 11.
- Shields, Charles B., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,482,296, Sept. 20.
- Shields, James J., Denver, Colo. Elevating conveyer. 2,490,381, Dec. 6.
- Shields, James R.: *See*—
 Barnebey, Herbert L., and Shields.
- Shields, James R., Pittsburgh, and H. L. Barnebey, Oakmont, assignors to Blaw-Knox Company, Pittsburgh, Pa. Process and apparatus for recovering in the form of alkali metal salts the oxides of nitrogen from gases containing the same. 2,467,274, Apr. 12.
- Shields, Robert, Agawam, Mass. Water heater. 2,466,488, Apr. 5.
- Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Spot welding apparatus. 2,486,331, Oct. 25.
- Shields, Stanley R., Salt Lake City, Utah. Hair drier. 2,466,915, Apr. 12.
- Shields, Walter J., assignor of one-fourth to R. R. Stachnik, Chicago, Ill. Valve. 2,486,215, Oct. 25.
- Shields, Wendell H., Grand Rapids, Mich. Heat-treating fabric. 2,485,072, Oct. 18.
- Shiffner, William H.: *See*—
 Claussen, William H., and Shiffner.
- Shiffner, William H., San Francisco, and W. H. Claussen, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Hydrocarbon conversions. 2,485,073, Oct. 18.
- Shilala, George E., Los Angeles, Calif. Solid convertible top. 2,471,378, May 24.
- Shildneck, Lloyd P., Marblehead, and J. M. Lyons, Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,489,109, Nov. 22.
- Shildneck, Paul R., Decatur, Ill., assignor to A. E. Staley Manufacturing Company. Conversion of alpha amino acids to alpha hydroxy acids. 2,461,701, Feb. 15.
- Shill, Sidney C., Los Angeles, Calif. Piano. 2,469,668, May 10.
- Shilling, Clark C., San Diego, Calif. Vehicle springing assembly. 2,473,732, June 21.
- Shimek, Edwin J., Dallas, Tex. Borehole explosive charge. 2,491,692, Dec. 20.
- Shimer, F. A., assignee: *See*—
 Bennett, Donald R., and Pat, and Young.
- Shimmel, Lester A., assignee: *See*—
 Smith, Charles P.
- Shimp, Richard A.: *See*—
 Scott, Philip H., and Shimp.
- Shimrat, Moshe, by change of name: *See*—
 Sieradzki, Mojzesz.
- Shimwell, Derrick W., Rowsley, England. Loom beat-up mechanism. 2,471,354, May 24.
- Shina, Frank C., Thomson, N. Y., assignor to United Board & Carton Corporation. Folding carton. 2,468,123, Apr. 26.
- Shina, Frank C., Thomson, N. Y., assignor to United Board & Carton Corporation. Reclosable carton. 2,473,492, June 14.
- Shingle, Lester H., Philadelphia, Pa. Transmission belt. 2,468,898, May 3.
- Shinn, Charles A., Cheltenham, Pa. Hammer drill. 2,484,471, Oct. 11.
- Shinn, Edward, Jr., West Orange, N. J. Hollow reinforced concrete building unit. 2,476,433, July 19.
- Shinners Packaging Incorporated, assignee: *See*—
 Smart, Sidney K.
- Shipley, Archie M., Chicago, Ill. Hand control accelerator for automobiles. 2,489,727, Nov. 29.
- Shipley, Frank F.: *See*—
 Maloney, Martin E., and Shipley.
- Shipley, Robert C., Kalamazoo, Mich. Clamp having spring-pressed movable jaw actuated by cam-advanced and spring-retracted pressure plate. 2,467,600, Apr. 19.
- Shipley, Sherman, Ada, Okla. Electric hedge trimmer. 2,484,753, Oct. 11.
- Shipman, Frank G., Shelburn, Ind. Fishing lure. 2,471,499, May 31.
- Shipman, Raldo E., Sunbury, Pa. Bobbin board. 2,475,724, July 12.
- Shipman, Raldo E., Sunbury, Pa. Thread guide. 2,475,725, July 12.
- Shipway, Roger P.: *See*—
 Plaistowe, Donald L., and Shipway.
- Shiras, Russell N., Oakland, A. C. Nixon, Berkeley, and C. H. Deal, Jr., Alameda, assignors to Shell Development Company, San Francisco, Calif. Isomerization of cycloparaffins of nonhydroaromatic structure. Re. 23,151, Sept. 20.
- Shiras, Russell N., Oakland, A. C. Nixon, Berkeley, and C. H. Deal, Jr., Alameda, assignors to Shell Development Company, San Francisco, Calif. Isomerization of cycloparaffin of nonhydroaromatic structure. 2,460,852, Feb. 8.
- Shiras, Russell N., Oakland, assignor to Shell Development Company, San Francisco, Calif. Addition of carbon monoxide-hydrogen to unsaturated compounds. 2,490,283, Dec. 6.
- Shirley, Charles H., Bridgeville, Pa. Artillery war game. 2,460,770, Feb. 1.
- Shirk, Leroy, Kenton, Ohio. Lock hinge for closures. 2,467,601, Apr. 19.
- Shirley, David A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2,2-bis-(4-methylthiophenyl)-1,1,1-trichloroethane. 2,472,269, June 7.
- Shirley, David A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing 2,2-bis-(4-methoxyphenyl)-1,1,1-trichloroethane. 2,477,665, Aug. 2.
- Shirley, David A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing 2,2-bis-(4-methoxyphenyl)-1,1,1-trichloroethane. 2,484,056, Oct. 11.
- Shirley, David A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing di(alkoxyphenyl)haloethane. 2,484,057, Oct. 11.
- Shirley, John R.: *See*—
 Ferris, Ralph E., and Shirley.
- Shive, Scott L., Bloomfield, N. J., assignor to The United States of America, as represented by the Secretary of War. Measuring resistance at high voltage. 2,466,746, Apr. 12.
- Shively, James F., Sr., Belvidere, N. J., assignor to Hercules Powder Company, Wilmington, Del. Extrusion die. 2,491,588, Dec. 20.
- Shively, John J., New York, N. Y. Control device for turntables. 2,479,975, Aug. 23.
- Shlafrock, Max, assignee: *See*—
 Shuffin, Frank H.
- Shlivek, Max, assignee: *See*—
 Kupka, John J., and Shlivek.
- Shivers, Paul F., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Leveling support. 2,492,244, Dec. 27.
- Shmidt, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Producing maleic acid by oxidation of cyclohexane. 2,474,334, June 28.
- Shock, Amzy O., Grosse Pointe, Mich. Foot exerciser. 2,476,921, July 19.
- Shocket, William A., Brooklyn, N. Y. Stapling device. 2,486,500, Nov. 1.
- Shoemaker, Bernard H., Hammond, and C. E. Adams, Highland, Ind., and W. A. Proell, assignors to Standard Oil Company, Chicago, Ill. Mercapto alcohol esters. 2,460,436, Feb. 1.
- Shoemaker, Clyde A.: *See*—
 Carrigan, Tracy, Holmes, and Shoemaker.
- Shoemaker, J. H., assignee: *See*—
 Webster, Hugh G.
- Shoemaker, James M., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Explosive-release mechanism. 2,489,984, Nov. 29.
- Shoemaker, Louis H., Santa Monica, Calif.; Security-First National Bank of Los Angeles, executor of said L. H. Shoemaker, deceased. Vertical lift bridge. 2,482,562, Sept. 20.

- Shoemaker, Malcolm G., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerant circulating system with multistage compressor. 2,477,093, July 26.
- Shoemaker, Malcolm G., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator having moisture control means. 2,478,017, Aug. 2.
- Shoemaker, Malcolm G., Abington, and R. M. Hall, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerant circulating system. 2,489,680, Nov. 29.
- Shoemaker, Robert M.: *See*—
Baylor, Howard O., and Shoemaker.
- Shoenberg, Abraham J., assignor to Empire Furniture Manufacturing Company, Clinton, Mass. Table. 2,471,245, May 24.
- Shohan, Jacob B., West Orange, N. J., assignor to American Home Products Corporation, New York, N. Y. Production of totaquine. 2,462,782, Feb. 22.
- Shokal, Edward C.: *See*—
Morris, Rupert C., and Shokal.
Morris, Rupert C., Shokal, and Van Winkle.
Morris, Rupert C., Van Winkle, and Shokal.
- Shokal, Edward C., Oakland, and L. N. Whitehill, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Allyl glycidyl mixed diether of bis(4-hydroxyphenyl)-2,2-propane and polymers thereof. 2,464,753, Mar. 15.
- Shokal, Edward C., Oakland, and L. N. Whitehill, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Insecticidal and fungicidal composition. 2,469,317, May 3.
- Shokal, Edward C., Oakland, and F. A. Bent, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of allyl esters. 2,475,296, July 5.
- Shokal, Edward C., Oakland, and F. A. Bent, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic polymerization of allyl esters. 2,475,297, July 5.
- Shokal, Edward C., Oakland, L. N. Whitehill and C. V. Wittenwyler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Glycidyl allyl phthalate and related mixed esters together with polymers thereof. 2,476,922, July 19.
- Shokal, Edward C., Oakland, and P. A. Devlin, assignors to Shell Development Company, San Francisco, Calif. Polymers of the condensation product of formaldehyde with unsaturated esters of ketocarboxylic acids. 2,488,883, Nov. 22.
- Shonka, Francis R., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation measuring device. 2,465,938, Mar. 29.
- Shonka, Francis R., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber circuit. 2,479,271, Aug. 16.
- Shonnard, John R., assignor to Times Facsimile Corporation, New York, N. Y. Signal generator or modulator. 2,459,293, Jan. 18.
- Shonnard, John R., assignor to Times Facsimile Corporation, New York, N. Y. Oscillator. 2,478,330, Aug. 9.
- Shonnard, John R., and G. W. Kaye, New York, N. Y., assignors to Times Facsimile Corporation. Facsimile synchronizing control. 2,464,618, Mar. 15.
- Shoobert, George W.: *See*—
Carington, Charles M., and Shoobert.
Carington, Charles M., Shoobert, and Pickett.
- Shook, David W., Dayton Township, Butler County, Iowa. Trailer hitch. 2,475,761, July 12.
- Shook, Florian J., Akron, J. W. White, Wadsworth, and E. E. Mallory, Cuyahoga Falls, assignors to National Rubber Machinery Company, Akron, Ohio. Underply turnup and overply turndown device. 2,488,340, Nov. 15.
- Shook, Jacob W., assignor to The Titan Metal Manufacturing Company, Bellefonte, Pa. Shower head. 2,475,919, July 12.
- Shook, John E., assignor to Mercer Tube and Manufacturing Company, Sharon, Pa. Balanced multiple ram accumulator and intensifier. 2,479,422, Aug. 16.
- Shore, Benjamin, Vancouver, British Columbia, Canada. Support for hemorrhoids. 2,468,348, Apr. 26.
- Shore, Morris M., New York, N. Y. Telephone Index. 2,488,516, Nov. 15.
- Shore, Richard B., Waterloo, Iowa, assignor to Deere Manufacturing Co. Pipe joint. 2,482,944, Sept. 27.
- Sherrock, Christopher, Preston, England. Sliding vane rotary compressor. 2,470,656, May 17.
- Short, Allan M., Kirkwood, Mo., assignor to the United States of America as represented by the Secretary of the Interior. Dehydrating alumina in the production of aluminum. 2,464,267, Mar. 15.
- Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,475,994, July 12.
- Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,475,995, July 12.
- Short, Brooks H., Anderson, and A. G. Tynan, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition system. 2,463,123, Mar. 1.
- Short, Brooks H., and H. L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition system. 2,474,550, June 28.
- Short, Frank, Burke, Va., assignor of one-half to L. V. Lucia, West Hartford, Conn. Circuit breaker. 2,472,233, June 7.
- Short, Frank, Canton Center, Conn. Antimine bomb. 2,476,117, July 12.
- Short, Frank, Haddam Neck, Conn. Aerochemical device. 2,470,793, May 24.
- Short, George A., assignor to The Hotstream Heater Company, Cleveland, Ohio. Thermostatic safety valve control mechanism for fuel burners. 2,476,118, July 12.
- Short, James M., assignee: *See*—
Deubler, Louis H., Jr.
- Short, Henry N., and F. Olmsted, Montreal, Quebec, Canada, assignors to Shell Development Company, San Francisco, Calif. Production of alkylated aromatic compounds. 2,465,610, Mar. 29.
- Short, Herbert M.: *See*—
Heilmann, William B., and Short.
- Short, Melville K., New York, N. Y. Combination arm band and rifle sling. 2,481,884, Sept. 13.
- Short, Thomas T.: *See*—
Falk, Charles J., Fairley, and Short.
- Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Phase converter. 2,467,863, Apr. 19.
- Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Electric vibratory converter circuit. 2,476,068, July 12.
- Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Vibratory converter switch. 2,487,604, Nov. 8.
- Short, Wallace F.: *See*—
Oxley, Peter, Robson, Koebner, and Short.
Stevenson, Herbert A., and Short.
- Short, Wallace F., and G. I. Hobday, assignors to Boots Pure Drug Company Limited, Nottingham, England. Manufacture of dieneol. 2,464,203, Mar. 15.
- Short, Wallace F., and P. Oxley, assignors to Boots Pure Drug Company Limited, Nottingham, England. Production of 2-amino pyrimidines and 2-amino glyoxalines. 2,473,111, June 14.
- Short, Wallace F., G. I. Hobday, and P. Oxley, assignors to Boots Pure Drug Company Limited, Nottingham, England. Preparation of sulfonic acid salts of diguanides. 2,473,112, June 14.
- Short, William F.: *See*—
Page, William, and Short.
- Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Successively cutting and differentially hardening a toothed member. 2,464,351, Mar. 15.
- Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Surface hardening of ferrous metal articles. 2,483,477, Oct. 4.
- Shortland, Arthur, assignor to Mellor Bromley & Co. Limited, Leicester, England. Timing or patterning chain. 2,488,144, Nov. 15.
- Shortt, Charles R., Stamford Township, Niagara Falls, Ontario, Canada. Magnetic toy train. 2,461,088, Feb. 8.
- Shott, Percival, Great Bridge, Tipton, assignor to Tan Sad Limited of Great Bridge, Tipton, England. Perambulator body and its manufacture. 2,476,160, July 12.
- Shoupp, William E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,467,538, Apr. 19.
- Showalter, Albert E.: *See*—
Powell, Edwin L., and Showalter.
- Showers, Lewis M., Lansdowne, Pa. Railway car retarding mechanism. 2,486,332, Oct. 25.
- Showers, Ralph M.: *See*—
Chambers, Carl C., and Showers.
- Shprentz, Isidore, New York, N. Y. Flint dispenser. 2,474,639, June 28.
- Shrader, Charles D., Alameda, assignor, by mesne assignments, to R. Ronne, Sacramento, Calif. Variable-speed hand tool. 2,477,528, July 26.
- Shrader, Everett E., Ravenna, Nebr. Corn harvesting mechanism. 2,490,715, Dec. 6.
- Shrader, Terry M., Indianapolis, Ind., assignor to Radio Corporation of America. Telephonograph. 2,463,001, Mar. 1.
- Shreve, Clifford B., Buchanan, Mich. Screw holder for screw drivers. 2,484,655, Oct. 11.
- Shreve, Clifford B., assignor to Tyler Fixture Corporation, Niles, Mich. Sliding and swinging hooked end fastener. 2,486,686, Nov. 1.
- Shropshire, Ralph F., Cambridge, assignor to Submarine Signal Company, Boston, Mass. Extracting oils from fish material. 2,473,453, June 14.
- Shropshire, Ralph F., Cambridge, Mass., assignor to Raytheon Manufacturing Company. Accelerating the growth of microorganisms. 2,492,128, Dec. 20.
- Shropshire, Ralph F., Woods Hole, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Underwater bottom hardness tester. 2,477,094, July 26.

- Shropshire, William W., Chicago, Ill., assignor to International Smelting and Refining Company. Apparatus for refining zinciferous lead. 2,462,783, Feb. 22.
- Shuart, Arthur C., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator latch. 2,459,190, Jan. 18.
- Shuff, Horace M., Tampa, Fla. Bending machine abutment guide. 2,460,951, Feb. 8.
- Shuff, Hugh: *See—*
Emery, Walter B., and Shuff.
- Shudin, Frank H., Miami Shores, assignor of one-third to M. Shlafrock and one-third to L. Touby, Miami, Fla. Collapsible table or the like. 2,472,962, June 14.
- Shulda, Melvin, Cuba, Kans. Splice for crankshaft bearing. 2,471,982, May 31.
- Shuler, Carroll K.: *See—*
Dresser, Oscar C., Norgorden, Shanahan, and Shuler.
- Shuler, Sanford A., Jr., Schenectady, N. Y., assignor to General Electric Company. Centrifugal compressor. 2,469,214, May 3.
- Shullaw, Sherman E., Peoria, Ill. Clutch lever attachment. 2,460,911, Feb. 8.
- Shulman, Carl I., Princeton, N. J., assignor to Radio Corporation of America. Single cavity multisegment magnetron. 2,490,008, Nov. 29.
- Shulman, Louis, New York, N. Y. Brassière. 2,472,764, June 7.
- Shulman, Louis, New York, N. Y. Strapless brassière. 2,472,765, June 7.
- Shumaker, Lawrence E., and H. G. Davis, assignors to Eversman Mfg. Co., Denver, Colo. Land leveling machine. 2,459,591, Jan. 18.
- Shuman, Louis, Los Angeles, Calif. Soap container. 2,490,657, Dec. 6.
- Shuman, Royal L., Newark, N. J., assignor to Celanese Corporation of America. Trialkyl phenyl phosphates from purified petroleum alkyl phenols. 2,473,612, June 21.
- Shumann, Harold F., Pittsburgh, Pa. Apparatus for making bags. 2,465,044, Mar. 22.
- Shumard, Charles C., Moorestown, N. J., assignor to Radio Corporation of America. Apparatus for stepping up direct-current voltage. 2,477,095, July 26.
- Shumsky, Solomon, Brooklyn, N. Y. Combination sofa and bed. 2,485,219, Oct. 18.
- Shumway, Newell S., Phoenix, Ariz. Concrete mold. 2,473,824, June 21.
- Shur, John W., assignor to Shur-Antenna-Mount Inc., Sea Cliff, N. Y. Antenna construction. 2,462,229, Feb. 22.
- Shur-Antenna-Mount Inc., assignee: *See—*
Shur, John W.
- Shure Brothers, Incorporated, assignee: *See—*
Bauer, Benjamin B.
- Shurley, Robert G., Money, Miss. Bird call. 2,460,716, Feb. 1.
- Shuron Optical Company, Inc., assignee: *See—*
Rohrbach, John J.
- Shurtliff, George G., Panama City, Fla. Ratchet drive for tools. 2,474,377, June 28.
- Shurts, Englebert, Waukesha, Wis. Milker control. 2,479,977, Aug. 23.
- Shurts, Wilbur F., Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis. Hydraulic coupling, friction clutch, and friction brake. 2,466,616, Apr. 5.
- Shuttleworth, Robert A., Buffalo, N. Y. Adjusting device. 2,479,591, Aug. 23.
- Shwyder, Benjamin, Detroit, Mich., assignor to Shwyder Brothers, Inc., Denver, Colo. Garment hanger. 2,489,164, Nov. 22.
- Shwyder Brothers, Inc., assignee: *See—*
Shwyder, Benjamin.
- Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preservation of butadiene polymers with acetals of hydroxy aldehydes. 2,468,309, Apr. 26.
- Sichak, William, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by Secretary of War. Antenna. 2,473,454, June 14.
- Sichman, John J., Jr., assignor to Mercury Manufacturing Company, Chicago, Ill. Axle construction. 2,463,323, Mar. 1.
- Siciliano, Samuel F., assignor to George C. Moore Company, Westerly, R. I. Weft detector. 2,470,527, May 17.
- Sickles, F. W., Company, The, assignee: *See—*
Cohen, Monte, and Webber.
Hadley, Allan M.
- Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Standard cell construction. 2,484,593, Oct. 11.
- Sidebotham, Melvin H., Newton, Mass. Paper can making machine. 2,479,050, Aug. 16.
- Sidell, Philip A., assignor to Outboard, Marine & Manufacturing Company, Galesburg, Ill. Refrigeration system. 2,472,729, June 7.
- Sidell, Philip A., Rock Island, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Fume exhaust system. 2,467,505, Apr. 19.
- Sidney, Harry A., Milwaukee, Wis. Propeller guard for outboard motors. 2,470,874, May 24.
- Sidwell, Webster S., assignor to Evertite Roof Corporation, Los Angeles, Calif. Shingle dipping machine. 2,459,294, Jan. 18.
- Sieb, Henry, Hammond, Ind. Machine for cutting index notches in book edges. 2,489,825, Nov. 29.
- Siebel, Victor H., New York, N. Y. Method and apparatus for minimizing pain caused by drilling teeth. 2,466,054, Apr. 5.
- Siebens, Norman H., East Orange, assignor to C-O-Two Fire Equipment Co., Newark, N. J. Discharge valve for fire extinguishers. 2,464,268, Mar. 15.
- Siebigteroth, Maximilian, Detroit, assignor to C. B. Kemp, Grosse Pointe, Mich. Ice tray. 2,466,747, Apr. 12.
- Siebigteroth, Maximilian, Detroit, assignor to C. B. Kemp, Grosse Pointe, Mich. Ice tray. 2,473,178, June 14.
- Siebring, Owen C., George, Iowa. Manure loader. 2,469,007, May 3.
- Siefken, Carl F., Columbus, Nebr. Corn picker having double discharge husk-removing blower. 2,492,897, Dec. 27.
- Siefert, William A., assignee: *See—*
Forbes, Allan D., and Siefert.
- Siegel, David T., assignee: *See—*
Chanowitz, Harry.
- Siegel, Harry, New York, N. Y., assignor to All-Best Specialties Corp. Nursing bottle retainer. 2,485,461, Oct. 18.
- Siegel, Sally A., Chicago, Ill. Figure-free maternity suspender. 2,469,793, May 10.
- Siegel, Samuel, assignor of one-half to B. Schewel and B. R. Schewel, Lynchburg, Va. Sprinkler stopper. 2,466,126, Apr. 5.
- Siegel, Sigmund, Brooklyn, N. Y. Chest protector. 2,468,841, May 3.
- Siegert, Walter, Westchester, assignor to Howard Foundry Company, Chicago, Ill. Pneumatic sander. 2,477,427, July 26.
- Siegmán, Nicholas, and I. Johnson, Cincinnati, Ohio, said Johnson assignor to said Siegmán. Bag spreader and holder. 2,492,448, Dec. 27.
- Siegrist, Charles R., Huron, S. Dak. Holding device for poultry and the like. 2,485,929, Oct. 25.
- Siehrs, Arthur E.: *See—*
Hess, Mattie P., and Siehrs.
- Siekermann, Harry W., St. Louis, assignor to R. H. Paschen, Jr., Webster Groves, Mo. Power-controlled photographic enlarger. 2,492,898, Dec. 27.
- Siekmann, Harold J.: *See—*
Groene, William F., Siekmann, and Meyer.
Meyer, Walter R., and Siekmann.
- Siekmann, Harold J., and R. M. Bacon, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio. Headstock transmission control for lathes. 2,464,619, Mar. 15.
- Siekmann, Harold J., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio. Automatic lathe feed mechanism. 2,489,203, Nov. 22.
- Siemens Brothers & Co. Limited, assignee: *See—*
Bryan, Ernest A.
- Siems, Otto R., Yoakum, Tex. Rat and mousetrap. 2,485,416, Oct. 18.
- Sieradzki, Mojzesz, Tel Aviv, Israel, now by judicial change of name M. Shimrat. Adding device. 2,462,338, Feb. 22.
- Sier-Bath Gear & Pump Co., Inc., assignee: *See—*
Hodgkinson, William E.
- Sierer, Theodore E., Jr., Dayton, Ohio. Rotary signal pick-off control means. 2,466,055, Apr. 5.
- Siersma, Franklin T.: *See—*
Scales, Baxter B., and Siersma.
- Siesel, Josephine M., executrix: *See—*
Siesel, William M.
- Siesel, William M., Morrisville, Pa.; J. M. Seisel, executrix of said W. M. Siesel, deceased. Yielding drive. 2,461,447, Feb. 8.
- Siever, Paul, assignor to Tire-Larm Co., Minneapolis, Minn. Tire deflation indicator. 2,481,166, Sept. 6.
- Siever, Paul, Minneapolis, Minn. Throttle control device. 2,481,167, Sept. 6.
- Sievers, Carl F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Plug fastener assembly for liquefied gas cylinders. 2,479,785, Aug. 23.
- Siewert, Edwin C., Wausau, assignor to Marathon Corporation, Rothschild, Wis. Spoon package. 2,469,343, May 3.
- Sifferd, Robert H., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Preparation of amino acids. 2,460,040, Jan. 25.
- Siftar, Alexander, Vienna, Austria. Device for cutting channels in stone or masonry. 2,487,277, Nov. 8.
- Siftproof Carton Associates, assignee: *See—*
Dalsemer, Rhodena C.
- Sightmaster Corp., assignee: *See—*
Kaplan, Joseph and Michael L., and Williams.
- Sigler, Howard R.: *See—*
Laystrom, Carl A., and Sigler.
- Sigma Instrument Company, The, Limited, assignee: *See—*
Boosey, Frederick R.
- Sigmund Corporation, assignee: *See—*
Sigmund, Frank J., and Hlavin.
- Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation. Protecting means for electrical windings. 2,483,066, Sept. 27.

- Sigmurdi, Arthur R., Cedar Rapids, Iowa. Bait retainer for fishhooks. 2,482,721, Sept. 20.
- Signaio, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose oxazolidone ethers and making same. 2,459,547, Jan. 18.
- Signaio, Frank K., Kenmore, N. Y., assignor by mesne assignments to the United States of America as represented by the Secretary of War. 2,3-bis-(benzamidomethylthio)-propanol. 2,467,602, Apr. 19.
- Signal Engineering & Manufacturing Company, assignee: *See*—
High, John M., Jr.
- Signal Oil and Gas Company, assignee: *See*—
Moon, James.
- Signode Steel Strapping Company, assignee: *See*—
Crosby, George A., and Ericsson.
Moon, John M.
- Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Cutting attachment for sewing machines. 2,472,862, June 14.
- Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Multiple needle stitching mechanism. 2,491,457, Dec. 13.
- Sikka, Basheshar N., G. Singh, and L. C. Verma, Delhi, British India. Apparatus for molding plastic sheet material. 2,484,656, Oct. 11.
- Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor blade. 2,469,480, May 10.
- Silbert, Sidney, New York, and H. Folb, Brooklyn, N. Y. Brassières. 2,474,699, June 28.
- Silcock, Howard W., Aldwych, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric communication cable. 2,468,124, Apr. 26.
- Silcox, William D., Lewistown, Pa., assignor to American Viscose Corporation, Wilmington, Del. Attrition mill. 2,477,096, July 26.
- Silent Hoist and Crane Co. Inc., assignee: *See*—
Rockstrom, Leonard, and Briglia.
- Siler, Thomas B., Atlanta, Ga. Football card game. 2,460,541, Feb. 1.
- Silex Company, The, assignee: *See*—
Becher, Wesley R.
Reichold, Ludwig.
- Silfen, Alfred, assignor to D. K. Silfen, Berkeley, Ill. Fowl killing device. 2,466,489, Apr. 5.
- Silfen, Dorothy K., assignee: *See*—
Silfen, Alfred.
- Silk, John A.: *See*—
Bergel, Franz, Cohen, Haworth, Hughes, and Silk.
- Silliman, Horace F.: *See*—
Christansen, Arthur L., and Silliman.
- Silliman, Robert M.: *See*—
Caraway, John B., Jr., and Silliman.
- Silliman, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Antenna. 2,479,272, Aug. 16.
- Silliman, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Connector. 2,485,930, Oct. 25.
- Sills, Joseph M., U. S. Army, Cook County, Ill. Exhaust purifying system and method. 2,488,563, Nov. 22.
- Silman, Harry I., Glen Cove, N. Y. Two-way cuff. 2,478,669, Aug. 9.
- Silmo Chemical Corporation, assignee: *See*—
Korner, John.
- Silva, Edmund, Dorchester, Mass. Insertible tool for smoothing garment-pockets. 2,489,052, Nov. 22.
- Silva, Joseph P., Bayonne, N. J. Carriage for trucks. 2,484,754, Oct. 11.
- Silva, Zelta M., assignor to Tichenor & Ferguson, Los Angeles, Calif. Brassière construction. 2,457,928, Jan. 4.
- Silvain, André, Roubaix, France. Elastic fabric. 2,484,125, Oct. 11.
- Silver, Frank F., assignor to Wingfoot Corporation, Akron, Ohio. Splicing butyl rubber. 2,469,849, May 10.
- Silver, Harold F., Denver, Colo. Continuous diffusion battery and treatment. 2,468,720, Apr. 26.
- Silver, Jules, now by judicial change of name: *See*—
Silversteen, Julius.
- Silver-King Corp., assignee: *See*—
Burt, Harold F., and Theis.
- Silver, Martin, Bronx, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency scanning arrangement. 2,468,126, Apr. 26.
- Silver, Martin, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transformer. 2,485,666, Oct. 25.
- Silver, Stan, assignor to Master Technique Board Co., New York, N. Y. Canvas panel for artists. 2,470,416, May 17.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Trash clearer for plows having a rolling colter. 2,486,442, Nov. 1.
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Tool clamp. 2,490,237, Dec. 6.
- Silver, Walter T., Belmar, N. J., assignor to the United States of America as represented by the Secretary of War. Standing wave indicator. 2,468,125, Apr. 26.
- Silver, Walter H., and J. I. Cantral, assignors to Deere & Company, Moline, Ill. Tractor mounted plow and gauge wheel. 2,469,996, May 10.
- Silvera, Americo, assignor to Carrier Corporation, Syracuse, N. Y. Food freezing tunnel. 2,474,069, June 21.
- Silverblatt, Francis L., assignee: *See*—
Bates, Lawrence G.
- Silverman, Abe, Chicago, Ill. Surgical breast pad. 2,482,297, Sept. 20.
- Silverman, Abraham, Pittsburgh, Pa. Plumber's sewer snake apparatus. 2,470,225, May 17.
- Silverman, Harry: *See*—
Pampinella, Joseph, and Silverman.
- Silverman, Herman, Ottumwa, Iowa. Rail fastener for wooden beds. 2,483,067, Sept. 27.
- Silverman, Isador, Cleveland, Ohio. Furniture construction. 2,479,086, Aug. 16.
- Silverman, Leslie, Dover, Mass., and J. F. Ege, Jr., Baltimore, Md. Determination of chromium compounds in gaseous atmospheres. 2,483,108, Sept. 27.
- Silverman, Leslie, Westwood, Mass. Flowmeter. 2,461,351, Feb. 8.
- Silverman, Max, Forest Hills, N. Y. Sewing-machine thread cutter. 2,476,161, July 12.
- Silvermaster, Benjamin, Tacoma, Wash. Recording telephonic messages. 2,476,327, July 19.
- Silvornal, Lloyd H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Microbiological media. 2,486,216, Oct. 25.
- Silvers, Harris D.: *See*—
Benson, Ralph L., and Silvers.
- Silverstein, Julius, Philadelphia, Pa., now by judicial change of name Jules Silver. Garment. 2,465,286, Mar. 22.
- Silverstein, Rubin D., New York, N. Y. Dental instrument. 2,479,645, Aug. 23.
- Silvertsen, Jens, Philadelphia, Pa. Propulsion system. 2,491,693, Dec. 20.
- Sills, Earl H., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 2,469,899, May 10.
- Sim, James: *See*—
Main-Smith, John D., Dodd, Sim, Lyon, Hillier, and Earwicker.
- Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Slack adjuster. 2,468,707, Apr. 26.
- Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake beam and safety support. 2,475,158, July 5.
- Simanton, William A., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Sesame extract synergized insecticides. 2,463,324, Mar. 1.
- Simart, Marshall, Los Angeles, Calif. Hydraulic jack. 2,490,284, Dec. 6.
- Simcox, Burton B., Knoxville, Tenn. Ventilator. 2,460,604, Feb. 1.
- Simer, Jerome, and E. E. Cook, assignors to Paddle Pumps, Inc., Minneapolis, Minn. Rotary pump with elastic rotor sealing rib. 2,460,952, Feb. 8.
- Simer, Samuel B., Cleveland, Ohio. Locating device. 2,490,483, Dec. 6.
- Simison, Allen L., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Producing fibers. 2,482,071, Sept. 13.
- Simison, Allen L., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Parallel glass fiber unit. 2,484,003, Oct. 4.
- Simkins, Leon L., assignor to The Wigginton Company, Kalamazoo, Mich. Short circuit detector. 2,469,703, May 10.
- Simkins, Leon L., assignor to The Wigginton Company, Kalamazoo, Mich. Voltage tester. 2,479,186, Aug. 16.
- Simmet, Eugene W., assignor of forty per cent to D. J. O'Neil, Glendive, Mont. Adjustable clothes hanger. 2,491,836, Dec. 20.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Photoelectric exposure time and paper selector for photographic enlargers having slide rule type computers and stepwedges. 2,462,339, Feb. 22.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Cathode-ray tube device to measure density differences of photographic transparencies. 2,467,057, Apr. 12.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Manual fine focusing means for auto-focus enlargers. 2,469,009, May 3.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Illuminating system and control device for photographic enlargers. 2,470,584, May 17.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Camera view and range finder. 2,474,379, June 28.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Device for modifying electrical signals. 2,474,380, June 28.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Contrast control in photographic enlargers. 2,480,423, Aug. 30.

- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Device for determining optimum conditions for photographic printing processes using two photocells receiving light from two moving beams. 2,480,424, Aug. 30.
- Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Contrast control device for photographic enlargers. 2,480,425, Aug. 30.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Print control device for photographic enlargers. 2,462,340, Feb. 22.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Roll film camera with detachable magazine. 2,469,008, May 3.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Power-driven flash synchronizer for photographic shutters. 2,474,378, June 28.
- Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Print control instrument for photographic enlargers. 2,480,422, Aug. 30.
- Simmon Brothers, Inc., assignee: *See—*
 Simmon, Alfred.
 Simmon, Alfred, and Weisglass.
 Weisglass, Louis L.
- Simmonds, Arlie J.: *See—*
 Simmonds, Wayne W.
- Simmonds Development Corporation Limited, assignee: *See—*
 Smith, Stanley J.
- Simmonds, Forrest A.: *See—*
 Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
- Simmonds, John J.: *See—*
 Simmonds, Wayne W.
- Simmonds, Wayne W., Lawrence, Kans., assignor to J. H. Lucas, Kansas City, Mo., trustee for W. W. A. J., and J. J. Simmonds. Post driver. 2,476,390, July 19.
- Simmons, Charles J.: *See—*
 Lade, Frederick L., and Simmons.
- Simmons Company, assignee: *See—*
 Cochran, Raymond J.
 Woller, Edward E.
- Simmons Company, The, assignee: *See—*
 Travis, Don C.
- Simmons, Elta, New York, N. Y., assignor to The Pyramid Rubber Company, Ravenna, Ohio. Bottle cap or closure. 2,486,364, Oct. 25.
- Simmons, John: *See—*
 Hohwart, George.
- Simmons, Lance L., assignor to American Blower Corporation, Detroit, Mich. Heat exchanger or cooling tower. 2,485,849, Oct. 25.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Mining machine. Re. 23,078, Jan. 11.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Setscrew. 2,462,910, Mar. 1.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,469,523, May 10.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,469,524, May 10.
- Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Rotary guide. 2,477,097, July 26.
- Simmons, Lovel R., Jackson, Miss. Weight transferring vehicle coupling or hitch structure. 2,459,098, Jan. 11.
- Simmons, Milton, Detroit, Mich. Attachable handle for vessels. 2,484,531, Oct. 11.
- Simmons, Ruth W., assignee: *See—*
 Simmons, Walter H., Jr.
- Simmons, Walter H., Jr., assignor to R. W. Simmons, Jackson, Miss. Infant's foldable play pen. 2,479,273, Aug. 16.
- Simmons, William R., Richmond, Va. Lock hinge. 2,488,688, Nov. 22.
- Simmons, William T., Amarillo, Tex. Thread triangles. 2,466,490, Apr. 5.
- Simms, Charles H.: *See—*
 Breadner, Robert L., Jenkins, and Simms.
 Breadner, Robert L., Simms, and Harris.
- Simon, Eli: *See—*
 Hamilton, William F., and George, and Simon.
- Simon, Eli, Los Angeles, and M. F. George, Jr., Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Cementing methyl methacrylate plastics. 2,458,032, Jan. 4.
- Simon, Frank J., Hannibal, Mo. Sun shield. 2,464,352, Mar. 15.
- Simon, Justin, Brooklyn, and R. S. Temko, New York, N. Y. Razor. 2,492,328, Dec. 27.
- Simon, Harold M., assignor to Utica Radiator Corporation, Utica, N. Y. Grate fastener. 2,471,659, May 31.
- Simonds, Frank C., Moylan, Pa. Apparatus for cooling air by the evaporation of liquids. 2,470,657, May 17.
- Simons, Harry D., Kearney, N. J. Testing camera synchronizers. 2,461,848, Feb. 15.
- Simons, Harry M., assignor to G. B. Ellis, Langhorne, Pa. Timing circuit. 2,479,274, Aug. 16.
- Simons, Harry M., assignor to G. B. Ellis, Langhorne, Pa. Indicator circuit for a balancing network. 2,481,954, Sept. 13.
- Simons, Harry M., assignor to G. B. Ellis, Langhorne, Pa. Capacity responsive system. 2,490,238, Dec. 6.
- Simons, Joseph H., State College, Pa., assignor to Phillips Petroleum Company. Preparation of carbon. 2,458,107, Jan. 4.
- Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluoropiperidine compounds. 2,490,098, Dec. 6.
- Simons, Joseph H., State College, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocyclohexyl amine compounds. 2,490,099, Dec. 6.
- Simons, John K., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of infusible resins. 2,480,514, Aug. 30.
- Simons, Karl L., assignor of one-half to G. H. Forrest, Somerville, N. J. Hand loom. 2,481,955, Sept. 13.
- Simons, Samuel C., Berkeley, Calif. Kite. 2,484,316, Oct. 11.
- Simons, Theodore R., assignor to Weyenberg Shoe Manufacturing Company, Milwaukee, Wis. Arch supporting shoe. 2,464,159, Mar. 8.
- Simonsen, Charles W., Denver, Colo. Closure for cylindrical filter cases. 2,491,139, Dec. 13.
- Simonson, Norval B., assignor of one-half to O. G. Simonson, Thermopolis, Wyo. Automobile water pump. 2,475,204, July 5.
- Simonson, Oscar G., assignee: *See—*
 Simonson, Norval B.
- Simonson, Simon M.: *See—*
 Iverson, Isedor, and Simonson.
- Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Convertible heating element. 2,487,484, Nov. 8.
- Simpkins, George F., Bridgeton, N. J. Hand guided tractor. 2,477,945, Aug. 2.
- Simpkins, Isaac W., Charlotte, N. C. Wheel mounting in vehicles. 2,474,283, June 28.
- Simples Engineering Company, assignee: *See—*
 Raymond, Thomas E.
- Simplex Time Recorder Co., assignee: *See—*
 Hobby, Harold E.
 Mentor, Eugene L.
 Rockwood, Albert E.
- Simplex Wire & Cable Co., assignee: *See—*
 Freeman, Walter K.
- Simplicity Engineering Co., assignee: *See—*
 Behnke, George W., Westcott, and Sandula.
- Simplicity Manufacturing Company, assignee: *See—*
 Donald, Forrest V.
- Simpson, Charles W., Harlingen, Tex. Propulsion aid for velocipedes. 2,484,472, Oct. 11.
- Simpson, Clarence E., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Operating spring retainer for firearms. 2,476,328, July 19.
- Simpson, Doyle H., Albuquerque, N. Mex. Ventilated metal umbrella. 2,485,118, Oct. 18.
- Simpson Electric Company, assignee: *See—*
 Simpson, Ray.
- Simpson, Eugene H.: *See—*
 Oertle, Lawrence C., and Simpson.
- Simpson, Eugene H., Whitefish Bay, Wis. Scaffold. 2,481,885, Sept. 13.
- Simpson, George G.: *See—*
 Roehm, Robert M., and Simpson.
- Simpson, George L., Coraopolis Heights, assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Gas treating method and apparatus. 2,459,463, Jan. 18.
- Simpson, Herbert A., Ionia, Mich. Air check door closer. 2,478,717, Aug. 9.
- Simpson, Herbert S., assignee: *See—*
 Granath, Axel G.
 McIlvaine, Robert L.
- Simpson, James, Taft, Calif. Apparatus for dehydrating natural gas. 2,477,772, Aug. 2.
- Simpson, James T., deceased, late of Macon, Ga., by M. S. Williams, administratrix, Macon, Ga. Floor scraping and sanding machine. 2,488,834, Nov. 22.
- Simpson, James W., assignor to Mueller Co., Decatur, Ill. Pipe joint. 2,478,508, Aug. 9.
- Simpson, John Cecil, assignor to Cyclo Gear Company Limited, Birmingham, England. Chain and axle adjuster of rear wheels of cycles. 2,475,806, July 12.
- Simpson, John K., Leamington Spa, assignor to Automotive Products Company Limited, Leamington Spa, Warwickshire, England. Balanced fluid motor valve. 2,460,196, Jan. 25.
- Simpson, John M., Brooklyn, N. Y. Graining apparatus. 2,458,108, Jan. 4.
- Simpson, Justin, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Controlling the feeding of metal coil strip to scroll shears or the like. 2,480,781, Aug. 30.
- Simpson, Justin, Elmhurst, assignor to Cameron Can Machinery Company, Chicago, Ill. Can testing pocket. 2,484,317, Oct. 11.
- Simpson, Leonard R., Birmingham, Ala. Wheel balance weight. 2,469,997, May 10.

- Simpson, Ray, River Forest, assignor to Simpson Electric Company, Chicago, Ill. Exposure meter having co-ordinated meter pointer and calculating disk. 2,461,930, Feb. 15.
- Simpson, Robert W., Salem, Ohio. Tobacco pipe. 2,486,333, Oct. 25.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,458,109, Jan. 4.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Contact material regeneration. 2,458,433, Jan. 4.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for regenerating moving bed particle form contact mass materials. 2,458,434, Jan. 4.
- Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for regenerating a moving bed contact material. 2,458,435, Jan. 4.
- Simpson, Thomas P., Woodbury, and C. V. Hornberg, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Multistage regeneration of a moving bed catalyst. 2,457,837, Jan. 4.
- Simpson, Thomas P., and J. W. Payne, Woodbury, N. J., and J. A. Crowley, Jr., New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous catalytic system. 2,471,398, May 24.
- Simpson, Walter M., Evansville, Ind. Reel assembly. 2,470,658, May 17.
- Sims, Albert L., assignee: *See*—Stevenson, Edward E.
- Sims, Clark D., Elmhurst, Ill., assignor to Lily-Tulip Cup Corporation. Mounting bracket assembly for cup dispensers. 2,470,528, May 17.
- Sims, Clark D., Elmhurst, Ill., assignor to Lily-Tulip Cup Corporation. Paper cup dispenser. 2,487,736, Nov. 8.
- Sims, Clarence E., S. L. Case, and C. G. McCabe, Columbus, assignors, by mesne assignments, to The Ferro Engineering Company, Cleveland, Ohio. Determining the solidification time of a casting. 2,464,948, Mar. 22.
- Sims, Percy D., Lovell, Wyo. Folding camp stove. 2,485,667, Oct. 25.
- Sims, Joseph A., Houston, Tex. Connection for structural members. 2,463,124, Mar. 1.
- Sims, Robert L.: *See*—Marson, Frank P., and Sims.
- Simunich, Otto L.: *See*—Sullivan, Gerald P., and Simunich.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,468,947, May 3.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Securing means for demountable wheels. 2,482,378, Sept. 20.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Tire and rim construction. 2,484,532, Oct. 11.
- Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,484,533, Oct. 11.
- Sinclair, Edward L., Haverford Township, Delaware County, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for gas-solid contact operations. 2,460,151, Jan. 25.
- Sinclair, Edward L., Philadelphia, and E. Utterback, Upper Darby, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting reactions in the presence of a contact mass. 2,468,468, Apr. 26.
- Sinclair, Harold, London, England. Power-transmission system. 2,475,679, July 12.
- Sinclair, John A., assignor of one-half to G. J. Borodack, Bridgeport, Conn. Simulated baseball game. 2,478,429, Aug. 9.
- Sinclair, Orie L., Wilmington, Calif. Bottle support. 2,459,246, Jan. 18.
- Sinclair Refining Company, assignee: *See*—Cole, Eldon B.
Fisher, Frank R.
Gullette, Willis S.
Hall, Ralph E., and Wilcox.
Kimball, Thomas B.
Kleinholz, Milton P.
Kuhn, George F.
May, Robert L.
Mostek, Jerome L.
Olson, Leonard E., and Wertzler.
Polzer, Harry L.
Polzer, Harry L., and Watson.
Shand, Edwin W.
Splittgerber, George H.
Teter, John W.
Teter, John W., and Stookey.
Watkins, Franklin M.
Watson, Kenneth M.
Wayo, Stephen J.
Wilcox, Marion J., and Hall.
- Sindelar, Joseph, Dover, Idaho. Copyholder. 2,476,775, July 19.
- Sinden, Alfred D., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyor. 2,465,287, Mar. 22.
- Sinden, Alfred D., Aurora, Ill. Process and apparatus for classifying. 2,466,491, Apr. 5.
- Sinden, Alfred D., Aurora, Ill., assignor to Stephens Adamson Mfg. Co. Car loading apparatus. 2,467,634, Apr. 19.
- Sindt, Wilbert G.: *See*—Gipple, Donald C., and Sindt.
- Singer, John L., St. Petersburg, Fla.; R. B. Singer, administratrix of said J. L. Singer, deceased. Mouth-protective bit. 2,483,157, Sept. 27.
- Singer, Kurt: *See*—Rettinger, Michael, and Singer.
- Singer, Kurt, North Hollywood, Calif., assignor to Radio Corporation of America. Mounting rack. 2,486,764, Nov. 1.
- Singer Manufacturing Company, The, assignee: *See*—Chason, Daniel H.
Clayton, Andrew B.
Enos, John P.
Fuge, Harry B.
Graesser, David A.
Graham, Joseph P., and Church.
Graham, Joseph P., and Lowry.
Happe, Reynold.
Happe, Reynold, and Turner.
Heggie, James.
Kessler, Charles A.
Momborg, James W.
Momborg, James W., and Fuge.
Myers, Walter.
Nissen, Henry C.
Parry, Frank.
Parry, Frank, and Pinkvoss.
Sailer, Rudolph J.
Smith, Darwin G., and Faulkner.
Spaine, Edward P.
Trickey, Philip H.
Turner, Edgar P.
Van Ness, William C.
Webb, Irving F.
Wood, Alfred R.
Zeir, Frederick F.
- Singer, Marshall R., Palisades Park, N. J., assignor to Allied Chemical & Dye Corporation. Manufacture of phosphoric acid. 2,492,714, Dec. 27.
- Singer, Philip A., and H. J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc. Corn germ removal. 2,459,548, Jan. 18.
- Singer, Rose B., administratrix: *See*—Singer, John L.
- Singer, Samuel, San Francisco, Calif. Electric broiler. 2,465,611, Mar. 29.
- Singh, Gurbux: *See*—Sikka, Bashesar N., Singh, and Verman.
- Singh, William K., South Ruislip, England. Electrical equipment. 2,491,221, Dec. 13.
- Singher, Heron O., Redhook, and H. Styles, New York, N. Y., assignors to Ortho Pharmaceutical Corporation. Preparation of hyaluronidase. 2,488,564, Nov. 22.
- Singher, Heron O., Redhook, and H. Styles, New York, N. Y., assignors to Ortho Pharmaceutical Corporation. Preparation of hyaluronidase. 2,488,565, Nov. 22.
- Singleton, Fred G., and P. W. Jenkins, assignors to H. H. Robertson Company, Pittsburgh, Pa. Protected metal article. 2,472,963, June 14.
- Singleton, Henry M., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Antitack agent. 2,478,718, Aug. 9.
- Singleton, Marshall E., Kenton, Tenn. Stretching or pulling apparatus. 2,484,190, Oct. 11.
- Singleton, William C., New York, N. Y. Washing tray. 2,475,259, July 5.
- Singley, Fred A., Detroit, Mich., assignor to Acme Steel Company, Chicago, Ill. Device for attaching metal baling ribbons to anchorage plates. 2,458,747, Jan. 11.
- Sink & Float Corporation, The, assignee: *See*—Garber, Claude Y., and McKinley.
- Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Capacity type pickup. 2,465,288, Mar. 22.
- Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Frequency modulation reproducing system. 2,481,886, Sept. 13.
- Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Signal translating apparatus and supporting means therefor. 2,488,608, Nov. 22.
- Sinnett, George J.: *See*—Emerson, John H., and Sinnett.
- Sinnig, Otto R.: *See*—Nelson, William L., and Sinnig.
- Sinnott, Nicholas E., Toledo, Ohio, assignor to National Biscuit Company, New York, N. Y. Car loader. 2,485,462, Oct. 18.
- Sinnott, Walter J.: *See*—Duby, John H., and Sinnott.
- Sipe, Vernon O., Conover, N. C. Building wall of angular tile. 2,480,613, Aug. 30.
- Siple, Paul A., United States Army, Arlington, Va. Waterproof fastening device. 2,460,853, Feb. 8.
- Siple, Paul A., Arlington, Va. Fastener operating means. 2,491,524, Dec. 20.
- Sirco A.-G., assignee: *See*—Kohler, Alfred.

- Siris, Raymond L., assignee: *See*—
Rosenblum, Jacob.
- Sisco, William E.: *See*—
Medcalf, Eugene C., Cooper, and Sisco.
- Sisk, Charles B., Mountain Park, N. C. Clothespin. 2,467,864, Apr. 19.
- Sisson, Kenneth O.: *See*—
Clark, Kendall, and Sisson.
- Sisson, Wayne A., Silverside, assignor to American Viscose Corporation, Wilmington, Del. Drying fibrous material. 2,459,345, Jan. 18.
- Sittler Manufacturing Corp., assignee: *See*—
Rehm, Frank J., Jr.
- Sittner, George H., Schenectady, N. Y., assignor to General Electric Company. Apparatus for continuously sheathing cores of material. 2,478,018, Aug. 2.
- Sitton, Philip N., Dayton, Ohio. Tripod. 2,465,289, Mar. 22.
- Sitton, Philip N., Dayton, Ohio. Septic tank. 2,483,564, Oct. 4.
- Sitton, Philip N., Dayton, Ohio. Form for building septic tanks. 2,485,850, Oct. 25.
- Sitzer, Philip, Irvington, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Sensitive relay and control. 2,476,329, July 19.
- Sitzer, Philip, Irvington, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Relay control means and starting means for gaseous lighting devices. 2,476,330, July 19.
- Sitzler, Richard R., Cumberland, Md., assignor to Celanese Corporation of America. Production of high tenacity cellulose derivative yarns. 2,478,331, Aug. 9.
- Sitzler, Richard R., and G. E. Dennison, Cumberland, Md., assignors to Celanese Corporation of America. Fluorescent cellulose acetate filaments. 2,457,838, Jan. 4.
- Sivian, Leon J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for measuring air velocity. 2,492,371, Dec. 27.
- Sivley, Albert R., assignor of one-half to C. R. D. Burns, Gadsden, Ala. Thermostatic switch. 2,465,664, Mar. 29.
- Sivyer, Benjamin E., Whitefish Bay, assignor to Chain Belt Company, Milwaukee, Wis. Flight for conveyers. 2,490,239, Dec. 6.
- Six, Walter J., Indianapolis, Ind. Automatic locking device. 2,475,726, July 12.
- Six, Willem: *See*—
Hardenberg, Jan J. C.
- Six, William: *See*—
Vermeulen, Roelof, and Six.
- Size Control Company, assignee: *See*—
Sommer, Peter J., Jr.
- Sizer, Albert W., Hesse, England. Extraction of liquids from liquid containing materials. 2,466,492, Apr. 5.
- Sizer, Elmer M. A.: *See*—
Grosjean, Harry W., and Sizer.
- Sjöberg, Nils, Stockholm, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Tap changing transformer system. 2,482,441, Sept. 20.
- Sjobergen, George W.: *See*—
Berry, Glenn, and Sjobergen.
- Sjostrand, Wilhelmina, St. Paul, Minn. Rail joint. 2,483,942, Oct. 4.
- Skala, Ljubomir W., assignor of sixty per cent to M. M. Warner and ten per cent to H. Blech, Chicago, Ill. Production of chromium ammonium chloride complexes. 2,470,378, May 17.
- Skeen, John R., assignor to Sun Oil Company, Philadelphia, Pa. Separation of polymers. 2,462,564, Feb. 22.
- Skerr, John D., Nassau, O. L. Russell, Altamont, and E. J. Wilson, Slingerlands, assignors to F. C. Huyck & Sons, Rensselaer, N. Y. Warp tension control for looms. 2,475,059, July 5.
- Skehan, Joseph W., Stamford, assignor to Machlett Laboratories Incorporated, Springfield, Conn. Filament assembly structure. 2,453,218, Jan. 4.
- Skekan, Joseph W.: *See*—
Machlett, Raymond R., and Skehan.
- Skellern, John: *See*—
Chamberlin, Reginald H. D., Wynne, and Skellern.
- Skellott, Albert M., Madison, assignor to National Union Radio Corporation, Newark, N. J. Getter structure for electron discharge devices. 2,474,335, June 28.
- Skellott, Albert M., Madison, assignor to National Union Radio Corporation, Newark, N. J. Electronic device and circuit arrangement therefor. 2,474,960, July 5.
- Skellott, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic register for echo pulses from a plurality of objects. 2,478,670, Aug. 9.
- Skelly, James J., Cleveland Heights, Ohio. Flexible wall structure. 2,458,537, Jan. 11.
- Skelly Oil Company, assignee: *See*—
McCants, James F.
- Skelton, John J., Lewiston, Idaho. Tool for threading cords in Venetian shades. 2,491,776, Dec. 20.
- Skelton, Robert F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Traction apparatus. 2,467,947, Apr. 19.
- Skelton, William E., Beacon, assignor to The Texas Company, New York, N. Y. Producing synthetic fuel. 2,466,334, Apr. 5.
- Sketchley, Harry J., Los Angeles, Calif. Attachment for sewer cleanout machines. 2,466,493, Apr. 5.
- Sketchley, Harry J., Los Angeles, Calif. Wire-feeding and retracting apparatus. 2,488,039, Nov. 15.
- Skiatron Corporation, assignee: *See*—
Rosenthal, Adolph H.
- Skiba, Valentine A.: *See*—
Harris, Thomas, and Skiba.
- Skidmore, Frank O., assignor of one-half to H. Reuss, Cuyahoga Falls, Ohio. Clothes prop or the like. 2,483,388, Sept. 27.
- Skilsaw, Inc., assignee: *See*—
Grafe, William H.
- Skinker, Murray F., Montclair, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rectifier. 2,462,911, Mar. 1.
- Skinner, Chame D., Wilkinsburg, Pa. Refrigerator having means for maintaining the pressure in the storage chamber above atmospheric. 2,478,719, Aug. 9.
- Skinner, Charles H.: *See*—
Turrall, George, and Skinner.
- Skinner, Harold A., Wausau, assignor to Marathon Corporation, Rothschild, Wis. Dewatering apparatus. 2,463,814, Mar. 8.
- Skinner, Jennings B.: *See*—
Burger, Lewis E., and Skinner.
- Skinner, John A., U. S. Navy. Record controlled printing apparatus. 2,477,011, July 26.
- Skinner & Kennedy Stationery Co., assignee: *See*—
Chilo, Walter E.
- Skinner, Leslie A.: *See*—
Uhl, Edward G., and Skinner.
- Skinner, Leslie A., U. S. Army, Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Rocket. 2,457,834, Jan. 4.
- Skinner, Leslie A., Washington, D. C., assignor to United States of America as represented by the Secretary of War. Rocket primer. 2,462,135, Feb. 22.
- Skinner, Leslie A., Washington, D. C. Rocket fin assembly. 2,465,401, Mar. 29.
- Skinner, Leslie A., U. S. Army, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Flying target unit. 2,482,130, Sept. 20.
- Skinner, Leslie A., Berkeley, Calif., and J. A. Folse, Miami, Fla., assignors to the United States of America as represented by the Secretary of War. Firing mechanism. 2,461,574, Feb. 15.
- Skinner, Leslie A., Berkeley, Calif., and J. A. Folse, Miami, Fla. Rocket launcher firing mechanism. 2,465,402, Mar. 29.
- Skinner, M. T., Walnut Springs, assignor of twenty-five per cent to J. R. and A. Callan, Dallas, and twenty-five per cent to J. L. McGuire, Houston, Tex. Adjustable plow sweep. 2,487,737, Nov. 8.
- Skinner, Perry R., Amsterdam, N. Y. Device for holding dentures. 2,467,163, Apr. 12.
- Skinner, Peter G., Cook Hill, near Alcester, assignor to Morris Motors Limited, Cowley, England. Measuring or comparing device. 2,472,348, June 7.
- Skinner, Robert E.: *See*—
McIntyre, Glenn H., and Skinner.
- Skinner, William F., Miami, Fla. Refrigerator drinking water cooler. 2,477,210, July 26.
- Skipper, James, H. Marble, and E. Frisell, Omaha, Nebr. Portable truck. 2,472,989, June 14.
- Sklar, David F., Brooklyn, assignor to Wilson Mechanical Instrument Co., Inc., New York, N. Y. Bridge-type hardness tester. 2,473,179, June 14.
- Sklenar, Wenzeslaw F., assignor of one-fourth to J. H. Ehardt, Chicago, Ill. Reverberatory furnace. 2,470,728, May 17.
- Skodaworks Plzen, The: *See*—
Rezler, Emil.
- Skog, Henry A.: *See*—
Ewald, Raymond L.
- Ewald, Raymond L., and Skog.
- Skog, Henry A., Olympia, Wash., assignor to Special Equipment Company, Portland, Ore. Discharging peeled fruit from grooved cups of half-fruit peeling machines. 2,457,840, Jan. 4.
- Skold, John F., Chicago, Ill. Combined container and holder for blocklike articles. 2,459,247, Jan. 18.
- Skomp, Clifford E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,465,939, Mar. 29.
- Skoning, John H. S., Grosse Pointe Park, Mich. Making precision molds. 2,480,426, Aug. 30.
- Skoog, John B.: *See*—
Skoog, Robert E. and J. B.
- Skoog, Per F., Olympia, Wash. Apparatus for the flow manufacture of sheet material. 2,459,295, Jan. 18.
- Skoog, Per F., Olympia, Wash. Mechanism for inlaying sheet material. 2,488,835, Nov. 22.
- Skoog, Robert E. and J. B., Minneapolis, Minn. Refrigerated display cabinet. 2,477,393, July 26.
- Skoog, Robert W., Borger, Tex., assignor to United Carbon Company, Inc. (Maryland), Charleston, W. Va. Pelletting of carbon black. 2,480,782, Aug. 30.
- Skramstad, Gunnar, Oslo, Norway. Luting composition. 2,465,045, Mar. 22.
- Skrob, Frank J., Okanogan, Wash. Dental cement apparatus. 2,469,525, May 10.

- Skromme, Arnold B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Molded rubber traction chain. 2,459,751, Jan. 18.
- Skromme, Arnold B., St. Joseph, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Endless band track. 2,476,828, July 19.
- Skrumbellos, Konstantine G., Wayne, Mich. Sign hoisting device. 2,481,252, Sept. 6.
- Skudre, Arnold M.: *See*—
Barnard, Alvin H., and Skudre.
Gorton, William G., Pulsifier, and Skudre.
- Skudre, Arnold M., Somerset, Mass., assignor to Raytheon Manufacturing Company. Welding timer. 2,480,678, Aug. 30.
- Skydyne, Inc., assignee: *See*—
Mautner, Steven E.
- Skyum, Christian E., Chicago, Ill. Awning. 2,489,389, Nov. 29.
- Slack, Robert A., Plainfield, and L. M. Hedges, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Method and apparatus for expansion of fibrous mats. 2,486,217, Oct. 25.
- Slade, Harry B., assignor to The Okonite Company, Passaic, N. J. Apparatus for testing insulated wire and cable. 2,460,107, Jan. 25.
- Slade, Winfield S.: *See*—
Wellwood, Warren D., and Slade.
- Sladick, Frank, Sr., Solvay, N. Y. Concrete composition and production thereof. 2,474,381, June 28.
- Slagh, Harold R., assignor to The Dow Chemical Company, Midland, Mich. Acid inhibitors. 2,467,164, Apr. 12.
- Slagle, Albert, Silver Spring, Md. Detachable bed leg. 2,466,494, Apr. 5.
- Slagle, Kenneth H., Mount Lebanon, and R. S. Bowman, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Separation of pyridine bases. 2,459,191, Jan. 18.
- Slagle, Kenneth H., Mount Lebanon, and R. S. Bowman, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Concentration of beta-picoline. 2,459,192, Jan. 18.
- Slaker, Frank V., assignor to Edwards and Company, Inc., Norwalk, Conn. Electrically actuated chime signal system. 2,487,767, Nov. 8.
- Slamar, Frank, East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoelectric scanner for register regulation. 2,486,334, Oct. 25.
- Slason, Frank K., U. S. Navy. Temperature compensated vibration pick-up. 2,472,127, June 7.
- Slater, Edward G., Muskegon, Mich. Towel rack. 2,473,771, June 21.
- Slater, Frederick W., West Haven, assignor to J. E. Murphy, New Haven, Conn. Cushioning device for carriage slides of screw machines or the like. 2,467,276, Apr. 12.
- Slater, Paul E., assignor to Anthes Force Oiler Company, Fort Madison, Iowa. Fusee. 2,467,918, Apr. 19.
- Slater, Peter J., East Hartford, assignor to The South Windsor Manufacturing Company, South Windsor, Conn. Power attachment for tractors. 2,469,181, May 3.
- Slater, Peter J., East Hartford, assignor to The South Windsor Manufacturing Company, South Windsor, Conn. Pneumatic clipper. 2,469,182, May 3.
- Slater, Raymond E., New Rochelle, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Blanking and cupping die unit. 2,490,926, Dec. 13.
- Slatin, Joseph L., Berwyn, Ill. Self-adjusting brake. 2,474,990, July 5.
- Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Making extruded collapsible tubes. 2,484,965, Oct. 18.
- Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Apparatus for making tubing. 2,491,589, Dec. 20.
- Slaughter, Elmer C., assignor to Lear, Inc., Grand Rapids, Mich. Electric motor protective circuit control. 2,481,956, Sept. 13.
- Slaughter, James A., Kermit, Tex. Stock guard. 2,471,551, May 31.
- Slavek, Frederick R., New York, N. Y. Wreath knitting machine. 2,465,665, Mar. 29.
- Slavin, Harry, Detroit, Mich. Retarding mechanism. 2,473,397, June 14.
- Slavin, Robert H., Dayton, Ohio. Shoe tree. 2,459,592, Jan. 18.
- Slavin, Sidney, Brooklyn, N. Y. Reinforced plastic tooth. 2,473,396, June 14.
- Slawik, Albert E., St. Paul, Minn. Drain cock receptacle. 2,483,943, Oct. 4.
- Slaybaugh, Elmer H., Parsons, Kans. Composition for fluoroscopic observation and roentgenography. 2,461,702, Feb. 15.
- Slaymaker, Frank H.: *See*—
Olney, Benjamin, Slaymaker, and Meeker.
- Slaymaker, Frank H., and W. F. Meeker, assignors to Stromberg-Carlson Company, Rochester, N. Y. Ranging system. 2,474,918, July 5.
- Slayter, Games, and E. Fletcher, Newark, assignors to Owens-Illiglas Corporation, Toledo, Ohio. Method and apparatus for making fine glass fibers. 2,489,242, Nov. 22.
- Slayton, John W., Jr., Pittsburgh, Pa. Tool. 2,458,880, Jan. 11.
- Sleeman, Earl C., assignor to Detroit Seamless Steel Tubes Company, Detroit, Mich. Apparatus for producing seamless tubes. 2,458,110, Jan. 4.
- Slemmons, Charles O., South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y. Tractor vehicle. 2,461,850, Feb. 15.
- Slemmons, Charles O., South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y. Band and pulley-clutch assembly. 2,466,495, Apr. 5.
- Slemmons, Charles O., South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y. Track for vehicles. 2,476,459, July 19.
- Slemmons, Charles O., South Bend, Ind., and R. W. Smith, Copley, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vehicle track. 2,461,849, Feb. 15.
- Slencil Co., The, assignee: *See*—
Harris, Carl C.
Harris, Carl C., and Bassett.
- Slepien, Joseph, Pittsburgh, and A. B. White, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating and welding system. 2,473,915, June 21.
- Slick, Edwin E., Pittsburgh, Pa. Kiln and firing the same. 2,491,625, Dec. 20.
- Slick, Thomas, San Antonio, Tex. Mill for cutting feathers. 2,471,356, May 24.
- Slifer, Vernon B.: *See*—
Randall, Edmund A., and Slifer.
- Slifkin, Charles: *See*—
Botkin, Carl, and Slifkin.
- Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype sensitized papers having cellulose ether sizing. 2,414,700, June 28.
- Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Dry developing negative. 2,459,136, Jan. 11.
- Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Monobasic salts of phosphate acids as stabilizers for diazotype prints. 2,489,728, Nov. 29.
- Sliwiak, Walter, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Adjustable magnetic shunt for laminated core structures. 2,460,656, Feb. 1.
- Sloan, Clarence A.: *See*—
Hetzler, Owen W., Sloan, and Jones.
- Sloan, David H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Feed-back system for electronic tubes comprising hollow body resonators. 2,459,593, Jan. 18.
- Sloan, David H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tube. 2,487,078, Nov. 8.
- Sloan, Edward C., Madison, Wis., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano key mounting. 2,470,659, May 17.
- Sloan, George A., Milwaukee, Wis. Brake pressure regulator. 2,469,794, May 10.
- Sloan, Howard B.: *See*—
Casellini, Ezio T., and Sloan.
- Sloan, Howard B., Swampscott, assignor to Sylvania Electric Products Inc., Salem, Mass. Thyatron tube. 2,492,665, Dec. 27.
- Sloan, Howard B., Swampscott, assignor to Sylvania Electric Products Inc., Salem, Mass. Hydrogen-filled thyatron. 2,492,666, Dec. 27.
- Sloan, Lon, Cleveland, Ohio. Producing flexible elements or couplings. 2,480,783, Aug. 30.
- Sloane, Irving, Brooklyn, N. Y. Collapsible tripod dolly. 2,485,325, Oct. 18.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Hydraulic control valve. 2,475,298, July 5.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mountings for fluid pumps. 2,481,047, Sept. 6.
- Sloat, Joe J., assignee: *See*—
Bascie, Joseph A.
- Sloat, John E., Columbia, assignor to Insulation Products Company, Willimantic, Conn. Cutting and printing machine. 2,469,526, May 10.
- Sloat, John G.: *See*—
Bascie, Joseph A.
- Slockbower, James E., Ramsey, N. J. Safety attachment for shotguns. 2,457,929, Jan. 4.
- Slocombe, Robert J., and E. E. Hardy, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Producing carbamyl chlorides. 2,480,088, Aug. 23.
- Slocombe, Robert J., E. E. Hardy, and J. H. Saunders, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Producing isocyanates. 2,480,089, Aug. 23.
- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Cable reel. Re. 23,099, Apr. 12.
- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Hydraulic braking system. 2,463,325, Mar. 1.
- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Pump for drilling apparatus. 2,466,972, Apr. 12.

- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Fluid pressure cable reel drive. 2,467,238, Apr. 12.
- Slomer, Joseph J., assignor to Goodman Manufacturing Company, Chicago, Ill. Fluid operated controller. 2,475,260, July 5.
- Slonczewski, Thaddeus: *See—*
Felch, Edwin P., Jr., Merrill, and Slonczewski.
Felch, Edwin P., Jr., and Slonczewski.
- Slonczewski, Thaddeus, Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic field strength indicator. 2,485,931, Oct. 25.
- Slonczewski, Thaddeus, Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detection system. 2,488,341, Nov. 15.
- Slook, George H., Atlantic City, N. J. Window. 2,486,991, Nov. 1.
- Slosar, Paul R., Bridgeport, Conn. Rear blinker lamp for automobiles. 2,469,581, May 10.
- Slotter, Richard L., and J. M. Tuomy, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Starch recovery process. 2,475,261, July 5.
- Slotterbeck, Ober C.: *See—*
Chambers, Thomas S., and Slotterbeck.
- Slotterbeck, Ober C., Rahway, N. J., assignor to Standard Oil Development Company. Safety fuel ingredients and their preparation. 2,472,494, June 7.
- Slottman, George V., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for decarburizing steel. 2,474,701, June 28.
- Slottman, George V., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for introducing oxygen into molten steel. 2,475,205, July 5.
- Slusher, Frank: *See—*
Leguillon, Charles W., and Slusher.
- Slutsky, Abraham, Brooklyn, N. Y. Collapsible sectional and portable washing machine. 2,483,676, Oct. 4.
- Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Welt shoe press. 2,465,612, Mar. 29.
- Small, Elmer C., assignor to W. J. Small Company, Inc., Neodesha, Kans. Alfalfa harvester. 2,463,061, Mar. 1.
- Small, Herbert L., Auburn, Maine. Antiskid chain device. 2,489,110, Nov. 22.
- Small, Joseph: *See—*
Allan, Archibald, and Small.
- Small, W. J. Company, Inc., assignee: *See—*
Small, Elmer C.
- Small, W. J. Company, Inc., The, assignee: *See—*
Plotner, Raymond.
- Small, Walter W., assignor to Auster, Limited, Birmingham, England. Panel mounting. 2,469,183, May 3.
- Smullen, Harry M., New York, N. Y. Prostate gland massaging implement. 2,477,666, Aug. 2.
- Smullen, Harry M., New York, N. Y. Prostate gland massaging implement. 2,478,786, Aug. 9.
- Smallwood, Charles H., Brownington, Mo. Pivot turning attachment for farm tractors. 2,488,989, Nov. 22.
- Smart, John S., Jr.: *See—*
Phillips, Albert J., and Smart, Jr.
- Smart, Joseph J., Mission, Kans., and G. R. Haydon, Kansas City, Mo. Power loader. 2,478,643, Aug. 9.
- Smart, Sidney K., Agawam, assignor to Shimmers Packaging Incorporated, Springfield, Mass. Flap holding means for cartons. 2,467,702, Apr. 19.
- Smathers, Henry, Charleston, S. C. Method of and dental X-ray machine for producing X-ray pictures. 2,476,776, July 19.
- Smathers, James F., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Power mechanism for typewriting machines. 2,489,826, Nov. 29.
- Smatt, Edward E., Lyndhurst, Ohio. Pipe. 2,472,444, June 7.
- Smedberg, Sam, assignee: *See—*
Nelson, Noble A.
- Smelker, Helen M., assignee: *See—*
Smelker, Le Roy.
- Smelker, Le Roy, Dayton, Ohio, assignor of one-fourth to H. M. Smelker, one-fourth to H. V. Bench and one-fourth to R. D. Smelker. Automobile tent. 2,483,478, Oct. 4.
- Smelker, Roy D., assignee: *See—*
Smelker, Le Roy.
- Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,463,435, Mar. 1.
- Smelt, Josephus A. M.: *See—*
De Gier, Johannes, and Smelt.
- Smelzer, C. Tracy, Forest Hills, assignor to Claruel Food Products Corp., New York, N. Y. Meat product and making same. 2,475,408, July 5.
- Smicker, Emma A., assignor to Blossom Products Corporation, Allentown, Pa. Infant's shirt. 2,469,246, May 3.
- Smid, Joseph J., Portland, Ore. Slide rule cursor. Re. 23,127, June 21.
- Smid, Joseph J., Portland, Ore. Slide rule attachment. 2,490,240, Dec. 6.
- Smith, F. L., & Co., assignee: *See—*
Andersen, Axel B., and Horn.
Petersen, Louis S.
- Smith, Leonard, New York, N. Y. Forming granulated synthetic resin compositions. 2,461,089, Feb. 8.
- Smiles, Melvin J., Sheboygan, Wis. Automatic brake setting and clutch release control mechanism for tractors. 2,474,598, June 28.
- Smiley, Joseph C., Jr., assignor of two-fifths to D. T. Wilson, Philadelphia, Pa. Universal coupling. 2,487,485, Nov. 8.
- Smilo, Daniel and Sons, Inc., assignee: *See—*
Murray, George M.
- Smisko, John, and S. H. Zeeb, assignors to Aeroquip Corporation, Jackson, Mich. Coupling. 2,463,326, Mar. 1.
- Smit, J. K., & Sons, Inc., assignee: *See—*
Lake, William G.
- Smith, A. L., Iron Company, assignee: *See—*
Kruger, Michael H.
- Smith, A. O.: *See—*
Gruetjen, Frederick A.
- Smith, A. O., Corporation, assignee: *See—*
Andrus, Orrin E.
Brueckner, Karl K.
Carlson, Arthur W.
Ernestus, Adolph W., and Rendenbach.
Gruetjen, Frederick A.
Hart, Edward.
Heath, William C.
Jasper, Thomas M.
Koppel, Ernst R.
Malmsten, Philip C.
Martin, Wesley G.
Needham, Howard H.
Pokras, Adolph.
Robinson, Horace M.
Schmitz, Henry A., Jr.
Scudder, Charles M.
Shaber, Neil B.
- Smith, Albert E., and O. A. Beeck, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of a lithium-aluminum compound as a base for a conversion catalyst. 2,474,440, June 28.
- Smith, Alexander N., Spring Valley, N. Y. Cabinet having interconnected doors. 2,465,555, Mar. 29.
- Smith, Algernon L., Birmingham, Ala., assignor to Continental Gin Company. Combined cotton gin and lint cleaner. 2,489,827, Nov. 29.
- Smith, Allen S., Ann Arbor, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa. Detoxification of cyanide-containing industrial waste liquors. 2,459,464, Jan. 18.
- Smith, Alva, administratrix: *See—*
Smith, Leatham D.
- Smith, Alva F., assignee, administratrix: *See—*
Smith, Leatham D., and Stearn.
- Smith, Alva T., Milwaukee, Wis. Outdoor cooker. 2,466,496, Apr. 5.
- Smith, Alva T., Milwaukee, Wis. Outdoor stove with an adjustable fire pot. 2,487,605, Nov. 8.
- Smith, Alvin W., J. G. Robinson, administrator of said A. W. Smith, deceased, assignor to E. L. Bauer, Cincinnati, Ohio. Fishing float. 2,483,788, Oct. 4.
- Smith, Andrew G., Detroit, Mich. Dirigible headlight mechanism for automobiles. 2,477,497, July 26.
- Smith, Arthur D., Park Ridge, assignor to Adsorptive Process Company, Chicago, Ill. Process and apparatus for the treatment of hydrocarbon oil with catalysts. 2,461,932, Feb. 15.
- Smith, Arthur D., Spokane, Wash., assignor to Aluminum Company of America, Pittsburgh, Pa. Apparatus for delivering charges of material. 2,485,018, Oct. 18.
- Smith, Arthur E., Los Angeles, Calif. Syringe. 2,473,733, June 21.
- Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,473,734, June 21.
- Smith, Arthur E., Los Angeles, Calif. Ampoule syringe. 2,475,060, July 5.
- Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,475,061, July 5.
- Smith, Arthur E., Los Angeles, Calif. Disposable syringe. 2,478,844, Aug. 9.
- Smith, Arthur E., Los Angeles, Calif. Disposable ampoule syringe. 2,478,845, Aug. 9.
- Smith, Arthur E., Los Angeles, Calif. Disposable ampoule syringe. 2,490,551, Dec. 6.
- Smith, Arthur E., Los Angeles, Calif. Combination disposable syringe unit. 2,490,552, Dec. 6.
- Smith, Arthur E., Los Angeles, Calif. Disposable syringe. 2,490,553, Dec. 6.
- Smith, Arthur E. W.: *See—*
Scaife, Charles W., Smith, and Baldock.
- Smith, Arthur E. W., C. W. Scaife, and H. Baldock, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Manufacture of organic nitro compounds. 2,472,550, June 7.
- Smith, Arthur G., Elyria, Ohio. Cleaning device. 2,487,676, Nov. 8.
- Smith, Arthur L., Torrance, assignor to Lane-Wells Company, Los Angeles, Calif. Well perforating gun. 2,462,784, Feb. 22.
- Smith, Arthur R., Birmingham, G. A. Lee and C. J. Hopkins, Cuffley, England. Envelope feeding mechanism with slidably and pivotally mounted gripper arms. 2,486,069, Oct. 25.
- Smith, August, Newport, Ky. Perforating mechanism. 2,475,807, July 12.

- Smith, Benjamin H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Maximum demand electrical measuring device. 2,492,011, Dec. 20.
- Smith, Benjamin L., Gary, Ind. Automatic control. 2,486,070, Oct. 25.
- Smith, Bert, Teaneck, and C. Ringel, Hawthorne, N. J., assignors to American Throttle Company, Inc., New York, N. Y. Throttle lever. 2,492,715, Dec. 27.
- Smith, Blanchard D., Atlanta, Ga. Hand tire tool for manipulating casings. 2,492,329, Dec. 27.
- Smith, Carl F., Faribault, Minn. Drying rack. 2,483,242, Sept. 27.
- Smith, Carl G., Wichita, Kans. Key container. 2,463,815, Mar. 8.
- Smith, Carl H., Jr., Arlington, Va., and M. L. Kuder, Washington, D. C. Electronic signal shaping circuit. 2,482,803, Sept. 27.
- Smith, Carl K.: *See—*
Wilkinson, Watkins W., and Smith.
- Smith, Cedric H., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic gamma control. 2,458,437, Jan. 4.
- Smith, Charles E., Ottumwa, Iowa. Hosiery mender. 2,465,403, Mar. 29.
- Smith, Charles F., Forest Park, Ill. Piano action. 2,466,498, Apr. 5.
- Smith, Charles G.: *See—*
Watkinson, Eric, Storm, and Smith.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Apparatus for treating gaseous media. 2,463,569, Mar. 8.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Method and means for controlling the polarization of radiant energy. 2,464,269, Mar. 15.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Oscillator. 2,468,127, Apr. 26.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc discharge device. 2,468,788, May 3.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetic induction device. 2,473,477, June 14.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Communication system. 2,473,613, June 21.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Television receiver screen. 2,473,825, June 21.
- Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical discharge device. 2,473,826, June 21.
- Smith, Charles J., Albany, N. Y. Hay loader. 2,460,544, Feb. 1.
- Smith, Charles P., Delton, assignor to L. A. Shimmel, Birmingham, Mich. Constant draft hitch. 2,480,387, Aug. 30.
- Smith, Charles P., Lancaster, Pa., assignor to Radio Corporation of America. Control grid for gas tubes. 2,458,213, Jan. 4.
- Smith, Charles V., New York, N. Y. Syringe. 2,483,851, Oct. 4.
- Smith, Chester A., Jr., Clifton Forge, Va. Electric circuit controller. 2,487,079, Nov. 8.
- Smith, Chester J., Mishawaka, Ind. Lifting device or elevator. 2,483,109, Sept. 27.
- Smith, Clarence C.: *See—*
Christensen, Norman V., and Smith.
- Smith, Clarence J., Lewistown, Ill. Artificial fishing lure. 2,481,789, Sept. 13.
- Smith, Claude C., Oklahoma City, Okla. Leather roughing tool. 2,471,787, May 31.
- Smith, Claude R., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Double salts of nicotine. 2,476,514, July 19.
- Smith, Clifford E., and E. K. Olson, assignors to A. E. Staley Manufacturing Co., Decatur, Ill. Manufacturing starch sirup. 2,490,716, Dec. 6.
- Smith, Clifton E.: *See—*
Courtney, Albert L., and Smith.
- Smith, Clyde C., Kokomo, Ind. Drinking tube and glass clamp. 2,460,542, Feb. 1.
- Smith, Clyde E.: *See—*
Cooper, Joseph H., and Smith.
Ringer, Robert L., Jr., and Smith.
- Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding system. 2,477,211, July 26.
- Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Voltage regulator circuits. 2,477,946, Aug. 2.
- Smith, Clyde J., assignee: *See—*
Wynn, Ernest E.
- Smith, Clyde V., Los Angeles, Calif. Display rack. 2,480,515, Aug. 30.
- Smith, Courland N., Jr., Colonia, assignor to The Regina Corporation, Rahway, N. J. Can opener. 2,460,717, Feb. 1.
- Smith, Coy J., San Diego, Calif. Bearing replacer tool. 2,477,270, July 26.
- Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of diols and ester derivatives thereof. 2,471,391, May 24.
- Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Dimetro alcohols and producing the same from unsaturated aldehydes. 2,475,996, July 12.
- Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Cyano-substituted tetrahydropyran compounds and preparation of the same. 2,489,729, Nov. 29.
- Smith, Curtis W., and D. G. Norton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of acrolein diacetate. 2,483,852, Oct. 4.
- Smith, Curtis W., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Monohydroxy dinitriles and esters thereof, and preparation of the same. 2,483,853, Oct. 4.
- Smith, Dale, Englewood, Ohio. Liquid cooling device. 2,482,220, Sept. 20.
- Smith, Dallas M., Kirkwood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 2,459,395, Jan. 18.
- Smith, Daniel W.: *See—*
Lambert, Robert D., and Smith.
- Smith, Darwin G., and H. C. Faulkner, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Thread-trimming mechanism for sewing machines. 2,487,359, Nov. 8.
- Smith, David B., Flouretown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Hygrometry. 2,468,691, Apr. 26.
- Smith, David C., Toledo, assignor of thirty per cent to E. W. Sauers, thirty per cent to A. E. Giesey, Cleveland, and twenty per cent to L. I. Oblinger, Toledo, Ohio. Door latch mechanism. 2,472,730, June 7.
- Smith, David H., Jr., Wyand, Ill. Motor vehicle passing signal. 2,464,535, Mar. 15.
- Smith, David M., Stretford, Manchester, and C. G. Lloyd, Baguley, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Multistage compressor. 2,461,931, Feb. 15.
- Smith, Donald J., assignee: *See—*
Tisdale, James R. M.
- Smith, Donald L., Dunellen, N. J., assignor to Air Reduction Company, Incorporated. Scarfing machine. 2,480,308, Aug. 30.
- Smith, Donald P., Cambridge, Mass. Outlet valve-diaphragm assembly. 2,466,127, Apr. 5.
- Smith, Douglas M.: *See—*
Ferris, Seymour W., Lamson, and Smith.
- Smith, Earl K.: *See—*
Edwards, Donald V., and Smith.
- Smith, Earl K., Montrose, Pa. Temporary lift for bifocal spectacles. 2,459,051, Jan. 11.
- Smith, Earl K., West Orange, assignor to Electrons, Incorporated, Newark, N. J. Cathode structure for gas tubes. 2,489,937, Nov. 29.
- Smith, Earl K., West Orange, assignor to Electrons, Incorporated, Newark, N. J. Hot cathode grid control gas tube. 2,489,938, Nov. 29.
- Smith, Edgar M., Trenton, N. J., assignor to The Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Split-phase induction motor. 2,458,436, Jan. 4.
- Smith, Edgar M., Trenton, N. J., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,462,566, Feb. 22.
- Smith, Edmund G., Cedar Grove, and O. M. Cocchiarella, Newark, assignors to Equipment Development Co., Inc., Montclair, N. J. Rotary filter. 2,489,681, Nov. 29.
- Smith, Edmund G., Cedar Grove, and O. M. Cocchiarella, Newark, assignors to Equipment Development Co., Inc., Montclair, N. J. Filter element. 2,489,682, Nov. 29.
- Smith, Edward E.: *See—*
Mewherter, Frank W., and Smith.
- Smith, Edward M., Cleveland, and D. P. Berg, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Magnetically coupled recorder-indicating instrument. 2,475,573, July 5.
- Smith, Edward M., C. E. Whittaker and J. S. Goodwin, Whittier, assignors to Globe Oil Tools Company, Los Nietos, Calif. Starting gate. 2,461,780, Feb. 15.
- Smith, Edwin A., assignor to Willard-Anderson Company, Danville, Ill. Compressor. 2,469,998, May 10.
- Smith, Edwin G.: *See—*
Morton, William A.
- Smith, Edwin W.: *See—*
Topham, Laurence E., and Smith.
- Smith, Elizabeth E. and W. O., Pittsburgh, Pa. Dental compact. 2,476,686, July 19.
- Smith, Ellis, and N. Crabtree, Bradford, S. Naylor, Wibsey, Bradford, and H. J. Maw, Guiseley, England. Air cleaner for carburetors. 2,474,017, June 21.
- Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Combination welding and cutting torch. 2,476,777, July 19.
- Smith, Elmo D.: *See—*
Smith, Kenneth L. and E. D.
- Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Apparatus for automatically controlling temperatures. 2,486,443, Nov. 1.

- Smith, Elmore S., assignor to Moffats Limited, Weston, Ontario, Canada. Apparatus for automatically controlling temperatures. 2,487,037, Nov. 1.
- Smith, Emil L.: *See—*
Gerlough, Tillman D., and Smith.
- Smith Engineering Works, assignee: *See—*
Munro, Alexander L.
- Smith, Erasmus D.: *See—*
Lee, William H., and Smith.
- Smith, Ernest K., Toronto, Ontario, Canada. Combination lock. 2,491,779, Dec. 20.
- Smith, Ernest L., North Harrow, and A. E. Bide, Ealing, London, assignors to Therapeutic Research Corporation of Great Britain Limited, London, England. Manufacture of penicillin. 2,475,920, July 12.
- Smith, Eric H., and O. A. Johnson, assignors to Riley Stoker Corporation, Worcester, Mass. Rejector-blade wear-compensating-ring for discharge of rotary beater mill. 2,459,248, Jan. 18.
- Smith, Eric H., and O. A. Johnson, assignors to Riley Stoker Corporation, Worcester, Mass. Endless grate stoker comprising air feed and siftings removal means. 2,488,689, Nov. 22.
- Smith, Esmond W.: *See—*
Dean, John N., and Smith.
- Smith, Esmond W., Beechcroft, Chislehurst, and R. W. Presswell, Kensington, London, assignors to The Telegraph Construction and Maintenance Company Limited, London, England. Submarine cable repeater. 2,471,046, May 24.
- Smith, Eugene F.: *See—*
Remke, Theodore K., and Smith.
- Smith, Evan S.: *See—*
Fell, William F., and Smith.
- Smith, Evan S., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. System for regulating frequency and voltage of motor alternators. 2,492,540, Dec. 27.
- Smith, Everett F.: *See—*
Morey, Glen H., and Smith.
- Smith, Everett F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Converting lower-boiling aldehydes into higher-boiling aldehydes. 2,485,989, Oct. 25.
- Smith, Everett M., Leamington, Ontario, Canada. Street crossing signal device for blind pedestrians. 2,461,448, Feb. 8.
- Smith, Ezra S., assignor to Metals & Controls Corporation, Attleboro, Mass. Snap-acting springing and thermostatic plate. 2,487,684, Nov. 8.
- Smith, Forrest E., Asheville, N. C. Hammer for impact pulverizer. 2,467,865, Apr. 19.
- Smith, Frank C., Detroit, Mich. Edging device for lawns. 2,476,461, July 19.
- Smith, Frank E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Annular horizontal current gravity liquid classifier. 2,479,141, Aug. 16.
- Smith, Frank M., Lexington, Mich. Building structure. 2,485,463, Oct. 18.
- Smith, Franklin N., Aurora, Ill. One-way expansible band brake. 2,462,565, Feb. 22.
- Smith, Fred L., Julesberg, Colo. Beet harvester. 2,478,877, Aug. 9.
- Smith, Fred R., Tacoma, Wash. Shoe holder or stretcher. 2,476,462, July 19.
- Smith, George C., Glenside, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Reversible seat. 2,472,349, June 7.
- Smith, George E., Fort Mitchell, Ky., assignor to The U. S. Electrical Tool Company, Cincinnati, Ohio. Handle structure for portable tools. 2,468,469, Apr. 26.
- Smith, George E. P., Jr., and E. L. Carr, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Thiaryl sulfenamides. 2,459,736, Jan. 18.
- Smith, George H.: *See—*
Hansen, Odd A., and Smith.
Mobbs, Herbert, and Smith.
- Smith, George J., Thorndike, Mass. Automatic ventilator. 2,474,760, June 28.
- Smith, George O., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Asymmetrical conductor. 2,484,252, Oct. 11.
- Smith, George S.: *See—*
McCoy, Paul E., and Smith.
- Smith, George S., San Diego, and W. H. Hunt, National City, assignors of one-third to I. Smith, San Diego, Calif. Parachute control means for projectiles. 2,464,949, Mar. 22.
- Smith, George W., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Rectifier treatment. 2,483,110, Sept. 27.
- Smith, George W., Union, N. J. Expansible pipe fitting. 2,477,315, July 26.
- Smith, George W., Jr., Greenwich, Conn., assignor of one-half to Eric W. Wood, Syosset, N. Y. Vehicle traction device. 2,474,640, June 28.
- Smith, Gordon E., and W. Hunter, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of aliphatic acid anhydrides from unsaturated hydrocarbon acid anhydrides. 2,492,403, Dec. 27.
- Smith, Grady E., assignor to Standard Concrete Products Corp., Houston, Tex. Pipe joint. 2,488,245, Nov. 15.
- Smith, Grant W., Grand Forks, N. Dak., assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of vinylidene compounds in aqueous emulsion in the presence of ionizable silver compounds and ammonia. 2,473,548, June 21.
- Smith, Grant W., Grand Forks, N. Dak., assignor to The B. F. Goodrich Company, New York, N. Y. Polymerizing vinylidene compounds in aqueous medium in the presence of silver ion and oxalate ion. 2,473,549, June 21.
- Smith, Guy L., Cumberland, Md. Tire guard. 2,474,284, June 28.
- Smith, Harlen E., Parkersburg, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Feeding fluids to cutting tools. 2,478,846, Aug. 9.
- Smith, Harold A., Rochester, N. Y. Truck tail gate lock. 2,472,234, June 7.
- Smith, Harry A., assignee: *See—*
Brauch, Albert L.
- Smith, Harry B., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wear adjusting shim for a relay. 2,484,251, Oct. 11.
- Smith, Harry E., Little Silver, N. J., assignor to Celanese Corporation of America. Container. 2,466,666, Apr. 12.
- Smith, Harry R., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch. 2,471,357, May 24.
- Smith, Helen E., New York, N. Y. Disposable bib. 2,492,599, Dec. 27.
- Smith, Henry, and H. B. Owens, Kennewick, Wash. Grain dispensing truck. 2,490,241, Dec. 6.
- Smith, Henry L., and N. B. Wood, Clearwater, Fla., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Juice extracting machine. 2,463,125, Mar. 1.
- Smith, Henry M., Maywood, Calif. Pump piston. 2,487,390, Nov. 8.
- Smith, Herbert A., Pasadena, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Fluid pressure operated device for inserting cushion pads. 2,457,930, Jan. 4.
- Smith, Herbert P., assignor to Riviera Packing Company, Eastport, Maine. Fish grading and separating apparatus. 2,483,507, Oct. 4.
- Smith, Herbert P., assignor to Riviera Packing Company, Eastport, Maine. Apparatus for trimming fish. 2,483,508, Oct. 4.
- Smith, Herman A., assignor of forty-nine per cent to M. A. Williams, Chicago, Ill. Christmas tree stand. 2,471,124, May 24.
- Smith, Herman J., United States Army, Oklahoma City, Okla. Merchandise dispensing device. 2,492,198, Dec. 27.
- Smith, Herschel G.: *See—*
Cantrell, Troy L., and Smith.
- Smith, Herschel G., Wallingford, and M. L. Hill, Boothwyn, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Stabilized pyrethrin insecticide. Re. 23,168, Nov. 10.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants. 2,472,552, June 7.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricants. 2,475,409, July 5.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricants. 2,475,410, July 5.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oil compositions and improvement agents therefor. 2,475,727, July 12.
- Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Heterocyclic nitrogen base salts of 3-methylbutyl, 2-ethyl-hexyl orthophosphate. 2,480,056, Aug. 23.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, and M. L. Hill, Yeadon, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Diesel fuel oils. 2,487,189, Nov. 8.
- Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, and M. L. Hill, Yeadon, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Diesel fuel oils. 2,487,190, Nov. 8.
- Smith, Herschel G., Wallingford, T. L. Cantrell, and W. L. McClintock, Jr., Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Corrosion inhibitor. 2,491,222, Dec. 13.
- Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Implement attaching means. 2,464,534, Mar. 15.
- Smith, Horace L., Jr., Richmond, Va., assignor to Chain Belt Company, Milwaukee, Wis. Vacuum chamber evacuation. 2,460,197, Jan. 25.
- Smith, Horace L., Jr., Richmond, Va., assignor to Chain Belt Company, Milwaukee, Wis. Can drying apparatus. 2,489,468, Nov. 29.

- Smith, Horace L., Jr., Richmond, Va., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for processing packaged products. 2,491,421, Dec. 13.
- Smith, Howard, Paper Mills Limited, assignee: *See*—Jones, William C. R. Winterburn, Fred.
- Smith, Howard E., assignor to Insl-X Corporation, Brooklyn, N. Y. Plastic composition for coating wire. 2,483,441, Oct. 4.
- Smith, Howard E., assignor to Insl-X Corporation, Brooklyn, N. Y. Plastic fungicidal composition and making the same. 2,490,100, Dec. 6.
- Smith, Howard E., and D. M. O'Halloran, Briarcliff Manor, assignors to Centro Research Laboratories, Incorporated, Scarborough on Hudson, N. Y. Insulating coating having high dielectric strength. 2,462,912, Mar. 1.
- Smith, Howard E., Briarcliff Manor, and W. Harden, Scarborough, assignors, by mesne assignments, to Insl-X Corporation, Briarcliff Manor, N. Y. Fungistatic plastics. 2,491,287, Dec. 13.
- Smith, Howard M., Davisburg, Mich. Spring tester. 2,467,539, Apr. 19.
- Smith, Hugh T., Chicago, Ill., A. P. Scheller, Union, E. Meincke, Summit, and J. Kolody, Basking Ridge, N. J., assignors to The Linde Air Products Company. Wide continuous slotted nozzle metal scarfing blowpipe apparatus. 2,483,479, Oct. 4.
- Smith, Irving R.: *See*—Pendleton, Wesley W., Berberich, and Smith.
- Smith, Isabelle, assignee: *See*—Smith, George S., and Hunt.
- Smith, J. L., Birmingham, Ala. Fishing rod holder. 2,459,549, Jan. 18.
- Smith, Jack J., assignee: *See*—Markham, Thomas A.
- Smith, James C., Lumberton, N. C. Cutting machine. 2,492,330, Dec. 27.
- Smith, James E., Jackson Heights, and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Electronic switching system. 2,464,353, Mar. 15.
- Smith, James L.: *See*—Lockwood, Samuel K., and Smith.
- Smith, James M., Jr.: *See*—Kuh, Erwin, and Smith.
- Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Halogenated phenacetylpyridines. 2,482,521, Sept. 20.
- Smith, James M., Jr., North Plainfield, and B. Roth, Middlesex, N. J., assignors to American Cyanamid Company, New York, N. Y. 2-phenacetylpyrimidines and preparing the same. 2,487,391, Nov. 8.
- Smith, Jay W., assignor to Chris-Craft Corporation, Algonac, Mich. Manifold for two-cycle crankcase compression engines. 2,459,594, Jan. 18.
- Smith, Jennings A., assignor to Southern Research Laboratories, Memphis, Tenn. Therapeutic chewing gum. 2,476,687, July 19.
- Smith, John E., Chicago, Ill., assignor to Nathan Manufacturing Company, New York, N. Y. Shoe for wheel flange lubrication. 2,486,071, Oct. 25.
- Smith, John E., Sioux City, Iowa. Truck endgate. 2,467,277, Apr. 12.
- Smith, John J.: *See*—Gates, Eugene H., Jr., and Smith. Mueller, Frank H., and Smith. Mueller, Lucien W., and Smith.
- Smith, John J., assignor to Mueller Co., Decatur, Ill. Meter hanger. 2,476,119, July 12.
- Smith, John J., assignor to Mueller Co., Decatur, Ill. Meter hanger. 2,476,120, July 12.
- Smith, John J., assignor to Mueller Co., Decatur, Ill. Sealing ring for pipe couplings. 2,481,481, Sept. 6.
- Smith, John J., assignor to Mueller Co., Decatur, Ill. Water meter yoke. 2,484,755, Oct. 11.
- Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Radio direction and ranging system. 2,492,120, Dec. 20.
- Smith, John P., Jr., Verona, assignor to The Daven Company, Newark, N. J. Rheostat with rotating arm. 2,465,940, Mar. 29.
- Smith, John P., Jr., Verona, assignor to Daven Company, Newark, N. J. Current transformer. 2,476,121, July 12.
- Smith, John P., Jr., Verona, assignor to The Daven Company, Newark, N. J. Attenuator assembly. 2,484,126, Oct. 11.
- Smith, John W., Long Island City, and F. A. Hester, assignors to Faximile, Inc., New York, N. Y. Page separation signal and pulse generator. 2,483,442, Oct. 4.
- Smith, Joseph A.: *See*—Smith, Paul T., and J. A.
- Smith, Joseph Y., East St. Louis, Ill. Attachment for journal boxes. 2,490,658, Dec. 6.
- Smith, Kenneth L., and E. D., Eufaula, Okla. Running gear assembly for trailer wagons. 2,459,050, Jan. 11.
- Smith, Kenneth M.: *See*—Paine, Louis A., and Smith.
- Smith, Kline & French Laboratories, assignee: *See*—Alles, Gordon A. Ulfyot, Glenn E.
- Smith, L. C., & Corona Typewriters, Inc., assignee: *See*—Hill, Laurence B.
- Smith, Lawrence E., Hubbardston, Mass., assignor to The Bristol Company, Waterbury, Conn. Thermometric apparatus. 2,477,835, Aug. 2.
- Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Cutting tool. 2,463,063, Mar. 1.
- Smith, Leah K., assignee: *See*—Wemp, Ernest E.
- Smith, Leatham D., deceased, late of Sturgeon Bay; by A. F. Smith, administratrix, and R. A. Stearn, Sturgeon Bay, Wis.; said Stearn assignor to A. F. Smith, as administratrix of the estate of said L. D. Smith. Freight container. 2,457,842, Jan. 4.
- Smith, Leatham D., R. A. Stearn, and C. R. Christianson, Sturgeon Bay, Wis.; said Stearn and said Christianson assignors to said Smith; A. Smith, administratrix of said L. D. Smith, deceased. Freight container. 2,457,841, Jan. 4.
- Smith, Lee B.: *See*—Calfee, John D., and Smith.
- Smith, Lee T.: *See*—Mast, William C., Smith, and Fisher. Nichols, Peter L., Jr., and Smith.
- Smith, Lee T., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Copolymers of tetra-allyl pentaerythritol. 2,462,817, Feb. 22.
- Smith, Leonard L., Columbus, Ohio. Stonecutting machine. 2,488,643, Nov. 22.
- Smith, Lester C., Westmont, N. J., assignor to Radio Corporation of America. Electronic apparatus. 2,471,246, May 24.
- Smith, Lloyd B.: *See*—Dart, Jack C., and Smith. Sweetser, Sumner B., and Smith.
- Smith, Lloyd S., Philadelphia, Pa. Head protector for hats. 2,478,550, Aug. 9.
- Smith, Louie W., Fort Dodge, Iowa. Dump wagon. 2,471,379, May 24.
- Smith, Louis H., Wichita, Kans., and P. A. Dodson, assignors to Boeing Airplane Company, Seattle, Wash. Deicing wing construction. 2,478,873, Aug. 9.
- Smith, Lucian A., Glenburnie, Md. Safety switch lock for railroads. 2,490,742, Dec. 6.
- Smith, Lucian B., Flint, assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,459,297, Jan. 18.
- Smith, Luther A., Birmingham, Ala. Adjustable hole saw. 2,482,439, Sept. 20.
- Smith, Luton B., and N. B. Smith, High Point, N. C. Bee comb foundation frame. 2,474,382, June 23.
- Smith, Malcolm K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Producing esters. 2,486,444, Nov. 1.
- Smith, Marion F., and Harold W. Greider, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Manufacture of asbestos sheet material. 2,467,540, Apr. 19.
- Smith, Marion O., Hoopston, Ill., assignor to Food Machinery and Chemical Corporation. Quality grader. 2,466,973, Apr. 12.
- Smith, Marvin A.: *See*—Webb, Glenn M., and Smith.
- Smith, Marvin A., Portland, Oreg. Curtain and drape rod support attachment. 2,474,551, June 28.
- Smith, Marvin M., Muncie, Ind., and E. N. Kemler, Birmingham, Ala., assignors to Muncie Gear Works, Inc.; Muncie, Ind. Heat pump using deep well for a heat source. 2,461,449, Feb. 8.
- Smith, Marvin M., Muncie, Ind., and E. N. Kemler, Birmingham, Ala., assignors to Muncie Gear Works, Inc.; Muncie, Ind. Heat pump. 2,490,983, Dec. 13.
- Smith, McDonald D., Washington, D. C., and G. F. Freer, Arlington, Va., assignors to Mueller Co., Decatur, Ill. Pipe-line stopper. 2,482,696, Sept. 20.
- Smith, Melvin L., Kane, Pa. Piezoelectric crystal mounting. 2,484,428, Oct. 11.
- Smith, Merrill H., Athens, Tenn. Nose and throat atomizer. 2,463,002, Mar. 1.
- Smith Metal Arts Company, Inc., assignee: *See*—Braun, Carl C.
- Smith, Minton L., Savannah, Ga. Catheter. 2,460,473, Feb. 1.
- Smith, Neil C., Minneapolis, and W. E. Johnson, Robbinsdale, Minn., said Johnson assignor to said Smith. Twist drill grinding fixture. 2,486,335, Oct. 25.
- Smith, Nellie B.: *See*—Smith, Luton B., and Nellie B.
- Smith, Nevins B., Hamburg, assignor to Landis Machine Company, Waynesboro, Pa. Automatic work control means for metal-working machines. 2,490,841, Dec. 13.
- Smith, Newland F., Jr., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Double diode variable frequency divider. 2,487,191, Nov. 8.
- Smith, Nicol H.: *See*—Allen, Henry B., and Smith.
- Smith, Nils G., assignor to Elektriska Svetsningsaktiebolaget, Goteborg, Sweden. Apparatus for electric arc welding. 2,477,906, Aug. 2.
- Smith, Oscar M., Whiteville, Tenn. Necktie ironing board. 2,487,486, Nov. 8.
- Smith, Parker K., Interlaken, and M. Nappe, Farmingdale, N. J. Portable outdoor wading pool. 2,483,789, Oct. 4.

- Smith, Paul A., Mars, Pa. Pulley. 2,471,906, May 31.
- Smith, Paul L., and L. E. Williams, Jr., Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Seal. 2,481,357, Sept. 6.
- Smith, Paul T., Esmond, and J. A. Smith, Cranston, R. I. Rhodium alloy coatings and method of making same. 2,461,933, Feb. 15.
- Smith, Perry C., Moorestown, and J. H. Reisner, Haddonfield, N. J., assignors to Radio Corporation of America. Method of and apparatus for selectively achieving electronic dark-field and bright field illumination. 2,464,419, Mar. 15.
- Smith, Philip D.: See—
Alexander, Peter, Burrows, and Smith.
- Smith, Prevost F., Pacific Beach, Calif. Parachute zero speed landing motor. 2,477,907, Aug. 2.
- Smith, Prevost F., San Diego, Calif. Parachute deploying means. 2,458,212, Jan. 4.
- Smith, Ralph H.: See—
McCray, George, and Smith.
- Smith, Raymond D., Madison, Wis. Drafting board. 2,489,165, Nov. 22.
- Smith, Reuben T., Calhoun City, Miss. Throttle control mechanism. 2,479,646, Aug. 23.
- Smith, Reuben T., Calhoun City, Miss. Power control. 2,487,606, Nov. 8.
- Smith, Richard A., Cornwall-on-Hudson, assignor to The Kentlee Company, Inc., New York, N. Y. Valved bubble tube. 2,481,358, Sept. 6.
- Smith, Richard C.: See—
McPherson, Arthur D., Dalton, and Smith.
- Smith, Richard E., Rydall, Pa., and P. A. Musso, Riverton, N. J., assignors to C. Schmidt & Sons, Inc., Philadelphia, Pa., and to Kieckhefer Container Company, Camden, N. J. Collapsible carrier. 2,460,108, Jan. 25.
- Smith, Richard H., Newton, Mass. Razor. 2,469,010, May 3.
- Smith, Richard J., Manchester, England, assignor to Imperial Chemical Industries Limited. Sized glycol terephthalate yarn, process, and composition for producing same. 2,459,052, Jan. 11.
- Smith & Richardson Manufacturing Company, assignee: See—
Richardson, Arthur T., and Smith.
- Smith, Robert A.: See—
Diamond, Holton W., and Smith.
- Smith, Robert A., Mahwah, N. J., assignor to Polaroid Corporation, Dover, Del. Glare reduction filter comprising light polarizing area merging gradually with transparent nonpolarizing area. 2,475,921, July 12.
- Smith, Robert A., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for preparing fiber products. 2,481,048, Sept. 6.
- Smith, Robert A., Ridley Park, and J. S. Chaya, Springfield, Pa., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for slashing yarns. 2,461,090, Feb. 8.
- Smith, Robert E., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,473,263, June 14.
- Smith, Robert L., Amherst, assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Producing surface decorated plastic sheets. 2,472,551, June 7.
- Smith, Robert L., Pitman, D. J. Crowley, Penn's Grove, and P. G. Waldo, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Wetting agents. 2,463,497, Mar. 1.
- Smith, Robert L., San Diego, Calif. Abrasive sheet holder. 2,464,950, Mar. 22.
- Smith, Robert M.: See—
Ehrlich, John, Smith, and Penner.
- Smith, Robert W.: See—
Schwartzwalder, Karl, Rulka, and Smith.
- Slemmons, Charles O., and Smith.
- Smith, Robert W., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Friction drive track. 2,476,460, July 19.
- Smith, Roger M., Goodyear, Ariz., assignor to Caterpillar Tractor Co., Peoria, Ill. Cable control mechanism. 2,486,072, Oct. 25.
- Smith, Roger M., Phoenix, Ariz., assignor to Caterpillar Tractor Co., San Leandro, Calif. Holding brake for power transmission. 2,475,997, July 12.
- Smith, Rogers M., Merchantville, N. J., assignor to Radio Corporation of America. Radio frequency system for altitude or distance measurement. 2,492,012, Dec. 20.
- Smith, Roland L., Belmont, assignor to Nuproducts Corporation, Cambridge, Mass. Coffee maker. 2,470,323, May 17.
- Smith, Roland L., Belmont, Mass., assignor to Nuproducts Corporation, Cambridge, Mass. Coffee maker. 2,478,787, Aug. 9.
- Smith, Rolf M., assignor to General Motors Corporation, Dayton, Ohio. Sealed motor-compressor unit. 2,468,948, May 3.
- Smith, Rolland D., Euclid, assignor to Auto-Diesel Piston Ring Company, Cleveland, Ohio. Toilet kit with tooth-paste tube dispensing clamp. 2,488,743, Nov. 22.
- Smith, Roy A., Los Angeles, Calif. Hair retainer. 2,490,285, Dec. 6.
- Smith, Roy D., Mertzon, Tex., assignor to Bee-Line Company, Scott County, Iowa. Frame straightener tool. 2,482,738, Sept. 20.
- Smith, Roy W., Borger, Tex. Bulldozer blade attachment. 2,468,380, Apr. 26.
- Smith, S., and Sons (England), Limited, assignee: See—
Grose, Frederick J.
Meredith, Frederick W.
Moss, Eric B.
Seath, Edward G., and Klepp.
- Smith, Samuel, Elmdon, England. Rotary swaging machine. 2,485,326, Oct. 18.
- Smith, Samuel H., Bucyrus, Ohio. Heat exchanger and making same. 2,462,136, Feb. 22.
- Smith, Samuel M., New Bedford, Mass. Transparent bird feeder. 2,475,207, July 5.
- Smith, Samuel W., Arlington, Va. Simulated bowling target. 2,478,134, Aug. 2.
- Smith, Scott V., Danville, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Article holding and ejecting fixture. 2,488,609, Nov. 22.
- Smith, Seymour, & Son, assignee: See—
Isele, Louis E.
- Smith, Seymour, & Son, Inc., assignee: See—
Isele, Louis E.
- Smith, Sidney E., Ukiah, Calif. Sash balance. 2,483,068, Sept. 27.
- Smith, Sidney K.: See—
MacCutcheon, Edward M., Jr., Windenburg, and Smith.
- Smith, Sidney R., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Substation ringer having permanent magnet armature. 2,479,703, Aug. 23.
- Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,458,307, Jan. 4.
- Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,469,215, May 3.
- Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit breaker. 2,472,625, June 7.
- Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Protective switch device. 2,491,338, Dec. 13.
- Smith, Spencer V., Wayne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Train performance calculator and recorder. 2,469,011, May 3.
- Smith, Stanley J., Jackson Heights, N. Y., assignor to Simmonds Development Corporation Limited, London, England. Supply system for liquids. 2,478,671, Aug. 9.
- Smith, Stephen, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flame hardening. 2,482,945, Sept. 27.
- Smith, Sydney, Lawrenceville, N. J. Roller bearing assembly. 2,474,016, June 21.
- Smith, Thomas Q., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Camelback material. 2,459,757, Jan. 18.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Shaft and bearing seal. 2,467,099, Apr. 12.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Hydraulic flow valve. 2,475,206, July 5.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Padding for ironer rolls. 2,487,487, Nov. 8.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Seal for oscillating or rotating shafts. 2,492,402, Dec. 27.
- Smith, Travis O., Kansas City, Mo., assignor, by mesne assignments, to Arbee Products Company, Kansas City, Kans. Refuse bag support. 2,459,970, Jan. 25.
- Smith, Vaughn R.: See—
Hampton, William H., and Smith.
- Smith, Vaughn R., El Cerrito, and D. E. Stevens, Fairfax, assignors to California Research Corporation, San Francisco, Calif. Water-in-oil emulsion paints containing a leading pigment. 2,461,352, Feb. 8.
- Smith, Verner F., Lawrence, Kans. Flush tank. 2,486,336, Oct. 25.
- Smith, Victor G.: See—
Monroe, Charles Z., and Smith.
- Smith, Virgil A., and W. F. Seign, Moorhead, Minn. Hayrake. 2,487,488, Nov. 8.
- Smith, Waldo G.: See—
Miller, John W., and Smith.
- Smith, Walter E., Ventura, Calif. Pitch changing device for musical instruments. 2,487,193, Nov. 8.
- Smith, Walter E., Willcox, Ariz. Attachment for stringed musical instruments. 2,487,192, Nov. 8.
- Smith, Walter H., Sr., assignee: See—
Humrichouse, Walter E., and Davis B.
- Smith, Walter M., San Diego, Calif. Collision switch. 2,475,728, July 12.
- Smith, Warren A.: See—
Richardson, Arthur T., and Smith.
- Smith, Warren M., Baton Rouge, La., assignor to Standard Oil Development Company. Two-stage hydrogenation treatment for hydrocarbon oils. 2,459,465, Jan. 18.
- Smith, Warren M., and R. B. Mason, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrogenation of olefin polymer liquids. 2,488,145, Nov. 15.

- Smith, Wayne, Decatur, Ga. Sanding or buffing device. 2,492,372, Dec. 27.
- Smith, Wayne E.: *See—*
Morgan, John D., Merley, and Smith.
- Smith and Wesson, Inc., assignee: *See—*
Norman, Joseph W., and Hellstrom.
- Smith Welding Equipment Corporation, assignee: *See—*
Smith, Elmer H.
- Smith, Wheeler B., Detroit, Mich. Tape holder. 2,469,247, May 3.
- Smith, Wilfred I., Chicopee Falls, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Top safety device for rifles. 2,465,699, Mar. 29.
- Smith, Will K., Arcadia, Calif. Hoe attachment for rakes. 2,469,012, May 3.
- Smith, Will O.: *See—*
Smith, Elizabeth E. and W. O.
- Smith, Willard F., Brooks, Calif. Adjustable riddle. 2,484,318, Oct. 11.
- Smith, William A.: *See—*
Burke, William E., Smith, and Manning.
White, Gerald, and Smith.
- Smith, William B., Lawrenceville, Ill. Wheel cradle. 2,484,534, Oct. 11.
- Smith, William E., assignee: *See—*
Bohener, Victor R. W.
- Smith, William E., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Automatic welding machine. 2,466,497, Apr. 5.
- Smith, William F.: *See—*
Stauffer, Robert E., and Smith.
- Smith, William F., Brooklyn, assignor to International Standard Electric Corporation, New York, N. Y. Bank strip welding machine. 2,474,285, June 28.
- Smith, William F. and A. P. H. Trivelli, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitor for photographic emulsions. 2,472,626, June 7.
- Smith, William F., and R. E. Stauffer, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitor for photographic emulsions. 2,472,627, June 7.
- Smith, William H., deceased, late of Clifton Forge, Va., by M. V. Eudaley, executrix, Hot Springs, Va. Circular and crosscut saw gummer and sharpener. 2,479,978, Aug. 23.
- Smith, William L., Bremerton, Wash. Shaft taper gauge. 2,460,854, Feb. 8.
- Smith, William L., Savannah, Ga. Automatic sludge control for sedimentation tanks. 2,467,409, Apr. 19.
- Smith, William N., Dallas, Tex. Stripper type cotton harvester. 2,491,777, Dec. 20.
- Smith, William O., Freeport, assignor, by mesne assignments, of thirty-three and one-third per cent to E. R. Bennett, Brazoria, Tex. Machine for deheading shrimp. 2,491,778, Dec. 20.
- Smith, William R.: *See—*
Glassmire, William F., Smith, Haskell, and Danskin.
- Smith, William R., Carlsbad, N. Mex. Reversible disk plow. 2,485,932, Oct. 25.
- Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Vapor generation and puffing with audible effects in toys. 2,461,664, Feb. 15.
- Smith, William V., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,462,137, Feb. 22.
- Smith, William W., Houston, Tex. Outside pipe cutter. 2,462,230, Feb. 22.
- Smith, Willis E., Springfield, Oreg. Filler gun. 2,459,296, Jan. 18.
- Smith, Winthrop C., Elizabeth, N. J., assignor to Standard Oil Development Company. Adhesion of butyl rubber to metal. 2,471,905, May 31.
- Smith, Winthrop C., Westfield, N. J., assignor to Standard Oil Development Company. Esters of azelaic acid as plasticizers for rubberlike polymers. 2,469,748, May 10.
- Smith, Winthrop C., Westfield, N. J., assignor to Standard Oil Development Company. Rubbery isoolefin copolymer composition of improved cold resistance. 2,487,278, Nov. 8.
- Smith, Yates D., assignee: *See—*
Maltba, I. Lee.
- Smith, Yvon D., San Francisco, Calif. Rotatable counter chair. 2,468,379, Apr. 26.
- Smithells, Colin J., Gerards Cross, England, assignor to Baker & Company Incorporated, Newark, N. J. Catalytic oxidation of ammonia to oxides of nitrogen. 2,467,446, Apr. 19.
- Smith-Johannsen, Robert, Schenectady, and B. Vonnegut, Alplaus, N. Y., assignors to General Electric Company. Manufacture of ice. 2,491,837, Dec. 20.
- Smits, Wiltze B., Voorburg, assignor to Smitsvank N. V., The Hague, Netherlands. Spark gap and lamp. 2,481,887, Sept. 13.
- Smits, Wiltze B., Wassenaar, Netherlands. Electrical ignition system, particularly adapted for combustion engines. 2,478,672, Aug. 9.
- Smitsvank N. V., assignee: *See—*
Smits, Wiltze B.
- Smoke, Thomas A., Lakewood, N. J. Electric automatic soldering iron. 2,466,056, Apr. 5.
- Smola, Robert, Afton, Mo. Bottle carrier. 2,463,916, Mar. 8.
- Smolderen, Ferdinand V., Mount Vernon, N. Y., and J. P. Cody, Bernardsville, N. J., assignor to Refined Syrups & Sugars, Inc., Yonkers, N. Y. Supporting rack. 2,467,866, Apr. 19.
- Smoluchowski, Roman, Pittsburgh, Pa., assignor to General Electric Company. Piezoelectric crystal holder. 2,460,153, Jan. 25.
- Smoluchowski, Roman, Pittsburgh, Pa., assignor to General Electric Company. Magnetostrictive device. 2,476,778, July 19.
- Smoluchowski, Roman, Schenectady, N. Y., assignor to General Electric Company. Thin-walled Geiger-Müller counter. 2,465,821, Mar. 29.
- Smoot, Roy W., Springfield, Ohio. Colostomy receptor. 2,458,308, Jan. 4.
- Smucker, Daniel M., Harrisonburg, Va. Dry mash feed hopper. 2,485,173, Oct. 18.
- Smuckler, A. F., assignee: *See—*
Kennedy, Arthur.
- Smuckler, A. F., & Company, assignee: *See—*
Kennedy, Arthur.
- Smullin, Louis D.: *See—*
Hollingsworth, Lowell M., and Smullin.
- Smullin, Louis D., Arlington, and J. B. Wiesner, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Transmit receive switching system for pulse communication systems. 2,478,332, Aug. 9.
- Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Fluid transmission connection for cleaner wipers. 2,483,243, Sept. 27.
- Smutz, Walter D., Bedford, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anisole manufacture. 2,490,842, Dec. 13.
- Smyers, William H., assignee: *See—*
Young, David W., and Smyers.
- Smyers, William H., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Insulated conductor. 2,469,416, May 10.
- Smylie, Avie F., Houston, Tex. Needle for sewing braided rugs. 2,472,990, June 14.
- Smyser, Willis M., and S. C. Rheberg, Washington, D. C. Key container. 2,481,359, Sept. 6.
- Smyth, Charles N.: *See—*
Morgan, George B., and Smyth.
- Smyth, Charles N., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic cathode. 2,485,668, Oct. 25.
- Smyth, Charles N., and A. S. Grant, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Voltage control arrangement. 2,459,846, Jan. 25.
- Smythe, Carl V., Moorestown, N. J., and B. B. Drake, assignors to Röhm & Haas Company, Philadelphia, Pa. Fungal lipase. 2,480,090, Aug. 23.
- Smythe, Josias F., Portland, Oreg. Closure support. 2,468,242, Apr. 26.
- Snape, Edwin A., Jr., Philadelphia, Pa. Card clothing. 2,488,442, Nov. 15.
- Snap-On Drawer Co., assignee: *See—*
Hake, Elmer C.
- Snead, Earl, Milwaukee, Wis. Sock supporter. 2,480,784, Aug. 30.
- Sneath, D. W., assignee: *See—*
Mitton, Robert E.
- Snedaker, Frank C., & Co., Inc., assignee: *See—*
Kopplin, Karl.
- Sneed, John, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake control mechanism and steering gear control therefor. 2,474,961, July 5.
- Sneed, John, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Self-energizing disk brake. 2,478,333, Aug. 9.
- Snell, Foster D., and R. L. Shapiro, New York, N. Y., assignors to Foster D. Snell, Inc. Water sterilizer. 2,463,327, Mar. 1.
- Snell, Foster D., Inc., assignee: *See—*
Cartwright, Leonard C.
Phillips, George R.
Schoenholz, Daniel, and Kresser.
Snell, Foster D., and Shapiro.
Snell, Samuel A.
- Snell, Harold T., El Paso, Tex. Fluid velocity governor. 2,462,785, Feb. 22.
- Snell, Jacob K., Schenectady, N. Y., assignor to General Electric Company. Receptacle mounting and closure fastener. 2,492,769, Dec. 27.
- Snell, Philip A., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electron gun. 2,467,506, Apr. 19.
- Snell, Raymond L.: *See—*
Schweiger, Leonard B., and Snell.
Woodward, John C., and Snell, and Nicholls.
- Snell, Raymond L., and L. B. Schweiger, assignors to Miles Laboratories, Inc., Elkhart, Ind. Production of citric acid by fermentation. 2,492,667, Dec. 27.

- Snell, Samuel A., deceased, late of Jackson, Mich., by The Commerce Guardian Bank, Toledo, Ohio, now by change of name, Commerce National Bank of Toledo, executor; assignor to S. W. Snell, trustee. Torque absorber for speed reducing purposes and the like. 2,484,913, Oct. 18.
- Snelling, Henry B. W., Concord, Mass. Overshoe with lining for shining shoes. 2,458,438, Jan. 4.
- Snelling, Walter O., Allentown, Pa. Chewing gum. 2,484,859, Oct. 18.
- Snelling, Walter O., Allentown, Pa. Chewing gum. 2,484,860, Oct. 18.
- Sneva, Ingolf, assignor to W. F. Meyers Company, Bedford, Ind. Radius-angle former. 2,463,126, Mar. 1.
- Snider, Alva V.: *See*—
Morris, Rupert C., and Snider.
Morris, Rupert C., Snider, and Bishop.
- Snider, Alva V., Richmond, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Amino trimethyl hexanoic acids and their lactams. 2,462,008, Feb. 15.
- Snively, Ralph B.: *See*—
Huffman, Hal P., and Snively.
- Snoddy, Leland B.: *See*—
Masket, Albert V., Snoddy, and Beams.
- Snodgrass, Jerry R.: *See*—
Hull, David C., and Snodgrass.
- Snook, Benjamin H., Denver, Colo. Heating jacket for cooking utensils. 2,483,069, Sept. 27.
- Snook, Harry N.: *See*—
Grasso, Vito C., and Snook.
Harris, Fred E., Hegeman, Mitchell, and Snook.
- Snow, Alvah L.: *See*—
Elwell, William E., and Snow.
- Snow, Charles B.: *See*—
Nordberg, Oscar, and Snow.
- Snow, Floyd E., assignor to Technical Coatings, Inc., Pasadena, Calif. Vent construction for airplane fuel tanks. 2,460,368, Feb. 1.
- Snow, Howard, Charlotte, N. C., assignor to Southern Friction Materials Company. Phenol aldehyde-petroleum pitch-drying oil impregnating composition. 2,485,327, Oct. 18.
- Snow, Howard, and J. D. Hill, Charlotte, N. C., assignors to Southern Friction Materials Company. Preparation of composition fabric material. 2,484,756, Oct. 11.
- Snow, Howard, and R. H. Hocutt, Charlotte, N. C., assignors to Southern Friction Materials Company. Rotating and revolving brush means for preparing fibrous molding compositions. 2,484,966, Oct. 18.
- Snow, John E.: *See*—
Barth, Robert H., and Snow.
- Snow, Kenneth T., assignee: *See*—
Olson, Raymond G.
- Snow, Kilbourn H., Concord, assignor to The Sparks-Withington Company, Jackson, Mich. Deep well cooker for electric stoves having elevatable heating element. 2,485,990, Oct. 25.
- Snow-Nabstedt Gear Corporation, The, assignee: *See*—
Berndtson, John O.
- Snow, Robert T., Van Nuys, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Drain valve. 2,487,194, Nov. 8.
- Snow, Zelman E., Arvada, Colo. Clamp. 2,457,931, Jan. 4.
- Snowden Chemical Company, assignee: *See*—
Snowden, Ward E.
- Snowden, Ward E., assignor to Snowden Chemical Company, Modesto, Calif. Dry chemical fire extinguisher. 2,473,349, June 14.
- Snyder, Antone R., Morton, Wyo. Rock saw. 2,486,765, Nov. 1.
- Snyder, Ballard F., Spokane, Wash. Hydraulic pump. 2,490,484, Dec. 6.
- Snyder, Charles A., Philadelphia, Pa. Telescoping tube screw jack. 2,458,961, Jan. 11.
- Snyder Chemical Corporation, assignee: *See*—
Snyder, Francis H.
- Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for increasing the corrosion resistance of ferrous metals. 2,471,907, May 31.
- Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for preparing surfaces of ferrous metals for the reception of a siccative finishing coat. 2,471,908, May 31.
- Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for protecting and conditioning metal surfaces. 2,473,614, June 21.
- Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and materials for treating surfaces of iron, zinc, and alloys of each. 2,479,423, Aug. 16.
- Snyder, Eugene L., Canton, assignor to the Hoover Company, North Canton, Ohio. Suction cleaner. 2,458,309, Jan. 4.
- Snyder, Francis H., New Rochelle, N. Y., assignor to Snyder Chemical Corporation, Bethel, Conn. Production of modified carbamide resins. 2,483,854, Oct. 4.
- Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Balanced loom operation. 2,459,595, Jan. 18.
- Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage generator. 2,467,784, Apr. 19.
- Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay system. 2,473,916, June 21.
- Snyder, Harold H., Great Falls, Mont. Pipe-bending tool. 2,464,002, Mar. 8.
- Snyder, Harold H., Mount Lebanon, and S. A. Forter, Avalon, Pa., assignors, by mesne assignments, to Glafent Corporation. Apparatus for straightening articles that soften under heat. 2,463,650, Mar. 8.
- Snyder, Harold R.: *See*—
Stewart, John M., and Snyder.
- Snyder, Harold R., Urbana, Ill., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing amino acids. 2,478,788, Aug. 9.
- Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Berkeley, Calif., assignors to Phillips Petroleum Company. Beta mercapto thioethers. 2,490,984, Dec. 13.
- Snyder, Harold R., Urbana, Ill., and J. M. Stewart, Missoula, Mont., assignors to Phillips Petroleum Company. Olefin sulfide addition products. 2,490,985, Dec. 13.
- Snyder, Howard K.: *See*—
Jennings, Robert E., and Snyder.
- Snyder, Ivan M., Rockford, Ill. Miniature golf game. 2,478,949, Aug. 16.
- Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Delustering copolymer filaments. 2,476,069, July 12.
- Snyder, James E., Camp Carson, Colo., assignor to Wingfoot Corporation, Akron, Ohio. Wrapped cigar package and wrapping. 2,491,422, Dec. 13.
- Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Package. 2,491,423, Dec. 13.
- Snyder, John F., Glendale, Calif. Shear sharpener. 2,476,463, July 19.
- Snyder, Joseph A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing contaminants from cracking catalysts. 2,481,253, Sept. 6.
- Snyder, Joseph A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Regeneration of catalyst. 2,488,744, Nov. 22.
- Snyder, Kirby T., Los Angeles, Calif. Foldable prop. 2,486,218, Oct. 25.
- Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Massage vibrator. 2,468,949, May 3.
- Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Electric vibrator. 2,470,660, May 17.
- Snyder, Leland H., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill. Bubble fountain device. 2,474,286, June 28.
- Snyder, Leland H., and K. D. Yost, Chicago, Ill., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Portable electric motor or the like. 2,477,150, July 26.
- Snyder, Leonard L.: *See*—
Carlton, Frank, and Snyder.
- Snyder, Ory L., Newark, N. Y., assignor of forty-nine per cent to The Dexter Company, Fairfield, Iowa. Caster. 2,472,686, June 7.
- Snyder, Oscar H., San Francisco, Calif. Garment hanger. 2,469,481, May 10.
- Snyder, Richard L., Jr., New York, N. Y., assignor to Radio Corporation of America. Storage tube. 2,470,875, May 24.
- Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Light interference distance measuring device having photoelectric means. 2,462,292, Feb. 22.
- Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Storage type cathode-ray tube. 2,464,420, Mar. 15.
- Snyder, Richard L., Jr., and J. A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America. Electronic computer. 2,471,788, May 31.
- Snyder, Robert E., Los Angeles, Calif. In-line fluid pump. 2,470,794, May 24.
- Snyder, Robert E., Los Angeles, Calif. Solar heated vacuum still. 2,490,659, Dec. 6.
- Snyder, Roy R., Augusta, Maine. Transmission of rotary motion by single homopolar dynamoelectric machine. 2,490,554, Dec. 6.
- Snyder, Russel D., assignor to Crane Packing Company, Chicago, Ill. Bellows shaft seal protector. 2,467,239, Apr. 12.
- Soag Machinery Company, Soag Machine Tools Ltd., (Proprietors), assignee: *See*—
Edler, Otto.
- Soave, John, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Apparatus for and method of manufacturing slide fasteners. 2,468,643, Apr. 26.
- Sobel, Morris: *See*—
Hood, Arthur, Sobel, and Terhune.
- Soberg, Arnold S., Maywood, assignor to Sochris Development Company, Chicago, Ill. Deep well pump. 2,486,617, Nov. 1.
- Sobilo, Stanley, Hammond, Ind. Magnetic sine bar. 2,491,339, Dec. 13.

- Sobota, John, assignor to Fort Howard Paper Company, Green Bay, Wis. Evaluating paper toweling or the like. 2,469,013, May 3.
- Soccoli, Dom D., New Britain, Conn. Self-righting cigarette holder. 2,484,757, Oct. 11.
- Sochris Development Company, assignee: *See—*
Soberg, Arnold S.
- Socier, Curtis L., Hampton Township, Bay County, Mich. Potato cutting device. 2,464,898, Mar. 22.
- Società Italiana Ernesto Breda Per Costruzioni Meccaniche, assignee: *See—*
Pianta, Ubaldo.
- Società Tecnica Applicazioni Metalli Duri Ed Affini-S. T. A. M. A., assignee: *See—*
Marter, Hans.
- Société Anonyme A. B., G., assignee: *See—*
Philippe, Maurice.
- Société Anonyme Andre Citroen, assignee: *See—*
Levesque du Rostu, Georges.
- Société Anonyme de Matieres Colorantes et Produits Chimiques Francolor, assignee: *See—*
Kopp, Georges, and Gangneux.
- Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See—*
Bluma, René.
Delorme, Jean, and Bluma.
De Vaissiere, Alfred J. D. H. M.
Sans, Marcel, Linizan, and Michon.
- Société Anonyme des Usines Chausson, assignee: *See—*
Chausson, Gaston.
- Société Anonyme d'Innovations Chimiques dite: Sinnova ou Sadic, assignee: *See—*
Blinoff, Vsevolod.
- Société Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, assignee: *See—*
Heldmann, Leon.
- Société Anonyme dite: Louvroil-Montbard-Aulnoye, assignee: *See—*
Marecaux, Paul.
- Société Anonyme dite: Société d'Innovations Chimiques dite: Sinnova ou Sadic, assignee: *See—*
Bert, Léonce, Procoffieff, and Blinoff.
- Société Anonyme "La Mure"-Combustibles et Industrie, assignee: *See—*
Lemaire, Edouard A.
- Société Anonyme L'Auxiliaire Industrielle, assignee: *See—*
Laraque, Roland.
- Société Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et, Silva, assignee: *See—*
Penon, René.
- Société Anonyme Solex, assignee: *See—*
Griffin, Gaston.
- Société Anonyme Teco, assignee: *See—*
Theurissen, Francois J. M.
- Société Bernard-Moteurs, Rueil-Malmaison, assignee: *See—*
Passelégue, Gilbert.
- Société Civile d'Etudes & Inventions Liber (S. E. I. L. I. B.), assignee: *See—*
Liber, Henri S.
- Société Civile d'Etude des Inventions et Procédés Philippe, assignee: *See—*
Philippe, Maurice.
- Société Civile d'Etudes Thermo-Mécaniques, assignee: *See—*
Mercier, Ernest, and Ehlinger.
- Société D'Applications Nouvelles D'Electricité et de Mécanique (S. A. N. E. M.), assignee: *See—*
Zahner, Gilbert, and Cherouvrier.
- Société D'Electro-Chimie, D'Electro-Metallurgie et Des Acieries Electriques D'Ugine, assignee: *See—*
Greffe, Andre.
Jollivet, Henri.
Neel, Louis.
- Société d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, assignee: *See—*
Castro, Rene, and Lebet.
- Société des produits chimiques des terres rares, assignee: *See—*
Genas, Michailas.
- Société des Usines Chimiques Rhone-Poulenc, assignee: *See—*
Bouvier, Maurice E., and Mosnier.
Charpentier, Paul.
Cosar, Charles.
Durel, Pierre, and Dubost.
Fluchaire, Maurice L. A., and Javorsky.
Grunfeld, Maximilien, and Batigne.
Grunfeld, Maximilien, and Cottet.
Horclois, Raymond J.
Mosnier, Michel M.
Paul, Raymond, and Roy.
Tchelitcheff, Serge.
- Société d'Etudes et de Participations, Eau, Gaz, Electricité, Energie S. A., assignee: *See—*
Horgen, Helge B.
Huber, Robert.
- Société d'Etudes et de Réalisation des Brevets Descombes, assignee: *See—*
Descombes, Julien A.
- Société d'Exploitation de Brevets, assignee: *See—*
Petit, Jean F. G.
- Société Dite: Saint Freres (Société Anonyme), assignee: *See—*
Pelce, Henri.
- Société Electro-Mécanique De L'Aveyron S. A., assignee: *See—*
Bessiere, Pierre E.
- Société Etablissements Poron, assignee: *See—*
Vin, René.
- Société Fabrications Unicum, assignee: *See—*
Perruca, Felix.
- Société Française de Construction de Bennes Automatiques, assignee: *See—*
Allard, Pierre J. M. T.
- Société Française Radio-Electrique, assignee: *See—*
Besson, Andre.
Danzin, André.
Danzin, Andre, and Despois.
Hardy, René J.
Lecuir, René.
Martin Jean.
Saucet, Henri.
Thibieroz, Laurent.
Torcheux, Emile.
Toussaint, Maurice.
- Société française Sadir Carpentier, assignee: *See—*
Gloss, Paul F. M.
Potier, Gaston.
- Société Generale d'Applications Therapeutiques "Theraplix," assignee: *See—*
Farrod, Jacques, and Armand.
- Société Generale de Machines et Brevets, assignee: *See—*
Toulon, Pierre M. G.
- Société Generale des Huiles de Petrole, assignee: *See—*
Champagnat, Alfred.
Champagnat, Alfred, and Willer.
- Société Genevoise d'Instruments de Physique, assignee: *See—*
Mottu, André.
Turrettini, Fernand.
Turrettini, Fernand W.
- Société Industrielle Generale de Mécanique Appliquée (S. I. G. M. A.), assignee: *See—*
Müller, Géza W.
- Société Le Carbone Lorraine, assignee: *See—*
Oswald, Marcel V.
- Société L'Entreprise Industrielle, assignee: *See—*
Montagne, Elisee.
- Société: Les Fils de Peugeot Freres, assignee: *See—*
De la Source, Charles.
- Société Nationale de Constructions Aeronautiques Du Nord, assignee: *See—*
Rechain, Eugene.
- Société Nationale De Constructions Aeronautiques Du Sud-Ouest (Société Anonyme), assignee: *See—*
Maillard, Francis H. M. J., Laville, and Beziaud.
- Société Novacel, assignee: *See—*
Drisch, Nicolas.
- Société Pompes Noel, assignee: *See—*
Cavallier, Jean A.
- Société pour L'Exploitation des Brevets M. G. D., assignee: *See—*
Gérardin, Maurice.
- Société Rateau (Société Anonyme), assignee: *See—*
Imbert, Roger J., and Sedille.
Sédille, Marcel H. L.
- Société Rhodiacta assignee: *See—*
Corbière, Paul C. E. J., and Stuchlik.
- Société "Rhodiacta," assignee: *See—*
Corbière, Paul C. E. J.
Mouchiroud, Antoine F. G., and Trillat.
- Société Union D'Electricité S. A., assignee: *See—*
Robert, Roger J.
- Sociétés Reunies Everite-Sitube, assignee: *See—*
Contenson, Jean L. A.
- Society Brand Clothes, Inc., assignee: *See—*
Decker, Ted S.
- Society Entreprises Metropolitaines & Coloniales, S. A., assignee: *See—*
Blondelle, Abel L. C.
- Society said: La Precision Moderne, The, assignee: *See—*
Ricordel, Auguste L.
- Socin, Francis C., St. Charles Township, Kane County, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano construction. 2,486,337, Oct. 25.
- Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Cutting blanks. 2,458,538, Jan. 11.
- Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Can stacking machine. 2,470,795, May 24.
- Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Apparatus for perforating metallic strips. 2,472,863, June 14.
- Socolofsky, John F.: *See—*
Berger, Henry G., Crandall, and Socolofsky.
Plank, Charles J., and Socolofsky.
- Socony-Vacuum Oil Company, assignee: *See—*
Nygaard, Edwin M., and McCracken.

Socony-Vacuum Oil Company, Incorporated, assignee:
See—

Abrams, Armand J.
Armstrong, Eldon L., and Beman.
Augustine, Frederick B.
Badertscher, Darwin E., and Bishop.
Berger, Henry G., Crandall, and Socolofsky.
Bergstrom, Eric V.
Bishop, Richard B.
Bishop, Richard B., and Denton.
Blair, Allen H.
Bodkin, Ernest A.
Bodkin, Ernest A., and Johnson.
Boudreaux, Lloyd E., and Fore.
Boudreaux, Lloyd E., and Mitchell.
Branson, Otis L.
Brockman, Frank G., and Wescott, 2nd.
Brooks, John W.
Brooks, John W., and Lukasiewicz.
Burg, Martin S.
Burkhard, Myron J.
Butcoske, Richard A., and White.
Cabal, Albert V., and Oliver.
Caesar, Philip D., and Badertscher.
Caesar, Philip D., and Sachanen.
Caesar, Philip D., and Waldo.
Carmody, Don R.
Cauley, Stephen P.
Clewell, Dayton H.
Coonrad, Harry L.
Coonrad, Harry L., and Hartough.
Cranmer, John M.
Crandall, George S.
Crowley, Duncan J., and Kosak.
Crowley, John A., Jr.
Dahn, Cornelius G.
Dart, Jack C., Kuhn, Jr., Penick, and Wagner.
Denton, William I., and Bishop.
Eastwood, Sylvander C.
Edwards, Roy T., and Killingsworth.
Evans, Louis P.
Feasley, Charles F., and Hartough.
Ferguson, Leslie L.
Flemming, Cecil D., and Mapes.
Folda, Bert, Jr.
Fontana, Celeste M., and Gorin.
Francis, Alfred W.
Frank, Frederick C.
Fuller, Everett W., and Johnson.
Giammaria, John J.
Glassbrook, Clarence I., and Hansford.
Gorin, Everett, and Oblad.
Gorin, Everett, and Vorwerck.
Gorin, Manuel, and Everett.
Gorin, Manuel H., and Abrams.
Gorin, Manuel H., and Swerdloff.
Hadden, Stuart T.
Hagerbaumer, William A.
Hansford, Rowland C., and Caesar.
Harrington, George A.
Hart, James A., Hollis, and Randolph.
Hartough, Howard D.
Hartough, Howard D., and Chung.
Hartough, Howard D., and Coonrad.
Hartough, Howard D., and Kosak.
Hartough, Howard D., Kosak, and Reid.
Hartough, Howard D., Lukasiewicz, and Kosak.
Hermanson, Donald A.
Hermanson, Donald A., and Biles.
Hochgesang, Frank P., and Schlesman.
Holm, Herbert K.
Johnson, George C.
Johnson, George C., and Kellett, III.
Johnson, George C., and Rope.
Johnson, George C., and Schick.
Kellett, John, III, and Rasmussen.
Kelly, Hugh S., Jr.
Killingsworth, Robert B.
Kinney, Robert E., and Gorin.
Kosak, Alvin I., and Hartough.
Lechthaler, Charles H., Payne, and Valas.
Lee, Russell, and Ray.
Long, William C., and Button.
Loper, George B.
Lukasiewicz, Sigmund J., and Sachanen.
Mapes, Gerard S., and Sudholz.
Marisic, Milton M.
Marisic, Milton M., Denton, and Bishop.
Marisic, Milton M., and Griest.
Marisic, Milton M., and Schmitt.
Marisic, Milton M., Schmitt, and Frank.
McCracken, John H., and Crandall.
McGuckin, Glenn M.
McNab, George A.
Messenger, Joseph E.
Nygaard, Edwin M., Denton, and Bishop.
Oberright, Edward A.
Oblad, Alex G., and Messenger.
Otto, Ferdinand P.
Otto, Ferdinand P., and Meyer.
Pabst, Arthur C., Griffiths, and Killingsworth.
Pattillo, Ivan E.
Paune, John W., and Lechthaler.
Payne, John W.

Socony-Vacuum Oil Company, Incorporated, assignee:
See—Continued.

Payne, John W., Johnson, and Bodkin.
Plank, Charles J.
Plank, Charles J., and Socolofsky.
Ray, Frederick E.
Reiff, Orland M., and Andress.
Reiff, Orland M., and Andress, Jr.
Reiff, Orland M., and Hartough.
Reiff, Orland M., Hartough, and Andress, Jr.
Reiff, Orland M., and Moore.
Reiff, Orland M., Otto, Gimmara, and Oberright.
Richter, Frederick P.
Richter, Frederick, and Fuller.
Rittershausen, Ernst P.
Roehner, Theodore G., and Murray.
Schick, John W.
Schick, John W., and Hartough.
Schlesman, Carleton H.
Schlesman, Carleton H., and Fawcett.
Seger, Francis M., and Sachanen.
Shaffer, Clarence E.
Simpson, Thomas P.
Simpson, Thomas P., Payne, and Crowley, Jr.
Sinclair, Edward L.
Sinclair, Edward L., and Utterback.
Smith, Robert L., Crowley, and Waldo.
Stevens, Nelson F.
Stover, William A.
Trigg, Hastings S., Norris, and White.
Utterback, Ernest.
Utterback, Ernest, and Bergstrom.
Van Horn, Harry T., and Koppenhoefer.
Weisz, Paul B.
White, Ralph V., and Coonrad.
Wilson, Robert C., Jr.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Treatment of hydrocarbon resins and products thereof. 2,461,004, Feb. 8.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Stabilized indene and alkyl indene resins. 2,462,684, Feb. 22.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Resin composition. 2,468,413, Apr. 26.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Hydrogenated hydrocarbon resin and resin compositions. 2,468,414, Apr. 26.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Rubber plasticizer composition. 2,471,789, May 31.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Polystyrene type resins plasticized with ether alcohol ester. 2,475,299, July 5.
Sodders, Otis D., Jamestown, Ohio. Hog feeder. 2,484,967, Oct. 18.
Soderberg, Carl R., Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Rotor construction for turbines. 2,461,242, Feb. 8.
Soderberg, Carl R., Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Diaphragm seal for turbines. 2,461,243, Feb. 8.
Soderberg, John A., assignor to Parker Manufacturing Company, Worcester, Mass. Pinking shears. 2,492,121, Dec. 20.
Söderholm, Arne: See—
Hedstrom, Sven E., and Soderholm.
Soderholm, Robert E., Worthington, Minn. Swing. 2,478,673, Aug. 9.
Soderlund, Philip O.: See—
Eaton, Frank L., Jr., and Soderlund.
Soderman, Arthur A., Los Angeles, Calif. Air conditioning apparatus. 2,483,509, Oct. 4.
Soderman, George W., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material cutting apparatus. 2,482,379, Sept. 20.
Soderquist, Frederick J.: See—
Amos, James L., and Soderquist.
Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company, Akron, Ohio. Safety mechanism for vulcanizers. 2,482,072, Sept. 13.
Soenksen, Edwin J., De Witt, Iowa. Attachment for grass and weed cutters. 2,489,730, Nov. 29.
Soens, Michael, Racine, Wis. Can attachment for paintbrush control. 2,487,990, Nov. 15.
Soergel, Oscar, Chicago, Ill. Hair retainer or barrette. 2,475,998, July 12.
Soffel, Peter J., Pittsburgh, Pa. Exothermically reactive mold insert. 2,490,327, Dec. 6.
Sogas, Christos M., and S. M., Kansas City, Mo. Packaging for candy canes. 2,476,923, July 19.
Sogas, Sam M.: See—
Sogas, Christos M. and S. M.
Sogorka, Zoltan J., Alhambra, Calif. Drain valve. 2,467,635, Apr. 19.
Sohn, Alfred L., Van Nuys, Calif. Smoking pipe cleaner. 2,473,180, June 14.
Sohn, Arthur G.: See—
Sohn, Carl R., and Arthur G.
Sohn, Carl R., and A. G., Chicago, Ill. Bed mattress. 2,471,125, May 24.
Sohn, Lee, Sunnyside, N. Y. Child's wheeled chair. 2,488,681, Nov. 22.

- Sohr, Frederick F., assignee: *See*—
Sohr, Kenneth F.
- Sohr, Gordon R., assignee: *See*—
Sohr, Kenneth F.
- Sohr, Kenneth F., assignor to G. R. and F. F. Sohr, Racine, Wis. Fishing float. 2,476,633, July 19.
- Solassa, John A., Winnetka, assignor to Certain-teed Products Corporation, Chicago, Ill. Apparatus for feeding flowable material from a plurality of containers. 2,460,605, Feb. 1.
- Sokol, Herman, Hasbrouck Heights, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Production of trioxane. 2,465,489, Mar. 29.
- Sokol, Leo C., Duncan, Nebr. Material loader and control. 2,485,933, Oct. 25.
- Sokol, Vincent G., Yonkers, N. Y. Braiding machine. 2,464,899, Mar. 22.
- Sokolik, Edward, New Brighton, Minn. Swivel for electric cables. 2,466,499, Apr. 5.
- Sokolik, Edward, New Brighton, Minn. Sheet aligning rack. 2,468,275, Apr. 26.
- Sokolik, Edward, New Brighton, Minn. Swivel for electric cables. 2,474,070, June 21.
- Sokolik, Edward, New Brighton, Minn. Section lining device. 2,477,212, July 26.
- Sokolik, Edward, New Brighton, Minn. Pneumatic tire and tire rim. 2,482,221, Sept. 20.
- Sokoloff, Louis, Chicago, Ill. Electrical resistor for lamp sockets. 2,463,816, Mar. 8.
- Sokoloff, Paul W.: *See*—
Ostlund, Evert M., and Sokoloff.
- Sola, Joseph G., River Forest, assignor, by mesne assignments, to Chicago Title and Trust Company, Chicago, Ill. Electrical apparatus. 2,489,245, Nov. 22.
- Solana, Carlos G., Brooklyn, and J. Casingena, assignors to H. B. Levine, New York, N. Y. Flocking device. 2,459,396, Jan. 18.
- Solar Aircraft Company, assignee: *See*—
Bitt, Paul A., and Sprenger.
Burger, Lewis E., and Skinner.
Harvey, George W.
Johnson, Arthur D.
Pitt, Paul A.
Pitt, Paul A., and Moe.
Porter, Elbert H., and Bushway.
- Solar Corporation, assignee: *See*—
Castner, George P.
Mertz, Harry J.
Weiby, Alfred C.
- Solar Engineering & Equipment Co., assignee: *See*—
Martin, Bradford.
- Solar Manufacturing Corporation, assignee: *See*—
Komm, Paul M.
- Soldan, Lewis E., Chicago, Ill. Vibratory equipment. 2,484,191, Oct. 11.
- Soley, William A., Jr., Melrose, Mass., assignor to General Electric Company. Welding current transformer connection. 2,464,061, Mar. 8.
- Sollenberger, Lester D.: *See*—
Broussard, Robert F., and Sollenberger.
- Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Mateo, Calif. Secondary electron emission tube. 2,458,539, Jan. 11.
- Solliday, Raymond E.: *See*—
Hall, Lindsay S., and Solliday.
- Solliday, Raymond E., assignor to Wingfoot Corporation, Akron, Ohio. Automatic width control and fabric guide. 2,476,070, July 12.
- Solliday, Raymond E., and J. T. Gordon, assignors to Wingfoot Corporation, Akron, Ohio. Cord processing apparatus. 2,464,536, Mar. 15.
- Sollinger, Ferdinand P.: *See*—
Lundquist, Wilton G., and Sollinger.
- Solloway, Harry: *See*—
Bonkowski, Teofil L., and Solloway.
- Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Francisco, Calif.; N. A. Woodin, executrix of said W. H. Woodin, Jr., deceased. Electron tube. 2,475,644, July 12.
- Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., deceased, San Mateo, Calif.; N. A. Woodin, executrix. Electron tube. 2,477,667, Aug. 2.
- Solmsen, Ulrich V., and J. Lee, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Salts of tocopheryl phosphoric acid esters. 2,457,932, Jan. 4.
- Solo Products Corporation, assignee: *See*—
Solomon, Nathan L., and Anderson.
Wahl, Albert S.
- Solomon, Joseph H., Columbia, Pa. Envelope moistener and sealer. 2,464,354, Mar. 15.
- Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Electronic control for welding machines. 2,469,934, May 10.
- Solomon, Louis, Chicago, Ill. Toy steering wheel and gear shift. 2,486,219, Oct. 25.
- Solomon, Nathan L., assignee: *See*—
Morins, Leon J. F.
- Solomon, Nathan L., Englewood, N. J. Barrette. 2,461,934, Feb. 15.
- Solomon, Nathan L., Englewood, and A. E. Anderson, Oradell, N. J., assignors to Solo Products Corporation. Curl setting device. 2,464,739, Mar. 15.
- Solomon, Nathan L., Englewood, N. J. Hairdressing device. 2,473,227, June 14.
- Solomon, William, London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Manufacture of complex organic antimony compounds. 2,473,735, June 21.
- Solon, Philip O., Oakland, Calif. Apparatus for producing surgical splints or casts. 2,483,715, Oct. 4.
- Soloos, Alf, and S. E. Nelsen, Tacoma, Wash. Air heater. 2,486,501, Nov. 1.
- Solovieff, George B.: *See*—
Russell, Fred J., and Solovieff.
- Soltess, Rudolph, Wheeling, W. Va. Multiple piston for internal-combustion engines. 2,458,111, Jan. 4.
- Solvay & Cie, assignee: *See*—
Gonze, Max.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus and forming same. 2,467,867, Apr. 19.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Making magnetic cores. 2,467,868, Apr. 19.
- Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electromagnetic induction heat-treating apparatus. 2,460,855, Feb. 8.
- Somers, Frank J., Jackson Heights, N. Y., assignor to Radio Corporation of America. Variable color filter assembly for television transmitting systems. 2,478,598, Aug. 9.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus and forming same. 2,477,350, July 26.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,483,159, Sept. 27.
- Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,486,220, Oct. 25.
- Somerville, Peter P., Muncy, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Lubricated wire rope. 2,485,019, Oct. 18.
- Somma, Raymond, Waterbury, Conn. Combined tube connector and tube flarer. 2,466,057, Apr. 5.
- Sommarruga, Hector, London, England. Saxophone. 2,471,290, May 24.
- Sommer, Carl, Copenhagen, Denmark, assignor to H. C. P. Dann, New York, N. Y. Lipstick container. 2,486,073, Oct. 25.
- Sommer, Harry J., LaFayette, assignor to Shell Development Company, San Francisco, Calif. Asphalt compositions. 2,478,162, Aug. 2.
- Sommer, Peter J., Jr., assignor to Size Control Company, Chicago, Ill. Lapping machine. 2,465,178, Mar. 22.
- Sommerhalter, Gustav O.: *See*—
Johnson, Oscar W., and Sommerhalter.
- Sommers, Melvin, assignee: *See*—
Feldman, Dave.
- Son, Anthony J., assignor to Sonco, Inc., Boston, Mass. Sterilizing tray for hypodermic needles and the like. 2,472,028, May 31.
- Son, Anthony J., assignor to Sonco, Inc., Mattapan, Mass. Dental syringe. 2,484,657, Oct. 11.
- Sonco, Inc., assignee: *See*—
Dunlap, Charles K.
Son, Anthony J.
- Sondern, Clarence W., Mendham, assignor to White Laboratories, Incorporated, Newark, N. J. Poultry feeding composition. 2,485,669, Oct. 25.
- Songer, Leo W., Scotia, N. Y., assignor to General Electric Company. Valve actuating mechanism. 2,490,555, Dec. 6.
- Sonn, Albert F., Cranston, R. I. Squeezer for tea bags. 2,483,985, Oct. 4.
- Sonneborn, L., Sons, Inc., assignee: *See*—
Bevevino, Angelo J.
Blumer, Manuel.
- Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Composite sequence filters for current-circuits. 2,459,596, Jan. 18.
- Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase-sequence voltage network. 2,470,661, May 17.
- Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vane type alternating current relay. 2,488,443, Nov. 15.
- Sonner, Edwin W., Jr., Queens Village, N. Y. Guard for fishing hooks. 2,482,881, Sept. 27.
- Sonnett, William J., and B. B. Stobbe, assignors to Ohio-Kentucky Manufacturing Company, Ada, Ohio. Baseball glove. 2,475,262, July 5.
- Sonneville, Roger, Paris, assignor to Usine des Ressorts du Nord, Levallois-Perret, France. Railway rail holding device. 2,480,388, Aug. 30.
- Sonnle, William C., North Perry, Ohio. Fixture for machine tools. 2,484,758, Oct. 11.
- Sonntag, Alfred, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Materials testing machine. 2,460,771, Feb. 1.
- Sonntag, Alfred, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Izod-charpy testing apparatus. 2,476,634, July 19.
- Sonntag, Frank, Wenatchee, Wash. Valve and screen. 2,465,404, Mar. 29.

- Sonntag, Hermann, Whittler, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Releasable load carrier for aircraft. 2,478,019, Aug. 2.
- Sonntag, John H., Dallas, Tex. Stove canopy and mounting. 2,487,607, Nov. 8.
- Sonntag, Orville C.: See—
Brachman, Philip R., and Sonntag.
- Sonoco Products Company, assignee: See—
Coker, Richard G., and Woods.
Dunlap, Charles K.
- Sonotone Corporation, assignee: See—
Baum, Jasper.
Rose, Morris E.
Schwerin, Paul.
Suesholtz, Herbert D., and Prognier.
- Sontheimer, Carl G., Stamford, Conn., assignor to Radio Corporation of America. Direction finder. 2,458,310, Jan. 4.
- Soper, Donald C., Los Angeles, Calif. Fire extinguisher for motion-picture projectors. 2,481,168, Sept. 6.
- Soper, Guy E.: See—
Koster, William A., and Soper.
- Soper, Quentin F.: See—
Behrens, Otto K., Corse, Jones, and Soper.
- Sopher, Julius U., Baltimore, Md. Protecting guard for attachment to wall receptacles. 2,487,900, Nov. 15.
- Sordi, Ilio, New York, N. Y. Vise-jaw attachment selectively usable as an auxiliary jaw or as a work support between two other vise jaws. 2,490,843, Dec. 13.
- Soref, Harry E., and D. J. Foote, assignors to Master Lock Company, Milwaukee, Wis. Plug retaining plate for lock cylinders. 2,460,474, Feb. 1.
- Soref, Harry E., and D. J. Foote, assignors to Master Lock Company, Milwaukee, Wis. Padlock. 2,471,291, May 24.
- Soref, Harry E., and D. J. Foote, assignors to Master Lock Company, Milwaukee, Wis. Dual permutation and cylinder padlock. 2,487,608, Nov. 8.
- Soreng, Edgar M., Skokie, and H. Y. Fisher, Hillside, Ill., assignors to Soreng Manufacturing Corporation. Sole-noid with plunger. 2,480,057, Aug. 23.
- Soreng Manufacturing Corporation, assignee: See—
Fisher, Hardin Y.
Soreng, Edgar M., and Fisher.
- Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Test equipment for faulty electrical insulators. 2,475,680, July 12.
- Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Limiting the modulation of the output of transmitters of communication systems. 2,491,590, Dec. 20.
- Sorensen, Charles E., Detroit, and L. C. Miller, Ann Arbor, assignors to Ford Motor Company, Dearborn, Mich. Aircraft fuselage construction. 2,472,317, June 7.
- Sorensen, Edward M., Dayton, Ohio. Frequency measuring device and remote-control system. 2,482,804, Sept. 27.
- Sorensen, Edward M., Dayton, Ohio; H. S. Sorensen, administratrix of said E. M. Sorensen, deceased. Radio remote-control aircraft system. 2,490,844, Dec. 13.
- Sorensen, Edward M., Stamford, Conn. Electrical control. 2,462,913, Mar. 1.
- Sorensen, Elmer G., assignee: See—
Ward, John E.
- Sorensen, George E., assignor to Woodward Governor Company, Rockford, Ill. Self-synchronous positioning control. 2,477,012, July 26.
- Sorensen, Helen S., administratrix: See—
Sorensen, Edward M.
- Sorensen, Violet Ward, assignee: See—
Ward, John E.
- Sorenson, Ben E.: See—
Miller, Charles J., Jr., and Sorenson.
- Sorenson, Wendell L., Great Neck, N. Y. Tool support and carrier. 2,465,290, Mar. 22.
- Sorenson, Wendell L., Great Neck, N. Y. Window curtain and drapery fixture. 2,465,291, Mar. 22.
- Sorenson, Wendell L., Great Neck, N. Y. Apparatus for harvesting vegetables. 2,468,276, Apr. 26.
- Soreny, Ernest V., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Separable connector. 2,462,914, Mar. 1.
- Soreny, Ernest V., New York, assignor to J. A. Maurer, Inc., Long Island City, N. Y. Reflex camera having auxiliary folding mirror. 2,466,664, Apr. 5.
- Sorg, Leonard V., Kansas City, Mo., assignor to Standard Oil Company, Chicago, Ill. Transporting petroleum distillates. 2,473,455, June 14.
- Sorg, Lloyd F., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency apparatus. 2,466,058, Apr. 5.
- Sorg, Lloyd F., Garden City, N. Y., assignor to The Sperry Corporation. High-frequency cavity resonator apparatus. 2,490,845, Dec. 13.
- Sorofman, Stanley, Mattapan, Mass. Heel construction. 2,492,013, Dec. 20.
- Sorrell, Anne, Hollywood, assignor of one-half to M. Keller, Beverly Hills, Calif. Manicurist buffer. 2,461,781, Feb. 15.
- Sortese, John J., Denver, Colo. Fluid current confection cooling apparatus. 2,464,294, Mar. 15.
- Sorvaag, Clarence M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Bridge for measurement of radio-frequency power. 2,463,436, Mar. 1.
- Souders, Mott, Jr.: See—
Dunn, Clarence L., Souders, and Groot.
Pierotti, Gino J., Souders, Jr., and French.
- Souders, Mott, Jr., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Hydrogenation of nitro compounds. 2,458,214, Jan. 4.
- Souders, Mott, Jr., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Penicillin extraction process. 2,488,559, Nov. 22.
- Soulé, Norma M., Evanston, Ill. Toy reflector and support. 2,463,817, Mar. 8.
- Soulligne, Raymond J., Goodland, Ind. Dual wheel dolly. 2,487,950, Nov. 15.
- Soundscribe Corporation, The, assignee: See—
Anderson, Arthur L.
Anderson, Arthur L., and Burns.
Nakken, Theodore H.
Thompson, Lincoln.
- Sourwine, William A., North Tonawanda, and H. M. Maynard, Williamsville, N. Y., and A. H. Flax, Philadelphia, Pa., assignors to Curtiss-Wright Corporation. Strain-stress computer. 2,478,720, Aug. 9.
- Sourwine, William A., and H. I. Pierce, Seattle, Wash. Electric self-indicating indexing and switching system. 2,481,169, Sept. 6.
- Sousa, Manuel R., Bristol, R. I. Snap lock for sail slide tracks. 2,488,644, Nov. 22.
- Soussloff, Dimitri G., New York, N. Y., and H. C. Haag, Hohokus, N. J., assignors to Celanese Corporation of America. Chuck. 2,477,773, Aug. 2.
- South, Furman, Jr., assignor to Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Cover for crucible furnaces. 2,465,822, Mar. 29.
- South, Luther B., assignor of twenty per cent to R. F. Estes and thirty per cent to W. Bezek, Corpus Christi, Tex. Ditchdigging machine. 2,488,990, Nov. 22.
- South Chester Corporation, assignee: See—
Flogaus, Howard A.
Hale, William C., Jr.
- Southern Belting Company, assignee: See—
Dickinson, Ingram.
- Southern Cotton Oil Company, The, assignee: See—
Lindsey, Frank A., Jr., and Maxwell.
- Southern Friction Materials Company, assignee: See—
Hocutt, Rudolph H.
Snow, Howard.
Snow, Howard, and Hill.
Snow, Howard, and Hocutt.
- Southern Galvanizing Company, The, assignee: See—
Kuff, Fred E.
- Southern Research Institute, assignee: See—
Mattocks, Albert M., Jr., and Lazier.
White, Locke, Jr.
- Southern Research Laboratories, assignee: See—
Smith, Jennings A.
- Southern Steel Company, assignee: See—
White, Loyd J.
- Southern Wood Preserving Company, assignee: See—
Deiters, August M.
Vaughan, Joseph A., and Vinson.
- Southern California Gas Company, assignee: See—
Warren, Harry L.
- Southern Pacific Company, assignee: See—
Kaehms, Charles G.
- Southern States Equipment Corporation, assignee: See—
Caldwell, John R., and Curtis.
Caldwell, John R., Richardson, and Curtis.
- Southgate, Frank C., San Francisco, Calif. Decorative bow. 2,471,590, May 31.
- Southland Paper Converting Company, assignee: See—
Yount, Stanley G., and Halstead.
- South River Metal Products Company, Inc., assignee: See—
Cohn, Max.
- Southwest Airways Company, assignee: See—
Connelly, John H.
- Southwick, Alva F., Jackson, Mich. Hanger. 2,476,635, July 19.
- Southwick, Charles A., Jr.: See—
Rhoads, Thomas H., and Southwick.
- Southwick, Philip L.: See—
Major, Randolph T., Folkers, Johnson, and Southwick.
- Southwick, William S., East Lynn, assignor to Thomson Electric Welder Company, Lynn, Mass. Continuous wire fabric welder and method. 2,487,392, Nov. 8.
- South Windsor Manufacturing Company, The, assignee: See—
Slater, Peter J.
- Southworth, George C., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for and utilizing microwave radiation from the sun. 2,458,654, Jan. 11.
- Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translating device. 2,460,109, Jan. 25.
- Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive microwave radio antenna. 2,460,401, Feb. 1.

- Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultrahigh frequency transmission. 2,461,005, Feb. 8.
- Sova, Clarence, Windsor, Ontario, Canada. Tie rack. 2,459,006, Jan. 11.
- Sowa, Frank J., Cranford, N. J. Case-hardening metals. 2,458,655, Jan. 11.
- Sowa, Frank J., Cranford, N. Y. Producing elemental boron. 2,465,989, Apr. 5.
- Sowa, Frank J., Cranford, N. J. Preparation of alkyl and cycloalkyl silicon fluorides. 2,477,704, Aug. 2.
- Sowa, Frank J., Cranford, N. J. Fungicidal composition comprising a phenyl mercury salt and excess lactic acid. 2,479,275, Aug. 16.
- Sowa, Frank J., Cranford, N. J. Making organo-silicon compounds. 2,486,992, Nov. 1.
- Sowa, Frank J., Cranford, N. J. Reaction products of organosilicon compounds and esters of hydroxy acids and their production. 2,486,993, Nov. 1.
- Sowa, Frank J., Cranford, N. J., and A. Schwerdle, New York, N. Y., said Schwerdle assignor to said Sowa. Insect affecting compositions. 2,471,790, May 31.
- Sowa, Frank J., Cranford, N. J., and F. F. Tone, Baldwin, N. Y., assignors to International Cigar Machinery Company. Producing tobacco web material. 2,485,670, Oct. 25.
- Sowden, John C., and H. O. L. Fischer, Toronto, Ontario, Canada, assignors to Corn Products Refining Company, New York, N. Y. Production of sugar C-nitroalcohols. 2,480,785, Aug. 30.
- Sowers, Ivan P., Los Angeles, Calif. Trouser presser. 2,461,006, Feb. 8.
- Sowles, Lawrence P., Westfield, N. J. Wire rope union. 2,488,247, Nov. 15.
- Sowler, Percy F. C., Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Stretching cellulose acetate filaments. 2,473,615, June 21.
- Spack, Harry, New York, N. Y. Swimming trunks. 2,490,556, Dec. 6.
- Spackman, Bernard C. W., Auckland, Auckland, New Zealand. Folding push chair. 2,473,350, June 14.
- Spackman, Thomas F., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater burner, particularly fuel delivery and igniting means therefor. 2,474,702, June 28.
- Spader, Arthur H., Bergenfield, N. J. Tack dispenser. 2,487,489, Nov. 8.
- Spaeth, Herman E., Hempstead, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Tandem wheel landing gear assembly. 2,490,485, Dec. 6.
- Spaeth, Irvin J.: *See*—
Walker, Samuel J., and Spaeth.
- Spaeth, Irvin J., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake gear support. 2,488,342, Nov. 15.
- Spafford, Ralph W., assignor to The Loudon Machinery Company, Fairfield, Iowa. Crane construction and apparatus. 2,486,221, Oct. 25.
- Spafford, Ralph W., assignor to The Loudon Machinery Company, Fairfield, Iowa. Conveyor apparatus and control systems therefor. 2,486,222, Oct. 25.
- Spafford, Russell R., Clarksville, Tenn. Apparatus for meteorological instruction. 2,486,502, Nov. 1.
- Spagnola, Samuel, Bronxville, N. Y. Finned cylinder for internal-combustion engines and making same. 2,491,878, Dec. 20.
- Spahr, Floyd W., Palmyra, N. J., and J. S. Haug, Chestnut Hill, assignors to United Engineers and Constructors, Inc., Philadelphia, Pa. Hydraulic drive for rotary grates and the like. 2,471,983, May 31.
- Spahr, Raymond J.: *See*—
Lieb, David J., Clark, Jr., and Spahr.
- Spahr, Raymond J., Bainbridge, N. Y., W. R. Moffitt, Seattle, Wash., and E. H. Pryde, Beaver Falls, Pa., assignors to The Borden Company, New York, N. Y. Condensation products of mononuclear monohydric phenols, formaldehyde, and mononuclear dihydric phenols. 2,489,336, Nov. 29.
- Spahr, Raymond J., and D. J. Lieb, Bainbridge, assignors to The Borden Company, New York, N. Y. Condensation products of resorcinol and formaldehyde. 2,490,927, Dec. 13.
- Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Latch operated clutch. 2,466,500, Apr. 5.
- Spalding, A. G., & Bros. Inc., assignee: *See*—
Brown, William T.
Kearsley, Edward P., and Marciniak.
- Spalding, John, Stratford, Conn. Lace web separation. 2,468,310, Apr. 26.
- Spalding, John D., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Pump drive. 2,488,069, Nov. 15.
- Spalding, John D., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Weight indicator and drilling line anchor. 2,488,070, Nov. 15.
- Spalding, Thomas L.: *See*—
Ballar, Charles O., and Spalding.
- Spalding, Thomas R., Solon, and H. C. Schroeder, Parma, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Combined reservoir and accumulator in a hydraulic pump and motor transmission system. 2,492,014, Dec. 20.
- Spanel, Abraham N., Princeton, N. J. Receptacle closure. 2,461,703, Feb. 15.
- Spanel, Abraham N., Princeton, N. J. Producing a coating of latex foam and resulting latex articles. 2,478,599, Aug. 9.
- Spanel, Abraham N., Princeton, N. J. Depositing preformed layers of latex foam on a latex film. 2,478,600, Aug. 9.
- Spang, Ferdinand J., Butler, Pa. Float valve. 2,476,434, July 19.
- Spang, Ferdinand J., Butler, Pa. Swivel rope socket. 2,483,944, Oct. 4.
- Spangenberg, Alfred L., assignor to Halco, Inc., Los Angeles, Calif. Making self-aligning ball bearings. 2,461,138, Feb. 22.
- Spangenberg, Charles B., Chicago, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Moisture responsive system. 2,484,594, Oct. 11.
- Spangler, Caleb K., and K. E. Sather, Havre, Mont. Painter's kit. 2,469,749, May 10.
- Spangler, Earl D., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Charge support for the bases of cover-type annealing furnaces. 2,481,170, Sept. 6.
- Spano, Frank, Union City, N. J. Device on which to form miniature ladders, etc. 2,473,398, June 14.
- Sparagano, Ferdinand, Brooklyn, N. Y. Dispensing container. 2,475,999, July 12.
- Spargo, John, assignor of one-half to E. A. Mader, Detroit, Mich. Indicator panel with slidable indicator. 2,480,614, Aug. 30.
- Spar-Holl Manufacturing Company, assignee: *See*—
Sparkes, Harry P.
- Sparkes, Harry P., West Orange, N. J., assignor to Spar-Holl Manufacturing Company, Glassport, Pa. Thermally equalized cylinder construction. 2,462,139, Feb. 22.
- Sparkler Mfg. Co., assignee: *See*—
Kracklauer, Aloysius C.
- Sparklin, Charles H., assignor to Birtman Electric Company, Chicago, Ill. Household vacuum cleaner having automatic nozzle adjustment means. Re. 23,152, Sept. 27.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Suction cleaner dust chamber having a movable wall therefor. 2,459,194, Jan. 13.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Suction cleaner and fan therefor. 2,468,128, Apr. 26.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Temperature indicator means for sadirons. 2,471,458, May 31.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Retractable brush for suction cleaners. 2,485,671, Oct. 25.
- Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Heating element. 2,485,672, Oct. 25.
- Sparkman, J. A., assignee: *See*—
West, Merle J.
- Sparks, Bayard P., St. James, N. Y. Window locking device. 2,462,434, Feb. 22.
- Sparks, Cedric H., London, England. Chain grate stoker having means for feeding refractory material thereupon for insulating purposes. 2,476,567, July 19.
- Sparks, George R., Asbury Park, and C. G. Killen, Jr., Wanamassa, N. J. Container. 2,459,193, Jan. 18.
- Sparks, Linolus W., Mohler, Idaho. Stubble controller. 2,487,609, Nov. 8.
- Sparks, Tomme B., Denver, Colo. Tomato corer. 2,458,215, Jan. 4.
- Sparks, William J.: *See*—
Nelson, Joseph F., and Sparks.
Rosen, Raphael, and Sparks.
Young, David W., and Sparks.
- Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,460,041, Jan. 25.
- Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Chemical process. 2,465,292, Mar. 22.
- Sparks, William J., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Condensation product of a polyhalogenated aliphatic hydrocarbon and a copolymer of a polymerizable cyclic compound and an unsaturated aliphatic hydrocarbon. 2,472,495, June 7.
- Sparks, William J., Cranford, N. J., and R. M. Thomas, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon polymers. 2,476,000, July 12.
- Sparks, William J., A. H. Gleason, and P. K. Frolich, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Thermoplastic hydrocarbon composition. 2,477,316, July 26.
- Sparks, William J., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Self-supporting film of styrene-isobutylene copolymer. 2,491,525, Dec. 20.

- Sparks, William J., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Modified copolymer compositions and manufacture and use thereof. 2,491,526, Dec. 20.
- Sparks-Withington Company, The, assignee: *See*—
Dunlap, Robert M.
Snow, Kilbourn H.
- Sparmann, Edmund E. K., Stockholm, Sweden. Wobbler drive. 2,463,818, Mar. 8.
- Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft pressure control system. 2,465,759, Mar. 29.
- Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Supercharger compression temperature control system. 2,474,018, June 21.
- Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus for cabins of aircraft. 2,474,441, June 28.
- Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,477,668, Aug. 2.
- Sparrow, Hubert T., and R. J. Kutzler, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical network motor control apparatus. 2,466,282, Apr. 5.
- Sparrow, Hubert T., Minneapolis, Minn., and A. E. Baak, Los Angeles, Calif., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,474,203, June 21.
- Spartalis, Athena M., assignee: *See*—
Spartalis, Michael P.
- Spartalis, Michael P., assignor of two-fifths to A. M. Spartalis, St. Paul, two-fifths to C. M. Rallis, Minneapolis, and one-fifth to N. Chioemes, St. Paul, Minn. Cooking machine. 2,482,601, Sept. 20.
- Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Overload or fixed load clutch. 2,472,925, June 14.
- Spaulding, Lawrence O., Longmeadow, Mass. Center of gravity device. 2,492,199, Dec. 27.
- Spaulding, Ralph E., assignor, by mesne assignments, to C. C. Bruestle and R. E. Spaulding, Jacksonville, Fla. Structural beam system. 2,465,613, Mar. 29.
- Spaw, Clifford, Detroit, Mich. Fuel saving device. 2,471,012, May 24.
- Speakman Company, assignee: *See*—
Fraser, James.
- Speare's, Alden, Sons Co., The, assignee: *See*—
Thompson, Willis F.
- Spearrin, William R., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Fly closure. 2,489,053, Nov. 22.
- Spears, Harry, New York, N. Y. Manicure brush. 2,475,645, July 12.
- Spears, Richard W.: *See*—
Hahn, Rea I., Spears, and Frank.
- Specht, Theodore: *See*—
Kenyon, Alonzo F., and Specht.
- Special Engineering Service, Incorporated, assignee: *See*—
Gordinier, Ralph E.
- Special Equipment Company, assignee: *See*—
Ewald, Raymond L., and Skog.
- Skog, Henry A.
- Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr.
Grant, Harry C., Jr., and Reichard.
Heizer, Edward J.
Joerren, Ernest A.
Lane, Cecil T.
Mapes, Daniel.
Stroop, John H.
Towart, Archie, Jr.
- Specialties, Inc., assignee: *See*—
Alkan, Robert.
Hays, Robert F. Jr.
Raspet, August.
Robbins, Azor D.
Sammons, Paul R.
Stroop, John H.
Thomsen, William A. V.
- Specialty Brass Company, Incorporated, assignee: *See*—
Namur, Carl A.
- Specialty Engineering Company, assignee: *See*—
Ashford, Leonard F.
- Specialty Manufacturing Co., The, assignee: *See*—
Woods, Cecil E.
- Specialty Packaging Company, assignee: *See*—
Cargill, Louis H.
- Specter, Benjamin, and J. J. Murray, Washington, D. C. Chart. 2,471,552, May 31.
- Spector, Joseph: *See*—
Nichols, Abe, and Spector.
- Speed Products Company, Inc., assignee: *See*—
Ruskin, Henry.
Von Cseh, Louis.
- Speedmaster, Limited, assignee: *See*—
Graves, Jay.
- Speedtype, Inc., assignee: *See*—
Pifer, George N.
- Speer, Joseph G., assignor of one-half to H. G. Koenig, Merriam, Kans. Radio direction finder. 2,490,660, Dec. 6.
- Speicher, Bert, Newark, N. J. Drying machine for coated articles. 2,463,570, Mar. 8.
- Speier, Frances, assignee: *See*—
Imbriani, Louis.
- Speight, Frank Y., Jr., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Impregnating fibrous materials and products thereof. 2,489,985, Nov. 29.
- Speith, Edwin G., Omaha, Nebr. Farm sled. 2,468,470, Apr. 26.
- Spell, Perry W., Roseboro, N. C. Cotton picking apparatus. 2,471,842, May 31.
- Speller, John C. G., Kenton, assignor to Ealing Studios Limited, Ealing, London, England. Lifting device. 2,484,658, Oct. 11.
- Speller, Thomas H., Williamsville, and F. A. Pettis, assignors to General Riveters, Inc., Buffalo, N. Y. Riveting machine. 2,488,645, Nov. 22.
- Spellman, Erick: *See*—
Erickson, Charles, and Spellman.
- Spenn, Monroe, Brooklyn, N. Y. Trailer draft member and support. 2,484,429, Oct. 11.
- Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
- Spence, Harry R., and H. W. Hooker, Lewiston, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Treating ferrous metals before drawing through dies. 2,479,979, Aug. 23.
- Spence, Hubert L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft rigging shock absorber. 2,474,919, July 5.
- Spence, John, assignee: *See*—
Carroll, Burt H., and Spence.
Stauffer, Robert E., and Spence.
- Spence, John A., San Pablo, Calif., and E. F. Degering, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Preparing C-acetylated and O-acetylated compounds. 2,472,628, June 7.
- Spence, Le Roy U., Elkins Park, Pa., and E. H. Sakal, Brooklyn, N. Y., assignors to B3hm & Haas Company, Philadelphia, Pa. Production of methacrylonitrile and alpha-chloro isobutyronitrile. 2,460,788, Feb. 1.
- Spence, Paulsen, Hot Springs, Ark., assignor to Spence Engineering Company, Inc., Walden, N. Y. Safety device for temperature regulators. 2,469,057, May 3.
- Spence, Robert T., Lynn, assignor of eighteen one-hundredths to L. J. O'Malley, Boston, Mass. Flocking method and apparatus. 2,483,443, Oct. 4.
- Spencer, Andrew H., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Shield connection for external press type electron discharge tubes. 2,464,270, Mar. 15.
- Spencer, Corwin N., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Curing bag. 2,476,831, July 19.
- Spencer, Elbert G.: *See*—
Baker, Frederick C., and Spencer.
- Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Forming fine filaments. 2,476,830, July 19.
- Spencer, H. Dorsey, assignee: *See*—
Carroll, Morris B.
- Spencer, Harlan L., Syracuse, Ind. Air-conditioned vehicle. 2,476,435, July 19.
- Spencer, James A., Teaneck, N. J., and L. A. Thomas, Brooklyn, N. Y., assignors to Radio Corporation of America. Code converter and error detector. 2,471,126, May 24.
- Spencer, James A., Teaneck, N. J., T. J. Merson, Hollis, and L. A. Thomas, Brooklyn, N. Y., assignors to Radio Corporation of America. Reperforator. 2,492,503, Dec. 27.
- Spencer, James A., Teaneck, N. J., T. J. Merson, Hollis, N. Y., and L. A. Thomas, Los Angeles, Calif., assignors to Radio Corporation of America. Reperforator. 2,492,504, Dec. 27.
- Spencer, Jeanne C., Oakland, Calif. Auxiliary support for balancing apparatus. 2,466,748, Apr. 12.
- Spencer, John T., Jr., Birmingham, and E. Girardello, assignors to Detroit Stamping Company, Detroit, Mich. Toggle operated pliers. 2,463,721, Mar. 8.
- Spencer-Kellogg and Sons, Inc., assignee: *See*—
Agster, Melvin, and Terrill.
- Spencer, Lee, Phoenix, Ariz., assignor to American Brake Shoe Company, New York, N. Y. Guardrail assembly for railroad track equipment. 2,470,662, May 17.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron assembly and method. 2,458,802, Jan. 11.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,459,195, Jan. 18.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electric flash percussive welding. 2,459,847, Jan. 25.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Laminated magnetron. 2,466,059, Apr. 5.

- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,466,060, Apr. 5.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode support. 2,468,129, Apr. 26.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,468,243, Apr. 26.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,473,399, June 14.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Directly heated cathode. 2,473,550, June 21.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device of the cavity resonator type. 2,473,827, June 21.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,473,828, June 21.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,475,526, July 5.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,475,646, July 12.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,477,317, July 26.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical discharge device of the magnetron type. 2,478,644, Aug. 9.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Boston, Mass. Prepared food article and preparing. 2,480,679, Aug. 30.
- Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,481,171, Sept. 6.
- Spencer, Percy L., West Newton, and F. C. Graczyk, Wilmington, assignors to Raytheon Manufacturing Company, Newton, Mass. Electric plug. 2,477,013, July 26.
- Spencer, Thomas F.: *See*—
Jackson, Herman F., and Spencer.
- Spindelov, Howard R., Jr., Kenmore, and H. de W. Erasmus, Lewiston, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of low carbon ferrochromium. 2,473,021, June 14.
- Spender, Donald L., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Composite bottle cap. 2,462,010, Feb. 15.
- Spender, Donald L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tamperproof screw closure. 2,470,057, May 10.
- Spender, Donald L., Wolcott, and G. L. Butler, assignors to Scovill Manufacturing Company, Waterbury, Conn. Liquid dispensing device with bulb pump. 2,474,442, June 28.
- Sperlich, Herman A., Detroit, Mich. Mounting means for the fixed ironing element of ironing machines. 2,482,380, Sept. 20.
- Sperling, Jacob G., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Aerial reflecting signal target. 2,489,337, Nov. 29.
- Sperry Corporation, The, assignee: *See*—
Abraham, Wayne G.
Aumuller, Edward F.
Ayres, Waldemar A., and Bates.
Bates, Mortimer F.
Braddon, Frederick D.
Campbell, David J., and Wing.
Cooke, William T., Caldwell, and Clifford.
Cooke, William T., Caldwell, Jr., and Clifford.
Craddock, Reginald V., and Curry.
Curry, Robert S., Jr.
Esval, Orland E.
Esval, Orland E., and Halpert.
Farnsworth, Neil B.
Feenberg, Eugene.
Ferguson, Andrew W.
Ferrill, Thomas M., Jr.
Ford, Hannibal C.
Fragola, Caesar F., and Craddock.
Frost, William F.
Garbarini, Robert F., and Edwards.
Ginzton, Edward L.
Ginzton, Edward L., Hansen, and Varian.
Godley, Fred O.
Gould, Robert V.
Halpert, Percy, Frische, Bird, and Esval.
Hammond, Edmund B., Jr.
Hansen, William W.
Hansen, William W., and Varian.
Harrison, Arthur E.
Harrison, Arthur E., and Jaynes.
Haskins, Robert, Jr.
Hays, Robert F., Jr.
- Sperry Corporation, The, assignee: *See*—Continued.
Holschuh, Carl G., and Fram.
Isbister, Eric J.
Jaynes, Edwin T.
Jenks, Frederic A.
Kelm, David Y.
Kenyon, David E.
Learned, Vincent R.
Maeder, Abbott S.
Mallett, John D.
McCoy, Rawley D.
Moseley, Francis L., and Cooke.
Newell, William H., Tear, and Brown.
Noit, Edwin B.
Peoples, James A., Jr., Scheib, and Goertz.
Proskauer, Richard.
Ross, Elliott P.
Shepherd, James E.
Sorg, Lloyd F.
Standa, Edwin G.
Streeter, Edward C., Jr.
Tawney, Gerald L.
Tear, James D.
Thomas, Thomas R.
Thompson, Herbert H.
Thomson, Vincent E.
Varian, Russell E.
Varian, Sigurd F.
Varian, Sigurd F., and Ginzton.
Wathen, Robert L.
Wathen, Robert L., and Varian.
Webber, Hugh E.
White, Gifford E.
White, Walter T.
White, Walter T., and Courter.
Woodyard, John R.
Woodyard, John R., Ginzton, and Learned.
Woodyard, John R., and Hansen.
Zenor, Hughes M.
- Sperry, Gerald D.: *See*—
Steiner, Arnold B., and Sperry.
- Sperry Gyroscope Company, Ltd., The, assignee: *See*—
Glenny, Arthur P.
- Sperry, Leo M., Erie, Pa. Reciprocating spindle type cotton harvester. 2,484,319, Oct. 11.
- Sperry Products, Inc., assignee: *See*—
Carlin, Benson.
Drake, Harcourt C.
Firestone, Floyd A.
Firestone, Floyd A., and Frederick.
Habig, William E.
Hebel, Carl G., and Wallace.
Mesh, William E.
- Sperry, Ralph W. E., and J. C. Horth, assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano construction. 2,486,338, Oct. 25.
- Sperry, Roger S., The Citizens and Manufacturers National Bank, Waterbury, Conn., administrator of said R. S. Sperry, deceased. Pull rod. 2,488,566, Nov. 22.
- Sperry, Russell L., Glendora, Calif., assignor to American Cyanamid Company, New York, N. Y. Preparation of di(hydroxy methyl) dithiobiuret. 2,459,725, Jan. 18.
- Sperry, Russell L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of acylguanthylioureas. 2,463,819, Mar. 8.
- Sperry, Russell L., Glendora, Calif., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-thioureido-4-methyl thiazole hydrochloride. 2,470,585, May 17.
- Sperry-Sun Well Surveying Company, assignee: *See*—
Kothny, Gottfrank L.
- Sperti, Carleton A.: *See*—
Anderson, Arthur W., and Sperafi.
- Sperti Faraday Inc., assignee: *See*—
Reck, Peter C.
- Speth, Leonard S.: *See*—
Bronson, Adelbert E., and Speth.
- Spessard, Clayton I.: *See*—
Quarles, Richard W., and Spessard.
- Speyer, Fred B., Salem, Mass., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Adhesive and coating composition. 2,461,704, Feb. 15.
- Spicer, Herbert C., Takoma Park, Md. Portable battery-powered gamma-ray counting rate meter of high sensitivity. 2,462,140, Feb. 22.
- Spicer, Manford, Jr., Kansas City, Mo., assignor of twenty-five per cent to G. Johnson, Kansas City, Kans. Cover holder for pressing machines. 2,460,953, Feb. 8.
- Spiegel, Martin: *See*—
Lange, Morris, and Spiegel.
- Spiegelberg, Hans, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Electrolytic reduction of pentonic acid lactones. 2,457,933, Jan. 4.
- Spiegelberg, Hans, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of folic acid. 2,487,393, Nov. 8.
- Spiegelberg, Hans, and G. Rey-Bellet, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of 2-amino-6-hydroxy-8-(hydroxymethyl) pteridine. 2,461,503, Feb. 8.
- Splegl, Ellis H., Salinas, Calif. Produce cooling process. 2,465,614, Mar. 29.

- Spielman, Emeric M., Elmhurst, N. Y. Photoelectric keyboard instrument. 2,484,914, Oct. 18.
- Spielman, Emeric M., New York, N. Y. Electric musical instrument. 2,469,850, May 10.
- Spielman, James F., Torrington, Conn. Automatic follow-up reversible hydraulic selector valve and assembly including same. 2,462,915, Mar. 1.
- Spierer, Edward, assignee: *See—*
Niles, Harold H.
- Spierer, Edward, Brooklyn, N. Y. Ultraviolet ray toilet seat. 2,460,543, Feb. 1.
- Spierer, Theodore, assignor to Edi Holding Inc., Brooklyn, N. Y. Cold cathode tube voltage indicator. 2,491,781, Dec. 20.
- Spieess, Charles J., assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Furring strip. 2,478,060, Aug. 2.
- Spieess, William R., Teaneck, N. J., assignor to Flexnit Company, Inc. Girdle. 2,482,640, Sept. 20.
- Spieeth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Air deflector. 2,457,934, Jan. 4.
- Spigerverk, Christiania, assignee: *See—*
Asak, Ragnvald.
- Spijker, Peter V., The Hague, Netherlands, and J. A. Sherred, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Synthesis of carbinols. 2,486,693, Nov. 1.
- Spiker, Ralph E., North Canton, Ohio. Radiant heating bar joist. 2,477,394, July 26.
- Spiller, William R., and L. D. Barley, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill. Reel support. 2,461,665, Feb. 15.
- Spiller, William R., and L. L. West, Dayton, assignors to Harris-Seybold Company, Cleveland, Ohio. Drill sharpener. 2,469,900, May 10.
- Spillman, Amos L. C., Charlotte, Iowa. Self-locking hitch pin. 2,483,111, Sept. 27.
- Spillman, Frank, Chillicothe, Ill. Wire reeling machine. 2,467,869, Apr. 19.
- Spillman, Gordon C., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material serving head. 2,463,211, Mar. 1.
- Spinale, Frank A., Medford, Mass. Box folding machine. 2,486,074, Oct. 25.
- Spindler, Joseph C., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Phase measuring device. 2,462,916, Mar. 1.
- Spindler, Joseph C., assignor to The Rauland Corporation, Chicago, Ill. Automatic frequency control circuit. 2,483,070, Sept. 27.
- Spindt, Alvin E., Hammond, Ind. Adjusting and holding means for rotary disk tools and the like. 2,458,216, Jan. 4.
- Spindt, Roderick S., Gibsonia, and D. R. Stevens, Wilkinsburg, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparation of aliphatic acids. 2,470,876, May 24.
- Spinks, James M., Buffalo, N. Y., assignor, by mesne assignments, to Dormitzer Electric & Manufacturing Corporation, Brookline, Mass. Photoflash circuits. 2,464,188, Mar. 8.
- Spinner, Philip V., assignor to Plastic Binding Corporation, Chicago, Ill. Making plastic binders. 2,491,527, Dec. 20.
- Spinner, Philip V., assignor to Plastic Binding Corporation, Chicago, Ill. Making binders. 2,491,528, Dec. 20.
- Spira, Josef H., New York, N. Y. Girdle finishing device. 2,484,253, Oct. 11.
- Spirig, Josef: *See—*
Schraner, Alfred and Spirig.
- Spiro, Benjamin E., Philadelphia, Pa., assignor to General Electric Company. Circuit interrupting device. 2,476,071, July 12.
- Spiro, Philip, West New Brighton, N. Y. Display and dispensing refrigerator. 2,481,790, Sept. 13.
- Spirit, Milton, New York, N. Y. Telescopic antenna. 2,488,480, Nov. 15.
- Spisak, Andrew A., Cleveland, Ohio. Film reel and film fastener. 2,476,636, July 19.
- Spiselman, Louis: *See—*
Rosenberg, George, and Spiselman.
- Spitzer, Lawrence K., Arapahoe County, near Englewood, Colo., assignor to Arrow Manufacturing Company. Drive-correlating steering means for tractors. 2,483,599, Oct. 4.
- Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. One-piece channelled lens mounting. 2,472,731, June 7.
- Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Temple hinge connection for ophthalmic mountings. 2,478,334, Aug. 9.
- Splitzgerber, George H., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining turpentine. 2,461,007, Feb. 8.
- Spofford, Warren A., Glen Ridge, N. J., assignor to General Electric Company. Air cooler system having temperature and humidity controlling means. 2,477,351, July 26.
- Spojene Farmaceuticke Zavody, Narodni Podnik, assignee: *See—*
Rosicky, Jan.
Rosický, Jan. and Fucik.
- Spokes, Ray E.: *See—*
Bennett, Robert B., and Spokes.
- Spokus, Albin J., Seattle, Wash. Hair clasp. 2,481,791, Sept. 13.
- Spolek Pro Chemickou a Hutni Vyrobu, assignee: *See—*
Regner, Albert.
- Spolek pro chemickou a hutni vyrobu narodni podnik—United Chemical and Metallurgical Works National Corporation, assignee: *See—*
Regner, Albert.
- Sponaugle, Lloyd B., Akron, Ohio. Operating machine tools and apparatus therefor. 2,484,968, Oct. 18.
- Spong, Allen L., Denver, Colo. Icing and glazing machine for bakery products. 2,482,563, Sept. 20.
- Spongberg, Albin V., and H. G. Pashoian, assignors to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,471,706, May 31.
- Spooner, Reginald A. W., Walton on Thames, England. Pipe and cable coupling. 2,467,100, Apr. 12.
- Spoonhour, Charles L., assignor to Frick Company, Waynesboro, Pa. Multiple temperature refrigerating unit having air circulating means. 2,474,499, June 28.
- Spoor, Theodorus A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coil having a slidable core and establishing the ratio between the maximum and minimum inductance thereof. 2,474,761, June 28.
- Spoor, Theodorus A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Slide core tuning device. 2,489,595, Nov. 29.
- Sporleder, Robert C., Mill Valley, Calif. Bottom feed device for paper sheets. 2,468,842, May 3.
- Sport Products, Inc., assignee: *See—*
Hilton, Albert.
Portal, De Witt A.
- Sporte, Dick: *See—*
Werner, Frank C., and Sporte.
- Sporting Specialties Company, assignee: *See—*
Sawatzki, Felix C.
- Spowers, William H., Jr., Alexandria, Va. Galvanizing. 2,475,360, July 5.
- Spracher, Clifford D.: *See—*
Patterson, Edgar W., and Spracher.
- Sprague Electric Company, assignee: *See—*
Logie, Thomas T., and Galla.
Markarian, Moushy.
Markarian, Moushy, and Peck.
Robinson, Preston, and Dorst.
- Sprague, James M.: *See—*
Moore, Maurice L., and Sprague.
- Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. 2-sulfanilamido-4,5-dicarboxythiazole and preparation. 2,486,807, Nov. 1.
- Sprague, Owen F., Lawrence, Kans., assignor to Mathieson Chemical Corporation. Producing sodium monosulfide. 2,492,716, Dec. 27.
- Sprague, Robert B., Long Beach, and S. G. Nevius, Santa Monica, Calif., assignors to H. Field. Automatic shut-off valve for hydraulic transmission systems. 2,478,210, Aug. 9.
- Sprague, Robert B., Long Beach, and S. G. Nevius, Santa Monica, assignors to H. Field, Los Angeles, Calif. Hydraulic fuse valve. 2,478,211, Aug. 9.
- Sprague Robert H.: *See—*
Brooker, Leslie G. S., and Sprague.
- Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Thicketones and preparing the same. 2,481,698, Sept. 13.
- Sprague, Robert H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Quaternary salts of polyvinyl pyridine and polyvinyl quinoline. 2,484,430, Oct. 11.
- Sprague, Robert M., Waban, Mass., G. G. Bruck, Farmingdale, N. Y., and P. E. Volz, Orange, N. J., assignors to Raytheon Manufacturing Company, Newton, Mass. Communication relay station. 2,477,428, July 26.
- Sprague Specialties Company, assignee: *See—*
Brooks, Lester A.
- Spraker, Leon G., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Article counting device. 2,485,328, Oct. 18.
- Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Method of making weather strips. 2,459,120, Jan. 11.
- Spraragen, Louis, Bridgeport, Conn. Air filter. 2,463,722, Mar. 8.
- Spraragen, Louis, Bridgeport, Conn. Air filter. 2,463,723, Mar. 8.
- Spraragen, Louis, assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn. Adjusting and control device. 2,475,159, July 5.
- Sprauer, Jerome W., Roslyn, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of calcium hypochlorite. 2,469,901, May 10.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Traffic protection apparatus. 2,478,601, Aug. 9.
- Sprayer Corporation of America, assignee: *See—*
Lanter, Clarence W.
- Spreen, Charles C., Detroit, assignor to R. W. Lewis, Walled Lake, Mich. Measuring scoop or ladle. 2,459,466, Jan. 18.

- Spreen, Charles C., Detroit, assignor to R. W. Lewis, Walled Lake, Mich. Handle for utensils and mounting therefor. 2,482,697, Sept. 20.
- Spreen, Charles C., Detroit, assignor to R. W. Lewis, Walled Lake, Mich. Electric cooking apparatus. 2,491,529, Dec. 20.
- Spreng, Warren M., assignor to The F. E. Myers & Bro. Company, Ashland, Ohio. Spray gun. 2,460,545, Feb. 1.
- Sprenger, George W., Lynn, Mass., assignor to General Electric Company. Intermittent motion magnetic drive. 2,481,360, Sept. 6.
- Sprenger, Harold A.: *See*—
Pitt, Paul A., and Sprenger.
- Sprick, Carl H., and M. J. Renquist, Julesburg, Colo. Stubble cutter. 2,489,204, Nov. 22.
- Spriggs, James O., Washington, D. C. Ultra high frequency switch. 2,475,647, July 12.
- Spring, E. A., assignee: *See*—
Parsons, Oliver F.
- Spring, Otto, Okmulgee, Okla., assignor to Danciger Oil & Refining Company, Fort Worth, Tex. Producing acetylene. 2,466,617, Apr. 5.
- Spring Packing Corporation, assignee: *See*—
Ripley, Charles T.
- Spring, Russell M., South Sudbury, Mass. Shock absorber valve regulator. 2,492,331, Dec. 27.
- Spring Unit Development Co., assignee: *See*—
Levine, David I.
- Springer, Clarence N. and H. R., Grand Rapids, Mich. Cherry pitter. 2,470,905, May 24.
- Springer, Herbert W., Quakertown, Pa. Reciprocable carriage and mechanism for reciprocating it. 2,488,345, Nov. 15.
- Springer, Hester R.: *See*—
Springer, Clarence N. and H. R.
- Springer, Horace S.: *See*—
Tuve, Richard L., Fogelberg, Brinnick, and Springer.
- Springer, Kenneth F., Northport, N. Y. Litter. 2,489,828, Nov. 29.
- Springer, Ray W., Detroit, Mich. Lock mechanism. 2,468,644, Apr. 26.
- Springfield Detail & Machine Parts, assignee: *See*—
Panyard, Alfred A.
- Springfield Leather Products Co., The, assignee: *See*—
Henderson, Roe P.
- Springfield Metallic Casket Co., Inc., The, assignee: *See*—
Kendall, Floyd J.
- Springfield Safe Deposit and Trust Co., executor: *See*—
Wesson, Victor H.
- Springs, Melvin R., Jr., Mineola, N. Y. Inspection light and electromagnet combination. 2,477,498, July 26.
- Sprink, Edward G.: *See*—
Loehr, Ewald, and Sprink.
- Sprinkel, Ernest, Ontario, Calif. Double bubble L-shaped mirrored level. 2,466,829, Apr. 12.
- Sprinkle, Leonard M., Galveston, and A. R. Jain, Green-town, assignors to Meco, Inc., Galveston, Ind. Portable grill. 2,477,529, July 26.
- Sproll, Paul, Long Island City, N. Y. Foldable cot. 2,462,685, Feb. 22.
- Sprolle, Joseph V., Forest Hills, assignor to The National Sugar Refining Company, New York, N. Y. Pallet. 2,489,054, Nov. 22.
- Sprong, Severn D., Monroe, N. Y.; K. S. Osborn (K. W. Sprong), executrix of Severn D. Sprong, deceased, assignor to the Thermactor Company, New York, N. Y. Apparatus for treating oil and gas bearing strata. 2,472,445, June 7.
- Sproul, Byron P., Royal Oak, Mich. Polarizing filter attachment for cameras. 2,469,795, May 10.
- Sproul, Merrill F.: *See*—
Cole, Harry W., and Sproul.
- Sproule, Donald O., assignor to Henry Hughes & Son Limited, London, England. System of wave trains. 2,463,328, Mar. 1.
- Sproule, Lorne W.: *See*—
Gurd, George W., and Sproule.
- Sproule, Lorne W., and L. F. King, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Extreme pressure lubricating compositions. 2,468,520, Apr. 26.
- Sproule, Lorne W., and L. F. King, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Rust inhibiting lubricants. 2,479,424, Aug. 16.
- Spruance, Frank P., Jr., assignor to American Chemical Paint Company, Ambler, Pa. Method and materials for producing coated aluminum. 2,471,909, May 31.
- Spruance, Frank P., Jr., Ambler, and J. H. Thirsk, Wyncote, assignors to American Chemical Paint Company, Ambler, Pa. Composition for and method of chemically coating aluminum. 2,472,864, June 14.
- Spurles, Francis J.: *See*—
Price, Donald, and Spurles.
- Spurles, Francis J., Arlington, N. J., and R. Liebling, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Refining glycerine. 2,487,610, Nov. 8.
- Spurles, Francis J., Arlington, N. J., and R. Liebling, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Purification of glycerine. 2,487,611, Nov. 8.
- Sprung, Joseph A., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype materials derived from aryl diazo sulfones. 2,465,760, Mar. 29.
- Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. Synthetic elastic and elastomeric products. 2,484,595, Oct. 11.
- Sprung, Murray M., Scotia, N. Y., assignor to General Electric Company. Preparation of dimethyl silicone gums. 2,472,629, June 7.
- Sprung, Murray M., Scotia, N. Y., assignor to General Electric Company. Preparation of solid elastic methylpolysiloxanes. 2,492,129, Dec. 20.
- Sprung, Murray M., Scotia, N. Y., and D. F. Wilcock, Saugus, Mass., assignors to General Electric Company. Liquid organo-substituted polysiloxanes. 2,483,158, Sept. 27.
- Spunt, Leo, Detroit, and B. A. Gould, Highland Park, assignors to General Motors Corporation, Detroit, Mich. Suspension spring seat. 2,469,216, May 3.
- Spurgat, Edward: *See*—
Budner, Anton E., Buckman, and Spurgat.
- Spurlin, Harold M.: *See*—
Johnson, Harold E., and Spurlin.
- Spurling, Nelson E., U. S. Navy. Gun cooling system. 2,478,950, Aug. 16.
- Spurlino, Pascal, R. J. Moser, A. G. Kibler, M. D. Frost, and W. J. Kreider, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,467,704, Apr. 19.
- Spurlino, Pascal, J. Gantner and W. J. Kreider, assignors to The National Cash Register Company, Dayton, Ohio. Paper chute for accounting machine record strips. 2,487,901, Nov. 15.
- Spurlock, George W., Joliet, assignor of thirty per cent to R. Cunningham, Chicago, Ill. Automatic wheel lock. 2,490,486, Dec. 6.
- Square D Company, assignee: *See*—
Andresen, John H., Jr.
Andresen, John H., Jr., and Kasner.
Jackson, John G.
Mekelburg, Earl F.
Van Valkenburg, Hermon L.
Zeller, Josef J.
- Square Grip Reinforcement Company, (London) Limited, The, assignee: *See*—
Glegg, Gordon L.
- Squibb, E. R., & Sons, assignee: *See*—
Braker, William.
Burke, John C., and Jurist.
Christiansen, Walter G., and Green.
Gerlough, Tillman D., and Smith.
Holaday, Horace A.
Lott, William A., Bernstein, and Sterns.
Lott, William A., and Braker.
Rake, Geoffrey W., Koerber, and Donovick.
Wintersteiner, Oskar, and Adler.
Wintersteiner, Oskar, and MacPhillamy.
Wintersteiner, Oskar, MacPhillamy, and Menzel.
- Squier, Geo. L., Mfg. Co., The, assignee: *See*—
Schwarz, Eugene A.
- Squiller, Samuel, Pittsburgh, Pa. Connector for thin wall conduits. 2,484,192, Oct. 11.
- Squire, Edmund M., Radburn, N. J., assignor to The Brush Development Company, Cleveland, Ohio. Coin-operated voice recording machine. Re. 23,112, May 10.
- Squire, Henry J. G.: *See*—
Brittain, Bert, and Squire.
- Squires, Mollie, Thompsonville, Conn. Vertically adjustable table. 2,475,411, July 5.
- Srofe, Jesse, assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Folding box. 2,470,270, May 17.
- Staats, Henry N., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Self-unlocking lockup relay. 2,458,311, Jan. 4.
- Stabelan Chemical Company, assignee: *See*—
Chaban, Charles J.
- Stacey, Ernest W.: *See*—
Miller, Lloyd G., and Stacey.
- Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun turret and shield therefor. 2,490,928, Dec. 13.
- Stacey, Maurice: *See*—
Haworth, Walter N., and Stacey.
- Stachnik, Roman R., assignee: *See*—
Shields, Walter J.
- Stackawicz, Carl, Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for setting feeding mechanisms for material working machines. 2,488,610, Nov. 22.
- Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Collapsible child's carriage. 2,457,935, Jan. 4.
- Stackhouse, Milroy G., Birmingham, Ala. Railroad tie. 2,466,283, Apr. 5.
- Stackpole Carbon Company, assignee: *See*—
Dressel, Henry M.
- Stacom, Matthew J., New York, N. Y. Separating the fats, flavoring ingredients, and fibrous material in cellular substances. 2,492,668, Dec. 27.
- Stacy, Jewil C., Norfolk, Va. Detachable furniture leg. 2,484,969, Oct. 18.

- Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Base for self-contained hydraulic motors. 2,463,003, Mar. 1.
- Stadelhofer, Richard S., Madison, Wis. Fishing float. 2,481,453, Sept. 6.
- Stader, William, Perkasio Borough, Pa. Self-closing clothes hanger and door knocker. 2,484,535, Oct. 11.
- Stadick, Conrad, Searles, Minn. Saw setting machine. 2,461,782, Feb. 15.
- Stadler, John, Long Hill, Conn. Clip for attaching molding to automobile bodies and fenders. 2,471,247, May 24.
- Stadler, Robert W., Detroit, Mich. Grader. 2,464,003, Mar. 8.
- Stadlman, Roger W., Los Angeles, Calif. Piston construction for internal-combustion engines and sleeve-like piston ring construction therefor. 2,462,567, Feb. 22.
- Stadlman, William J., San Francisco, Calif. Baby bath. 2,491,223, Dec. 13.
- Stadum, Clarence B., Buffalo, and W. E. Iarge, Tonawanda, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic timing system. 2,492,015, Dec. 20.
- Staeger, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,484,473, Oct. 11.
- Staehele, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Making photographic images on plastic. 2,458,439, Jan. 4.
- Staehele, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Coloring ceramic objects. 2,472,128, June 7.
- Staehele, Henry C., and C. F. Amering, assignors to Eastman Kodak Company, Rochester, N. Y. Making hydrolyzed cellulose acetate printing plates. 2,484,431, Oct. 11.
- Stafford, Charles, Rhos-on-Sea, and F. Reed, Colwyn Bay, North Wales. Water jet propulsion internal-combustion engine. 2,463,820, Mar. 8.
- Stafford, Charles E., U. S. Army, Mira Loma, Calif. Container band severing tool. 2,482,805, Sept. 27.
- Stafford, John W., Hohokus, N. J., assignor to The Turl Iron and Car Company, Inc., New York, N. Y. Crystallizer. 2,458,440, Jan. 4.
- Stafford, Rogers T., East Providence, R. I. assignor to B. A. Ballou & Co. Incorporated. Cuff button for sewed-on button type of cuff. 2,490,383, Dec. 6.
- Stafford, Stephen B., Oxford, assignor to Rice Barton Corporation, Worcester, Mass. Making cockle paper. 2,460,042, Jan. 25.
- Stafford, Richard H., Lamoni, Iowa, assignor to Radio Corporation of America. Plural function circuit. 2,469,281, May 3.
- Stager, Raymond M.: See—
Thomas, Howeth J., Stager, and McCombie.
- Staggs, Allen B., Henrietta, Tex. Stock handling apparatus. 2,477,213, July 26.
- Staggs, Francis H., Wichita, Kans. Drum sander. 2,458,217, Jan. 4.
- Staggs, Francis H., Wichita, Kans. Drill jig. 2,475,263, July 5.
- Staggs, Jesse D., Burbank, Calif. Magnetically driven fluid-handling device. 2,481,172, Sept. 6.
- Stahl, Elmer R.: See—
Elvin, William J., and Stahl.
- Stahl, Leroy R., Duluth, Minn. Accordion switch key assembly. 2,486,889, Nov. 1.
- Stahl, William F., assignee: See—
Collins, Fred V.
Walliser, Robert E.
- Stahl, William F., assignee, trustee: See—
Bachleda, Matthew E.
- Stahl, William H., Jr.: See—
Cowherd, Robert D., and Stahl.
- Stahler, Harry D., Berlin, Wis. Caged animal feeding tray. 2,478,430, Aug. 9.
- Stahly, Edward P., assignee: See—
Loker, Elmer H.
- Stahmann, Mark A., and K. P. Link, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Synthesis of 4-hydroxycoumarins. 2,465,293, Mar. 22.
- Stahmann, Mark A., Madison, and K. P. Link, Middleton, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Synthesis of 4-hydroxycoumarins. 2,471,047, May 24.
- Stahn, James A., Racine, Wis. Lubrication system. 2,482,806, Sept. 27.
- Stair, Carlyle B., assignee: See—
McCleery, Harold L., and Stair.
- Stair, Daniel E., Chicago, Ill. Method of and apparatus for burning coal. 2,468,415, Apr. 26.
- Stalego, Charles J., Newark, N. J., assignor to Owens-Corning Fiberglass Corporation. Method and apparatus for producing glass fibers. 2,481,543, Sept. 13.
- Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Method and apparatus for making fine glass fibers. 2,489,243, Nov. 22.
- Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Combustion chamber burner. 2,489,244, Nov. 22.
- Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglass Corporation. Apparatus for producing fibers. 2,489,508, Nov. 29.
- Staley, A. E., Manufacturing Co., assignee: See—
Hansen, Donald W., Gill, and Wrightsman.
- Staley, A. E., Manufacturing Company, assignee: See—
Casey, James P.
Hansen, Donald W.
Larson, Roy F., Liggett, and Mussulman.
Marmor, Ralph A., and Moyer.
McCubbin, Keator, and Monical.
Moyer, Wendell W.
Shildneck, Paul R.
Smith, Clifford E., and Olson.
- Stålhandske, David, Bofors, Sweden. Chuck. 2,469,014, May 3.
- Stålhane, Bertil, Stockholm, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Generating alternating currents. 2,487,279, Nov. 8.
- Stalker, Edward A., Bay City, Mich. Propulsion and boundary layer control for aircraft. Re. 23,105 Apr. 26.
- Stalker, Edward A., Bay City, Mich. Axial blower. Re. 23,108, May 3.
- Stalker, Edward A., Bay City, Mich. Jet-powered lifting rotor for rotary wing aircraft. 2,457,936, Jan. 4.
- Stalker, Edward A., Bay City, Mich. Rotary wing aircraft. 2,464,726, Mar. 15.
- Stalker, Edward A., Bay City, Mich. Aircraft wings having boundary layer control. 2,469,902, May 10.
- Stalker, Edward A., Bay City, Mich. Gas turbine power plant. 2,470,729, May 17.
- Stalker, Edward A., Bay City, Mich. Aircraft wing flap and aileron combination having boundary layer control. 2,476,001, July 12.
- Stalker, Edward A., Bay City, Mich. Rotating wing. 2,476,002, July 12.
- Stalker, Edward A., Bay City, Mich. Spanwise variable lift control for rotary wings. 2,483,480, Oct. 4.
- Stalker, Edward A., Bay City, Mich. Gas turbine. 2,488,783, Nov. 22.
- Stalker, Edward A., Bay City, Mich. Boundary layer control for drag reduction. 2,488,991, Nov. 22.
- Stalker, Edward A., Bay City, Mich. Turbine. 2,489,683, Nov. 29.
- Stallard, Ben W., Cincinnati, Ohio. Dice agitator. 2,462,686, Feb. 22.
- Stallard, Cleveland, Kansas City, Mo. Hinge. 2,490,889, Dec. 13.
- Stallings, James W., Atlanta, Ga., assignor to Röhm & Haas Company, Philadelphia, Pa. Treatment of cellulosic textiles with strong hydroxide and acrylonitrile. 2,473,308, June 14.
- Stallings, Randall L., Norfolk, Va. Insulated bottle assembly. 2,488,611, Nov. 22.
- Stallins, Lee, Denver, Colo. Hair curler. 2,463,821, Mar. 8.
- Stallworth, Henry D., U. S. Navy, Houston, Tex. Parachute and container. 2,468,130, Apr. 26.
- Stalowski, Walter A., Elizabeth, N. J. Clamp or ligature for clarinets, saxophones, and similar instruments. 2,483,327, Sept. 27.
- Stalter, Joseph F.: See—
Clunan, Albert B., and Stalter.
- Stalter, Joseph F., assignor to Wingfoot Corporation, Akron, Ohio. Packaging apparatus. 2,491,424, Dec. 13.
- Stamatoff, Gelu S., Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyvinyl alcohol. 2,478,431, Aug. 9.
- Stambaugh, Robert P.: See—
Duggan, Fred W., and Stambaugh.
- Stamberger, Paul, Stamford, Conn. Plastic compositions made with vulcanized, polyethylene glycol esters as plasticizers. 2,459,298, Jan. 18.
- Stamets, William K., assignee: See—
Hibbard, Robert L.
- Stamm, Alfred J., Madison, Wis.: dedicated to the free use of the people in the territory of the United States. Destructive distillation of solids in a liquid bath. 2,459,550, Jan. 18.
- Stamm, Alfred J., and H. D. Turner, Madison, Wis.: dedicated to the free use of the people in the territory of the United States. Apparatus for corrugating sheet material. 2,481,049, Sept. 6.
- Stamm, John C., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,463,822, Mar. 8.
- Stamm, Robert F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Wernicke prism spectrometers and improved liquids therefor. 2,483,244, Sept. 27.
- Stammers, Douglas W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Unsymmetrical cyanines. 2,464,537, Mar. 15.
- Stamos, Harry N., Centerville, Iowa. Paraffin remover. 2,475,160, July 5.
- Stamper, Hamilton A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Remote-control system. 2,471,843, May 31.
- Stancel Asphalt & Bitumuls Company, assignee: See—
Buckley, Walter D., and McCoy.
Manzer, Donald N.
McCoy, Paul E.
McCoy, Paul E., and Smith.
Watts, Vilas E., and Thompson.
Wooster, Leonard C., and Gardiner.

- Standal, Melvin J., assignor to Federal Cartridge Corporation, Minneapolis, Minn. Propellant cartridge for mortar shells. 2,466,561, Apr. 5.
- Standal, Stanley E. M., Spokane, Wash. Chain saw. 2,488,343, Nov. 15.
- Standard Brands Incorporated, assignee: *See*—
Barch, William E.
Robinson, Adrian A.
- Standard Catalytic Company, assignee: *See*—
Fischer, Herbert G. M.
- Standard Cap and Seal Corporation, assignee: *See*—
Fisher, Franklin M., and Hopp.
- Standard Car Truck Company, assignee: *See*—
Leese, Charles P.
- Standard Concrete Products Corp., assignee: *See*—
Smith, Grady E.
- Standard Container, Inc., assignee: *See*—
Schmidt, Ernest H., Jr.
- Standard Gage Company, Inc., assignee: *See*—
Aldeborgh, Erik H., and Emery.
Emery, Alfred H.
- Standard Manifold Company, Inc., assignee: *See*—
Flesichmann, Lester K.
- Standard Oil Company, assignee: *See*—
Adams, Chester E., and Burney.
Anderson, John A., and Voorhees.
Baillie, James C.
Bartleson, John D.
Besserlich, Arnold C., and Roesch.
Bolt, John A.
Bransky, David W., and Lemmon.
Doyle, Philip C., and Rudd.
Evering, Bernard L., and D'Ouville.
French, August.
Gaynor, James W.
Gunnes, Robert C.
Gunness, Robert C.
Harris, Robert L.
Hibbard, Robert R., and Veatch.
Hughes, Everett C., Bartleson, Sunday, and Fink.
Johnson, Carl E.
Johnson, Everett A.
Johnson, Everett A., and Becker.
Langan, Eugene E., Lemmon, and Schuessler.
Lien, Arthur P., and Evering.
Lyons, Leland R.
Marschner, Robert F.
McSweeney, Ellsworth E.
Musselman, John M.
Page, James M., Jr.
Potter, Raymond I., and Gillett.
Proell, Wayne A.
Roberts, Edward N.
Roberts, Joseph K.
Rudd, Kenneth H.
Scheineman, Fred W.
Seebold, James E.
Seelig, Herman S., and Zisson.
Shankland, Rodney V.
Shoemaker, Bernard H., Adams, and Proell.
Sorg, Leonard V.
Stamm, John C.
Stoner, George G., and Savage.
Swenson, Reuben A.
Swenson, Reuben A., and Weltkamp.
Taylor, Harry N., and Droege Mueller.
Voorhees, Vanderveer.
Watson, Roger W.
Watson, Roger W., and Loane.
Weltkamp, Alfred W.
White, Philip C.
- Standard Oil Company, The, assignee: *See*—
Burk, Robert E., and Hughes.
Hughes, Everett C., and Darling.
Hughes, Everett C., and Veatch.
Leonard, John E., and Bearse.
Loane, Clarence M., and Rogers.
Musselman, John M.
Symonds, Fred L.
- Standard Oil Development Company, assignee: *See*—
Ahrens, George L.
Amick, Erwin H., Jr.
Amick, Erwin H., Jr., and Harney, Jr.
Anderson, James A., Jr.
Archibald, Francis M.
Arundale, Erving.
Bain, Frederick A., and Emmerson.
Baldwin, Francis P.
Bannon, Lewis A.
Bannon, Lewis A., and Morrell.
Barr, Frank T.
Barr, Frank T., and Scharmann.
Baskin, Charles M., and McLeod.
Beach, Leland K., and Connolly.
Beamer, Clayton M., and Fuqua.
Beerbower, Alan, and Morway.
Billsoley, Julius P.
Black, James E.
Blackwood, Albert J.
Bonnell, Leonard S.
Brakeley, Paul W., Jr., and Young.
Brandon, Richard C.
- Standard Oil Development Company, assignee: *See*—
Continued.
Brandon, Richard C., and Jones.
Brooks, Benjamin T.
Browder, John G., Love, Schutze, and Tannich.
Bruce, William A.
Buckley, Donald J., and Chaney.
Burnside, Harvey E. W.
Calfee, John D., Thomas, and Flory.
Camp, Elza Q.
Campbell, Donald L.
Carlson, Carl S., Robertson, and Porter.
Carrier, Egbert W.
Chambers, Thomas S., and Slotterbeck.
Chappell, Robert E., and Beamer, and Duff.
Clayton, Robert E., Jr.
Cohen, Charles A.
Cone, John H., and Comeaux.
Connolly, Gerald C.
Cooper, Lyle M.
Corner, Eugene S.
Crookston, Robert R.
Cyphers, Elmer B., and McNulty.
Dart, Jack C., and Smith.
Davis, Garland H. B.
Davis, Richard M.
Dayton, Herbert P., and Kollenberg.
De Verter, Paul L.
Dornie, Ralph W., and Young.
Duncan, Gordon W., and Zimmer.
Dupas, Robert.
Eby, Lawrence T.
Eby, Lawrence T., and Mikeska.
Elmore, Norman M., and Gessler.
Ferguson, Robert P.
Fischer, Herbert G. M.
Fischer, Wilbur F.
Forrester, Robert A.
Frolich, Per K., and Arundale.
Fuqua, Mack C.
Garber, John D.
Garrett, Bowman S.
Gathman, Albert, and Egberts.
Gerbes, Otto.
Gidley, Philip T.
Gilbert, George R.
Gleason, Anthony H., and Vanderbilt.
Gohr, Edwin J.
Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
Gohr, Edwin J., and Tyson.
Griffin, Lindsay L., Jr.
Gross, George W.
Gurd, George W., and Sproule.
Hall, Homer J., and Jonach.
Harlan, John L.
Haworth, Joseph P., and Baldwin.
Heinrich, Raymond L.
Hemminger, Charles E.
Herbst, Walter A.
Hibshman, Henry J.
Hildebrandt, Alexander B.
Hill, Boyd N.
Hillman, Charles A., Long, and Scott.
Hineline, Harris D., and Young.
Hockberger, William G.
Holder, Clinton H.
Holmes, August.
Holt, Philetus H., II, and Menshig.
Holtzclaw, John B.
Howard, Frank A.
Howe, Ralph F.
Howell, Lynn G.
Hungate, William.
Hunter, Edward A.
Hunter, Edward A., and Kimberlin, Jr.
Jackson, Robert M., and Harrington.
Jones, Minor C. K.
Jones, Minor C. K., and Brandon.
Kean, Clare H.
Kearby, Kenneth K.
Kimberlin, Charles N., Jr.
Kimberlin, Charles N., Jr., and Schexnaider.
Kleiber, Carl E., Campbell, Stines, and Nelson.
Kraus, Charles A., and Calfee.
Krebs, Robert W.
Leesemann, Charles J. G.
Leland, Hollis L.
Lewis, Warren K., Jr.
Lieber, Eugene.
Lieber, Eugene, and Cashman.
Lieber, Eugene, Cashman, and Dean.
Lieber, Eugene, and Dean.
Lieber, Eugene, and Sadlon.
Lippincott, Samuel B.
Long, John D., and Rhys.
Long, Robert W.
Longwell, John P.
Lovell, John B.
Lovell, John B., and Fuqua.
Luetzelschwab, Edgar J.
Mack, Charles.
Main, Thomas C.
Martin, Homer Z.
McAdams, Don R., and Segura.
McNab, John G., and Bartlett.

Standard Oil Development Company, assignee: See—
Continued.

McNab, John G., McNulty, and Cross.
McNab, John G., and Rogers.
McNab, John G., and Rudel.
McNab, John G., and Winning.
Meier, Herbert H.
Mikeska, Louis A.
Mikeska, Louis A., and Kittleson.
Miller, Pharis.
Moise, James E.
Moore, Thomas G.
Morrell, Charles E., and Robey.
Morrell, Charles E., and Swaney.
Morway, Arnold J.
Morway, Arnold J., and Daniels.
Morway, Arnold J., and Leland.
Morway, Arnold J., and Young.
Morway, Arnold J., and Zimmer.
Mosesman, Max A.
Mottern, Henry O., and Archibald.
Munday, John C.
Munday, John C., and Matuszak.
Munday, John C., and Nicholson.
Munday, John C., and Rogers.
Murphree, Eger V.
Nelson, Joseph F.
Nelson, Joseph F., and Sparks.
Nelson, Karl J.
Norway, Arnold J., and Zimmer.
Nunn, Leslie G., Jr.
Ogorzaly, Henry J.
Ogorzaly, Henry J., and Voorhies, Jr.
Ohsol, Ernest O., and Patterson.
Oliver, Eugene H., and Van Berg.
Owen, John J.
Packie, John W., and Glazier.
Paliwoda, Miriam A., and Duncan.
Palmer, Frederick A.
Parker, Paul T.
Patterson, John A.
Payne, Michael A.
Peck, Edward B.
Peck, Edward B., and Tomkins.
Peet, Nick P.
Pierce, Jerry A.
Pierce, Jerry A., and Kimberlin, Jr.
Pierce, Jerry A., and Richardson.
Purdy, Kenneth M.
Purvin, Robert L.
Read, Chester L.
Rehner, John, Jr., and Flory.
Rex, Walter A., and Roetheli.
Robbins, Leroy V., Jr., and Luening.
Robertson, Anthony E.
Robey, Richard F.
Roetheli, Bruno E.
Roetheli, Bruno E., and Sharmann.
Rogers, Dilworth T., and Bartlett.
Rogers, Dilworth T., and McNab.
Rollman, Walter F.
Rose, Harold J., and Price.
Rose, Harold J., and Rowan.
Rose, Walter D.
Rosen, Raphael, and Sparks.
Rudel, Harry W.
Rupp, Walter H.
Salathiel, Richard A.
Sankowsky, Nicholas A.
Scharmann, Walter G.
Scharmann, Walter G., and Nelson.
Schexnaider, Robert E., Jr., and Hunter.
Schiller, James C.
Schneider, Helmuth G., and Mistretta.
Schutze, Henry G.
Scott, Clarence B.
Segura, Marnell A.
Segura, Marnell A., and McAdams.
Serniuk, George E.
Seyfried, Wilson D.
Shmidl, Albert J.
Singleton, Henry M.
Slotterbeck, Ober C.
Smith, Warren M.
Smith, Warren M., and Mason.
Smith, Winthrop C.
Snyder, Joseph A.
Sparks, William J., and Thomas.
Sparks, William J., and Young.
Sproule, Lorne W., and King.
Steele, Clellie T., and Fuqua.
Stevenson, Clarence H.
Stone, Albert L.
Sumerford, Simpson D.
Swaney, Miller W., and Serniuk.
Sweeney, William J.
Sweetser, Sumner B.
Sweetser, Sumner B., and Smith.
Thomas, Benjamin W.
Thomas, Robert M., and Reynolds.
Thomas, Robert M., Young, and Calfee.
Thompson, William I., and Tyson.
Tyson, Charles W.
Vanderbilt, Byron M., and Bascom.
Vanderbilt, Byron M., and Hetchler.

Standard Oil Development Company, assignee: See—
Continued.

Van Fleet, Clarence D.
Van Gilder, Carl F.
Verner, Jules.
Vesterdal, Hans G.
Vickers, Herbert H.
Viles, Prentiss S.
Viles, Prentiss S., and Camp.
Voorhies, Alexis, Jr.
Voorhies, Alexis, Jr., and Marshall.
Voorhies, Alexis, Jr., and Owen.
Voorhies, Alexis, Jr., and Sydnor.
Waddell, Clarence C., Vickers and Waterman.
Wadley, Edward F.
Walden, George H., Pierce, and Segura.
Wasson, Jones I., and Duncan.
Wasson, Jones I., and Hand, Jr.
Wasson, Jones I., and Zimmer.
Waterman, Wendell W.
Watson, C. Newbold.
Welge, Henry J.
Welty, Albert B., Jr.
Welty, Albert B., Jr., and Holder.
Welty, Albert B., Jr., and Rollman.
Whittlesey, John V.
Wilcox, Leon J.
Wilson, Glenn W., Jr.
Wilson, Samuel W.
Winning, Carl.
Wright, Richard O.
Wrightsmen, Gilbert G.
Wurth, Walter A., and Lane.
Young, David W.
Young, David W., and Brakeley.
Young, David W., and Britton.
Young, David W., and Smyers.
Young, David W., and Sparks.
Yowell, Howard L., and Morrell.
Yowell, Howard L., and Swaney.
Zimmer, John C.
Zimmer, John C., and Beerbower.
Zimmer, John C., Carlson, and Duncan.
Zimmer, John C., and Duncan.
Zimmer, John C., and Morway.
Standard Oil and Gas Company, assignee: See—
Phinney, John A.
Standard Railway Equipment Manufacturing Company,
assignee: See—
Bronson, Sabin C.
Gilpin, Garth G.
Stone, Stanley J.
Swanson, Earl R.
Thompson, Alfred L.
Standard Register Company, The, assignee: See—
Davidson, John T., and Kroemer.
Standard Screw Company, assignee: See—
Corlett, Webster D.
Standard Steel Spring Company, assignee: See—
Foulkes, Christopher H.
Hammond, Milton E., and Komarnitsky.
Lindsay, Edward C., and Anderson.
Rowland, Frederick T.
Standard Steel Works, assignee: See—
Seigel, William J.
Standard Stoker Company, Inc., The, assignee: See—
Freed, Theodore F.
Rhodes, Herbert C.
Standard Stoker Company, Incorporated, The, assignee:
See—
Marsden, John B.
Martin, Eugene.
Standard Telephones and Cables Limited, assignee: See—
Driver, Douglas L. A.
Seath, Edward G., and Klepp.
Standard-Thomson Corporation, assignee: See—
Early, Paul E.
Standard Ultramarine Company, assignee: See—
Moser, Frank H.
Standard-Vacuum Oil Company, assignee: See—
Jones, Norman L.
Standen, John H.: See—
Steward, William D., and Standen.
Standfast, George A., Jefferson City, Mo. Railway rail
joint. 2,472,446, June 7.
Standish, John F., Winthrop, Mass., assignor to United
Shoe Machinery Corporation, Flemington, N. J. Lock
for work supports of fastening-inserting machines.
2,482,131, Sept. 20.
Sta-Neet Corporation, assignee: See—
Mansfield, Warren M.
Sanders, Sanford E. A.
Stanier, John S., and E. B. Plott, assignors to The Youngs-
town Sheet and Tube Company, Youngstown, Ohio.
Controlling the rimming of ingots. 2,480,516, Aug. 30.
Stanin, Theodore E.: See—
Dicky, Joseph B., and Stanin.
Dickey, Joseph B., Stanin and Coover, Jr.
Stanitz, Jacques, Warren, assignor to Mullins Manufac-
turing Corporation, Salem, Ohio. Watertight cabinet
joint. 2,464,160, Mar. 8.
Stanitz, Jacques, Warren, assignor to Mullins Manufac-
turing Corporation, Salem, Ohio. Mounting a flat rim
sink on a table top. 2,475,112, July 5.

- Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Table top construction. 2,492,541, Dec. 27.
- Stanke, Frank W., Milwaukee, and L. F. Bender, assignors to The Universal Milking Machine Company, Waukesha, Wis. Suspension hanger. 2,460,856, Feb. 8.
- Stanko, Edward, Haddon Heights, N. J., assignor to Radio Corporation of America. Radio beacon. 2,483,790, Oct. 4.
- Stanley, Alexander J.: *See*—
Holland, William E., Stanley, and Chestnut.
- Stanley, Alexander J., New Brunswick, and L. E. Barnes, North Plainfield, N. J., assignors to Industrial Tape Corporation. Tape dispenser and supporting bracket assembly. 2,477,014, July 26.
- Stanley, Clyde P., Phillips, Tex., assignor to Phillips Petroleum Company. Absorption process. 2,487,577, Nov. 8.
- Stanley, Henry M., Buhl, Minn. Wallpaper trimmer. 2,473,551, June 21.
- Stanley Home Products, Inc., assignee: *See*—
Openshaw, James A.
- Stanley, Jack R., assignee: *See*—
Wheelock, Raymond.
- Stanley, Joseph R.: *See*—
Jones, Basil E., and Stanley.
- Stanley, Lester N.: *See*—
Von Glahn, William H., and Stanley.
- Stanley, Noble D., Sr., Fayetteville, N. C. Map and key holder. 2,471,127, May 24.
- Stanley, Richard B.: *See*—
Conn, Alfred J., and Stanley.
- Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,461,575, Feb. 15.
- Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Reinforced thread-advancing reel. 2,461,576, Feb. 15.
- Stanley Works, The, assignee: *See*—
Godfrey, James H.
Stowell, Austin L.
- Stanmyre, Rudolph W., Syracuse, N. Y. Device for indicating the sum of the intensity and duration of sound. 2,469,282, May 3.
- Stanmyre, Rudolph W., Syracuse, N. Y. Decibeloscope. 2,486,890, Nov. 1.
- Stanolind Oil and Gas Company, assignee: *See*—
Elkins, Lincoln F.
Fearon, Robert E.
McCray, George, and Smith.
Michael, Vesta F., and Phinney.
Russell, William L.
Walker, Scott W.
- Stansbury, Hale E., assignor to Thermo Electric Company, Cleveland, Ohio. Therapeutic bath. 2,463,329, Mar. 1.
- Stansfield, Ernest E.: *See*—
Hogan, Clarence E., and Stansfield.
- Stanton, Earl G., Glencoe, Ill., assignor to Libby, McNeill & Libby. Advertising device for containers. 2,461,244, Feb. 8.
- Stanton, Ernest N., Grosse Ile, Mich. Apron. 2,471,910, May 31.
- Stanton, George W., and C. E. Lowry, assignors, to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-isobutylene interpolymers. 2,463,571, Mar. 8.
- Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-vinyl acetate interpolymers. 2,463,572, Mar. 8.
- Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-vinyl chloride interpolymers. 2,463,573, Mar. 8.
- Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-alpha-methyl styrene interpolymers. 2,463,574, Mar. 8.
- Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-ethyl acrylate interpolymers. 2,463,575, Mar. 8.
- Stanton, George W., Contra Costa County, Calif., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Ternary interpolymers of vinylidene chloride, alpha-methyl styrene and acrylonitrile. 2,480,680, Aug. 30.
- Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-acrylonitrile interpolymers. 2,482,073, Sept. 13.
- Stanton, Leonard: *See*—
Wild, Rudolf E., and Stanton.
Wills, Walter P., and Stanton.
- Stanton, Leonard, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Method and apparatus for measuring and controlling. 2,481,485, Sept. 13.
- Stanton, Robert E., Denver, Colo. Apparatus for uninterrupted reproduction of disk phonograph records. 2,462,435, Feb. 22.
- Stanton, Robert E., Denver, Colo. Heat radiating unit for panel heating. 2,480,427, Aug. 30.
- Stanton, Robert H., San Marino, Calif. Rubber recovery method. 2,465,126, Mar. 22.
- Stanton, Robert J.: *See*—
Gagliardi, Nicholas G., Finger, and Stanton.
- Stanton, Robert J., Brooklyn, assignor to Induction Heating Corp., New York, N. Y. Inductor for high-frequency induction heating apparatus. 2,459,971, Jan. 25.
- Stanton, Robert J., Brooklyn, assignor to Induction Heating Corp., New York, N. Y. Induction heating apparatus. 2,479,980, Aug. 23.
- Stanton, Samuel W.: *See*—
Mann, Estle R., and Stanton.
- Mann, Estle R., Stanton and Goldsmith, Jr.
- Stapan, Elia, Culver, Ind. Wheeled toy. 2,486,994, Nov. 1.
- Stapely, George H., South Haven, Mich., assignor to Everett Piano Company. Piano construction. 2,474,599, June 28.
- Staples, Dana R., Ridley Park, Pa., assignor to The Baldwin Locomotive Works. Governing apparatus. 2,472,050, May 31.
- Staples, Edwin S., New York, N. Y. Load range multiplier for use with dynamometers. 2,477,774, Aug. 2.
- Staples, Frederick, assignor to Alfred Bray & Sons Limited, Leicester, England. Circular knitting machine. 2,461,851, Feb. 15.
- Stapleton, George M., Sea Cliff, N. Y., assignor to Ward Leonard Electric Company, Relay. 2,484,358, Oct. 11.
- Stapleton, Herbert J., assignor of one-half to V. D. Stapleton, Kalamazoo, Mich. Shoe lace. 2,477,151, July 26.
- Stapleton, Viola D., assignee: *See*—
Stapleton, Herbert J., and V. D.
- Stapling Machines Co., assignee: *See*—
Kingsley, David G.
Rosenmund, Alfred L.
- Star Bedding Co., The, assignee: *See*—
Paransky, Louis.
- Star Die and Supply Company: *See*—
Magee, Earl E.
- Star Electric Motor Company, assignee: *See*—
Hollander, Emil E.
- Star Head-Light & Lantern Co., Inc., assignee: *See*—
Wolfenden, Edward A.
- Starbeck, Frank L., assignor to L. J. Starbeck, Montevideo, Minn. Combination tooth paste dispenser and toothbrush holder. 2,484,193, Oct. 11.
- Starbeck, Leiah J., assignee: *See*—
Starbeck, Frank L.
- Starbuck, Robert M., Jr., Hartford, Conn. Trepanning tool. 2,473,077, June 14.
- Starck, Clemens B.: *See*—
Nadeau, Gale F., and Starck.
- Starck, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Composition for dip coating solution and dip process for coloring zinc. 2,483,510, Oct. 4.
- Starck, Jesse E., and L. M. Corliss, Detroit, Mich., assignors to United Chromium, Incorporated, New York, N. Y. Method and compositions for producing surface conversion coatings on zinc. 2,469,015, May 3.
- Starck, Jesse E., Birmingham, and F. Passalacqua, Detroit, Mich., assignors to United Chromium, Incorporated, New York, N. Y. Electroplating zinc and baths and compositions for use therein. 2,488,246, Nov. 15.
- Stark, Alex H., Buffalo, N. Y. Device for attracting fish. 2,465,127, Mar. 22.
- Stark, Charles J., Duluth, Minn. Gauge for collocating pipe sections. 2,461,783, Feb. 15.
- Stark, George W.: *See*—
Henry, Ferdinand G., and Stark.
- Stark, John H., Jr., Springfield, Ohio. Collapsible trailer. 2,461,577, Feb. 15.
- Stark, Julian H., Fort Wayne, Ind., assignor to General Electric Company. Brush holder. 2,477,352, July 26.
- Stark, Julian H., Fort Wayne, Ind., assignor to General Electric Company. Brush holder assembly. 2,492,770, Dec. 27.
- Stark, Pearl C., Bartonsville, Vt. Tire chain securing means. 2,478,335, Aug. 9.
- Stark, Rawson E.: *See*—
Stupakoff, Semon H., and Stark.
- Stark, Virgil, New York, N. Y. Method and apparatus for producing heating gas. 2,465,666, Mar. 29.
- Starkey, William A., Zionsville, assignor by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Method and apparatus for electrostatic coating. 2,465,128, Mar. 22.
- Starkey, William C., Indianapolis, Ind. Bidirectional no-back power transmission. 2,458,441, Jan. 4.
- Starkey, William C., assignor, by mesne assignments, to Fletcher Trust Company, Indianapolis, Ind., as trustee. Torque limiting device. 2,459,972, Jan. 25.
- Starkey, William C., assignor to Fletcher Trust Company, Indianapolis, Ind. Load limiting clutch. 2,487,280, Nov. 8.
- Starn, Gleason W., assignor to Starn Tool and Manufacturing Company, Meadville, Pa. Fixture for magnetic chucks. 2,485,220, Oct. 18.
- Starn Tool and Manufacturing Company, assignee: *See*—
Starn, Gleason W.
- Starner, Charles J., Haddonfield, N. J., assignor to Radio Corporation of America. Electron discharge circuit having folded anode inductors. 2,463,724, Mar. 8.

- Starner, Irving F., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe and making same. 2,464,355, Mar. 15.
- Starnes, George E., Fort Mill, S. C. Foot and leg rest. 2,481,050, Sept. 3.
- Starr, Bella: *See*—
Thier, Charles, and Starr.
- Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Power lift connection. 2,484,759, Oct. 11.
- Starr, Philip D., assignor to Tre-Fold Products, Inc., College Park, Md. Rack for household utensils. 2,462,051, Feb. 15.
- Starre, Gerrit: *See*—
Van den Berge, Jan H., and Starre.
- Starrett, L. S., Company, The, assignee: *See*—
Hastings, James E.
- Start, Ernest: *See*—
Cooper, William A., and Start.
- Start, Harry W., and Ernest.
- Start, Harry W., Carlton, and E. Start, Kylestrom, Wilford, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Straight-bar knitting machine. 2,472,175, June 7.
- Stassen, Elmer D., Wanatah, Ind. Battery holder. 2,480,202, Aug. 30.
- State, James C., Kalamazoo, Mich. Dishwashing apparatus. 2,485,673, Oct. 25.
- Stateman, Murray J., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier element. 2,459,848, Jan. 25.
- Stateman, Murray J., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Manufacturing rectifier elements. 2,462,917, Mar. 1.
- Stateman, Murray J., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Manufacturing rectifier elements. 2,468,131, Apr. 26.
- Stateman, Murray J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Testing circuit. 2,459,849, Jan. 25.
- Statham Laboratories, Inc., assignee: *See*—
Statham, Louis D.
- Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Electric angular accelerometer. 2,481,792, Sept. 13.
- Stationers Loose Leaf Company, assignee: *See*—
Lotter, Adolph G.
- Stator Corporation, assignee: *See*—
Gulick, Russell A.
- Whitney, Lyman F.
- Stauder, Edwin G., assignor of one-half to O. B. Stauder, Minneapolis, Minn. Double-acting proportional pressure power amplifier. 2,465,761, Mar. 29.
- Stauder, Edwin G., Minneapolis, Minn., assignor to The Sperry Corporation, New York, N. Y. Combined cutting and creasing dies for paper slotting machines. 2,485,020, Oct. 18.
- Stauder, Olive B., assignee: *See*—
Stauder, Edwin G.
- Staudinger, Hanns P.: *See*—
Cleverdon, Desmond, and Staudinger.
- Staudinger, Hanns P., Ewell, D. Faulkner, Cambridge, and M. D. Cooke, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Glycidyl ester copolymers. 2,470,324, May 17.
- Staudinger, Hanns P., Ewell, and D. Faulkner, Cambridge, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Polymerization of vinylidene chloride copolymers. 2,484,760, Oct. 11.
- Staudt, Rufus T.: *See*—
Oakley, Sterling A., and Staudt.
- Stauffer, Alfred, Honey Brook, Pa. Weeder for potato harvesters and the like. 2,492,600, Dec. 27.
- Stauffer Chemical Company, assignee: *See*—
Belchetz, Arnold.
- Schallis, Alvin.
- Walcott, Raymond H., and Schallis.
- Wieder, Ferd W.
- Stauffer, Earl C., Lancaster Pa. Housing for oil burners. 2,460,370, Feb. 1.
- Stauffer, Earl C., Lancaster, Pa. Radiator. 2,467,410, Apr. 19.
- Stauffer, Robert E.: *See*—
Russell, John, and Stauffer.
- Smith, William F., and Stauffer.
- Stauffer, Robert E., and W. F. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitor for photographic emulsions. 2,458,442, Jan. 4.
- Stauffer, Robert E., and W. F. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Palladium complexes as photographic emulsion stabilizers. 2,472,631, June 7.
- Stauffer, Robert E., and J. Spence, assignors to Eastman Kodak Company, Rochester, N. Y. Fuchsone dyes in a direct positive photographic process. 2,490,758, Dec. 6.
- Stauton, Le Roy W.: *See*—
Lund, Malcolm G., Atkinson, and Stauton.
- Staus, John G., El Paso, Tex. Wheel lever. 2,458,219, Jan. 4.
- Stautzenberger, Adin L., Corpus Christi, and S. B. Jeffries, Kingsville, Tex., assignors to Celanese Corporation of America. Extractive distillation of propionaldehyde from acrolein. 2,476,391, July 19.
- Stava, Robert J., University Heights, assignor to Picker X-ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Film magazine. 2,462,687, Feb. 22.
- Stava, Robert J., University Heights, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Apparatus for laminography. 2,491,224, Dec. 13.
- Stavanger Electro-Staalverk Aktieselskaf, assignee: *See*—
Gjeddebo, Finn.
- Staveley, Wilford: *See*—
Bell, Alfred B., and Staveley.
- Staver, Robert B., Portland, Oreg. Rocket type weapon. 2,490,101, Dec. 6.
- Stavsborgs Aktiebolag, assignee: *See*—
Thiman, Gunnar.
- Staw, Morris, Forest Hills, Long Island, N. Y. Device for heat sealing seams. 2,473,552, June 21.
- Steadman, Thomas R., Akron, Ohio, and C. E. Feazel, Chevy Chase, Md., assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of alpha-beta unsaturated monocarboxylic acid esters. 2,466,501, Apr. 5.
- Steahly, George W., Maplewood, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of phthalic anhydride. 2,486,808, Nov. 1.
- Steam Torch Corporation, assignee: *See*—
Leher, Louis J.
- Stearn, Richard A.: *See*—
Smith, Leatham D., and Stearn.
- Smith, Leatham D., Stearn, and Christianson.
- Stearn, William T.: *See*—
Sutherland, Frederick G., and Stearn.
- Stearns, Dick E., assignee: *See*—
Lee, Robert H.
- Stearns, Dick E., Shreveport, La. Pipe-line saddle. 2,474,920, July 5.
- Stearns, Dick E., Shreveport, La. Protecting subterranean metallic structures. 2,491,225, Dec. 13.
- Stearns, Edwin L., Jr., North Plainfield, and G. L. Buc, Orange, N. J., assignors to American Cyanamid Company, New York, N. Y. Photometric apparatus and spectrophotometer using polarized light and an optically active plate. 2,471,248, May 24.
- Stearns, Edwin L., Jr., North Plainfield, and G. L. Buc, Orange, N. J., assignors to American Cyanamid Company, New York, N. Y. Photometric apparatus and spectrophotometer using polarized light and a multiple retardation plate. 2,471,249, May 24.
- Stearns, Kenneth R., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchanger or condenser support. 2,464,356, Mar. 15.
- Stearns, Kenneth R., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unit power plant. 2,464,357, Mar. 15.
- Stearns Magnetic Mfg. Co., assignee: *See*—
Stearns, Roswell H.
- Stearns, Robert J., Auburn, Mass. Combined barrel truck and rack. 2,489,390, Nov. 29.
- Stearns-Roger Manufacturing Company, The, assignee: *See*—
Nelson, Manley R.
- Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,461,008, Feb. 8.
- Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,471,911, May 31.
- Stearns, Sidney S., assignee: *See*—
Gargiulo, Giuseppe.
- Stearns, Sidney S., Miami Beach, Fla., assignor to Super-Vent Co., Chicago, Ill. Window structure and operating mechanism therefor. 2,478,061, Aug. 2.
- Stears, Willard A., Detroit, Mich., assignor to Graton & Knight Company, Worcester, Mass. Oil seal. 2,466,335, Apr. 5.
- Steatite Research Corporation, assignee: *See*—
Mosthaf, Edwin.
- Stechbart, Bruno, Park Ridge, assignor to Bell & Howell Company, Chicago, Ill. Intermittent strip feed mechanism of the reciprocating type. 2,489,829, Nov. 29.
- Stecher, Henry D., Lakewood, and E. F. Jackman, deceased, Lakewood, Ohio, by H. E. Jackman, administratrix, Lansing, Mich., said Stecher assignor to The Weatherhead Company, Cleveland, Ohio. Tube coupling. 2,469,851, May 10.
- Stecher, Paul, New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Fused riboflavin-amide. 2,480,517, Aug. 30.
- Steck, Robert C.: *See*—
Garrett, Elmer E., Steck, and Yasensky.
- Steckel, Abram P., Youngstown, Ohio. Water kite. 2,462,568, Feb. 22.
- Steckelberg, Glenn, Chamberlain, S. Dak. Toggle actuated wrench with hydraulic control. 2,487,281, Nov. 8.
- Steckler, Nat P., New York, N. Y. Pacifier. 2,462,786, Feb. 22.
- Steckley, Grace C., Los Angeles, Calif. Stamping press. 2,489,229, Nov. 22.
- Steczynski, Myron E., Chicago, Ill., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Taper pipe thread gauge. 2,487,677, Nov. 8.
- Stedman, James A., Cranston, R. I., assignor to Curtis Engineering Company. Attachment for inside micrometers. 2,466,916, Apr. 12.

- Stedman, Russell F.: *See*—
Friedman, Bernard S., and Stedman.
- Steed, Leonard L., Binghamton, assignor to Endicott Johnson Corporation, Endicott, N. Y. Making vulcanized, fabric-upper shoes. 2,486,995, Nov. 1.
- Steeds, William J.: *See*—
Baldwin, Alan, and Steeds.
- Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J.
- Steel Ingot Production, Inc., assignee: *See*—
Lindemuth, Lewis B.
- Steel, John F., assignor to Freez-Pak Corporation, New York, N. Y. Portable refrigerator. 2,492,601, Dec. 27.
- Steel, Joseph W.: *See*—
Kruse, William P., and Steel.
- Steel Products Engineering Company, The, assignee: *See*—
Condit, William B., Helfrick, and Poole.
- Sasser, John D.
Sherman, Thomas L.
- Steele, Clellie T., and M. C. Fuqua, Baton Rouge, La., assignors to Standard Oil Development Company. Ether purification. 2,485,329, Oct. 18.
- Steele, F. I.: *See*—
Birk, Paul M., and Steele.
- Steele, Frederick L., Columbus, Ohio, and Q. P. Thompson, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Arresting and access means. 2,481,454, Sept. 6.
- Steele, Homer M., Ashland, Ky. Fender door lock. 2,469,233, May 3.
- Steen, Carl A., Getinge, Sweden. Electric steam boiler. 2,468,244, Apr. 26.
- Steen, Carl A., Getinge, Sweden. Electric heating device. 2,479,981, Aug. 23.
- Steen, Gottfrid W.: *See*—
Machlett, Raymond R., and Steen.
- Steen, Harry S.: *See*—
Brown, Frank L., and Steen.
- Steen, Wilbur L., Grand Rapids, Mich. Gluing device. 2,465,941, Mar. 29.
- Steenstrup, Carl H., Schenectady, N. Y., assignor to General Electric Company. Compressor. 2,485,417, Oct. 18.
- Steere, George R., Ipswich, Mass. Making water gas. 2,471,791, May 31.
- Steere, George R., Ipswich, Mass. Apparatus for making water gas. 2,471,792, May 31.
- Steere, Raymond J., Rockwood, Tenn. Hosiery support or garter. 2,473,113, June 14.
- Stees, Joseph H., Freeport, Ill. Hoisting and dumping vehicle. 2,491,780, Dec. 20.
- Stefan, Jane H., assignee: *See*—
Stefan, Stanley B.
- Stefan, Stanley B., assignor of fifty per cent to J. H. Stefan, Hamtramck, Mich. Novelty package. 2,470,058, May 10.
- Stefanelli, Paul J., Washington, D. C. Paste applying machine. 2,467,998, Apr. 19.
- Steffen, Albert H.: *See*—
Coleman, Harold M., Steffen, and Hopkins.
- Steffens, Herman H., Corder, Mo. Automatic hog oller. 2,481,361, Sept. 6.
- Steffens, John A., Suffern, assignor to The Hurd Corporation, New York, N. Y. Making fruit juice concentrates. 2,492,505, Dec. 27.
- Steffensen, Einar V.: *See*—
Dunham, Le Roy S., and Steffensen.
- Stegeman, Wilson, Santa Rosa, Calif. Weed puller. 2,465,129, Mar. 22.
- Stegemeyer, Lou A., Cincinnati, Ohio, assignor to Emery Industries, Inc. Preparation of oleonitrile. 2,460,772, Feb. 1.
- Stegkemper, George H., Parma, Ohio. Transmission. 2,482,298, Sept. 20.
- Stegmaier, Fritz, New York, N. Y. Knife for lauter machines. 2,490,384, Dec. 6.
- Steinberger, Lawrence J., Milwaukee, Wis. Letter erector for theatre signs. 2,487,738, Nov. 8.
- Stehlik, Rudolph F., Antwerp, Belgium, assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic toll-ticketing telephone system. 2,486,722, Nov. 1.
- Stehlik, Rudolph F., Antwerp, Belgium, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Contact bank. 2,487,282, Nov. 8.
- Stehling, Chas. H., Company, assignee: *See*—
Stehling, Ralph J.
- Stehling, Ralph J., assignor to Chas. H. Stehling Company, Milwaukee, Wis. Hydraulic drive for leather-working machines. 2,471,984, May 31.
- Stehman, Carlyle J.: *See*—
Heider, Rudolph L., and Stehman.
- Stehr, Kord H., Brooklyn, N. Y. Water-borne swimming pool. 2,464,358, Mar. 15.
- Stelding, John B.: *See*—
Whitehead, William, and Steiding.
- Stelger, Norbert, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Metal mercaptides of 2-amino-benzenethiol. 2,490,717, Dec. 6.
- Stelger, Norbert, Nutley, and O. Keller, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Metal derivatives of ortho-carbamyl-benzenethiol. 2,480,342, Aug. 30.
- Steigleman, Forrest E., Baltimore, Md. Repair of dentures. 2,471,501, May 31.
- Stein, Albert P., assignee: *See*—
Gassmann, Raymond M.
- Stein, Carsten D.: *See*—
Robinson, Frank M., and Stein.
- Stein, Charles F., assignor to Pratt, Read and Company, Inc., Ivoryton, Conn. Piano action. 2,468,132, Apr. 26.
- Stein, Frank E.: *See*—
Raker, Herman C., and Stein.
- Stein, Fred, Bridgeport, Conn. Cigarette dispensing container and lighter. 2,462,231, Feb. 22.
- Stein, Frederick K., Rockford, Ill. High-low speed attachment for drill presses. 2,474,500, June 28.
- Stein, Gustav A., Plainfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Stabilization of DDT. 2,461,852, Feb. 15.
- Stein, Hall & Co., Inc., assignee: *See*—
Bauer, Hans F., and Glabe.
- Caesar, George V.
Caesar, George V., Bauer, and Hawley.
La Piana, Fred G.
Nelson, Harley E.
- Stein, Hames H.: *See*—
Gibbs, Clifford J., and Stein.
- Stein, Irving, Forest Hills, N. Y. Music box element. 2,473,602, Aug. 9.
- Stein, James H., Toms River, N. J. Magnetic field angular gradientometer. 2,490,102, Dec. 6.
- Stein, John I., Muncie, Ind. Incandescent electric heater. 2,471,128, May 24.
- Stein, Joseph M., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control means. 2,462,232, Feb. 22.
- Stein, Joseph M., and R. W. Egglestone, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-layer single-phase winding. 2,470,663, May 17.
- Stein, Joseph M., Buffalo, and J. R. Greenemeyer, Eggertsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Centrifugal switch for single-phase motors. 2,484,254, Oct. 11.
- Stein, Leo, Chicago, Ill. Luggage seam reinforced by a U-shaped plastic strip having a T-shaped cross-section. 2,487,051, Nov. 15.
- Stein, Matt, and L. Begun, assignors to Hollywood Comic Flash, Inc., Chicago, Ill. Flashlight film and picture projecting device. 2,478,336, Aug. 9.
- Stein, Robert A.: *See*—
Beaman, Bernard, Hulman, and Stein.
- Stein, Samuel, New York, N. Y. Torsional vibration pickup. 2,469,417, May 10.
- Stein, Theodore W., Butte, Mont. Reticule for firearm telescopes. 2,481,254, Sept. 6.
- Steinacher, Henry C., Carrollton, Ill. Self-unloading wagon. 2,489,055, Nov. 22.
- Steinacher, Rudolph, New York, N. Y. Sliding jaw wrench with sliding rack catch. 2,478,789, Aug. 9.
- Steinbacher, Le Roy S., Battle Creek, Mich. Receptacle support. 2,470,271, May 17.
- Steinback, Ralph T.: *See*—
Bowman, John R., and Steinback.
- Steinberg, Ervin B.: *See*—
Martl, Othmar K., and Steinberg.
- Steinberg, Robert, Great Neck, N. Y. Glove or the like. 2,462,787, Feb. 22.
- Steinberger, Alfred J.: *See*—
Schneider, George, and Steinberger.
- Steinberger, Arthur W., Elizabeth, N. J., assignor to Curtiss-Wright Corporation. Welding, plate and propeller blade construction. 2,466,562, Apr. 5.
- Steinberger, John J., St. Paris, Ohio. Method and apparatus for integrating information concerning production and other operating schedules. 2,484,058, Oct. 11.
- Steinbrecker, Fred: *See*—
Henkes, Peter M., and Steinbrecker.
- Steincross, Gerald B., Long Beach, Calif. Voltage regulator. 2,474,287, June 28.
- Steinemann, Willy, Basel, assignor to Sandoz Limited, Fribourg, Switzerland. Monoazo dyestuffs and making same. 2,482,946, Sept. 27.
- Steiner, Arnold B.: *See*—
Clark, Donald E., and Steiner.
- Steiner, Arnold B., La Jolla, assignor to Kelco Company, San Diego, Calif. Alginate ice-cream stabilizing composition. 2,485,934, Oct. 25.
- Steiner, Arnold B., La Jolla, and W. H. McNeely, assignors to Kelco Company, San Diego, Calif. Substituted alkylene glycol esters of alginic acid. 2,463,824, Mar. 8.
- Steiner, Arnold B., La Jolla, and L. B. Rothe, assignors to Kelco Company, San Diego, Calif. Stabilizer for icings. 2,474,019, June 21.
- Steiner, Arnold B., La Jolla, and G. D. Sperry, assignors to Kelco Company, San Diego, Calif. Stabilized ice-cream mixes. 2,485,935, Oct. 25.
- Stelner, Edward C.: *See*—
Francisco, William H., Jr., Stelner, and Hill.
- Stelner, Ezekiel C., Los Angeles, Calif. Adjustable band-saw wheel mounting means. 2,463,437, Mar. 1.
- Stelner, Ezekiel C., Los Angeles, Calif. Gauge for band saws or the like. 2,463,438, Mar. 1.

- Steiner, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Cylinder liner for opposed piston engines. 2,461,853, Feb. 15.
- Steiner, Herbert : *See*—
Rowley, Derrick, Steiner, and Zimkin.
- Steiner, Oscar, assignor to Graflex, Inc., Rochester, N. Y. Aerial camera with photoelectric means responsive to illumination bomb for operating grid shutter. 2,485,119, Oct. 18.
- Steinert, Emil F., Williamsville, and C. H. Jennings, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current arc welding system. 2,473,917, June 21.
- Steingruber, George, Atlanta, Ga. Portable electric space heater. 2,479,425, Aug. 16.
- Steinhart, Edward F., Wildwood Crest, N. J. Fishing lure. 2,483,245, Sept. 27.
- Steinhauer, Fritz P., Chicago, Ill. Artificial bait. 2,464,465, Mar. 15.
- Steinhaus, David, Lake Forest, Ill., assignor to Central Scientific Company. Optical projection comparator with projected standard scales and templates therefor. 2,488,146, Nov. 15.
- Steinhilber, Adolf A., Rock Island, Ill., assignor to The Servus Rubber Company. Method and apparatus for cementing rubber articles. 2,480,786, Aug. 30.
- Steinhoff, John R., Brooklyn, N. Y., assignor to J. G. Poole, Raleigh, N. C. Electronic tube. 2,484,194, Oct. 11.
- Steinitz, Stephan, New York, N. Y., assignor to Ward Leonard Electric Company. Voltage and phase control. 2,459,551, Jan. 18.
- Steinmann, Willy, Zurich-Wipkingen, assignor to Patenhold Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Direction finding apparatus. 2,461,187, Feb. 8.
- Steinmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Three-phase transformer construction. 2,458,112, Jan. 4.
- Steinmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Protective device and signal means for circuit breakers. 2,468,645, Apr. 26.
- Steinmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Aerial cable cutout. 2,475,341, July 5.
- Steinmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Fuse tube adapter. 2,484,970, Oct. 18.
- Steinmeyer, Frederick W., Oakland, Calif. Sectional hinged fold holder. 2,474,552, June 28.
- Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Bearing shunt means. 2,459,099, Jan. 11.
- Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Ballast system for locomotives. 2,467,703, Apr. 19.
- Steins, Carleton K., Merion, and H. A. Hoke, Altoona, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Fluid motor with emergency supply reservoir. 2,457,937, Jan. 4.
- Stellin, Dominic V., Detroit, Mich. Interchangeable drill jig bushing and liner therefor. 2,490,718, Dec. 6.
- Stelmack, Stanley, Philadelphia, Pa. Storage battery with level indicator. 2,471,660, May 31.
- Stelzer, Madelon J. : *See*—
Stelzer, William and M. J.
- Stelzer, William, East Orange, N. J. Combined power and manually operated brake booster. 2,458,803, Jan. 11.
- Stelzer, William, Summit, N. J. Heat exchange system. 2,484,127, Oct. 11.
- Stelzer, William and M. J., Summit, N. J. Garden cart. 2,461,353, Feb. 8.
- Stelzl, Howard M. : *See*—
Schwarz, Bertram A., Stelzl, and Wright.
- Stem, Donald E., assignee : *See*—
Willard, Robert E.
- Stember, Bernard, Summit, N. J. Multicompartment purse. 2,463,917, Mar. 8.
- Stemland, Odgard C., Minneapolis, Minn. Razor blade sharpener. 2,458,443, Jan. 4.
- Stempel, Arthur : *See*—
Aeschlimann, John A., and Stempel.
- Stempel, Edward H., and M. Nelson, assignor to American Gas Machine Company, Albert Lea, Minn. Pot type oil burner with a circumferential vaporizing chamber. 2,466,563, Apr. 5.
- Stenberg, Thornton R., Troy, F. T. King, Larchmont, and M. Immermann, Piermont, assignors to Behr-Manning Corporation, Troy, N. Y. Hand sander. 2,492,602, Dec. 27.
- Stender, John I. : *See*—
Stender, John L. and J. I.
- Stender, John L., and J. I. Stender, Erie, Mich. Shunt control unit. 2,474,600, June 28.
- Stenehjem, Ralph W., and R. E. Cox, San Jose, Calif., assignors to International Minerals and Chemical Corporation. Glutamic acid purification process. 2,487,739, Nov. 8.
- Stenger, Richard C. : *See*—
Buttery, Kenneth T., and Stenger.
- Stenger, Vernon A., assignor to The Dow Chemical Company, Midland, Mich. Cesium bromide separation. 2,481,455, Sept. 6.
- Stengren, Jon, Forest Hills, assignor to E. McSweeney, New York, N. Y. Display box. 2,464,951, Mar. 22.
- Stentz, Carl E., Alhambra, Calif., assignor to Radiator Specialty Company. Tank ball valve. 2,475,681, July 12.
- Stenvall, Carl B., New Rochelle, N. Y. Adhesive bandage and method and apparatus for making the same. 2,476,924, July 19.
- Stenwall, Robert, Newaygo, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Ring grinding fixture. 2,481,173, Sept. 6.
- Stenzel, Roy A., Cambridge, assignor of one-half to A. C. Yengling, Munson Township, Henry County, Ill. Wind-row turner. 2,486,766, Nov. 1.
- Stephan, Frank, Racine, Wis. Combination electric plug and switch. 2,480,787, Aug. 30.
- Stephanoff, Nicholas N., Elkton, Md., assignor, by mesne assignments, to C. H. Wheeler Manufacturing Company. Method and apparatus for treating materials. 2,460,546, Feb. 1.
- Stephany Poultry Company, assignee : *See*—
Porter, Henry F.
- Stephen, James, assignor to Highway Trailer Company, Edgerton, Wis. Support for trailer vehicles. 2,458,312, Jan. 4.
- Stephens-Adamson Mfg. Co., assignee : *See*—
Moore, Chester C., and King.
Sinden, Alfred D.
- Stephens, Allen C., Washington, D. C. Target indicator. 2,486,503, Nov. 1.
- Stephens, Cecil E., Eufaula, Ala. Loading trailer. 2,463,212, Mar. 1.
- Stephens, Dishman K., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Expansion plug for pipe. 2,487,991, Nov. 15.
- Stephens, Foster M. : *See*—
Bechtold, Ira C., Stephens, and Newman.
- Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Elimination of pulsations in gas lines. 2,474,553, June 28.
- Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas line pulsation dampening system. 2,474,555, June 28.
- Stephens, Foster M., Los Angeles, and C. F. Yates, North Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Apparatus for pulsation elimination in fluid streams. 2,474,554, June 28.
- Stephens, Henry C., Downey, assignor of one-half to P. H. Philbin, Jr., Los Angeles, Calif. Water ski. 2,482,074, Sept. 13.
- Stephens, Joseph F., Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company. Tube coupling. 2,465,972, Mar. 29.
- Stephens, Joseph F., Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company. Composite pipe. 2,467,999, Apr. 19.
- Stephens, Joseph F., Kissimmee, Fla. Manually driven portable steering propeller. 2,487,195, Nov. 8.
- Stephens, Louis R., assignee : *See*—
Abell, Frank.
- Stephens, Robert S., Decatur, Ill. Rail anchor. 2,480,975, Sept. 6.
- Stephens, Wayne P., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Locomotive load control. 2,478,135, Aug. 2.
- Stephens, William T., assignor, by mesne assignments, to Hydraulic Equipment Company, Cleveland, Ohio. Control valve for double-acting hydraulic systems. 2,477,669, Aug. 2.
- Stephens, William T., Painesville, Ohio. Rotary balanced vane pump. 2,473,309, June 14.
- Stephens, William T., Painesville, Ohio. Controlled stroke cylinder. 2,478,790, Aug. 9.
- Stephenson, Basil, Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Elliptical planetary frame for openings in pressure cabins for aircraft. 2,473,616, June 21.
- Stephenson, Chester E., Columbus, Ohio. Device for stretching, crimping, and twisting crepe paper. 2,464,657, Mar. 15.
- Stephenson Corporation, assignee : *See*—
Goodner, Monroe H.
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Combination coupling and overload cam operated device. 2,461,298, Feb. 8.
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Electric motor driving mechanism. 2,467,870, Apr. 19.
- Stephenson, James R., assignor to General Motors Corporation, Dayton, Ohio. Belt feed mechanism for rapid fire guns. 2,466,564, Apr. 5.
- Stephenson, John G. : *See*—
Fubini, Eugene, Kriegel, and Stephenson.
- Stephenson, Richard G., and W. M. Bush, Poquonock Bridge, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Transformer network. 2,461,091, Feb. 8.
- Stephenson, Thomas W., Detroit, and C. F. Kramer, Birmingham, assignors to Ford Motor Company, Dearborn, Mich. Station wagon. 2,474,991, July 5.
- Stephenson, Thomas W., Detroit, and C. W. Bugbee, Royal Oak, assignors to Ford Motor Company, Dearborn, Mich. Rear fender construction. 2,474,992, July 5.

- Stephenson, Thomas W., Detroit, and C. W. Bugbee, Royal Oak, assignors to Ford Motor Company, Dearborn, Mich. Spare tire mounting. 2,488,481, Nov. 15.
- Stephenson, Vernon V., Seattle, Wash. Capsulating method and apparatus. 2,471,358, May 24.
- Sterenberg, John: *See*—
Boeve, John, and Sterenberg.
- Stereoptics Limited, assignee: *See*—
Dudley, Leslie P. C. J.
- Sterling Drug Inc., assignee: *See*—
Clinton, Raymond O., and Sutter.
- Davy, Edward D.
- Falk, John E. R.
- Lawson, Elmer J., and Suter.
- Lesuk, Alex.
- Moore, Maurice L., and Corrigan.
- Petke, Frederick E.
- Sahyun, Melville.
- Tullar, Benjamin F.
- Sterling, George H., Minneapolis, Minn. Oar protector. 2,461,092, Feb. 8.
- Sterling Industries Limited, assignee: *See*—
Thomas, Percival E.
- Sterling, John F., Broomall, Pa. Clamp for clothesline props. 2,480,389, Aug. 30.
- Sterling Tool Products Company, assignee: *See*—
Crosby, Stephen A.
- Stern, Charles, Jersey City, N. J. Throttle control device for steam locomotives. 2,472,176, June 7.
- Stern, Elias L., San Diego, Calif. Thiamin-procaine anesthetic. 2,484,128, Oct. 11.
- Stern, Ferdinand, New York, N. Y. Phosphorescent pigment. 2,475,437, July 5.
- Stern, Irving L., Lynbrook, N. Y. Tie rack. 2,487,612, Nov. 8.
- Stern, Max H.: *See*—
Baxter, James G., Stern, and Weisler.
- Stern, Michaels, & Company, Incorporated, assignee: *See*—
Heller, Israel E.
- Stern, Nathan Sally, New York, N. Y. Microfilm reader and projecting apparatus. 2,473,736, June 21.
- Stern, Richard, New York, N. Y., assignor to Shell Development Company, San Francisco, Calif. Lubricating oil composition. 2,466,647, Apr. 5.
- Stern, Theodore D., assignee: *See*—
Gargiulo, Giuseppe.
- Sternad, Frank S., Cuyahoga Falls, and J. P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Drum collapsing apparatus for tire building. 2,479,027, Aug. 16.
- Sternad, Frank S., Cuyahoga Falls, and J. P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Loading apparatus for tire-building machines. 2,487,196, Nov. 8.
- Sternad, Joseph J., Cleveland, Ohio. Tricycle cart. 2,459,249, Jan. 18.
- Sternbach, Leo H.: *See*—
Goldberg, Moses W., and Sternbach.
- Sternbergh, James H., Reading, Pa., Berks County Trust Company, executor of said J. H. Sternbergh, deceased. Duplex die head. 2,491,458, Dec. 13.
- Sternner, Anna V., assignee: *See*—
Cipyak, John.
- Sternner, Francis E., assignee: *See*—
Cipyak, John.
- Sternner, John E., Erie, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Microphonics tester. 2,458,033, Jan. 4.
- Sterns, Barbara: *See*—
Lott, William A., Bernstein, and Sterns.
- Sterrett, Charles C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sealing means. 2,470,664, May 17.
- Sterrett, Vance C., Logansport, Ind. Float valve. 2,487,490, Nov. 8.
- Stetson, Allyn F., Chicago, Ill. Power sprinkler. 2,474,071, June 21.
- Stetson, John B., Company, assignee: *See*—
Culhane, Edward A., and Wilson.
- Stetson, John C., assignor to J. C. Stunkel, Chicago, Ill. Shipping carton. 2,483,481, Oct. 4.
- Stetzel, Otto F., Cleveland, Ohio. Valve reseating tool. 2,480,058, Aug. 23.
- Steuer, Gustav H., assignor to Andrew Co., Chicago, Ill. Universal elbow for transmission lines. 2,480,203, Aug. 30.
- Steuer, Milton, San Francisco, Calif. Fishing rod holder. 2,458,881, Jan. 11.
- Stevens-Arnold, Inc., assignee: *See*—
Crandell, Ervin L.
- Reifel, Harry.
- Reifel, Harry, and Weightman.
- Weightman, Herbert G.
- Stevens, Arthur H. and G. A., assignors to The Power Centre Company Limited, Wednesbury, England. Support for electric conductors. 2,473,264, June 14.
- Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Drawing crucible. 2,460,547, Feb. 1.
- Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Melting and drawing crucible. 2,482,299, Sept. 20.
- Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Electric melting furnace. 2,485,851, Oct. 25.
- Stevens, Clarence C., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Spindle mounting and driving unit. 2,476,515, July 19.
- Stevens, Claud L., and C. J. Moody, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Testing bearings. 2,482,381, Sept. 20.
- Stevens, Clifford B., assignor to The Heinn Company, Milwaukee, Wis. Loose-leaf binder. 2,460,718, Feb. 1.
- Stevens, Daniel S., Chicago, Ill. Agitating device. 2,458,313, Jan. 4.
- Stevens, Daniel S., Chicago, Ill. Liquid flow gauge. 2,479,786, Aug. 23.
- Stevens, Don E.: *See*—
Smith, Vaughn R., and Stevens.
- Stevens, Donald R.: *See*—
Spindt, Roderick S., and Stevens.
- Stevens, Earle A., assignor to Glenwood Range Company, Taunton, Mass. Utensil support for gas ranges. 2,473,478, June 14.
- Stevens, Elbert M.: *See*—
Blumberg, Hamilton G., and Stevens.
- Stevens, Eugene, Carlsbad, N. Mex. Seed potato cutter. 2,479,982, Aug. 23.
- Stevens, Frank J., assignee: *See*—
Hawkins, George W.
- Stevens, Frederick A., Providence, R. I. Ophthalmic mounting with concealed lens-carrying and nose-guard-carrying arms. 2,457,938, Jan. 4.
- Stevens, Frederick A., Providence, R. I. Detachable bridge-brace-bar spectacle construction. 2,458,963, Jan. 11.
- Stevens, Frederic B., Inc., assignee: *See*—
Grimes, George J.
- Stevens, Geoffrey A.: *See*—
Stevens, Arthur H. and G. A.
- Stevens, George S., Richland, Wash. Toy projectile. 2,484,320, Oct. 11.
- Stevens, Glenn W., Salem, Oreg. Freezing and dehydrating tray. 2,458,113, Jan. 4.
- Stevens, Harry E., Southold, N. Y. Bottle carrier. 2,463,651, Mar. 8.
- Stevens, Harry P.: *See*—
Hasler, Robert H., and Stevens.
- Stevens, Harry P., Oyster Bay, assignor to The Hasler Stevens Corporation, Minneola, N. Y. Rotary valve internal-combustion engine. 2,459,973, Jan. 25.
- Stevens, J. P., & Co., Inc., assignee: *See*—
Derby, Roland E.
- Frick, Oscar, and Rhodes.
- Stevens, Joe O.: *See*—
Melvin, Francis F., and Stevens.
- Stevens, John C., assignor to Leupold & Stevens Instruments, Portland, Oreg. Measuring device. 2,468,692, Apr. 26.
- Stevens, John H., Chicago, Ill. Tobacco pipe. 2,487,740, Nov. 8.
- Stevens, Joseph, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Marking device. 2,482,034, Sept. 13.
- Stevens, Joseph W., Pompton Plains, N. J. Rack. 2,477,271, July 26.
- Stevens, Milton J., Glendale, assignor of one-third to I. W. Adams, Pasadena, and one-third to M. R. Kent, Glendale, Calif. Increasing intensity annunciator alarm for odometers. 2,467,240, Apr. 12.
- Stevens, Nelson P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Geophysical prospecting method. 2,479,787, Aug. 23.
- Stevens, Nichols, Chicago, Ill. Tire casing repair device. 2,471,359, May 24.
- Stevens, Nichols, Chicago, Ill. Repair device for inner tire tubes and other pliable articles. 2,475,714, July 12.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,464,998, Mar. 22.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,468,245, Apr. 26.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Multivalve control station for servomotors. 2,473,695, June 21.
- Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,477,836, Aug. 2.
- Stevens, Roy R., Forest Hills, assignor to the Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for reversible internal-combustion engines. 2,482,301, Sept. 20.
- Stevens, Roy R., and A. G. Larson, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,482,300, Sept. 20.
- Stevens, Stanley S., Cambridge, Mass., assignor to The United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Electronic noise generator. 2,490,487, Dec. 6.

- Stevenson, Archibald S.: *See*—
Weisberg, Mark, Stevenson, and Beer.
Stevenson, Benjamin D., Flushing, Mich. Plow control. 2,470,730, May 17.
- Stevenson, Clarence H., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of a hydrophilic coagulating surface. 2,477,318, July 26.
- Stevenson, Edward E., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Work handling device. 2,463,064, Mar. 1.
- Stevenson, Edward E., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Mounting work in a holder. 2,463,065, Mar. 1.
- Stevenson, Edward E., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Apparatus for mounting work in a holder. 2,471,661, May 31.
- Stevenson, Edward E., Whittier, assignor to A. L. Sims, Fellows, Calif. Tapered pump liner. 2,492,332, Dec. 27.
- Stevenson, Harold E., Long Beach, Calif. Cambric and linen tape dispenser. 2,458,964, Jan. 11.
- Stevens, Henry C., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stabilization of organic peroxides. 2,491,397, Dec. 13.
- Stevenson, Herbert A.: *See*—
Hill, Charles A., and Stevenson.
Stevenson, Herbert A., and W. F. Short, assignors to Boots Pure Drug Company, Limited, Nottingham, England. Preparation of therapeutic substances. 2,476,925, July 19.
- Stevenson, Isaac G.: *See*—
Nawlsky, Paul, Schenck, and Stevenson.
- Stevenson, John F., Belfast, Northern Ireland. Cover means for vegetables and other plants. 2,472,630, June 7.
- Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Pressure control. 2,485,074, Oct. 18.
- Stevenson, Robert, Lynbrook, N. Y. Equalizing temperatures by ventilation. 2,477,152, July 26.
- Stever, William, assignor to The Budd Company, Philadelphia, Pa. Clinch nut anvil with nut-positioning sleeve. 2,474,501, June 28.
- Stever, William, assignor to The Budd Company, Philadelphia, Pa. Abrasive disk support. 2,480,886, Sept. 6.
- Stevens, Douglas M.: *See*—
Seipt, Richard, and Stevens.
- Steward, Colby W., Newton, Iowa, assignor, by mesne assignments, to Cornell Aeronautical Laboratory, Inc. Multiarc electric welding circuit. 2,479,087, Aug. 16.
- Steward, Colby W., Kenmore, and M. R. Rivenburgh, Williams, assignors by mesne assignments, to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Apparatus for multiarc welding. 2,478,985, Aug. 16.
- Steward, Hugh W., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-carbethoxy-4-methylpiperazine, its salts and preparing same. 2,472,496, June 7.
- Steward, Alexander, Mountain Lakes, N. J., and A. R. Pitrot, Hempstead, and E. Willihnganz, Baldwin, assignors to National Lead Company, New York, N. Y. Storage battery expander material and preparing the same. 2,479,983, Aug. 23.
- Stewart, Chandler, Jr., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Method of measuring characteristic impedances of fitting for coaxial connectors. 2,459,197, Jan. 18.
- Stewart, Charles A., Worcester, Mass. Garment hanger and creaser. 2,488,072, Nov. 15.
- Stewart, Charlie G., Birmingham, Ala. Cutting shears. 2,463,213, Mar. 1.
- Stewart, Earle, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Parking brake. 2,466,917, Apr. 12.
- Stewart, Earle, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Hydraulic brake. 2,480,270, Aug. 30.
- Stewart, Ernest L., North Salem, Ind. Fluid pressure sickle drive for harvesters. 2,484,861, Oct. 18.
- Stewart, Floyd D.: *See*—
Mathes, Roger A., and Stewart.
- Stewart, Francis S., Los Angeles, Calif., and V. R. Hardy, Wilmington, Del., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Coated metal structure. 2,471,500, May 31.
- Stewart, Gilbert, assignor to Ex-Cell-O Corporation, Detroit, Mich. Dressing mechanism. 2,458,444, Jan. 4.
- Stewart, Harold C., and J. E. Holcomb, Pittsfield, Mass., assignors to General Electric Company. Impulse testing. 2,479,426, Aug. 16.
- Stewart, Horace Z., Mobile, Ala. Machine for shelling peas and beans. 2,463,918, Mar. 8.
- Stewart, Jack L.: *See*—
Fink, Theodore R., Stewart, and Finneburgh.
- Stewart, John A., Cuyahoga Falls, Ohio. Gun recoil pad. 2,468,349, Apr. 26.
- Stewart, John H. F., Mount Clemens, Mich. Artificial limb. 2,478,721, Aug. 9.
- Stewart, John H. F., Mount Clemens, Mich. Fluid sealing device. 2,481,793, Sept. 13.
- Stewart, John M.: *See*—
Snyder, Harold R., and Stewart.
- Stewart, John R., Philadelphia, Pa. Preparation of staple fibers in condition to produce top. 2,490,929, Dec. 13.
- Stewart, Lindsey: *See*—
Thornton, Arthur W., Stewart, and Susa.
- Stewart, Merritt G., assignor to Victor Adding Machine Co., Chicago, Ill. Platen for printing machines and the like. 2,479,521, Aug. 16.
- Stewart, Milford D., South Bend, Ind., and C. F. Adams, Charles City, Iowa, assignors to The Oliver Corporation. Transmission gearshift lock. 2,487,283, Nov. 8.
- Stewart, Priscilla C., assignee, trustee: *See*—
Cooke, Hereward L.
- Stewart, Robert G., assignor to Curlette, Inc., Los Angeles, Calif. Curling stone. 2,462,436, Feb. 22.
- Stewart, S. Grant, Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon synthesis catalyst. 2,490,488, Dec. 6.
- Stewart, Skiler C., Minden, La. Lifting jack. 2,489,056, Nov. 22.
- Stewart-Warner Corporation, assignee: *See*—
Allen, Arthur C.
Campbell, Thomas A., and Stock.
Christiansen, Soren E.
Fagen, William F.
Fanta, Frank A., Jr.
Klug, Charles W.
Korsgren, Theodore Y.
Korsgren, Theodore Y., and Tramontini.
Leslie John H., II.
Malone, Homer F.
McCollum, Henry J. D.
McCollum, Henry J. D. N.
McCollum, Henry J. DeN.
Mesa, Joseph O.
Norman, Horace M.
Palm, George H.
Parrish, William C.
Redmond, Thomas.
Ryder, Frank A.
Schweistahl, Frederick G.
Spackman, Thomas F.
Tramontini, Vernon N.
Vischulis, George, Jr.
Williams, Lynn A., Jr.
- Stewart, William, Indian Orchard, and M. Psilos, Springfield, Mass., said Stewart assignor to M. Ellerlin. Faucet thermometer. 2,489,684, Nov. 29.
- Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Creatine and creatinine as catalysts for polymerization of butadiene. 2,460,606, Feb. 1.
- Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Organic polysulfides. 2,470,115, May 17.
- Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Pesticidal composition of polyethylene polysulfide and nicotine sulfate. 2,470,529, May 17.
- Stewart, William D., and J. H. Standen, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. Fungicidal compositions. 2,485,330, Oct. 18.
- Stewart, William H.: *See*—
Millington, John W., and Stewart.
- Stewart, William H., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Electrical logging method and apparatus. 2,459,196, Jan. 18.
- Stewart, William H., Helleys Creek, British Columbia, Canada. Caster. 2,467,603, Apr. 19.
- Stewart, William L., Fitchburg, Mass. Comb. 2,460,548, Feb. 1.
- Stewart, William L., Fitchburg, Mass. Can opener. 2,478,509, Aug. 9.
- Stibitz, George R., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Binary system calculator. 2,486,809, Nov. 1.
- Sticelber, Merlin A., Kansas City, Mo., assignor to Quik-Seal, Inc. Refrigerating means for dough mixers. 2,461,450, Feb. 8.
- Stich, George E., Jacksonville, Fla. Scaffolding bracket. 2,471,459, May 31.
- Stickel, Harold A., San Francisco, Calif. Code selective device. 2,487,678, Nov. 8.
- Stickney, Fernald S., West Caldwell, N. J. Contact terminal for thermionic tubes. 2,480,059, Aug. 23.
- Stiefel, Karl J., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Pulsing system for ultra high frequency generators. 2,462,918, Mar. 1.
- Stiefel, Karl J., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical control system. 2,473,617, June 21.
- Stiefel, Karl J., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical circuits. 2,480,681, Aug. 30.
- Stiefel, Karl J., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave heating apparatus using circularly polarized horn. 2,480,682, Aug. 30.
- Stiegler, August: *See*—
Lovett, Leroy W., Sherrill, and Stiegler.
- Stiegler, George, Cincinnati, Ohio. Tape feeding and marking machine. 2,482,035, Sept. 13.
- Stieglitz, Hermann W., Marblehead, assignor to Thomson Electric Welder Co., Lynn, Mass. Platen control mechanism for welding. 2,492,200, Dec. 27.

- Stiehl, Charles W., South Milwaukee, Wis. Suction apparatus. 2,470,665, May 17.
- Stierli, Robert F., Newton, N. J., assignor to Harvel Research Corporation. Urea-formaldehyde-furfuryl alcohol resins. 2,487,394, Nov. 8.
- Stiffel, Theophile A., Chicago, Ill. Actuating electrical switches. 2,459,898, Jan. 25.
- Stiffel, Theophile A., Chicago, Ill. Lamp shade. 2,483,354, Sept. 27.
- Stiffemire, Robert J., Dickinson, Ala. Saw filing stand. 2,469,527, May 10.
- Stigter, Willem H.: *See*—
Van Weenen, Franciscus L., and Stigter.
- Stigter, Willem H., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Hot gas apparatus comprising a heater surrounding the hot chamber. 2,464,900, Mar. 22.
- Stilbert, Elmer K.: *See*—
Young, Arthur E., and Stilbert.
- Stiles, Alvin B., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Desulfurizing spent nickel-aluminum catalysts. 2,491,694, Dec. 20.
- Stiles, Alvin B., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methanol oxidation catalysts. 2,491,695, Dec. 20.
- Stiles, Earl, Lusk, Wyo. Device for recording grocery want lists. 2,460,549, Feb. 1.
- Stiles, Harry L., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric heater. 2,475,113, July 5.
- Stiles, Le Conie, Seattle, Wash. Slicing machine. 2,478,020, Aug. 2.
- Stiles, Hugh R., St. Mary-of-the-Woods, assignor to Commercial Solvents Corporation, Terra Haute, Ind. Biochemical process for the production of riboflavin. 2,483,855, Oct. 4.
- Stiller, Benjamin, Akron, Ohio. Vacuum cup holding device. 2,466,502, Apr. 5.
- Stiller, Eric T., Chagrin Falls, Ohio, assignor to Merck & Co., Inc., Rahway, N. J. Intermediates for the production of vitamin B₆ and preparing the same. 2,476,464, July 19.
- Stiller, Eric T., Philadelphia, Pa., assignor to Merck & Co., Inc., Rahway, N. J. Reduction of compounds containing an active methylene group. 2,480,683, Aug. 30.
- Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.
- Stillman, Theodore E., Brooklyn, N. Y. Pocketed ball game. 2,470,325, May 17.
- Stillman, William B.: *See*—
Kimel, Walter, Coleman, and Stillman.
- Stillson, Gordon H., Oakmont, and D. W. Sawyer, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Di-alkylated mono-hydroxy phenol. 2,459,597, Jan. 18.
- Stillwagon, Crawford K., assignor to Well Equipment Mfg. Corp., Houston, Tex. Double seal flange union. 2,459,250, Jan. 18.
- Stillwagon, Crawford K., assignor to Well Equipment Mfg. Corp., Houston, Tex. Threadless pipe coupling. 2,459,251, Jan. 18.
- Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Universal joint. 2,473,618, June 21.
- Stillwell, Ralph, Baldwin, N. Y. Range finder mounting for camera lens turrets. 2,472,732, June 7.
- Stilmar, Frederic B.: *See*—
Deinet, Joseph, and Stilmar.
- Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the oxadiazole series. 2,464,831, Mar. 22.
- Stillwell, Glenn E., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Round-corner nail driver. 2,475,527, July 5.
- Stillwell, William E., Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Overload protective device. 2,484,863, Oct. 18.
- Stillwell, William E., Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Circuit breaker with temperature compensation. 2,490,103, Dec. 6.
- Stimpson, Edwin G.: *See*—
Weisberg, Samuel M., Stimpson, and Miller.
- Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Temperature sensitive variable inductance. 2,460,773, Feb. 1.
- Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Vest pocket exposure meter having overlapping sensitivity ranges and calculator rings surrounding the meter scale. 2,471,171, May 24.
- Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Vest pocket exposure meter. 2,483,945, Oct. 4.
- Stimson, Jonathan C., Evanston, Ill. Hellographic signaling device. 2,467,165, Apr. 12.
- Stinchcomb, Franklin P., Baltimore, Md. Portable drill press holder. 2,472,270, June 7.
- Stinchcomb, Loid M., and R. S. Doerr, assignors to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Coupling means. 2,460,110, Jan. 25.
- Stine, Lester G., Harrisburg, Pa. Fishing rod. 2,483,071, Sept. 27.
- Stine, Samuel S., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,459,850, Jan. 25.
- Stines, Daniel E.: *See*—
Kleiber, Carl E., Campbell, Stines, and Nelson.
- Stinne, Leslie W., Dallas, Tex. Clothespin and clamp. 2,466,284, Apr. 5.
- Stinne, Leslie W., Dallas, Tex. Clothespin. 2,492,069, Dec. 20.
- Stinnett, James L., Chicago, Ill. Automobile heating, ventilating, and window defrosting system. 2,492,506, Dec. 27.
- Stites, Loren H., Flint, Mich. Steering wheel spinner. 2,482,641, Sept. 20.
- Stitt, Roger H., assignor to United States Gypsum Company, Chicago, Ill. Ceiling construction. 2,481,794, Sept. 13.
- Stivín, Jiří, Celakovice, near Prague, Czechoslovakia. Fashioning of articles. 2,464,658, Mar. 15.
- Stivín, Jiří, Rychnov U Jablonce N. Nisou, Czechoslovakia. Discharge device with an outer anode. 2,466,565, Apr. 5.
- Stivín, Jiří, Rychnov u Jablonce nad Nisou, Czechoslovakia. Device for repeated frequent starting and stopping of oscillation generators. 2,486,504, Nov. 1.
- Stivín, Jiří, Rychnov u Jablonce nad Nisou, Czechoslovakia. Electrical control system. 2,491,340, Dec. 13.
- Stobb, Anton, Westfield, and A. J. Albrecht, West New York, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,469,796, May 10.
- Stobbe, Benjamin B.: *See*—
Sonnett, William J., and Stobbe.
- Stober, Kenneth E., assignor to The Dow Chemical Company, Midland, Mich. Mixing head for extrusion machines. 2,469,999, May 10.
- Stober, Kenneth E., assignor to The Dow Chemical Company, Midland, Mich. Producing uniformly colored extruded articles from vinyl aromatic resins. 2,470,001, May 10.
- Stock, Charles R.: *See*—
De Waard, Russell D., and Stock.
- Stock, Charles R., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Instrument for measuring impact strength of materials. 2,477,908, Aug. 2.
- Stock, Charles R., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Viscosimeter. 2,484,761, Oct. 11.
- Stock, Charles R., South Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. Apparatus for measuring distortion temperature of plastic materials. 2,479,984, Aug. 23.
- Stock, Ernest G.: *See*—
Campbell, Thomas A., and Stock.
- Stock, Frederick G., Dallas, Tex. Piston. 2,484,474, Oct. 11.
- Stock, Henry F.: *See*—
Meyer, George L. N., and Stock.
- Stockdale, John, Clent, and D. E. Elson, Acocks Green, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y. Insulated electrical resistances. 2,461,935, Feb. 15.
- Stocker, Julius J., Flanders, N. J. Saw set. 2,460,198, Jan. 25.
- Stocker, Oscar A.: *See*—
Fred, Meyer L., and Stocker.
- Stockfleth, Alfred: *See*—
Kent, Robert E., and Stockfleth.
- Stockly, Johann, Zurich, Switzerland. Process and device for producing wool-like razor filaments. 2,475,922, July 12.
- Stockly, Johann, Zurich, Switzerland. Process and apparatus for producing wool-like filaments of cellulose hydrate rayon. 2,477,909, Aug. 2.
- Stocks, James L., Seattle, Wash. Paint liner machine. 2,476,926, July 19.
- Stocks, Ronald K., Johannesburg, Transvaal, Union of South Africa. Pump suitable for moving sludges and the like. 2,466,618, Apr. 5.
- Stockton, George W., Birmingham, assignor to Joseph Sankey & Sons Limited, Bilston, England. Insulating composition. 2,477,272, July 26.
- Stoddard, Charles R., assignee: *See*—
Walling, Lawrence J.
- Stoddard, Glen W., Grant Township, Tama County, Iowa. Pneumatic hay stacker. 2,486,577, Nov. 1.
- Stoddard, Robert J., assignor to American Hoist & Derrick Co., St. Paul, Minn. Crane truck. 2,458,445, Jan. 4.
- Stoddard, Richard R., assignee: *See*—
Holmes, Paul J.
- Stodola, Edwin K., Neptune, N. J. Electron tube power output circuit for low impedance loads. 2,488,567, Nov. 22.
- Stocklin, Josef, and A. Käch, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Thermal relay. 2,468,693, Apr. 26.
- Stofer, Willard E.: *See*—
Ross, Donald E., and Stofer.
- Stoffel, Hans F., Scarsdale, N. Y. Apparatus for making sealing devices. 2,487,032, Nov. 1.

- Stoffel, Lester L., Lakewood, assignor to The Ohio Carbon Company, Cleveland, Ohio. Lamp socket and resistor therefor. 2,483,247, Sept. 27.
- Stojánek, Rudolf, Prague, Czechoslovakia. Electrical water heater. 2,476,927, July 19.
- Stokely, John M., San Rafael, and G. M. Cook, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Flaw detection fluid. 2,478,951, Aug. 16.
- Stokes, Arthur J., Washington, D. C. Method of and apparatus for measuring the film strength of liquids. 2,473,553, June 21.
- Stokes, Edward A., and R. G. S. Crawford, Alton, assignors to Vokes Limited, London, England. Filter or cleaner. 2,466,503, Apr. 5.
- Stokes, Harold E., Murraysville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnet frame for dynamoelectric machines. 2,492,016, Dec. 20.
- Stokes, Jacob L., Scotch Plains, assignor to Merck & Co., Inc., Rahway, N. J. Preparing compounds having folic acid activity. 2,483,248, Sept. 27.
- Stokes, John F., Alexandria, Minn. Grain treating machine. 2,481,957, Sept. 13.
- Stokes, John H., Atlanta, Ga. Sign holder having recessed rotatable side members. 2,460,154, Jan. 25.
- Stokes, Oliver B., Little Rock, Ark. Razor. 2,479,788, Aug. 23.
- Stokesberry, Paul W., assignor to The Julep Company, Chicago, Ill. Stable quinoline salt for electrolysis. 2,464,004, Mar. 8.
- Stolberg, Sven A.: *See*—Ballentine, Earle W., and Stolberg.
- Stolberg, Sven A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Repeat device for automatic phonographs. 2,473,829, June 21.
- Stoler, Samuel M., Norristown, assignor to R-S Products Corporation, Philadelphia, Pa. Roller hearth furnace. 2,492,942, Dec. 27.
- Stoller, Daniel, Brooklyn, N. Y. Nipple and cap for baby nursing bottles. 2,471,172, May 24.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power supply system. 2,470,838, May 24.
- Stolove, Martin, Philadelphia, and J. W. Hopkins, Sr., Lansdowne, Pa., assignors to Deanley Machine Company. Key duplicating machine. 2,467,575, Apr. 19.
- Stolpe, Rudolf C., Van Nuys, Calif. Antifriction nut and lead screw. 2,478,510, Aug. 9.
- Stoltenberg, Glenn R., New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Diffusion pump. 2,489,058, Nov. 22.
- Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,462,233, Feb. 22.
- Stoltz, Glenn E., Pittsburgh (18), J. R. Erbe, Mount Lebanon, and R. A. Geiselman, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control of electrolytic processes. 2,471,912, May 31.
- Stoltz, Glenn E., Pittsburgh, and J. R. Erbe, Mount Lebanon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for electrolytic processes. 2,473,918, June 21.
- Stolz, James M., Los Angeles, Calif. Ribbon reversing mechanism for writing machines. 2,487,834, Nov. 15.
- Stolzenbach, Robert W., Springfield, Ohio. Corona measurement. 2,462,919, Mar. 1.
- Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Column assembly, including pressure fluid motors for moving objects longitudinally and angularly. 2,474,336, June 28.
- Stone, Albert L., Palos Verdes Estates, Calif. Pipe joint seal. 2,474,556, June 28.
- Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Index device for rotating bodies. 2,481,255, Sept. 6.
- Stone, Arthur H., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Armor piercing projectile cap. 2,465,490, Mar. 29.
- Stone, Carl R., assignor to Crane Co., Chicago, Ill. Fastening means for direct lift waste fittings or the like. 2,461,354, Feb. 8.
- Stone, Charles, New York, N. Y. Reinforced girdle. 2,489,111, Nov. 22.
- Stone, Charles M., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Solvent extraction of oil. 2,472,499, June 7.
- Stone, Fred B., Haddon Heights, N. J., assignor to Radio Corporation of America. Combination power amplifier. 2,492,542, Dec. 27.
- Stone, George F., assignor to The Canister Company, Inc., Phillipsburg, N. J. Bottle carrier. 2,487,491, Nov. 8.
- Stone, Guthrie B., Springwater, N. Y. Scribe holding ruler. 2,489,830, Nov. 29.
- Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Continuous process of producing beta lactones at reduced pressure. 2,469,704, May 10.
- Stone, Irving A., assignor to Wirecorder Corporation, Detroit, Mich. Wire feed for magnetic recorders. 2,467,507, Apr. 19.
- Stone, J., & Company, Limited, assignee: *See*—Austin, Charles V.
Nixon, Leslie R.
- Stone, Jerome, Chicago, Ill. Box. 2,490,557, Dec. 6.
- Stone, John T., Baltimore, Md. Tray type fuel oil burner. 2,469,135, May 3.
- Stone, John T., Baltimore, Md. Gun type burner. 2,469,136, May 3.
- Stone, Kenneth F.: *See*—Noller, Harry F., Hurni, and Stone.
- Stone, Melvin L., East Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for assembling incandescent lamp mounts. 2,473,919, June 21.
- Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Mounting for hooks and the like. 2,461,936, Feb. 15.
- Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Catch. 2,472,498, June 7.
- Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Catch. 2,473,181, June 14.
- Stone, Sardine, and F. A. Martin, Columbus, Ohio. Tie plate and rail anchor. 2,490,242, Dec. 6.
- Stone, Stanley J., Munster, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car door fixture. 2,486,339, Oct. 25.
- Stone, Tilden J., and D. F. Clarke, Lenoir, N. C. Attachment for beds. 2,492,070, Dec. 20.
- Stone, Thomas P., Bay City, Mich. Cover holder. 2,462,688, Feb. 22.
- Stone & Webster Engineering Corp., assignee: *See*—White, Bradford C.
- Stone, Wilfred S., Chicago, Ill. Airport and airport gangway. 2,487,613, Nov. 8.
- Stonebraker, Harold E., Rochester, N. Y. Cutting gear pairs. 2,463,725, Mar. 8.
- Stoneham, Samuel C., Bakersfield, Calif. Tag-forming and attaching combination. 2,479,028, Aug. 16.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collet. 2,459,899, Jan. 25.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collet. 2,459,900, Jan. 25.
- Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collet chuck. 2,466,129, Apr. 5.
- Stoner, Eliot F.: *See*—Wieden, Herbert J., Traphagen, and Stoner.
- Stoner, Forrest H., Dixon, Mo. Self-propelled tree felling and log cutting saw rig. 2,461,188, Feb. 8.
- Stoner, Frank H., assignor to Monroe Auto Equipment Company, Monroe, Mich. Pallet. 2,463,214, Mar. 1.
- Stoner, George G., Grandview Heights, and R. L. Savage, Columbus, Ohio, assignors, by mesne assignments, to Standard Oil Company, Chicago, Ill. Polymerization of ethylene by di-peroxydicarbonate ester catalysts. 2,475,648, July 12.
- Stoner, George H., Seattle, Wash., assignor to Boeing Airplane Company. Air bearing gyroscope. 2,474,072, June 21.
- Stoner, Justus S., El Cajon, and A. H. Luitjens, San Diego, Calif. Apparatus for producing photographic multiple copies. 2,459,552, Jan. 18.
- Stoner, Ray H.: *See*—Seifried, Anthony G., and Stoner.
- Stoner, Richard G., and C. W. Lampson, Princeton, N. J., assignors to the United States of America as represented by the Secretary of War. Timing device for high-speed motion-picture cameras. 2,458,882, Jan. 11.
- Stoner, Seth H., and H. F. Matthews, U. S. Navy. Seat for aircraft. 2,466,061, Apr. 5.
- Stonestreet, George A., Richmond, and H. R. Sait, Northolt, assignors to T. Wall & Sons Limited, London, England. Distributing and conveying of pieces of extruded plastic materials. 2,488,344, Nov. 15.
- Stong, Guy E., Elmira, assignor to Corning Glass Works, Corning, N. Y. Electric heating device. 2,475,379, July 5.
- Stonich, William H., Boulder Junction, Wis. Fish stringer. 2,483,072, Sept. 27.
- Stonor, Charles R. P., Liverpool, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Remote indicating system. 2,479,704, Aug. 23.
- Stookey, Kenneth W., Shaker Heights, assignor to The Gas Machinery Company, Cleveland, Ohio. Furnace. 2,472,497, June 7.
- Stookey, Robert H.: *See*—Teter, John W., and Stookey.
- Stoops, William N., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Diazoamino-benzene-phenolic compound catalyst combinations in butadiene-styrene emulsion polymerization. 2,488,690, Nov. 22.
- Stoothoff, Stanley T., Glen Rock, N. J. Flush-pin gauge. 2,466,185, Apr. 5.
- Stop-Motion Devices Corp., assignee: *See*—Vossen, Edward.
- Stopper, George M., Glendale, Calif. Gravity fed disk magazine. 2,469,016, May 3.

- Stordy, John J., Penn, Wolverhampton, assignor to Thompson Brothers (Bilston) Limited, Bilston, England. Plant for heating galvanizing baths and other baths for containing molten material. 2,478,062, Aug. 2.
- Storer, John E., Indianapolis, Ind., and A. J. Timmer, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Seal. 2,489,545, Nov. 29.
- Storer, Richard M., Denver, Colo. Fastening device. 2,462,141, Feb. 22.
- Storey, Edwin F., Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Crankshaft bearing lubrication. 2,469,669, May 10.
- Storey, O. W., & Associates: *See*—Razek, Joseph.
- Storey, Oliver W., assignee, trustee: *See*—Razek, Joseph.
- Storch, Henry H., and L. L. Hirst, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Coal liquefaction by hydrogenation. 2,464,271, Mar. 15.
- Storch, Max H., Bell Harbor, N. Y. Compact and the like. 2,465,491, Mar. 29.
- Storch, Reuben H., Minneapolis, Minn. Layout protractor. 2,458,114, Jan. 4.
- Stork, Gilbert J.: *See*—McElvain, Samuel M., and Stork.
- Stork, Ralph E., Hohokus, N. J., and O. A. Olson, Scarsdale, N. Y. Fitting. 2,489,338, Nov. 29.
- Storkline Furniture Corporation, assignee: *See*—Michal, James.
- Storm, Andre W.: *See*—Watkinson, Eric, Storm, and Smith.
- Storm, André W., Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Vacuum tube measuring instrument. 2,463,652, Mar. 8.
- Storm, André W., Sydney, New South Wales, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Electrical bridge measuring system. 2,490,167, Dec. 6.
- Storm, Carl T., and L. H., Detroit, Mich. Garden cultivating hand rake. 2,479,877, Aug. 23.
- Storm, Frederick K., Jr., Los Angeles, Calif. Self-contained suction cleaner. 2,475,808, July 12.
- Storm, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. High-frequency inductor heat-treating apparatus. 2,464,727, Mar. 15.
- Storm, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. High-frequency induction heating system. 2,485,785, Oct. 25.
- Storm, Louise H.: *See*—Storm, Carl T. and L. H.
- Storm Manufacturing Company, Inc., assignee: *See*—Cordell, Irving.
- Stormont, Joseph E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Level control in packed towers. 2,473,737, June 21.
- Story, Charles F., assignor to Masonite Corporation, Laurel, Miss. Ligno-cellulose die-stock and making. 2,459,851, Jan. 25.
- Story, Edward B.: *See*—White, Frederick W., and Story.
- Story, Theodore H., Merchantville, N. J., assignor to Radio Corporation of America. Setting twist in threads or yarns. 2,465,130, Mar. 22.
- Story, Theodore H., Merchantville, N. J., assignor to Radio Corporation of America. Induction heating coil providing distribution of heating effect. 2,474,703, June 28.
- Story, Theodore H., Merchantville, N. J., assignor to Radio Corporation of America. Electrode structure for high-frequency sealing of thin thermoplastic sheet material. 2,477,214, July 26.
- Stott, Harold B., Glen Olden, Pa., assignor to Radio Corporation of America. Variable pitch drive screw and tuning system. 2,485,464, Oct. 18.
- Stott, Louis L., assignor to The Polymer Corporation, Reading, Pa. Bearing. 2,459,598, Jan. 18.
- Stott, Philip H., Woodstown, and R. A. Shimp, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing textile fibers with vat dyes. 2,487,197, Nov. 8.
- Støttum, Herman, Oslo, Norway. Page lifter. 2,477,215, July 26.
- Stotz, Charles K., Laconia, N. H., assignor to The Chagobe Company, Hartford, Conn. Escapement mechanism for alarm clocks. 2,465,492, Mar. 29.
- Stoudt, Bernard, Valley Stream, and A. Giordano, assignors to Ames Spot Welder Co., Brooklyn, N. Y. Electrode die for welding apparatus. 2,467,636, Apr. 19.
- Stout, Norman L., and D. E. Owens, Hutchinson, Kans. Liner puller. 2,487,902, Nov. 15.
- Stout, Paul R.: *See*—Dunlop, Andrew P., and Stout.
- Stove, Florence, Company, assignee: *See*—Reecres, Herbert M.
- Stout, Orin C., Hamilton, Ohio. Making rhubarb juice. 2,459,901, Jan. 25.
- Stout, Raymond K.: *See*—Crane, Carl J., Holloman, Muller, and Stout.
- Stout, William H., Portland, Oreg. Coupling for pipe sections. 2,464,466, Mar. 15.
- Stover, Ancil C., assignor to The Eisenhower Manufacturing Company, Van Wert, Ohio. Four-wheel steering mechanism for vehicles. 2,479,427, Aug. 16.
- Stover, Clyde N.: *See*—Robson, Duer C., and Stover.
- Stover, Emory F., Wynnewood, Pa. Integrating meter. 2,487,679, Nov. 8.
- Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation in the presence of water as catalyst. 2,460,713, Feb. 1.
- Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Homogeneous gaseous phase catalytic alkylation of isobutane with cyclopropane. 2,469,344, May 3.
- Stover, Jordan H., III, Easton, Pa., assignor to Stover Lock Nut & Machinery Corporation. Manufacturing lock nuts. 2,464,728, Mar. 15.
- Stover, Jordan H., III, Easton, Pa., assignor to Stover Lock Nut & Machinery Corporation. Apparatus for manufacturing lock nuts. 2,464,729, Mar. 15.
- Stover Lock Nut & Machinery Corporation, assignee: *See*—Neff, John W.
- Stover, Jordan H., III.
- Stover, William J.: *See*—Tallaksen, Robert R., and Stover.
- Stover, William T.: *See*—Price, Johnnie P., and Stover.
- Stowe-Woodward, Inc., assignee: *See*—Bates, Sully J.
- Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Ratchet end for brace bits. 2,485,991, Oct. 25.
- Stowell, Harold T., assignee: *See*—Kerschbaum, Fredrich P., and Stowell.
- Stoye, Kurt, assignor, by mesne assignments, to L. C. Krazinski, New York, N. Y. Cigarette and pipe lighter. 2,469,248, May 3.
- Stoyer, Elwood D., Coshocton, Ohio. Holding device for electric cables. 2,466,504, Apr. 5.
- Strachan, Adam D., Needham, Mass. Elevator construction. 2,463,215, Mar. 1.
- Strachan & Henshaw, Limited, assignee: *See*—Grossmith, George W.
- Strader, James E., assignor to Battelle Memorial Institute, Columbus, Ohio. Soft soldering flux. 2,470,957, May 24.
- Strader, Leroy F., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Apparatus for catalyst regeneration. 2,480,887, Sept. 6.
- Strahan, Charles J., Milton, Pa. Rolled toilet paper cabinet and dispenser. 2,459,252, Jan. 18.
- Straight, Halver R., Adel, Iowa. Steam distillation apparatus for removing solvent from vegetable oil with less break. 2,489,509, Nov. 29.
- Strain, Bruce, Wyoming, assignor to The Procter & Gamble Company, Ivorydale, Ohio. Stabilized detergent composition. 2,486,922, Nov. 1.
- Strain, Daniel E., Wilmington, Del., and W. V. Osgood, Southeast Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Working of polyethylene. 2,480,615, Aug. 30.
- Strain, Franklin, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Maleic anhydride resinous copolymer. 2,479,522, Aug. 16.
- Strain, Franklin, Norton Center, Ohio, assignor to Pittsburgh Plate Glass Co. Polymerization with a peroxydicarbonate catalyst. 2,464,062, Mar. 8.
- Strain, Franklin, Barberton, Ohio, and W. F. Newton, Pittsburgh, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparing chloroformates. 2,476,637, July 19.
- Straitt, Mabel, Tulsa, Okla. Closure for panty girdle. 2,477,353, July 26.
- Stranberg, Don F., Libertyville, assignor to C. L. Conroy, Waukegan, and W. Fritsch, Libertyville, Ill. Self-sealing releasable coupling. 2,461,705, Feb. 15.
- Strandberg, Albin K., Norvelt, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box structure for railway vehicles. 2,492,717, Dec. 27.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Agricultural implement hitch structure. 2,483,565, Oct. 4.
- Strang, Alvin E., assignor of forty-nine one-hundredths to C. A. Mentres, Canton, Ohio. Vacuum cleaner cord retriever. 2,487,395, Nov. 8.
- Strang, John M., and C. Foster, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Observers' seat for use with rangefinders, heightfinders, and other optical observation instruments. 2,475,528, July 5.
- Strang, Leslie C., Sunbury-on-Thames, assignor to Anglo-Tranian Oil Company Limited, London, England. Production of sulfur trioxide. 2,466,336, Apr. 5.
- Strang, Minor H., and R. J. Burger, assignors to McCray Refrigerator Company, Kendallville, Ind. Two-temperature refrigerating means. 2,482,222, Sept. 20.
- Strang, S. Bartow, administrator: *See*—Holmes, Ernest W., and E. W. Jr.
- Strange, John P., Wilkinsburg, and W. P. Yant, Murrysville, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Valve. 2,473,078, June 14.

- Strangman, Johnnie L., Monterey, Calif. Padlock opener. 2,491,288, Dec. 13.
- Strasser, Lena W., Sidney, and L. A. Thielke, Guilford, N. Y. Garment hanger for automobiles. 2,478,337, Aug. 9.
- Strassheim, Frederick W., Chicago, Ill. Filter element. 2,463,825, Mar. 8.
- Strassheim, Frederick W., Chicago, Ill. Filter. 2,480,518, Aug. 30.
- Stratford, Charles W., and H. W., assignors to Stratford Development Corporation, Kansas City, Mo. Shrouded rotary seal. 2,481,888, Sept. 13.
- Stratford Development Corporation, assignee: See—Putney, David H.
- Stratford, Charles W., and H. W.
- Stratford, Herbert W.: See—Stratford, Charles W., and H. W.
- Stratford, William M., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,470,193, May 17.
- Stratford, William M., assignor to Texaco Development Corporation, New York, N. Y. Synthesis of hydrocarbons and the like. 2,486,505, Nov. 1.
- Straton, Warren B., Brooklyn, N. Y. Tailpiece for violins, etc. 2,481,362, Sept. 6.
- Straton, Warren B., Brooklyn, N. Y. Violin bow construction. 2,492,017, Dec. 20.
- Strattman, Edwin A., New Orleans, La. Spirally contractable and expandable mop-wringing scrub bucket attachment with means to limit expansion. 2,465,294, Mar. 22.
- Stratton, Charles A., Borger, Tex., assignor to Phillips Petroleum Company. Removal of sulfur. 2,478,603, Aug. 9.
- Stratton, Edgar H.: See—Johnson, Wade C., Trishman, and Stratton.
- Stratton, Glen S., New York, N. Y. Film cartridge for exposing and developing. 2,487,680, Nov. 8.
- Stratton, Robert L., Folcroft, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Sequential trip mechanism. 2,488,745, Nov. 22.
- Stratton, William D., Paterson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,466,062, Apr. 5.
- Straub, Eugene L., Wembley Hill, and A. E. C. Bennett, Kenton, assignors to Dubilier Condenser Company (1925) Limited, London, England. Variable electrical resistor. 2,458,314, Jan. 4.
- Straub, Francis J., New Kensington, Pa. Crusher for cinders and the like. 2,479,523, Aug. 16.
- Straub, Fritz, Kaiserangut, near Basel, and J. Brassel, assignors to Ciba Limited, Basel, Switzerland. Polyazo benzidine dyes. 2,459,467, Jan. 18.
- Straub, Stephen J.: See—Lewthwaite, Raymond B., and Straub.
- Straub, William F.: See—Petroff, Merlin O., and Straub.
- Straubel, Edward L., Green Bay, Wis. Toilet tissue dispenser. 2,488,040, Nov. 15.
- Straumann, Reinhard, Waldenburg, Canton of Bale-Campagne, Switzerland. Nickel-iron alloys adapted for springs in thermocompensated oscillating systems. 2,466,285, Apr. 5.
- Strauss, Lois K., Great Neck, N. Y., assignor to The Shaw-Walker Company, Muskegon, Mich. Payroll board. 2,485,513, Oct. 18.
- Strauss, Benjamin J., Los Angeles, Calif. Cuff link. 2,488,102, Nov. 15.
- Strauss, Carol L., Bangor, Maine. Bed table. 2,460,244, Jan. 25.
- Strauss, Frank A., New Brighton, Staten Island, assignor to E. F. Drew & Co., Inc., New York, N. Y. Mixed esters of fatty acids. 2,469,446, May 10.
- Strauss, Frank A., Staten Island, N. Y., assignor to American Abrasive Metals Company, Irvington, N. J. Aqueous polyvinyl acetate emulsion containing a dichromate of a trivalent metal. 2,465,295, Mar. 22.
- Strauss, Jerome: See—Edlund, Daniel L., Oberle, and Strauss.
- Strauss, Kossy, assignor to Foundry Services Limited, Birmingham, England. Degassing and grain refining of magnesium. 2,461,937, Feb. 15.
- Strauss, Louis, New York, N. Y. Utility tool kit. 2,478,063, Aug. 2.
- Strauss, Oscar A., Chicago, Ill. Sinus medication applicator. 2,490,168, Dec. 6.
- Strasser, Herbert, New York, N. Y. Confectionery. 2,461,399, Feb. 8.
- Straw, Clarence W., Hill, N. H. Navigation instrument. 2,492,718, Dec. 27.
- Straw, Harry H.: See—Heaton, Walter H., and Straw.
- Strawn, Dill, Lytton Springs, Tex. Stalk cutting machine. 2,465,405, Mar. 29.
- Strawn, Orval R.: See—Lemmon, Alexis W., and Strawn.
- Strawn, Orval R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Variable unbalanced weight mechanism for mechanical vibrating screens and the like. 2,481,174, Sept. 6.
- Strazza, Frank, Clearwater Beach, Fla. Golf club grip finder. 2,484,762, Oct. 11.
- Strecker, Victor, Oakland, Calif. Shutter-operated flash synchronizing switch having adjustable mounting means. 2,484,915, Oct. 18.
- Streed, Clifford E., Minneapolis, Minn. Engine starting device. 2,461,784, Feb. 15.
- Street, Donald T., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Rotatable lens cell for trial frames. 2,467,343, Apr. 12.
- Street, Donald T., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Adjustable reticle. 2,479,789, Aug. 23.
- Streeter, Edward C., Jr., Old Westbury, N. Y., assignor to The Sperry Corporation. Radio navigation system. 2,472,129, June 7.
- Streeter, Edward C., Jr., New York, N. Y., assignor to The Sperry Corporation. Compass stabilized direction finder. 2,484,862, Oct. 18.
- Strehan, George E.: See—Donahue, John S., and Strehan.
- Streib, Albrecht, Port Jefferson, E. D. Thorne, East Patchogue, and R. S. Wehner, Port Jefferson, N. Y., assignors to Radio Corporation of America. Construction of ultra high frequency broad-band antennas. 2,492,404, Dec. 27.
- Streich, Paul B., Maywood, assignor to Charles Bruning Company, Inc., Chicago, Ill. Conveyor system for drum-type photoprinter. 2,467,241, Apr. 12.
- Streicher, Edwin G., assignee: See—Cumming, Reginald I.
- Streid, Dale D., Saugus, Mass., assignor to General Electric Company. Aircraft supercharger lubrication. 2,464,063, Mar. 8.
- Streight, Harvey R. L.: See—Aitken, Roger G., and Streight.
- Streibert, Peter W., Landskrona, Sweden. Manufacturing explosives. 2,485,889, Oct. 25.
- Strelzoff, Samuel, assignor to Chemical Construction Corporation, New York, N. Y. Conversion of iron chloride into iron oxide and hydrochloric acid. 2,471,844, May 31.
- Strelzoff, Samuel, assignor to Chemical Construction Corporation, New York, N. Y. Ball furnace. 2,479,878, Aug. 23.
- Stresen-Reuter, John H., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,468,416, Apr. 26.
- Stresen-Reuter, John H., Birmingham, Mich., assignor to G. M. and E. Holley. Carburetor. 2,486,223, Oct. 25.
- Stretch, Albert T., Jr., assignor, by mesne assignments, to Switlik Parachute Company, Inc., Trenton, N. J. Quick adjustable harness and seat assembly. 2,463,330, Mar. 1.
- Stretz, Ernest A., Compton, Calif. Insecticide dispensing device. 2,462,689, Feb. 22.
- Stretz, Ernest A., Compton, Calif. Adjustable flue or chimney damper for fireplaces, furnaces, and the like. 2,473,182, June 14.
- Streuli, Paul: See—Graenacher, Charles, Streuli, Geiger, and Usteri.
- Strezoff, Bogola, Minneapolis, Minn. Hot-water bottle. 2,467,447, Apr. 19.
- Strezyński, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Centrifuge for the separation of serum from cheese constituents. 2,461,129, Feb. 8.
- Strezyński, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Centrifuge with centrifugally flushed filter. 2,488,746, Nov. 22.
- Strezyński, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Starch separation. 2,488,747, Nov. 22.
- Stribley, Arthur F., Jr.: See—Farkas, Adalbert, and Stribley, Jr.
- Stribley, Josephine M.: See—Lake, George R., and Stribley.
- Stribley, Josephine M., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Separation of primary, secondary, and tertiary alcohols by azeotropic distillation. 2,483,246, Sept. 27.
- Stribley, Josephine M., and G. R. Lake, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Separation of close-boiling naphthenes by azeotropic distillation. 2,463,919, Mar. 8.
- Strickhouser, Sherman I., Edgewood, and E. C. Uhlig, Greenwood, R. I., assignors to United States Rubber Company, New York, N. Y. Embossed battery separator. 2,465,493, Mar. 29.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Flexible conductor for induction heating. 2,457,843, Jan. 4.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating coil provided with stress-relieving supports. 2,457,844, Jan. 4.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating apparatus for heat-treating the interior surface of elongated small-diameter tubular workpieces. 2,457,845, Jan. 4.

- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Slide rail support for inductor furnace workpieces. 2,457,846, Jan. 4.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Stock guide and power control for electric furnaces. 2,463,789, May 3.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating head and arbor therefor. 2,483,444, Oct. 4.
- Strickland, Harold A., Jr., Detroit, Mich., assignor by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electric furnace workpiece ejector mechanism. 2,484,865, Oct. 18.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Polyphase transformer arrangement. 2,484,866, Oct. 18.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for equalized induction heating of workpieces. 2,490,104, Dec. 6.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Crankshaft Company, Cleveland, Ohio. Electric furnace cooling system. 2,490,105, Dec. 6.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating furnace construction. 2,490,106, Dec. 6.
- Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Hood and coil arrangement for induction furnaces. 2,490,107, Dec. 6.
- Strickland, Harold A., Jr., and E. B. Vos, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating head. 2,484,864, Oct. 18.
- Strickland, Raymond I.: *See*—
Knox, Harry A., and Strickland.
- Strickland, Royal F., Cleveland Heights, Ohio, assignor to General Electric Company. Control unit for discharge lamps. 2,482,442, Sept. 20.
- Strickland, Royce M., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die head. 2,471,250, May 24.
- Strickler, John C., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Can package stripping machine. 2,463,576, Mar. 8.
- Strid, Carl J., La Canada, and J. R. Blake, La Crescenta, Calif., assignors to Adel Precision Products Corp. Self-aligning poppet valve. 2,482,223, Sept. 20.
- Striegel, Harold L.: *See*—
Gustafsson, Eric, and Striegel.
- Striegel, Harold L., E. Gustafsson, and J. W. Baur, assignors to Binks Manufacturing Company, Chicago, Ill. Multiple spray gun. 2,458,220, Jan. 4.
- Striegel, Roy M., Kansas City, Mo. Electrical extension cord assembly. 2,466,128, Apr. 5.
- Strietelmeier, John E., deceased, late of Cincinnati, Ohio, by L. Strietelmeier, administratrix, Cincinnati, Ohio. Sandwich grill. 2,463,439, Mar. 1.
- Strietelmeier, Lucille: *See*—
Strietelmeier, John E.
- Stringer, John E.: *See*—
Wilson, Benjamin J., and Stringer.
- Stringham, Joseph M.: *See*—
Meade, Reginald E., and Stringham.
- Striplin, Marcus M., Jr., Florence, Ala., assignor to Tennessee Valley Authority. Producing silicon. 2,469,418, May 10.
- Striplin, Marcus M., Jr., Florence, Ala., and W. M. Kelly, Niagara Falls, N. Y., assignors to Tennessee Valley Authority. Production of aluminum-silicon alloys. 2,488,568, Nov. 22.
- Strite, Frank S., New York, N. Y. Air starting arrangement for swash plate Diesel engines. 2,487,614, Nov. 8.
- Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of turn shoes. 2,469,482, May 10.
- Strniste, Charles: *See*—
Crocker, William D., and Strniste.
- Strobel, Albert F.: *See*—
Marnon, Donald E., and Strobel.
- Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Control and ignition system for fuel burners. 2,477,216, July 26.
- Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Ignition and safety control system for fuel burners. 2,478,511, Aug. 9.
- Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition system for fuel burners. 2,486,340, Oct. 25.
- Strobel, Joseph, Euclid, Ohio. Close-up finder for cameras. 2,483,482, Oct. 4.
- Stroberg, Emory S., Atlanta, Ga. Ring weight holder for balancing automobile wheels. 2,485,936, Oct. 25.
- Strock, William A., Ukiah, Calif. Spray fluid rotated sprinkler. 2,481,363, Sept. 6.
- Stroh, Harold W., Kitchener, Ontario, Canada, assignor to The B. F. Goodrich Company, New York, N. Y. Footwear splash guard. 2,475,859, July 12.
- Stroh, Victor, Webster Groves, Mo., assignor of fifty-one one-hundredths to S. Esgro and forty-nine one-hundredths to C. A. Jean, Mrs. C. W. Jean, and R. N. Jean, Memphis, Tenn. Self-help store register. 2,480,428, Aug. 30.
- Stroh, Wallace F., Comstock, N. Y., assignor of fifteen per cent to A. Piretra, Palisades, N. J. Contract bridge game device. 2,486,891, Nov. 1.
- Strohm, Albert H., Racine, Wis. Marble rolling toy. 2,492,899, Dec. 27.
- Strohm, George, Lee's Summit, Mo. Building construction. 2,467,637, Apr. 19.
- Strohmaier, Alfred J., Louisville, Ky., and C. L. Lovell, West Lafayette, Ind., assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Method of clarifying mash. 2,461,938, Feb. 15.
- Strokalis, William V., assignor to Scovill Manufacturing Company, Waterbury, Conn. Atomizer head. 2,492,405, Dec. 27.
- Strom, Albert P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,459,599, Jan. 18.
- Strom, Albert P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressed gas circuit interrupter. 2,459,600, Jan. 18.
- Strom, Albert P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,477,837, Aug. 2.
- Strom, Albert P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,488,569, Nov. 22.
- Strom, David W., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Clamping machine parts to beds. 2,486,075, Oct. 25.
- Strom, Virden A.: *See*—
Evans, John M., Ruedrich, and Strom.
- Stroman, Jack L., Elmwood Park, assignor to The Petersen Oven Company, Chicago, Ill. Metal melting furnace. 2,481,699, Sept. 13.
- Stromberg-Carlson Company, assignee: *See*—
Chou, Ching-Ih.
De Mers, Edward F.
Ekstrand, Alfred E.
Goldberg, Harold.
Henderson, Kenneth L.
Herrick, Malcolm P.
Krumhansl, James A., and Goldberg.
Larsen, Merwin J.
Lesti, Arnold.
Marshall, Joseph F.
Miller, Glenn H., and Krumhansl.
Miller, Rudolph G., and Mountjoy.
Morris, Frank A.
Olney, Benjamin, Slaymaker, and Meeker.
Powell, Winfred T.
Slaymaker, Frank H., and Meeker.
Vincent, Andrew W.
- Stromberg, Elmer F., Cambridge, Mass. Stringed musical instrument. 2,478,136, Aug. 2.
- Stromquist, Russell C., Westfield, N. J., assignor, by mesne assignments, to Koppers Company, Inc. Apparatus for coating pipe. 2,470,796, May 24.
- Stromquist, Russell C., Westfield, N. J., assignor, by mesne assignments, to Koppers Company, Inc. Coating pipe. 2,470,958, May 24.
- Stronach, Harry S., Oak Park, E. J. Emmons and J. B. Dusil, Berwyn, Ill.; C. W. Johnson, executor of said H. S. Stronach, deceased, assignor to said Emmons and said Dusil. Rocker arm oil passage cleansing device for overhead valve engines. 2,475,860, July 12.
- Stronach, Rupert G., Hamden, assignor to Sargent & Company, New Haven, Conn. Door check and closer. 2,460,369, Feb. 1.
- Strong, Basil P., Atwater, Ohio. Mounting for anti-friction bearings. 2,469,483, May 10.
- Strong, Basil P., assignor to Atwater-Strong Company, Atwater, Ohio. Grass cutting machine. 2,481,364, Sept. 6.
- Strong, Elble C., Sunnyside, assignor to Waugh Equipment Company, New York, N. Y. Vibration indicator. 2,469,137, May 3.
- Strong, Emerson, Hempstead, assignor to The Fred Gretsch Manufacturing Company, Brooklyn, N. Y. Musical stringed instrument. 2,469,582, May 10.
- Strong, Richard I., Berlin, Wis. Two-wheeled trailer draft mechanism. 2,491,063, Dec. 13.
- Strong, Robert M.: *See*—
Weybrew, Thelbert L., and Strong.
- Strong, Robert M., Penn Township, Allegheny County, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,467,785, Apr. 19.
- Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fire extinguisher. 2,471,460, May 31.
- Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid pressure medium dispensing means. 2,489,339, Nov. 29.
- Strother, Loy M., Albemarle, N. C. Cigarette lighter. 2,482,807, Sept. 27.

- Strothner, Leonard A.: *See*—
Houk, Ernest J., and Strothner.
- Stroup, Charles L., Oak Park, Ill. High-voltage switch. 2,457,939, Jan. 4.
- Strouse, George C., East Aurora, assignor to Allied Chemical and Dye Corporation, New York, N. Y. Benzodioxane azo dyestuffs. 2,468,277, Apr. 26.
- Strout, Basil A., Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rotary abrading tool. 2,485,786, Oct. 25.
- Strover, C. F., assignee: *See*—
Ramey, Harold W.
- Strub, René, La Chaux-de-Fonds, Switzerland. Gas turbine system. 2,483,073, Sept. 27.
- Strub, Richard, Zurich, assignor to Albiwerk Zurich Aktiengesellschaft, Zurich-Albisrieden, Switzerland. Resistance transformer for transforming direct current into three-phase current. 2,484,867, Oct. 18.
- Strumia, Max M., Penn Valley, and F. W. Chornock, Devon, Pa., assignor to The John S. Sharpe Research Foundation of the Bryn Mawr Hospital. Modified globin and its preparation. 2,460,550, Feb. 1.
- Strumor, Mathew A.: *See*—
Goldstein, Jerome L., and Strumor.
- Strumor, Mathew A., Brooklyn, N. Y. Manually operated sound reproducer. 2,479,790, Aug. 23.
- Strunk, Kenneth W., Oak Park, Ill. Pillow block bearing. 2,479,791, Aug. 23.
- Strupe, Cecil H., Cleveland Heights, assignor to The H. N. White Company, Cleveland, Ohio. Tuning device for wind musical instruments. 2,485,021, Oct. 18.
- Struthers-Dunn, Inc., assignee: *See*—
Packard, Charles A.
- Strutt, Maximilian J. O., and J. M. van Hofweegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement comprising a push-pull oscillatory circuit for very short waves. 2,463,440, Mar. 1.
- Strutt, Maximilian J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Operating photoelectric devices. 2,469,852, May 10.
- Strutt, Maximilian J. O., and J. M. van Hofweegen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustees. Tunable electrical circuits. 2,473,310, June 14.
- Strutt, Maximilian J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ultra high frequency amplifying circuit. 2,476,392, July 19.
- Strutt, Maximilian J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency amplifying circuit arrangement. 2,478,021, Aug. 2.
- Strutt, Maximilian J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustees. Electric discharge tube. 2,478,986, Aug. 16.
- Strutt, Maximilian J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for changing the frequency of electrical oscillations. 2,486,076, Oct. 25.
- Stryhal, Joseph M., Miami, Fla. Grinding block arrangement. 2,470,530, May 17.
- Stryker, Charles R.: *See*—
De Waard, Russell D., Stryker, and Blockman.
- Stuart, Alfred H.: *See*—
Tallman, Ralph C., and Stuart.
- Stuart, Charles J., Winchester, assignor to Wellman Company, Medford, Mass. Shaft coupling. 2,480,976, Sept. 6.
- Stuart, Clarence C., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich. Motorcar carrier. 2,473,830, June 21.
- Stuart, Elizabeth R. B., assignee: *See*—
Wilson, Allen B.
- Stuart, G. A., assignee: *See*—
Bruen, George C.
- Stuart, Harve R., Springfield, Ohio. Self-compensating means for make and break circuits. 2,477,775, Aug. 2.
- Stuart, Homer B., Grosse Pointe, Mich., assignor to Detroit Magnetic Inspection Company. Clothesline reel. 2,464,832, Mar. 22.
- Stuart, John W.: *See*—
Coyne, Vincent C., and Stuart.
- Stuart, Joseph II, Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Cutting machine. 2,460,954, Feb. 8.
- Stuart, Joseph, III.: *See*—
Bragdon, Thomas, MacNeil, Stuart, III, and Williams. Hiller, Stanley, Jr., and Stuart.
- Stuart, Joseph, III, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Convertible helicopter-airplane. 2,478,847, Aug. 9.
- Stuart, Joseph, III, and W. D. Berkley, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Controllable pitch propeller. 2,476,638, July 19.
- Stuart, Kenneth B., Denver, Colo., assignor to The Colorado Fuel and Iron Corporation. Preparing a phosphate-impregnated acid-treated activated charcoal. 2,464,902, Mar. 22.
- Stuart, Kimberly, assignee: *See*—
Wilson, Allen B.
- Stubau, Carl J., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump coupling. 2,484,321, Oct. 11.
- Stubblebine, Warren, Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Tall oil-cellulose ether composition. 2,457,847, Jan. 4.
- Stubblebine, Warren, Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Floor and wall covering. 2,457,848, Jan. 4.
- Stubblebine, Warren, assignor to Armstrong Cork Company, Lancaster, Pa. Hard surface wall and floor covering. 2,491,530, Dec. 20.
- Stubbs, Joseph J.: *See*—
Dimick, Keene P., Stubbs, Garibaldi, Lightbody, and Fevold.
- Stuber, Walter J., assignor to Carey-McFall Company, Philadelphia, Pa. Shade roller mechanism. 2,487,741, Nov. 8.
- Stuber, Walter J., and J. J. Di Ienno, assignors to Carey-McFall Company, Philadelphia, Pa. Convertible head-rail bracket for Venetian blinds. 2,486,996, Nov. 1.
- Stuchlik, René E. F.: *See*—
Corbiere, Paul C. E. J., and Stuchlik.
- Stucker, Joseph B., Oak Park, E. T. Fronczak, Chicago, and G. Wolfram, Desplaines, assignors to The Pure Oil Company, Chicago, Ill. Preparation of high-viscosity extreme pressure base by air-blowing. 2,483,600, Oct. 4.
- Stuckey, Harold R., and W. N. Yates, Pittsburgh, Pa. Toy shovel. 2,466,619, Apr. 5.
- Studebaker Corporation, The, assignee: *See*—
Churchill, Harold E.
Fowler, Bert F.
Greenlee, Harry R.
Haigh, Paul V., and Horton.
Hasbany, Woodrow A.
Sullivan, Perry W.
- Studen, John, Erie, Pa., J. D. Pollard, Baltimore, Md., and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Permanent paper and making same. 2,492,821, Dec. 27.
- Studen, John, Erie, Pa., J. D. Pollard, Baltimore, Md., and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Permanent paper and making same. 2,492,822, Dec. 27.
- Studer, Walter J., Buffalo, N. Y. Shuttlecock. 2,484,475, Oct. 11.
- Studler, René R., Washington, D. C., S. Feltman, Arlington, Va., and C. E. Balleisen, Philadelphia, Pa. Cartridge. 2,482,132, Sept. 20.
- Studley, Clarence K., Jr., Berkeley, Calif., assignor to Marchant Calculating Machine Company. Revolutions counter actuator. 2,462,690, Feb. 22.
- Stue, Trygve B., Oslo, Norway. Lock. 2,478,338, Aug. 9.
- Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Shovel loader. 2,461,093, Feb. 8.
- Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Tractor mounted loader. 2,489,469, Nov. 29.
- Stuer, Joseph, Lawrence, assignor to Pearson & Pearson, Lowell, Mass. Horizontally movable transfer hammer dog for automatic looms. 2,486,997, Nov. 1.
- Stuhlfauth, George: *See*—
Morberg, Ivar A., and Stuhlfauth.
- Stuhrman, Ahlert P., Miami, and C. W. McKee, Hialeah, Fla., assignors, by mesne assignments, to Link Aviation, Inc. Apparatus for training aircraft personnel in radio navigation. 2,485,331, Oct. 18.
- Stukart, Hendrik: *See*—
Ahrndt, Arthur H., Krenzke, and Stukart.
- Stukart, Hendrik, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Meat tendering machine. 2,482,991, Sept. 27.
- Stuland, Tor, Stord, Norway. Method and apparatus for detecting variations in the appearance of an object or sample. 2,470,877, May 24.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Optical inspection apparatus for use in inspecting potentiometer cards. 2,461,939, Feb. 15.
- Stull, John S., Chicago, Ill. Fastener feeding and securing apparatus. 2,471,793, May 31.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Dial telephone calling device. 2,479,088, Aug. 16.
- Stults, Edward W.: *See*—
Ensinger, Floyd R., and Stults.
- Stultz, Ernest L., North Kansas City, Mo. Refrigerator display case. 2,466,286, Apr. 5.
- Stumbock, Max J., South Orange, assignor to Baker & Company, Inc., Newark, N. J. Electrical contact element containing tin oxide. 2,486,341, Oct. 25.
- Stumpf, Michael J., assignor, by mesne assignments, to National Metal Edge Box Company, Philadelphia, Pa. Box staying machine. 2,480,888, Sept. 6.

- Stunkel, John C., assignee: *See*—
Stetson, John C.
- Stupakoff Ceramic & Manufacturing Company, assignee: *See*—
Stupakoff, Semon H.
Stupakoff, Semon H., and Stark.
- Stupakoff, Semon H., assignor to Stupakoff Ceramic & Manufacturing Company, Latrobe, Pa. Hermetic seal for electric terminals and the like. 2,458,748, Jan. 11.
- Stupakoff, Semon H., Latrobe, and R. E. Stark, Greensburg, assignors to Stupakoff Ceramic & Manufacturing Company, Latrobe, Pa. Expanding chuck. 2,466,974, Apr. 12.
- Stupp Bros. Bridge & Iron Company, assignee: *See*—
Nevills, Lester J.
- Sturbelle, Lucien C., New York, N. Y. Preparation of magnesium from its ores. 2,461,009, Feb. 8.
- Sturdbill Milk Box Corp., assignee: *See*—
Praeger, Charles W., Blum, and Jochimsen.
- Sturdivant, William F., assignee: *See*—
Phipps, John T.
- Sturdy Electric Company Limited, assignee: *See*—
Lark, Gordon T. K., and Davie.
- Sturgeon, Edward G., Pontiac, F. von Valtier, Detroit, L. Wiedenbeck, Berkley, and L. N. Butler, Detroit, Mich., assignors, by mesne assignments, to Eclipse Counterscore Company, Cutting tool. 2,491,626, Dec. 20.
- Sturgis, Bernard M., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of phenyl-beta-naphthylamine. 2,467,705, Apr. 19.
- Sturgis, Bernard M., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of phenyl-beta-naphthylamine. 2,467,706, Apr. 19.
- Sturgis, Bernard M., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of phenyl-beta-naphthylamine. 2,467,707, Apr. 19.
- Sturgis, Bernard M., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of phenyl-beta-naphthylamine. 2,467,708, Apr. 19.
- Sturgis, Bernard M., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized aromatic isocyanates. 2,476,779, July 19.
- Sturgis, Bernard M., Pitman, N. J., and J. H. Trepagnier, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of butadiene elastomers. 2,477,015, July 26.
- Sturgis, Bernard M., Pitman, N. J., and A. A. Baum, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanizing elastomers. 2,489,340, Nov. 29.
- Sturgis Products Company, The, assignee: *See*—
Bogema, Richard E.
Castle, Carl H.
- Sturm, Lewis D., Portland, Oreg. Pipe marking device. 2,464,901, Mar. 22.
- Sturm, Ralph E., Baltimore, and J. R. Cosby, Towson, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Voltage responsive trip circuit. 2,467,948, Apr. 19.
- Sturm, Rudolf E., Flushing, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Harmonic-frequency generator. 2,484,763, Oct. 11.
- Sturrock, James, Cleveland Heights, Ohio, assignor to The Rotor Tool Company. Speed responsive valve. 2,485,514, Oct. 18.
- Sturtevant, Charles L., United States Navy, and W. R. McCallahan, Jr., Washington, D. C. Navigational protractor for use on charts. 2,488,570, Nov. 22.
- Sturtevant, Mark J., assignor to Wingfoot Corporation, Akron, Ohio. Outboard motor mounting. 2,483,249, Sept. 27.
- Sturtevant, Paul A., Elmhurst, Ill. Track coupler. 2,483,741, Oct. 4.
- Sturtevant, Paul A., Elmhurst, Ill. Torque applier. 2,491,531, Dec. 20.
- Sturzenegger, Caspar, Zurich-Affoltern, Switzerland. Motor-driven adjustable eraser. 2,487,903, Nov. 15.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc discharge device. 2,459,199, Jan. 18.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrode assembly for electron-discharge tubes. 2,461,578, Feb. 15.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Cold-cathode gas tube with starting electrode. 2,462,142, Feb. 22.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,463,577, Mar. 8.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge apparatus. 2,466,749, Apr. 12.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Cascade amplifying circuit using gaseous discharge tubes. 2,468,417, Apr. 26.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,472,865, June 14.
- Stutsman, Paul W., Needham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Glow tube rectifier. 2,473,831, June 21.
- Stutsman, Paul W., Needham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,473,832, June 21.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,473,833, June 21.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical circuits. 2,480,684, Aug. 30.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,481,365, Sept. 6.
- Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrode structure for gaseous discharge devices. 2,491,425, Dec. 13.
- Stutz, Frederick L., assignor to Kirsch Company, Sturgis, Mich. Venetian blind assembly and bottom rail therefor. 2,482,036, Sept. 13.
- Stutz, Frederick L., assignor to Kirsch Company, Sturgis, Mich. Traverse curtain rod structure. 2,486,224, Oct. 25.
- Stuvell, Bernard D., Indianapolis, Ind. Emergency handle. 2,463,066, Mar. 1.
- Styles, Helen: *See*—
Singer, Heron O., and Styles.
- Stylofede Corporation, assignee: *See*—
Robbins, Jesse J.
- Subber, Leonard S., Upper Darby, Pa. Snap gauge. 2,469,613, May 10.
- Subkow, Philip, Los Angeles, Calif. Inhibitor. 2,472,318, June 7.
- Submarine Signal Company, assignee: *See*—
Anderson, Albert E.
Batchelder, Laurence.
Beechlyn, John T.
Benioff, Hugo.
Bird, William G.
Danforth, George L.
Fryklund, Robert A.
Gorton, William G.
Grabau, William C.
Harrison, Bertram M.
Peterson, Robert E.
Shropshire, Ralph F.
Turner, Edwin E., Jr.
- Succop, Anna L., assignee: *See*—
Succop, Charles E. and A. L.
- Succop, Charles E., Los Angeles, Calif., assignor to A. L. Succop. Milling tool. 2,477,153, July 26.
- Suchy, Charles T., London, England. Metallization of electrically nonconductive fabrics, fibrous materials, and porous materials. 2,474,502, June 28.
- Suda, John S.: *See*—
Bowden, James J., and Suda.
- Sudbrink, Harold J., Woodside, Long Island, N. Y. Lighter. 2,462,143, Feb. 22.
- Sudduth, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Variable load brake. 2,458,965, Jan. 11.
- Sudholz, Louis H.: *See*—
Mapes, Gerard S., and Sudholz.
- Sudlow, Edmund W., assignee: *See*—
Oliver, George F. N.
- Sudlow, Fred E., assignee: *See*—
Holsclaw, Neil.
- Suesholtz, Herbert D., Mount Vernon, and F. W. Prognier, Jr., Ardsley, assignors to Sonotone Corporation, Elmsford, N. Y. Electrode assembly for electron space discharge devices. 2,464,272, Mar. 15.
- Suffield, Frederick G., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tube. 2,470,666, May 17.
- Suffolk Iron Foundry (1920) Ltd., assignee: *See*—
Rosenberg, Frederick.
- Sugar, Aaron, Philadelphia, Pa. Greeting card and envelope assembly. 2,491,227, Dec. 13.
- Sugar Creek Creamery Company, assignee: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.
Lundal, Inzie J.
- Sugden, Clifford N., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Making socket and tube assemblies for Bourdon tube instruments. 2,478,022, Aug. 2.
- Sugate, Harold G.: *See*—
Kendall, John D., Sugate, and Wood.
- Suggs, Thomas F., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Magazine creel. 2,483,160, Sept. 27.
- Suggs, Thomas F., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Beam doffing mechanism. 2,487,492, Nov. 8.
- Suhajda, Emil, assignor to G. H. Bishop Company, Chicago, Ill. Shirt folding unit. 2,491,289, Dec. 13.
- Suhl, Richard W., Sullivan, and E. C. Marxmiller, Arthur, Ill. Wagon tongue hitch. 2,470,531, May 17.
- Suhr, Albert H., Chicago, Ill. Weedless artificial fish bait. 2,474,883, June 28.
- Suhr, Henry B.: *See*—
Johnson, Arthur K., and Suhr.

- Sulich, Dorothy M., Seattle, Wash. Bottle holder. 2,475,923, July 12.
- Suite, Jack D., Tucson, Ariz. Guitar. 2,488,646, Nov. 22.
- Suiter, Earle E., United States Navy. Aircraft landing gear. 2,468,790, May 3.
- Suiter, Earle E., United States Navy. Navigational plotting instrument. 2,485,674, Oct. 25.
- Suiter, Harold G., Baltimore, Md. Bottle carrier. 2,475,924, July 12.
- Sukumlyn, Thomas W., Los Angeles, Calif. Optical light wedge. 2,472,991, June 14.
- Sulcek, Charles E.: *See*—
Palmer, John S., and Sulcek.
- Süll, Luis, Buenos Aires, Argentina. Rotary cigarette dispenser. 2,480,977, Sept. 6.
- Sullivan, Clarence E., Atlanta, Ga. Tire deflation switch. 2,461,299, Feb. 8.
- Sullivan, Earle C., Bridgeport, Conn., assignor to General Electric Company. Safety and relief valve. 2,459,553, Jan. 18.
- Sullivan, Edmund R., Louisville, Ky. Locking device for clamp screws. 2,478,339, Aug. 9.
- Sullivan, Frank J., Oshkosh, Wis. Quick release mechanism for parachute harnesses. 2,461,785, Feb. 15.
- Sullivan, Frank J., Oshkosh, Wis. Quick release mechanism for parachute cargo harness. 2,490,558, Dec. 6.
- Sullivan, George C.: *See*—
Nigg, Gilbert W., and Sullivan.
- Sullivan, George R., Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Shiftable tab means for address printing plates. 2,465,494, Mar. 29.
- Sullivan, Gerald P., Detroit, and O. L. Simunich, Farmington, assignors to The Jam Handy Organization, Inc., Detroit, Mich. Convertible easel case. 2,476,568, July 19.
- Sullivan, Gregory B., Chicago, Ill. Tourniquet. 2,468,133, Apr. 26.
- Sullivan, Harry H., and W. L., and F. G. Wilde, assignors to Paragon Revolute Corporation, Rochester, N. Y. Gas developing machine for photosensitive sheets having automatic gas delivery. 2,475,809, July 12.
- Sullivan, James J., West Warren, Mass. Convertible swing construction. 2,478,432, Aug. 9.
- Sullivan, Matthew D., Flint, Mich. Spring suspension for automobile trailers. 2,464,467, Mar. 15.
- Sullivan, Michael, Youngstown, Ohio. Tethering post. 2,472,926, June 14.
- Sullivan, Miles V.: *See*—
Friedman, Herbert, Zisman, and Sullivan.
- Sullivan, Perry W., assignor to The Studebaker Corporation, South Bend, Ind. Push-button means. 2,460,607, Feb. 1.
- Sullivan, Ramon E., San Francisco, Calif. Game device. 2,469,058, May 3.
- Sullivan, Raymond H., V. H. Hardy, and H. C. Porter, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Electric motor speed control system. 2,478,848, Aug. 9.
- Sullivan, Raymond L.: *See*—
Nave, David T., and Sullivan.
- Sullivan, Raymond S., Redondo Beach, Calif. Mixed liquid heater and separator. 2,480,099, Aug. 23.
- Sullivan, Raymond V., St. Louis, Mo. Garment fastener. 2,472,235, June 7.
- Sullivan, Timothy J., assignor to Sullivan Valve and Engineering Company, Butte, Mont. Vacuum regulator. 2,461,666, Feb. 15.
- Sullivan Valve and Engineering Company, assignee: *See*—
Sullivan, Timothy J.
- Sullivan, Warren L.: *See*—
Sullivan, Harry H., Sullivan, and Wilde.
- Sullivan, Woodruff T., assignor to J. B. Martin Company, Norwich, Conn. Machine for cutting double pile fabrics. 2,476,780, July 19.
- Sully, John, Joliet, Ill., assignor to American Car and Foundry Company, New York, N. Y. Safety band brake for high-speed tools. 2,480,343, Aug. 30.
- Sulphite Products Corporation, assignee: *See*—
Grangaard, Donald H.
- Lewis, Harry F., and Pearl.
- Pearl, Irwin A.
- Sultan, Arthur H., Baltimore, Md. Record disk cutting device. 2,489,685, Nov. 29.
- Sulzbacher, Max, assignor to Butacet Limited, London, England. Separation of acetone and butyl alcohol from fermented mash by activated charcoal. 2,474,170, June 21.
- Sulzer Freres, Societe Anonyme, assignee: *See*—
Aue, Georg.
- Caille, Charles.
- Fraf, Emil.
- Huber, Walter.
- Kilchenmann, Walter.
- Kuert, Fritz.
- Lieberherr, Hans.
- Melsser, Christian.
- Steiner, Hans.
- Traupel, Walter.
- Suma, Arthur R., Sr., Chicago, Ill. Burglar alarm for windows and doors. 2,469,528, May 10.
- Suman, Robert W., Chicago, Ill., assignor, by mesne assignments, to Timken Silent Automatic Division, The Timken-Detroit Axle Company, Detroit, Mich. Stoker. 2,457,849, Jan. 4.
- Sumerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Treatment of solid diluent in hydrocarbon synthesis process. 2,471,913, May 31.
- Sumida, Kunio A., Urbana, assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill. Wrapping machine. 2,486,892, Nov. 1.
- Summa, Henry T., Evanston, Ill. Traction device. 2,466,918, Apr. 12.
- Summerbell, Edith M., executrix: *See*—
Summerbell, William.
- Summerbell, William, Washington, D. C.; E. M. Summerbell, executrix of said W. Summerbell, deceased. Adapter for guns. 2,482,808, Sept. 27.
- Summerbell, William, Washington, D. C.; E. M. Summerbell, executrix of said W. Summerbell, deceased. Cocking mechanism. 2,490,846, Dec. 13.
- Summerbell, William, and S. Weiss, Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Breachblock operating mechanism with a torsion closing spring. 2,462,920, Mar. 1.
- Summerhayes, Harry R., Jr., Schenectady, N. Y., assignor to General Electric Company. Trigger network. 2,459,852, Jan. 25.
- Summerhayes, Harry R., Jr., and P. W. Howells, Schenectady, N. Y., assignors to General Electric Company. Frequency monitoring system. 2,478,023, Aug. 2.
- Summers, Arthur R.: *See*—
McDaniel, Eskel J., and Summers.
- Summers, Earl, assignee: *See*—
Jones, Harry T.
- Summers, Otto M., Glasgow, Ky., assignor to The Thompson Grinder Company, Springfield, Ohio. Filtering system. 2,482,302, Sept. 20.
- Summers, Theodore, Kalamazoo, Mich. Warning guard for saws. 2,487,396, Nov. 8.
- Summers, Thomas O., Jr., Los Angeles, Calif. Gyro vertical. 2,486,578, Nov. 1.
- Summerville, Donald V., Fort Erie, Ontario, Canada, assignor to Aeromat Products Company, Inc., Buffalo, N. Y. Massaging apparatus or the like. 2,460,245, Jan. 25.
- Summer, Robert J., Manchester, N. H., assignor to Roberts Chemical Company, Perth Amboy, N. J. Manufacture of coloring matters of the phthalocyanine series from phthalyl halides. 2,471,794, May 31.
- Summer, Thomas, Salt Lake City, Utah. Soap dispenser with reciprocating cutter blade. 2,480,271, Aug. 30.
- Sun Chemical Corporation, assignee: *See*—
Blake, Norman B.
- Cummings, Leland W. T.
- Daniel, Frederick K.
- Denton, Harold H.
- Fish, John J.
- Harper, James I.
- Hirschler, Alfred E.
- MacLeod, James A.
- Pingree, Raymond A., and Ackerman.
- Rote, John G., Jr.
- Talbot, William F., and Buchdahl.
- Wekeman, Stephen N.
- Zerner, Ernst, and Gradsztain.
- Zerner, Ernst, and Pollak.
- Sun Electric Corporation, assignee: *See*—
Nilson, James H., and Westberg.
- Sun, Kuan-Han: *See*—
Martinson, Lawrence E., and Sun.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Fluoborate glasses. 2,466,505, Apr. 5.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Making fluoride glass. 2,466,507, Apr. 5.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Beryllio-aluminate glass. 2,466,508, Apr. 5.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Fluoride glass. 2,466,509, Apr. 5.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Lead-titanium-borate glass. 2,472,447, June 7.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Thallium-silicate glass. 2,472,448, June 7.
- Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. High dispersion fluosilicate glasses. 2,481,701, Sept. 13.
- Sun, Kuan-Han, and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Fluoride glasses. 2,466,506, Apr. 5.
- Sun, Kuan-Han, and T. E. Callear, assignors to Eastman Kodak Company, Rochester, N. Y. Borate optical glass. 2,466,510, Apr. 5.
- Sun, Kuan-Han, and M. L. Huggins, assignors to Eastman Kodak Company, Rochester, N. Y. Fluophosphate glass. 2,481,700, Sept. 13.

- Sun Oil Company, assignee: *See*—
 Banks, Daniel B.
 Barnes, William E.
 Bates, John R.
 Dougherty, Patrick F., Barton, and Hughes.
 Hague, Fred.
 Hetzel, Stanford J., and Kennedy.
 Hirschler, Alfred E.
 Johnson, Herbert L.
 Jolly, Samuel E.
 Kennedy, Robert M., and Hetzel.
 Lipkin, Moses R.
 McNamara, Francis J.
 Millington, John W., and Stewart.
 Perkins, Holloway W.
 Peters, Harry F.
 Pew, Joseph N., Jr.
 Ritz, Bruce L., and Johnson.
 Rosenbaum, Eugene J.
 Skeen, John R.
 Stewart, William H.
 Winterhalter, Alfred C.
- Sun Rubber Company, The, assignee: *See*—
 Rempel, Dietrich G.
 Kempthorn, David C.
- Sun Tube Corporation, The, assignee: *See*—
 Friden, John H., and Abrecht.
- Sunbeam Corporation, assignee: *See*—
 Koci, Ludvik J.
 McNamara, Francis C.
 Storm, Herbert F.
- Sunbury Wire Rope Manufacturing Company, assignee: *See*—
 MacCreadie, William T.
- Sunday, Margaret L.: *See*—
 Hughes, Everett C., Bartleson, Sunday, and Fink.
- Sundet, Sherman A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Terminating the polymerization of butadiene-1,3 hydrocarbons. 2,469,017, May 3.
- Sundstrand Machine Tool Co., assignee: *See*—
 Ekstrom, Gustaf H.
 Wahlmark, Gunnar A.
- Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation. Accounting machine. 2,459,468, Jan. 18.
- Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Typewriting and accounting machine. 2,459,469, Jan. 18.
- Sundstrom, Savin L., assignor to The Bastian-Blessing Company, Chicago, Ill. Liquefied petroleum gas system. 2,461,940, Feb. 15.
- Sundt, Edward V., Arcadia, Calif. Circuit protector. 2,458,804, Jan. 11.
- Sundt, Edward V., Arcadia, Calif. Circuit breaker. 2,474,762, June 28.
- Sundt, Edward V., Chicago, Ill. Flasher circuits. 2,465,131, Mar. 22.
- Sundt, Edward V., Chicago, Ill., assignor to Littelfuse, Incorporated. High-voltage tester and indicator. 2,474,073, June 21.
- Sundt, Vigo von K., assignor to Gisholt Machine Company, Madison, Wis. Headstock control mechanism for machine tools. 2,465,942, Mar. 29.
- Suñé Barnola, Salvador, Paris, France, assignor to Reproducciones Artísticas, S. A., Mexico City, Mexico. Picture transfer process. 2,489,987, Nov. 29.
- Sunroc Refrigeration Company, assignee: *See*—
 Morrison, Samuel O.
 Morrison, Samuel O., Barnhart, and Gott.
- Sunseri, Vincent, Tarzana, Calif. Staccato tap. 2,479,428, Aug. 16.
- Sunstein, David E.: *See*—
 Munster, Allen C., and Sunstein.
- Sunstein, David E., Cynwyd, Pa., assignor to Philco Corporation. Electrical system. 2,461,667, Feb. 15.
- Sunstein, David E., Cynwyd, assignor to Philco Corporation, Philadelphia, Pa. Cathode-ray tube signal comparator. 2,480,978, Sept. 6.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Method and apparatus for reproduction of angular magnetic recording. 2,458,315, Jan. 4.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Electrical system. 2,463,004, Mar. 1.
- Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Automatic circuit-tuning apparatus. 2,468,350, Apr. 26.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Apparatus for electrically testing and classifying resistors. 2,468,843, May 3.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Magnetic transducer adapted to compensate for twisting of record wire. 2,469,750, May 10.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Apparatus for continuously predicting trends in observed data. 2,474,074, June 21.
- Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. High-frequency radiant energy absorbing device. 2,474,384, June 28.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Apparatus for continuously predicting a trend in observed data. 2,477,395, July 26.
- Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Alternating current type limit bridge. 2,479,051, Aug. 16.
- Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Synchronizing system for saw-tooth wave generators. 2,492,018, Dec. 20.
- Sun-Vic Controls Limited, assignee: *See*—
 Davis, Neville R.
- Super Mold Corporation, assignee: *See*—
 Glynn, Edwin A.
- Super Mold Corporation of California, assignee: *See*—
 Glynn, Edwin A.
- Super Tool Company, assignee: *See*—
 Marsh, Robert H.
- Superdraulic Corporation, assignee: *See*—
 Hoffer, James F.
- Superflow Manufacturing Corporation, assignee: *See*—
 Kromer, Wallace R.
- Superheater Company, The, assignee: *See*—
 McKee, Neal T.
 Rawson, Emanuel.
- Superior Coach Corporation, assignee: *See*—
 Schofield, Earl L., and Runkle.
- Superior Concrete Accessories, Inc., assignee: *See*—
 Hillberg, Bror.
- Superior Funeral Supply Corporation, assignee: *See*—
 Lange, Morris, and Spiegel.
- Superior Machine and Engineering Company, assignee: *See*—
 Hallead, Mervil.
- Superior Pipe Specialties Co., assignee: *See*—
 Ford, Alfred.
- Superior Steel Corporation, assignee: *See*—
 Keene, Walter L.
 Keene, Walter L., and Carlson.
- Superior Switchboard and Devices Company, assignee: *See*—
 Reynolds, Herbert E.
- Superior Tree Expert Co., Inc., assignee: *See*—
 Bridegroom, Walter.
- Superior Tube Company, assignee: *See*—
 Briggs, Thomas H., Jr.
 Reed, Price L.
- Super-Seal Container Corporation, assignee: *See*—
 Glocker, Gustave.
- Super Six Manufacturing Inc., assignee: *See*—
 Pfau, Leo D., Tufford, and Mayer.
- Super-Vent Co., assignee: *See*—
 Stearns, Sidney S.
- Supina, Alfred A., assignee: *See*—
 Supina, Leo E.
- Supina, Leo E., Westford, assignor of one-half to A. A. Supina, Stafford Springs, Conn. Parachute. 2,462,234, Feb. 22.
- Supple, Gilbert, Waban, Mass. Transversely rigid, longitudinally flexible, internal sole element for footwear. 2,461,355, Feb. 8.
- Supple, Franklin N. P., Philadelphia, Pa. Sterilizer for room atmospheres. 2,465,762, Mar. 29.
- Supply, Minister of, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
 Baumann, Karl.
- Surface, Carl F., Des Moines, Iowa. Cord adjuster. 2,465,132, Mar. 22.
- Surface Combustion Corporation, assignee: *See*—
 Cone, Carroll.
 Hepburn, William M., and Barber.
 Kelley, Gilbert A.
 Munford, Theodore W.
 Norman, Edward A., Jr.
 Weller, Harvey C.
- Surgi, William F., New Orleans, La. Lawn mower grass stop. 2,489,059, Nov. 22.
- Surico, Carmine, New York, N. Y. Process and apparatus for drying materials. 2,466,130, Apr. 5.
- Sus, Anton, Jr.: *See*—
 Sus, Joseph E. and Anton, Jr.
- Sus, Joseph E. and Anton, Jr., Racine, Wis. Automatic fish pole holder. 2,461,356, Feb. 8.
- Susa, Francis: *See*—
 Thornton, Arthur W., Stewart, and Susa.
- Suska, Charles R., Dayton, Ohio, assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Self-locking lever control. 2,458,446, Jan. 4.
- Sussenbach, Paul: *See*—
 Ferguson, William C., Sussenbach, and Limn.
- Sussin, David, South Fort Mitchell, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. X-ray spot film tunnel. 2,468,381, Apr. 26.
- Süsskind, Albert, Lugano-Cassarate, Switzerland. End-piece for slide fastener closures. 2,471,461, May 31.
- Sussman, Maurice D.: *See*—
 Rumpakis, Louis, Ivanoff, and Sussman.
- Sussman, Paul, assignee: *See*—
 Bischof, Paul.
- Sutch, John, Seattle, Wash. Combination haircutting machine. 2,485,787, Oct. 25.
- Suter, Chester M.: *See*—
 Albertson, Noel F., Archer, and Suter.
 Clinton, Raymond O., and Suter.
 Lawson, Elmer J., and Suter.

- Suter, Chester M., and A. W. Ruddy, Albany, assignors by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Process for preparing 1-(dihydroxyphenyl)-2-aminobutanol-1 and intermediates. Re. 23,100, Apr. 19.
- Suter, Hans, assignor to Cilag Limited, Schaffhausen, Switzerland. Production of new derivatives of pyridine-3-carboxylic acid. 2,483,250, Sept. 27.
- Suter, Joseph L., Springfield, Ill. Lamp mounting. 2,489,686, Nov. 29.
- Suthann, Robert A., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Sprocket adapter. 2,466,975, Apr. 12.
- Sutherland, Carl H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spring commutator. 2,468,844, May 3.
- Sutherland, Frederick F.: *See*—
Keight, Albert W., and Sutherland.
- Sutherland, Frederick F., and W. T. Stearn, Cumberland, Md., assignor to Celanese Corporation of America. Transport. 2,474,937, June 28.
- Sutherland, George W., Athol, Mass. Cleaning and lubricating firearms and other metal articles. 2,464,730, Mar. 15.
- Sutherland, Leslie H.: *See*—
Cislak, Francis E., and Sutherland.
- Sutherland Paper Company, assignee: *See*—
Annen, James E.
Burbank, Wendell T.
Buttery, Kenneth T.
Buttery, Kenneth T., and Stenger.
- Sutherland, Roy E., Fayette, Ala. Adjustable truss with automatic swivel. 2,489,831, Nov. 29.
- Sutliff, Carleton B.: *See*—
Hearn, Richard B., and Sutliff.
- Sutor, Paul E.: *See*—
Gallagher, William P., Weber, and Sutor.
- Sutphin, William C., Lebanon, Ind. Superheater for car heaters. 2,479,029, Aug. 16.
- Sutter, John M., St. Louis, Mo. Clamp having jaws adjustably mounted on resilient door-supporting plate. 2,487,742, Nov. 8.
- Sutter, Paul: *See*—
Holbro, Theodor, Kern and Sutter.
- Sutterfield, Noel H.: *See*—
Powers, Milton A., and Sutterfield.
- Sutton, Charles E., ancillary administrator: *See*—
Sutton, Charles G.
- Sutton, Charles G., Dayton, Ohio; C. E. Sutton, ancillary administrator of said C. G. Sutton, deceased, assignor to G. I. Sutton, Los Angeles, Calif. Balance testing device. 2,481,256, Sept. 6.
- Sutton, Charles Z., Piedmont, Calif. Book back support. 2,479,647, Aug. 23.
- Sutton, Donald E., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Worktable for belt grinders and the like. 2,462,788, Feb. 22.
- Sutton, George P., Los Angeles, C. M. Wolfe, Covina, and J. A. Widenmann, South Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Pressure pick-up. 2,485,515, Oct. 18.
- Sutton, Gwen I., assignee: *See*—
Sutton, Charles G.
- Sutton, Harry A., Baltimore, Md., and R. Evers, Coronado, Calif., assignors to Consolidated Vultee Aircraft Corporation. Aircraft control means. 2,492,245, Dec. 27.
- Sutton, Myer S.: *See*—
Rifkin, Milton, and Sutton.
- Sutton, Robert W., Milwaukee, Oreg. Folding gaff. 2,461,941, Feb. 15.
- Sutton, Roy N., and E. A. Thomas, assignor to Arrow Shoe Machinery Co., St. Louis, Mo. Shoe machine. 2,485,332, Oct. 18.
- Sutton, Walter C., Shaker Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Flexible belt. 2,475,264, July 5.
- Sutton, William H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus and process useful in making copper oxide rectifiers. 2,488,445, Nov. 15.
- Suverkrop, Lew, Bakersfield, Calif. Adjustable plumb bob. 2,469,583, May 10.
- Suva, Ignaz, Jackson Heights, assignor to National Electric Instrument Co., Inc., Elmhurst, N. Y. Lamp for endoscopic instruments. 2,473,479, June 14.
- Svaetichin, Gunnar, assignor to Lilius & Co. Oy. Ab., and R. Lilius, Helsingfors, Finland. Angular and knee splint. 2,486,687, Nov. 1.
- Svancarek, John R., Homewood, Ill. Harness stop motion attachment for looms. 2,465,615, Mar. 29.
- Svarz, Jerry: *See*—
Kaiser, Emil, and Svarz.
- Sveda, Michael: *See*—
Beachell, Harold C., and Sveda.
- Sveda, Michael, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of DDT of improved quality. 2,463,653, Mar. 8.
- Sveda, Michael, East Rutherford, N. J. Necktie. 2,478,604, Aug. 9.
- Svensden, Edward C., and W. J. Clayton, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Reducing odor and surface tack of neoprene objects. 2,458,221, Jan. 4.
- Svenska, A. B., Maskinersken, assignee: *See*—
Dalin, David, and Hagby.
- Svenska Aktiebolaget Bromsregulator, assignee: *See*—
Carlbon, Axel G. H.
- Svenska Aktiebolaget Philips, assignee: *See*—
Falk, Sven G.
- Svenska Cellulosa Aktiebolaget, assignee: *See*—
Wahlin, Bengt G.
- Svenska Flygmotor Aktiebolaget, assignee: *See*—
Bergstedt, Karl A.
- Svenska Jästfabriks Aktiebolaget, assignee: *See*—
Rosenqvist, Sven O.
- Svenska Mjölksprodukter, Aktiebolag, assignee: *See*—
Lindewald, Thorten W., and Gruben.
- Svenska Turbinfabriks Aktiebolaget Ljungström, assignee: *See*—
Moller, Ragnar O. J.
- Svensson, Agnes B., administratrix, assignee: *See*—
Svensson, Henry.
- Svensson, Henry, New York, N. Y.; A. B. Svensson, administratrix of said H. Svensson, deceased, assignor, by mesne assignments, to A. B. Svensson, New York, N. Y. Log impregnating device. 2,473,480, June 14.
- Svensson, Henry, deceased, late of New York, assignor, by mesne assignments, to A. B. Svensson, administratrix, New York, N. Y. Variable-speed changing device. 2,492,071, Dec. 20.
- Svensson, Victor A.: *See*—
McLaren, Peter F., Vaughan, and Svensson.
- Svoboda, Antonin, Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Computing linkage. 2,459,726, Jan. 18.
- Swaffield, Charles H., assignee: *See*—
Werner, Edward A.
- Swahnberg, Gunnar, Keene, N. H. Knife structure for lawn mowers and the like. 2,490,169, Dec. 6.
- Swahnberg, Gunnar, Keene, N. H. Knife structure for lawn mowers and the like. 2,490,170, Dec. 6.
- Swahnberg, Gunnar, Keene, N. H. Roller mounting for lawn mowers. 2,490,171, Dec. 6.
- Swahnberg, Gunnar, Keene, N. H. Bidirectional overload clutch. 2,490,172, Dec. 6.
- Swahnberg, Gunnar, Keene, N. H. Blade oscillating and driving mechanism for lawn mowers. 2,490,173, Dec. 6.
- Swain, Pat M., Fort Smith, Ark. Artificial fishing lure retriever. 2,482,037, Sept. 13.
- Swain, Gurdon, Houston, Tex. Trailer hitch and brake-actuating means. 2,483,074, Sept. 27.
- Swain, Jay S., Los Angeles, Calif. Baby's bottle holder. 2,470,379, May 17.
- Swain, Leonard W., and J. A. Hunt, assignors to The Hymatic Engineering Company Limited, Redditch, England. Fluid control valve. 2,489,596, Nov. 29.
- Swain, Robert R.: *See*—
Waller, Fred, Dresser, Swain, and Wengel.
- Swainey, Homer L.: *See*—
Flygare, Carl G., and Swainey.
- Swainson, Swain J.: *See*—
Walker, Godfrey B., and Swainson.
- Swan, Carl W., Skokie, assignor to Teletype Corporation, Chicago, Ill. Key operated transmitter. 2,472,733, June 7.
- Swan, Donald R., Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Low viscosity polyvinyl butyral resins and making same. 2,469,318, May 3.
- Swan, Donald R., Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sanding sealers embodying polyvinyl butyral resins. 2,469,319, May 3.
- Swan, Donald R., Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Coating compositions embodying polyvinyl butyral resins and making same. 2,469,320, May 3.
- Swaney, Miller W.: *See*—
Morrell, Charles E., and Swaney.
Yowell, Howard L., and Swaney.
- Swaney, Miller W., Cranford, and G. E. Serniuk, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,481,257, Sept. 6.
- Swanfelt, Russell J., Fort Wayne, Ind. Condenser tester. 2,488,691, Nov. 22.
- Swan-Finch Oil Corporation, assignee: *See*—
Hartwig, Carl E.
- Swank, Inc., assignee: *See*—
Howard, Viola T.
Marlen, Clement.
- Swank, Robert K.: *See*—
Palevsky, Harry, and Swank.
- Swann, John: *See*—
Wagner, William, and Swann.
- Swanski, Joseph, Worcester, Mass. Collapsible window ventilator. 2,469,903, May 10.
- Swanson, Alfred J., Hollywood, Calif. Adjusting means for cartridge type door control hinges. 2,469,447, May 10.

- Swanson, Alfred J., Hollywood, Calif. Hydraulic checking hinge. 2,484,764, Oct. 11.
- Swanson, Alfred J., Hollywood, Calif. Detent for cartridge type door hinges. 2,485,937, Oct. 25.
- Swanson, Carl O., Minneapolis, Minn. Self-cleaning door mat. 2,482,882, Sept. 27.
- Swanson, Clark F., Cologne, Minn. Door actuated signal flag for mailboxes. 2,478,727, Aug. 9.
- Swanson, Donald F., Chicago, Ill. Coffee-making apparatus and automatic control means therefor. 2,485,246, Oct. 18.
- Swanson, Earl R., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Reinforced corrugated panel. 2,480,789, Aug. 30.
- Swanson, Earnest F., Bristol, assignor to C. G. Conn, Ltd., Elkhart, Ind. Key mounting. 2,466,511, Apr. 5.
- Swanson, Gunnar E., New Britain, Conn. Unitary tumbler cylinder lock. 2,460,551, Feb. 1.
- Swanson, Gunnar E., New Britain, Conn. Cylinder lock key retainer and positioner. 2,469,018, May 3.
- Swanson, Gunnar E., New Britain, Conn. Carrying case catch or lock. 2,478,433, Aug. 9.
- Swanson, Gunnar E., New Britain, Conn. Carrying case catch or lock. 2,478,434, Aug. 9.
- Swanson, Gunnar E., New Britain, Conn. Carrying case latching or locking device. 2,487,493, Nov. 8.
- Swanson, Laverne E., Manistee, Mich. Grappling tool for joists and studs. 2,472,500, June 7.
- Swanson, Oscar L., Erie, Pa. Measuring device. 2,489,597, Nov. 29.
- Swanson, Oscar W., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Shiftable type head mechanism for typewriting machines. 2,480,979, Sept. 6.
- Swanson, Ziegner, De Kalb, Ill. Slicethickness gauge for slicers. 2,474,171, June 21.
- Swanson, Ziegner, De Kalb, Ill. Slice thickness gauge for slicers. 2,477,217, July 26.
- Swanstrom, K. A., assignee: *See*—
Swanstrom, Klas A., and Sandemar.
- Swanstrom, Klas A., Buckingham Township, Bucks County, Pa., and B. C. Sandemar, Union N. J., said Sandemar assignor to K. A. Swanstrom. Holder for fastener elements. 2,477,429, July 26.
- Swanstrom, Klas A., Buckingham Township, Bucks County, Pa. Locking nut and manufacturing the same. 2,477,430, July 26.
- Swarbrick, John, Nokomis, Ill. Display device. 2,482,947, Sept. 27.
- Swart, Jay N., Evergreen Park, Ill. Alternating current generator. 2,464,999, Mar. 22.
- Swart, Richard H., assignor to Savage Arms Corporation, Utica, N. Y. Refrigeration plate cooling unit. 2,478,791, Aug. 9.
- Swarthout, David S., and J. W. Atkinson, Chicago, Ill. Recording and transcribing mechanism. 2,488,482, Nov. 15.
- Swartley, Robert, Willow Grove, Pa. Device for tapping beer barrels. 2,481,258, Sept. 6.
- Swartz, Clark, Cody, Wyo. Derrick mover. 2,469,087, May 3.
- Swartz, George A., Millington, N. J. Sight alignment measuring device. 2,484,195, Oct. 11.
- Swartz, Lou, Brookline, Mass. Button or buttonhole gauge. 2,479,648, Aug. 23.
- Swartz, William, Chicago, Ill., assignor to Embosograf Company of Illinois. Reproducing diagrams, designs, and the like. 2,467,242, Apr. 12.
- Swartz, William L.: *See*—
Webb, George, and Swartz.
- Swartzbaugh Manufacturing Company, The, assignee: *See*—
Weingardt, George C.
- Sway, Henry C., Bridgeport, Conn., assignor to General Electric Company. Snap-action thermostatic switch. 2,469,217, May 3.
- Swazy, Earl F.: *See*—
Larsen, Earl I., and Swazy.
- Sweeney, Isaac, and W. C. Hutchinson, Seminole, Okla. Safety hasp for sliding closures. 2,468,575, Apr. 26.
- Swearingen, Judson S., Southton, assignor, by mesne assignments, to Robinson Tool Company, Houston, Tex. Clinometer for well bores. 2,482,224, Sept. 20.
- Sweat, Max L., Salt Lake City, Utah. Operating table. 2,460,857, Feb. 8.
- Swebllus, Carl G., Hamden, Conn. Gas-operated self-loading firearm. 2,487,198, Nov. 8.
- Swedish, Frank, Jr., Rothschild, Wis., assignor to The B. F. Goodrich Company, New York, N. Y. 2-mercaptopyrimidines and preparing same. 2,491,532, Dec. 20.
- Sweeney, B. K., Electrical Company, The, assignee: *See*—
Moritz, Max, and MacKay.
- Sweeney, George H., Los Angeles, Calif. Tire chain tong. 2,469,614, May 10.
- Sweeney, Joseph, Auburn, N. Y. Lavatory flush valve. 2,471,662, May 31.
- Sweeney, Joseph H., Clarksville, Tenn. Air-conditioning apparatus. 2,489,205, Nov. 22.
- Sweeney, Russell T., Indianapolis, Ind., assignor to Link-Belt Company. Drive chain. 2,486,618, Nov. 1.
- Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Cold starting motor fuel. 2,460,751, May 10.
- Sweeny, Alfred A., Denver, Colo., and M. F. Sweeny, Pittsburgh, Pa. Telemetering system. 2,491,591, Dec. 20.
- Sweeny, Maurice F.: *See*—
Sweeny, Alfred A. and M. F.
- Sweet, Laurie, London, England, assignor to Tinnerman Products, Inc., Cleveland, Ohio. Instrument housing and closure fastening device therefor. 2,477,705, Aug. 2.
- Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Grainless meter having transverse and oscillatory movement of the specimen. 2,469,935, May 10.
- Sweet, Monroe H., Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Logarithmic photometer. 2,478,163, Aug. 2.
- Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic sensitizer having an optical wedge on a rotating drum. 2,484,322, Oct. 11.
- Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photo tube housing with selectable filters. 2,484,323, Oct. 11.
- Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Biased diode logarithmic compensating circuit for electrical instruments. 2,492,901, Dec. 27.
- Sweet, Roger S., Highland Park, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Production of aminoacetal. 2,490,385, Dec. 6.
- Sweetman, George A., Trinidad, Colo. Removable gun sight attachment. 2,488,836, Nov. 22.
- Sweets Laboratories, Inc., assignee: *See*—
Lindhe, Eric G.
- Sweetser, Bert M., Glendale, Calif. Bonding machine. 2,482,133, Sept. 20.
- Sweetser, Sumner B., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesizing hydrocarbons. 2,471,914, May 31.
- Sweetser, Sumner B., Baton Rouge, La., assignor to Standard Oil Development Company. Regenerating synthesis catalyst with oxygen and return of oxidized catalyst to the synthesis reactor. 2,472,501, June 7.
- Sweetser, Sumner B., and L. B. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Heat control in an exothermic reaction. 2,468,521, Apr. 26.
- Sweger, Russell P., assignor to Barber-Colman Company, Rockford, Ill. Armature assembly. 2,491,140, Dec. 13.
- Swetz, Henry L., assignee: *See*—
Beymer, Marshall.
- Swennes, Benjamin A., Rockford, Ill., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Motor vehicle fuel tank. 2,459,470, Jan. 18.
- Swennes, Benjamin A., Rockford, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Amphibian tank. 2,487,397, Nov. 8.
- Swennes, Benjamin A., Rockford, Ill., L. E. Shelton, Kalamazoo, Mich., and C. E. Swenson, Rockford, Ill., assignors, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Wheels for endless track vehicles and mounting same. 2,459,975, Jan. 25.
- Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Lock for hinged handles of travel irons. 2,479,429, Aug. 16.
- Swenson, Carl E.: *See*—
Swennes, Benjamin A., Shelton, and Swenson.
- Swenson, Carl O., and A. Johanson, assignors to The Columbia Maltng Company, Chicago, Ill. Apparatus for applying bag ties. 2,478,435, Aug. 9.
- Swenson, Charles, New York, N. Y. Roll film cutting camera. 2,492,900, Dec. 27.
- Swenson, Edward R.: *See*—
Puls, Alfred E., and Swenson.
- Swenson, Elmer D.: *See*—
Potter, Elbert L., and Swenson.
- Swenson Evaporator Company, assignee: *See*—
Courtier, Edward W.
- Swenson, Gustave A., Bloomington, Ind. Stone manipulating implement. 2,464,103, Mar. 8.
- Swenson, Joseph W., Summit, N. J. Gutter leader unit. 2,457,940, Jan. 4.
- Swenson, Joseph W., Summit, N. J. Apparatus for forming the ends of wood pieces. 2,470,959, May 24.
- Swenson, Oscar J., Ithaca, assignor to Colonial Sugars Company, New York, N. Y., and S. C. Johnson & Son, Inc., Racine, Wis. Sugar cane wax refining. 2,464,189, Mar. 8.
- Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Grease. 2,487,080, Nov. 8.
- Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Grease. 2,487,081, Nov. 8.
- Swenson, Reuben A., and A. W. Weltkamp, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Mineral castor oil. 2,458,034, Jan. 4.
- Swenson, Theodore L., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Pasteurization and enzyme inactivity of fruits by electronic heating. 2,476,251, July 12.
- Swenson, Walter J.: *See*—
Maurer, Carl D., and Swenson.

- Swenson, Walter R., Flushing, assignor to The Dorr Company (Inc.), New York, N. Y. Control of ion exchange systems. 2,458,115, Jan. 4.
- Swenson, Malte: *See—*
Kerr, Kingdon, and Swenson.
- Swenton, John A., Bristol, Conn. Magnetic ball transfer. 2,462,235, Feb. 22.
- Swerdlow, Will: *See—*
Gorin, Manuel H., and Swerdlow.
- Swerdlow, Max H., Columbus, and J. H. Saidel, Dayton, Ohio. Foot duster. 2,484,659, Oct. 11.
- Swern, Daniel, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Ethers of 9,10-dihydroxyoctadecanol. 2,491,533, Dec. 20.
- Swern, Daniel, Philadelphia, and G. B. Dickel, Monongahela, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Copolymers of unsaturated esters of 9,10-dihydroxystearic acid. 2,475,557, July 5.
- Swern, Daniel, Philadelphia, J. T. Scanlan, Wyndmoor, and T. W. Findley, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Hydroxylation process. 2,492,201, Dec. 27.
- Swertlow, Theodore, Bronx, N. Y. Taxi hailing flag. 2,458,316, Jan. 4.
- Swetnam, Lewis H., El Paso, Tex., assignor of one-half to H. D. Fulwiler, Hose protector. 2,459,853, Jan. 25.
- Swietoslowski, Wojciech, assignor to Koppers Company, Pittsburgh, Pa. Purification of carbazole. 2,464,833, Mar. 22.
- Swietoslowski, Wojciech, and J. R. Anderson, assignors to Koppers Company, Inc., Pittsburgh, Pa. Separation of compounds by crystallization. 2,470,116, May 17.
- Swift, Clifford L.: *See—*
Carnagua, Harold E., and Swift.
- Swift & Company, assignee: *See—*
Ahrens, John W.
Beaver, Henry E.
Bloom, Oscar T., and Wanty.
Bollens, Walter F.
Coad, Frederic J.
Coffin, Owen T., and Raden.
De Moss, Leonard.
Fish, William R.
Gomeck, James.
Grettie, Donald P., and Young.
Gunther, James K.
Kauffman, Floyd L., and Urbain.
Leaders, William M.
McKee, Harry H.
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.
Paddock, Levi S.
Piskur, Michael M., and Higgins.
Rueckert, Dean E.
Scott, Everette C., and McDonald.
Urbain, Walter M., and Mink.
Urbain, Walter M., and Schauert.
Young, Harland H., and Rubinstein.
- Swift Electric Welder Company, assignee: *See—*
Lewis, Alfred H., and Sheren.
Taylor, Floyd E., and Lewis.
- Swift, Elmer M.: *See—*
Davis, Elmer M.
- Swift, Frank H., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic barker. 2,480,889, Sept. 6.
- Swift, Frank H., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic debarking method. 2,488,041, Nov. 15.
- Swift, George W., Jr., Inc., assignee: *See—*
Bruker, Hobart W.
- Swift, Gilbert, Tulsa, Okla., and C. B. Moore, Elberon, N. J. Octantal error calculator. 2,474,288, June 23.
- Swift Manufacturing Company, assignee: *See—*
Williams, Charlton H.
- Swift Tennis Ball Company Proprietary Limited, assignee: *See—*
Milner, Arthur E. P.
- Swift, Victor R., and M. Bockman, Pontiac, Ill. Rotating blade grass and weed cutter. 2,466,620, Apr. 5.
- Swift, Willard E., Jr., Foxboro, Mass. Grenade projector. 2,459,854, Jan. 25.
- Swift, William, Sutton Coldfield, assignor to Joseph Lucas Limited, Birmingham, England. Feeding mechanism for regulating the rate of feed of material from rotary supply drums or the like to wire-coiling and like machines. 2,491,228, Dec. 13.
- Swigart, Walter A., Chicago, Ill. Knife sharpener. 2,487,992, Nov. 15.
- Swilik, Edward C.: *See—*
Harris, Thomas, and Swilik.
- Swindell-Dressler Corporation, assignee: *See—*
Hanff, Edward A.
- Swindin, Norman, London, England. Process and apparatus for purifying pickling acid and recovering sulfates therefrom. 2,484,799, Oct. 11.
- Swindin, Norman, London, England. Apparatus for continuously purifying and concentrating acid pickling liquors. 2,492,333, Dec. 27.
- Swinehart, Frank, Strongsville, assignor to The Brush Development Company, Cleveland, Ohio. Moisture-proof piezoelectric crystal and making same. 2,483,677, Oct. 4.
- Swinehart, Richard W., A. B. Savage, and W. D. Kuhlman, assignors to The Dow Chemical Company, Midland, Mich. Making methyl carboxymethyl cellulose. 2,476,331, July 19.
- Swipp, Stanley W., Landover Hills, Md. Nonfouling breech sealing ring. 2,468,134, Apr. 26.
- Swiss firm of Ciba Limited, The, assignee: *See—*
Hauser, Hermann, and Bommer.
- Swiss, Jack, McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal chelate stabilized organic silicon compositions and products thereof. 2,465,296, Mar. 22.
- Swiss, Jack, McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polytetrafluoroethylene casting mold. 2,488,446, Nov. 15.
- Switlik Parachute Company, assignee: *See—*
Severance, Spencer W., and Rutkowski.
- Switlik Parachute Company, Inc., assignor: *See—*
Stretch, Albert T., Jr.
- Switzer, George W., Mill Valley, Calif., assignor of one-fourth to A. Blumenfeld and one-fourth to H. D. Neides. Automatic speed control of motors. 2,483,678, Oct. 4.
- Switzer, George W., Mill Valley, Calif., assignor of one-fourth to A. Blumenfeld and one-fourth to H. D. Neides. Automatic change-over for motion-picture projection. 2,483,679, Oct. 4.
- Switzer, Joseph L., assignee: *See—*
De Forest, Taber.
Ellis, Greer.
- Switzer, Joseph L., Cleveland Heights, and R. C. Switzer, South Euclid, Ohio. Fluorescent device and making the same. 2,475,529, July 5.
- Switzer, Robert C., assignee: *See—*
De Forest, Taber.
Ellis, Greer.
- Switzer, Joseph L., and R. C.
- Sydnor, Ashley R., Jr.: *See—*
Voorhies, Alexis, Jr., and Sydnor.
- Sykes, Arthur, and W. A. Tuplin, assignors to David Brown & Sons (Huddersfield), Limited, Huddersfield, England. Gear hobbing or like machine provided with rotary work table. 2,466,512, Apr. 5.
- Sykes, Charles, Sheffield, England, and C. W. Wright, deceased, late of Sheffield, England, by D. Wright, executrix, assignors to Thos. Firth & John Brown Limited, Sheffield, England. Production of columbium containing steel. 2,482,948, Sept. 27.
- Sykes, Clint, Tulsa, Okla. Tile setting template. 2,466,919, Apr. 12.
- Sykes, John, assignor to Enfield Rolling Mills Limited, Enfield, England. Copper base alloys. 2,482,225, Sept. 20.
- Sylvan, Joseph, Berkley, Mich. Window screen. 2,468,608, Apr. 26.
- Sylvan, Joseph, Berkley, Mich. Door structure. 2,488,944, Nov. 22.
- Sylvan, Stig G., Stockholm, Sweden, assignor to American Air Filter Company, Inc., Louisville, Ky. Separator. 2,482,642, Sept. 20.
- Sylvania Electric products Inc., assignee: *See—*
Bowerman, Edwin R., Jr.
Bowie, Robert M.
Butler, Keith H.
Casellini, Ezio T., and Sloan.
Cassanos, James G., and Butler.
Chun, Herbert H.
Cowley, Clayton R.
Ellefson, Bennett S.
Fine, Harold D.
Gehrke, Forrest E.
Gessford, Ross K.
Goodwin, Vernon D.
Harvey, Norman L.
Haven, Roger W.
Helterline, Leo L., Jr.
Hilliard, Robert C.
Ishler, Harry K.
Jones, Walter R.
Krahl, Walter L.
Lepore, Pasquale J.
McCarthy, Henry J.
McKenzie, Ronald J., Scholes, and Lull.
McNaughton, Roy A.
Orr, Mark J.
Pearce, George W.
Quinn, Gerald S., and McLoughlin.
Ratchford, Harry L.
Reitz, Norman J., and Loomis.
Rishell, George L.
Rochester, Nathaniel.
Schulman, James H.
Shaheen, John.
Sloan, Howard B.
Thomas, Ralph B., and Quinn.
Wynn, Arthur H. A.
Zetka, Joseph B.
- Sylvester, George R., Shaker Heights, Ohio. Furnace. 2,486,506, Nov. 1.
- Sylvester, Harold C.: *See—*
Barber, Edward A., Collins, and Sylvester.

- Sylvester, Kimmel A., Skokie, assignor to Teletype Corporation, Chicago, Ill. Code translator. 2,466,920, Apr. 12.
- Symens, Charles, Freeport, Ill. Cage trap. 2,478,605, Aug. 9.
- Symington-Gould Corporation, assignee: *See*—Couch, Glenn F.
- Symington-Gould Corporation, The, assignee: *See*—Barrows, Donald S.
Barrows, Donald S., and Blattner.
Couch, Glenn F.
- Symmes, Daniel D., West Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Positive drive variable speed control mechanism for reeling and unreeling devices and other uses. 2,478,674, Aug. 9.
- Symmonds, Loyal R., Fresno, Calif. Combined trailer hitch and brake control. 2,476,003, July 12.
- Symonds, Fred L., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Producing oxygen. 2,490,986, Dec. 13.
- Symonds, Ralph F.: *See*—Dorey, Horace V., and Symonds.
- Symonds, Ralph F., Marblehead, assignor to New England Trawler Equipment Co., Chelsea, Mass. Control circuit for hoisting devices. 2,489,832, Nov. 29.
- Symonds, Robert H.: *See*—Hutt, Stanley, and Symonds.
- Synck, Adolph J., and W. Vutz, Coldwater, Ohio, assignors, by mesne assignments, to Avco Manufacturing Corporation. Mowing machine. 2,463,726, Mar. 8.
- Synco Machine Company, assignee: *See*—Bruestle, Carl O.
- Synerholm, Martin E., Hastings on Hudson, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Esters of piperonyl chrysanthemum carboxylic acid. 2,458,656, Jan. 11.
- Synerholm, Martin E., Hastings on Hudson, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Saffrole-sulfoxide and sulfone insecticide and pyrethrin synergist. 2,486,445, Nov. 1.
- Synerholm, Martin E., Springfield, Mass., assignor to Boyce Thompson Institute for Plant Research, Inc. Sulfoxide and sulfone compounds. 2,486,579, Nov. 1.
- Syntron Company, assignee: *See*—Burt, Ralph.
Carson, Isadore W.
Green, Glenn.
- Syrov, Augustin J., and T. Iavelli, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,490,604, Dec. 6.
- Syversen, Arne, assignee: *See*—Eriksen, Aage A.
- Szabo, Edward J., and P. W. Christley, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Loom stopping means. 2,471,845, May 31.
- Szabó, Henrik, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Thermocontact. 2,457,941, Jan. 4.
- Szaj, Casimir C., Hales Corners, Wis. Rosary unit. 2,461,130, Feb. 8.
- Szalka, Alexander, Budapest, Hungary. Combined paper dispenser and advertising device. 2,461,706, Feb. 15.
- Szegho, Constantin S.: *See*—Baker, James G., and Szegho.
- Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Cathode-ray tube. 2,460,608, Feb. 1.
- Szekely, George, Tel Aviv, Palestine. Evaporator for therapeutic sterilizing, and insecticidal liquids. 2,472,992, June 14.
- Szklinski, Harry J., Milwaukee, Wis. Safety flashlight with interchangeably mounted sheath. 2,486,998, Nov. 1.
- Szenasi, Alfred J. and R. T., Hollday, Tex. Barrel holder. 2,485,075, Oct. 18.
- Szenasi, Rufus T.: *See*—Szenasi, Alfred J. and R. T.
- Szent-Györgyi, Albert E., London, England, assignor to Science Associates Inc., New York, N. Y. Preparation of a mixture of nucleotides containing predominantly adenosinotriphosphate. 2,472,130, June 7.
- Szerlip, Alexander and S., Brooklyn, N. Y. Switch. 2,461,707, Feb. 15.
- Szerlip, Stanley: *See*—Szerlip, Alexander and S.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,460,402, Feb. 1.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television receiving tube with storage properties. 2,462,569, Feb. 22.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Album. 2,465,616, Mar. 29.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated carrier wave detector. 2,470,731, May 17.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electromagnetic deflection generator. 2,478,606, Aug. 9.
- Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. High-voltage generator. 2,490,743, Dec. 6.
- Szmant, Herman H., Pittsburgh, Pa., assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of styrene and benzalpthalimides. 2,475,161, July 5.
- Sznyder, Bernard, New York, N. Y., assignor to Intercity Airline Company, Montreal, Quebec, Canada. Power transmission. 2,487,952, Nov. 15.
- Sznyder, Bernard, New York, N. Y., assignor to Intercity Airline Company, Montreal, Quebec, Canada. Swash plate mechanism. 2,487,953, Nov. 15.
- Szuba, Edward A., Lincoln Park, Mich. Gauge support. 2,469,904, May 10.
- Szubda, Emil, New Bedford, Mass. Pillow delivery slide stop bracket for typesetting machines. 2,477,499, July 26.
- Szulerecki, Martin I., Sauk Rapids, Minn. Blowtorch attachment for ladle tables. 2,485,120, Oct. 18.
- Szwarc, Michael M.: *See*—Farkas, Ladislav V., and Szwarc.
- Szwargulski, Alex N., assignor to Carter Carburator Corporation, St. Louis, Mo. Motor cooling means. 2,460,371, Feb. 1.
- Szymczyk, Edmund A., Indian Orchard, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerating apparatus. 2,486,507, Nov. 1.
- Szymczyk, Edmund A., Indian Orchard, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerating apparatus. 2,486,508, Nov. 1.
- Szyper, Charles: *See*—Mihalek, Emery, and Szyper.
- T-M-K Corporation, assignee: *See*—Benson, Merle K.
- T-Z Railway Equipment Co., assignee: *See*—Wilson, Otto E., and Sale.
- Tabb, Warner T., Plainfield, N. J., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. High-pressure fluid pump. 2,465,046, Mar. 22.
- Tabberer, George: *See*—Graham, Douglas H., Forsling, and Tabberer.
- Tabbert, Paul C., Bridgman, Mich. Rotary pump. 2,469,936, May 10.
- Taber, Alden P., Watertown, Mass. Sear locking device for automatic firearms. 2,491,534, Dec. 20.
- Taber, Clifford W., Pasadena, Calif. Welding electrode holder. 2,472,177, June 7.
- Taber, Ralph F., Buffalo, N. Y. Apparatus for measuring the stiffness of flexible material. 2,465,180, Mar. 22.
- Taber, Ralph F., Buffalo, N. Y. Folding plastic sheet material. 2,487,494, Nov. 8.
- Taber, Ralph F., Buffalo, N. Y. Plastic sheet folding machine. 2,487,495, Nov. 8.
- Taber, William T., Bloomfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Brush spring assembly. 2,465,943, Mar. 29.
- Tabet, Georges E.: *See*—Gresham, William F., and Tabet.
Webb, Irving D., and Tabet.
- Tabler, Herbert K., assignor to I. Tabler, Plymouth, Ill. Farm gate. 2,469,019, May 3.
- Tabler, Imogene, assignee: *See*—Tabler, Herbert K.
- Tabor, Joe E., assignee: *See*—Sherman, C. Lawrence.
- Tabor, Joseph M.: *See*—Kern, Charles J., and Tabor.
- Tabor, Joseph M., East Islip, N. Y., H. F. Seibert, Mason, Mich., and P. R. Frohning, Bainbridge, assignors to General Biochemicals Inc., Chagrin Falls, Ohio. Conditioning a hard soap for solvent extraction. 2,461,300, Feb. 8.
- Tabor, Joseph M., East Islip, N. Y., H. F. Seibert, Mason, Mich., and P. R. Frohning, Bainbridge, Md., assignors to General Biochemicals, Inc., Chagrin Falls, Ohio. Powdered soap product. 2,469,753, May 10.
- Tabor Manufacturing Company, The, assignee: *See*—Eastwood, Abraham B.
- Taborski, Alfred F., Buffalo, N. Y. Necktie. 2,461,854, Feb. 15.
- Taborski, Alfred F., Buffalo, N. Y. Novelty necktie. 2,466,131, Apr. 5.
- Taborski, Alfred F., Buffalo, N. Y. Incubator. 2,479,030, Aug. 16.
- Taborski, Alfred F., Buffalo, N. Y. Preformed necktie. 2,492,902, Dec. 27.
- Tacchella, Adolph, Altadena, Calif., assignor, by mesne assignments, to Nordberg Manufacturing Company, Milwaukee, Wis. Engine cylinder. 2,458,447, Jan. 4.
- Taccone, Anthony N., assignor to Taccone Pneumatic Foundry Equipment Corporation, North East, Pa. Core blowing machine. 2,490,559, Dec. 6.
- Taccone Pneumatic Foundry Equipment Corporation, assignee: *See*—Taccone, Anthony N.
- Tachar, John M., Dearborn, Mich. Artificial limb. 2,469,937, May 10.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,464,754, Mar. 15.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,465,823, Mar. 29.
- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor. 2,477,500, July 26.

- Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,375, Sept. 27.
- Tackaberry, Robert B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical system for variable power telescopes. 2,479,792, Aug. 23.
- Tacoma Powdered Metals Company, Inc., assignee: See—Pike, Robert D., and Schoder.
- Taft, Irving W., Weehawken Township, Hudson County, N. J., assignor to Kidde Manufacturing Co., Inc. Device for use in connection with defrosting refrigerators. 2,457,851, Jan. 4.
- Taggart, Joseph I., Cleveland, Ohio. Incubator. 2,479,030, Aug. 16.
- Tago, Catalino G., Brooklyn, N. Y. Jig for swivel links. 2,474,289, June 28.
- Tait, Alexander W., Jackson Heights, N. Y. Method of and apparatus for controlling paper-making machines. 2,479,031, Aug. 16.
- Takacs, Paul L.: See—Hull, Henry E., and Tackacs.
- Tal, Edward T., assignor to Tal's Prestal Bender, Inc., Milwaukee, Wis. Ejector for reciprocating bender with pivoted sidearms. 2,477,910, Aug. 2.
- Talalay, Joseph A., Hamden, Conn., assignor to W. Riedler and B. Mechur, co-partners, doing business as Invisible Fastener Company, New York, N. Y. Apparel pad and making the same. 2,478,340, Aug. 9.
- Talalay, Naum, Bedford, England. Manufacture of artificial aqueous dispersions of natural and synthetic rubbers, rubber substitutes, and rubberlike substances. 2,458,222, Jan. 4.
- Talamini, Elio J., Kearney, assignor to Joshua Hendy Iron Works, Ampere, N. J. Brush holder. 2,471,591, May 31.
- Talarico, Joseph, Spokane, Wash. Finger guard. 2,460,155, Jan. 25.
- Talbert, Austin G., Lyons, Ill. Coupling for tractor and semi-trailer units or the like. 2,489,112, Nov. 22.
- Talberth, Harry: See—Martin, Wade B., and Talberth.
- Talbot, Frank M., Evansville, Ind. Packing case. 2,488,692, Nov. 22.
- Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for straightening strip material. 2,491,782, Dec. 20.
- Talbot, Lloyd, assignor to R. H. Hoffman, Chicago, Ill. Welding clamp unit. 2,477,319, July 26.
- Talbot, William F., and R. Buchdahl, Englewood, N. J., assignors to Sun Chemical Corporation, New York, N. Y. Printing ink and using same. 2,477,776, Aug. 2.
- Talbott, Francis L., Washington, D. C., and R. O. Robinson, Jr., Houston, Tex., assignors to the United States of America as represented by the Secretary of the Navy. Voltage generator, hyperbolic wave form. 2,485,938, Oct. 25.
- Talboys, Henry H., and W. S. Isaacs, assignors to Nordberg Manufacturing Company, Milwaukee, Wis. Spike holding tool. 2,480,519, Aug. 30.
- Talge, Foster L.: See—Scott, Robert J.
- Talge, Henry J.: See—Scott, Robert J.
- Tallaferro, William R., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transfer control system. 2,468,135, Apr. 26.
- Tallaferro, William R., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker control system. 2,479,430, Aug. 16.
- Tallento, Anthony, Rochester, N. Y. Steamtight packless joint for steam pressing irons and other purposes. 2,465,495, Mar. 29.
- Tallaksen, Olaf, Chicago, Ill. Artificial fish bait. 2,462,437, Feb. 22.
- Tallaksen, Robert R., Winter, Wis., and W. J. Stover, Grand Rapids, Mich. Gauging device. 2,463,127, Mar. 1.
- Talley, David, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmitter system. 2,483,445, Oct. 4.
- Talley, Hyrum M., Alhambra, Calif. Welding apparatus. 2,474,075, June 21.
- Tallman, Oscar F., St. Louis, and K. R. Runde, Lemay, assignors to James R. Kearney Corporation, St. Louis, Mo. Earth anchor. 2,470,326, May 17.
- Tallman, Ralph C., Morristown, N. J., and A. H. Stuart, assignors to Schieffelin & Co., New York, N. Y. Estrogenic substances. 2,486,580, Nov. 1.
- Talobre, André, Oyonnax, France. Spectacles with interchangeable lenses. 2,473,619, June 21.
- Talon, Inc., assignee: See—Carlile, Alfred E.
- Carlile, Alfred, and Brown.
- Tal's Prestal Bender, Inc., assignee: See—Tal, Edward T.
- Tama, Manuel and M., Morrisville, Pa., and J. L. Hoff, Pennington, assignors to Ajax Engineering Corporation, Trenton, N. J. Producing metal alloys in a submerged resistor type induction furnace. 2,473,311, June 14.
- Tama, Mario: See—Tama, Manuel and M., and Hoff.
- Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation, Trenton, N. J. Manufacture of zinc aluminum alloys. 2,467,058, Apr. 12.
- Tama, Mario, Morrisville, Pa., and J. L. Hoff, Pennington, assignors to Ajax Engineering Corporation, Trenton, N. J. Drum type induction furnace. 2,474,443, June 28.
- Tamborello, Frank, Milwaukee, Wis. Dry shaver transmission. 2,489,833, Nov. 29.
- Tamburro, Francis P., Ozone Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Presser foot. 2,481,175, Sept. 6.
- Tamele, Miroslav: See—Ryland, Lloyd B., and Tamele.
- Tamele, Miroslav W., Oakland, V. C. Irvine, Richmond, and J. F. Mahar, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Removal of alkali from alumina. 2,478,675, Aug. 9.
- Tamoschat, William, assignor to D. D. Zell, New York, N. Y. Flanged container construction. 2,491,426, Dec. 13.
- Tamoschat, William, assignor to D. D. Zell, New York, N. Y. Flexible cigarette retainer. 2,491,427, Dec. 13.
- Tampax, Incorporated, assignee: See—McLaughlin, John R.
- Tanchel, Melvin, Dayton, Ohio. Deicing device for airfoils. 2,464,273, Mar. 15.
- Tancred, William L., assignor to Jones & Lamson Machine Company, Springfield, Vt. Contouring machine. 2,491,398, Dec. 13.
- Tandler, William S., and D. S. Walker, assignors, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y. Inside scanning facsimile machine. Re. 23,113, May 10.
- Tangen, Carl O.: See—Tangen, Glenn M. and C. O.
- Tangen, Glenn M. and C. O., Seattle, Wash. Amalgamator. 2,488,447, Nov. 15.
- Tanglefoot Company, The, assignee: See—Clark, Llewellynn J., and Goosmann.
- Tank Fertilizer, Inc., assignee: See—Aycock, Walter F.
- Tank, John K., Eureka, Calif. Automobile stabilizer. 2,490,719, Dec. 6.
- Tankovich, Nicholas, Columbus, Ohio. Concrete pipe forming machine. 2,482,949, Sept. 27.
- Tanner, Arthur W., Aldershot, England. Spoon, shovel, or the like implement with a pusher member. Re. 23,130, June 28.
- Tanner, Fritz, St. Gall, assignor to G. Bühler, Uzwil, Switzerland. Roll cleaning device for roller mills. 2,492,603, Dec. 27.
- Tannich, Richard E.: See—Browder, John C., Love, Schutze, and Tannich.
- Tan Sad Limited of Great Bridge, assignee: See—Shott, Percival.
- Tapner, Burton M., North Scituate, R. I., assignor to Welsh Manufacturing Company. Attachment for ophthalmic mountings. 2,492,072, Dec. 20.
- Tapp, Ernest T. J., and J. Davey, Fleet, assignors to Pest Control Limited, Harston, Cambridgeshire, England. Steering gear for variable track vehicles. 2,480,309, Aug. 30.
- Tapp, Harry F.: See—Rapisarda, Edward D., and Tapp.
- Tapp, Robert E., and W. C. Russ, assignors of one-half to North Carolina Navigation Co., Wilmington, N. C., and one-half to W. B. Mason, Washington, D. C. Paying out device for aircraft towing targets, picking up objects, etc. 2,486,999, Nov. 1.
- Tappan Stove Company, The, assignee: See—Bauer, William.
- Hoff, John G.
- Tappé, Frank G., Oslo, Norway. Speaking tube and viewer. 2,489,060, Nov. 22.
- Tarapczynski, Sigmund, Niagara Falls, N. Y. Knife sharpener. 2,460,552, Feb. 1.
- Tarbox, John P., Philadelphia, Pa. Key container. 2,479,524, Aug. 16.
- Tarbell, Dean S., Rochester, and N. Shakespeare, Port Washington, N. Y., and J. F. Bunnett, Portland, Oreg., assignors to the United States of America as represented by the Secretary of War. Basic side chain substituted quinoline derivative. 2,485,174, Oct. 18.
- Tardiff, Alma A., assignor to M. Robbins, as trustee, Detroit, Mich. Hair curl pin. 2,466,621, Apr. 5.
- Tarlow, Arthur S., Brockton, Mass. Spiked shoe sole. 2,479,793, Aug. 23.
- Tarney, Donald O., San Pedro, Calif. Motion translation mechanism. 2,478,341, Aug. 9.
- Tarnow, Nathan, assignor to Charles E. Lifka, doing business as Tomic Sales and Engineering Company, Detroit, Mich. Cable clamp. 2,469,938, May 10.
- Tarpley, Raymond E.: See—Williams, Albert J., Jr., and Tarpley, and Johnson.
- Tarpley, Raymond E., and A. J. Williams, Jr., assignors to Leeds and Northrup Company, Philadelphia, Pa. Shock-absorbing support. 2,474,921, July 5.
- Tarr, Charles S.: See—Perkins, Frank K., Tarr, Morey, and Merriam.
- Tarrant, Fred K., Saratoga Springs, N. Y. Dispensing and spreading device. 2,476,465, July 19.
- Tarry, George S., Leicester, England. Mechanism for producing intermittent rotary motion. 2,482,722, Sept. 20.

- Tarshis, Ralph, Brooklyn, assignor of one-third to L. I. Brown, and one-third to S. Lehman, New York, N. Y. Rotating wing machine. 2,485,333, Oct. 18.
- Tarsio, Peter: *See*—
Bitler, William P., and Tarsio, and Nicholl.
- Tartaglia, Louis G.: *See*—
Evans, Wayne S., and Tartaglia.
- Tash, Helen M.: *See*—
Tydings, Kenneth S., and Tash.
- Tasho, Ernest, Hatfield, England. Hair-waving appliance. 2,491,939, Dec. 20.
- Tasker, Homer G.: *See*—
Kelsey, Alwyn L., Hiebert, Tasker and Osborne.
- Tata, Domenic P.: *See*—
King, Etta B., and Tata.
- Tatar, Fred, Gloversville, N. Y. Glove. 2,463,441, Mar. 1.
- Tate, George F.: *See*—
Gavin, Edward M., Grey, Aspelin, and Tate.
- Tate, Herman D.: *See*—
Harris, Walter D., and Tate.
- Tate, Robert W., Chicago, Ill. Hook. 2,470,878, May 24.
- Tate, William G., assignee: *See*—
Popplewell, Ranville A.
- Tatel, Howard E., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugal safety delay switch. 2,458,483, Jan. 4.
- Tatge, Robert W., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket and preparing the same. 2,486,344, Oct. 25.
- Tathwell, Joseph H., Charlotte, N. C. Maintaining multiple records. 2,470,586, May 17.
- Tatlow, Percy, assignor to Rotax Limited, London, England. Epicyclic mechanism. 2,469,905, May 10.
- Tatman, John L.: *See*—
McVey, Elmer E., Tatman, and Wallis.
- Tatro, Amy: *See*—
Conner, Benjamin F., and Tatro.
- Tatum, William W., Trevone, near Padstow, England, assignor to Imperial Chemical Industries Limited. Making aminoanthraquinone sulfonic acids. 2,475,530, July 6.
- Taub, Abraham, New York, N. Y., assignor to Vodol Company, Chicago, Ill. Coated gauze. 2,464,755, Mar. 15.
- Tauch, Ernest J., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymerizing maleic anhydride and styrene. 2,490,489, Dec. 6.
- Taunton Pearl Works, assignee: *See*—
Rowan, Albert J.
- Tauser, Charles H., Venita Park, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Self-contained die set with automatic stamping and/or punching removing means. 2,459,053, Jan. 11.
- Tavantzis, Soter, Detroit, Mich. Shoe repair finishing machine. 2,475,925, July 12.
- Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Polymerizable chemicals. 2,461,301, Feb. 8.
- Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Plasticized polyvinyl chloride compositions. 2,475,062, July 5.
- Taylor, Albert H., Prince Georges County, Md. Electrical delay device. 2,490,847, Dec. 13.
- Taylor, Allan J.: *See*—
Beem, Marvel D., and Taylor.
- Taylor, Ambrose G., Birmingham, England, assignor to The Dow Corning Corporation, Midland, Mich. Preparation of organosilicon compounds. 2,474,444, June 28.
- Taylor, Arthur W. C.: *See*—
Bremner, John G. M., Reynolds, and Taylor.
- Taylor, Augustus H., East Cleveland, Ohio, assignor to General Electric Company. Meter for measurement of ultraviolet radiation. 2,485,418, Oct. 18.
- Taylor-Ball Developments Limited, assignee: *See*—
Ball, Edgar D.
- Taylor, Benjamin F., Livingston County, Mich. Adjustable stilt. 2,486,077, Oct. 25.
- Taylor, Cecil H., Kansas City, Mo. Pocket comb. 2,479,142, Aug. 16.
- Taylor, Charles C.: *See*—
Taylor, Frank Y., and C. C.
- Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush roll for suction cleaners. 2,459,007, Jan. 11.
- Taylor, Charles S., assignor to Aircraft Fueling Company, Inc., Los Angeles, Calif. Inlet screen for decontaminators. 2,468,382, Apr. 26.
- Taylor, Clarence C.: *See*—
Leo, Herbert T., and Taylor.
Leo, Herbert T., Taylor and Lindsey.
- Taylor, Claude C., assignee: *See*—
Grable, Donovan B.
- Taylor, Daniel G.: *See*—
Borell, George L., and Taylor.
- Taylor, Daniel G., assignor to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Fluid control device. 2,461,615, Feb. 15.
- Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Airflow control apparatus for cabin pressurizing and engine supercharging. 2,471,202, May 24.
- Taylor, David, Princeton, W. Va., and E. R. Ward, Narrows, Va., assignors to Celanese Corporation of America. Testing device for filamentary material. 2,472,927, June 14.
- Taylor, Douglas J.: *See*—
Thayer, Russell M., and Taylor.
- Taylor, Earl A.: *See*—
Klotsch, Paul, and Taylor.
- Taylor, Edgar R., Santa Monica, Calif. Folding stroller. 2,478,512, Aug. 9.
- Taylor, Edward C.: *See*—
Hoppmann II, William H., and Taylor.
- Taylor, Edward H., Winnetka, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Pipe fitting. 2,465,556, Mar. 29.
- Taylor, Eldridge B., Cleveland, Ohio. Rotatable game drum apparatus. 2,468,000, Apr. 19.
- Taylor, Floyd E., Bloomfield Hills, and A. H. Lewis, Huntington Woods, Mich., assignors to Swift Electric Welder Company. Manufacturing automobile wheels. 2,468,001, Apr. 19.
- Taylor Forge & Pipe Works, assignee: *See*—
Taylor, Edward H.
- Taylor, Frank H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Circuit arrangement for cathode-ray tubes. 2,465,406, Mar. 29.
- Taylor, Frank W., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Anti-oscillation mount. 2,491,229, Dec. 13.
- Taylor, Frank Y., Deadwood, and C. C. Taylor, Huron, S. Dak. Safety switch arrangement for vehicles. 2,481,176, Sept. 6.
- Taylor, Fred L., assignor to The Dow Chemical Company, Midland, Mich. Production of 3-bromopyridine and its hydrochloride. 2,480,091, Aug. 23.
- Taylor, George E., and J. F. Adams, assignors to Monsanto Chemical Company, St. Louis, Mo. Distillation process for the recovery of phenols. 2,486,342, Oct. 25.
- Taylor, George E., St. Louis, Mo., J. S. Metcalf and L. L. Branscomb, Anniston, Ala., assignors to Monsanto Chemical Company. Separating the constituents of tall oil and similar mixtures. 2,487,000, Nov. 1.
- Taylor, Guy B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fractionation of linear polyamides and products obtained thereby. 2,473,920, June 21.
- Taylor, Harry N., Chicago, Ill., and E. A. Droegemueller, West Hartford, Conn., assignors to Standard Oil Company, Chicago, Ill. Internal-combustion engine operation. 2,477,098, July 26.
- Taylor, Henry G., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., trustee. Apparatus for measuring electrical resistance. 2,458,805, Jan. 11.
- Taylor, Hugh F. C.: *See*—
Cavers, Thomas W., Franklin, Mott, and Taylor.
- Taylor, Ina C., executrix: *See*—
Taylor, Sam Y.
- Taylor Instrument Companies, assignee: *See*—
Hanna, Edward J.
Hartman, Elmer C.
Hutchinson, Franklin B., Miller, and Thompson.
Miller, Carlton W., and Nichols.
Newell, Floyd B.
Newell, Floyd B., and Matner.
Olson, Raymond E.
Weis, William C.
Wilder, Cecil L., and Klumb.
Ziegler, John G.
Zuehlke, Arthur A.
- Taylor, Irving R., and L. Larssen, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Compensating system. 2,485,675, Oct. 25.
- Taylor, James: *See*—
Wright, Harold R., and Taylor.
- Taylor, James D., Seattle, Wash., assignor to Drago Snare Trap Co. Snare-type trap. 2,478,025, Aug. 2.
- Taylor, James, Saltcoats, and O. A. Gurton, Kilwinning, Scotland, assignors to Imperial Chemical Industries Limited. Explosive suitable for safety blasting explosives. 2,481,795, Sept. 13.
- Taylor, John E.: *See*—
Matwin, John J., and Taylor.
- Taylor, John L., La Habra Heights, Calif., assignor to Keller Tool Company, Grand Haven, Mich. Dashpot for portable tools. 2,488,992, Nov. 22.
- Taylor, John R., West Los Angeles, Calif. Folding rack for spools. 2,489,988, Nov. 29.
- Taylor, John R., Westmount, Quebec, assignor to R. K. Wurtele, Goderich, Ontario, Canada. Ammonia recovery in soda ash production. 2,471,013, May 24.
- Taylor, Joseph E., Philadelphia, Pa. Electric locking device. 2,473,664, June 21.
- Taylor, Lawrence H., United States Navy. Method and apparatus for determining depth and current direction. 2,464,834, Mar. 22.
- Taylor, Louis W., Oakland, Calif. Gear puller. 2,484,129, Oct. 11.
- Taylor, Louis W., Oakland, Calif. Crosshead for presses. 2,485,022, Oct. 18.
- Taylor, Luther C.: *See*—
Whisnant, John K., and Taylor.

Taylor Machine Works, assignee: See—

Taylor, William A.
 Taylor, Maurice H.: *See—*
 Healy, John J., Jr., Taylor, and Abbiati.
 Taylor, Maurice K., Belmont, Scotland, and A. D. Knowles, Chadderton, assignors to Ferranti Limited, Hollinwood, England. Measurement or variation of physical states of materials. 2,460,199, Jan. 25.
 Taylor, Max W., Maplewood, Mo. Underwater breathing mask. 2,477,706, Aug. 2.
 Taylor, Moulton B., U. S. Navy. Clutch device. 2,460,313, Feb. 1.
 Taylor, Nelson W., White Bear Lake, and R. C. Murray, Bald Eagle Lake, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Carbon powder method of making glass beads. 2,461,011, Feb. 8.
 Taylor, Newell E.: *See—*
 Meade, Reginald E., Taylor, and Crews.
 Taylor, Owen L.: *See—*
 Armstrong, George C., and Taylor.
 Taylor, Owen L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit control apparatus. 2,486,343, Oct. 25.
 Taylor, Philip L., Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc extinguishing device. 2,467,542, Apr. 19.
 Taylor, Ralph, New York, N. Y. Dentifrice. 2,470,906, May 24.
 Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Toll metering by discriminating selector repeaters. 2,457,946, Jan. 4.
 Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Workman's time recording system. 2,478,024, Aug. 2.
 Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Combination toll and local connector switch used in telephone systems. 2,479,276, Aug. 16.
 Taylor, Reuben H.: *See—*
 Cousins, Sydney and Taylor.
 Taylor, Robert A.: *See—*
 Morey, William L., and Taylor.
 Taylor, Robert B.: *See—*
 Bennett, Willard H., and Taylor.
 Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Making lightweight filamentous structures. 2,461,094, Feb. 8.
 Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for spinning artificial filamentous products. 2,467,541, Apr. 19.
 Taylor, Robert S.: *See—*
 Fletcher, David A., and Taylor.
 Taylor, Robert S., Evansville, and B. A. Daley, Scott Township, Vanderburgh County, Ind., assignors to Servel, Inc., New York, N. Y. Ammonia refrigerating apparatus. 2,487,001, Nov. 1.
 Taylor, Roswell M., Noank, Conn. Hosiery supporter. 2,472,350, June 7.
 Taylor, Russell C., assignor to American Steel Foundries, Chicago, Ill. Stabilized car truck. 2,465,763, Mar. 29.
 Taylor, Russell H., Sydney, New South Wales, Australia, assignor to J. E. Berman, Suffolk, Va., and R. C. Robinson, Seattle, Wash. Calking composition. 2,467,362, Apr. 12.
 Taylor, Sam Y., deceased, by I. C. Taylor, executrix, Houston, assignor of thirty per cent to F. J. Herbelin, Galveston, and thirty per cent to W. F. Neale, Dallas, Tex. Bale press. 2,465,496, Mar. 29.
 Taylor, Samuel M., Bluefield, W. Va. Record controlled printing machine. 2,489,439, Nov. 29.
 Taylor, Scott V. E., Cleveland, Ohio. Gear pump. 2,492,073, Dec. 20.
 Taylor, Smith & Taylor Company, The, assignee: *See—*
 Bower, James A.
 Taylor, Taylor & Hobson Limited, assignee: *See—*
 Cooke, Ernest A.
 Cox, Arthur.
 Reason, Richard E.
 Reason, Richard E. and Berridge.
 Taylor, Thaddeus A., Lufkin, Tex. Oxygen administering equipment. 2,470,587, May 17.
 Taylor, Thomas L.: *See—*
 Bell, Chauncey F., and Taylor.
 Taylor, Thomas L., Ruxton, and C. F. Bell, Jr., and R. K. Wentz, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Buoyant barrier. 2,465,944, Mar. 29.
 Taylor, Tristram A., Enderby, Leicester, assignor to Power Jets (Research and Development) Limited, London, England. Bending machine. 2,467,344, Apr. 12.
 Taylor, Walter W.: *See—*
 Malsbary, Job F., and Taylor.
 Taylor, Warren G., Chicago, Ill. Mercury vapor switch. 2,492,669, Dec. 27.
 Taylor, Warren G., Essex Fells, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge tube. 2,462,921, Mar. 1.
 Taylor, Warren G., Essex Fells, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Focusing electrode. 2,468,136, Apr. 26.

Taylor, William A., Louisville, Miss. One-way clutch of the pin and socket type. 2,471,795, May 31.
 Taylor, William A., assignor to Taylor Machine Works, Louisville, Miss. Mobile work unit. 2,490,661, Dec. 6.
 Taylor, William H.: *See—*
 Jorgensen, Clarence H., Taylor, and Hardman.
 Taylor, William H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Automatic choke for carburetors. 2,481,259, Sept. 6.
 Taylor, William H., Lake Bluff, assignor to Sears, Roebuck and Co., Chicago, Ill. Fiberboard container for disk-shaped articles. 2,471,173, May 24.
 Taylor, William H., Lake Bluff, Ill. Conduit connector. 2,475,574, July 5.
 Taylor-Winfield Corporation, The, assignee: *See—*
 Cooper, Joseph H., and Smith.
 Lee, Harry S.
 Mallett, Edwin A., and Pearson.
 Ringer, Robert L., Jr., and Smith.
 Seeloff, Melvin M., and Conklin.
 Smith, Clyde E.
 Taylor Wordsworth & Company Limited, assignee: *See—*
 Denham, Frank.
 Tawney, Gerold L., Hempstead, N. Y., assignor to The Sperry Corporation. Energy directing apparatus. 2,469,419, May 10.
 Tchelitcheff, Serge, Vitry-sur-Seine, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Production of 1-alkyl-3-hydroxy-piperidines. 2,489,546, Nov. 29.
 Teague, Frank A., Albany, Ga. Process and apparatus for separating meat from shell fragments of cracked nuts. 2,464,005, Mar. 8.
 Teague, Hubert M., Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Terminal construction. 2,491,879, Dec. 20.
 Teague, John, Frackville, Pa. Combination bumper and axle jack for vehicles. 2,463,654, Mar. 8.
 Teague, Maurice E., Cheney, Wash. Automatic dump body. 2,460,403, Feb. 1.
 Teague, Merwyn C., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Seat. 2,488,993, Nov. 22.
 Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Valve. 2,473,620, June 21.
 Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Valve. 2,488,647, Nov. 22.
 Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Suction throttling valve. 2,488,648, Nov. 22.
 Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Suction throttling valve. 2,488,649, Nov. 22.
 Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Control servo unit-hydraulic actuator. 2,490,174, Dec. 6.
 Teague, Walter D., Jr., Alpine, N. J., and R. H. Ensign, New York, N. Y., assignors to U. S. Slicing Machine Company, La Porte, Ind. Control apparatus for carriage drives for reciprocating carriage slicing machines. 2,459,200, Jan. 18.
 Teal, Percy P., Norristown, Pa. Actuator mechanism. 2,468,002, Apr. 19.
 Teamer, Mildred B., Philadelphia County, Pa., assignor to Seamprufe Incorporated, New York, N. Y. Garment. 2,486,581, Nov. 1.
 Teasdale, William O., San Diego, Calif. Slide rule indicator. 2,463,067, Mar. 1.
 Tear, James D.: *See—*
 Newell, William H., Tear, and Brown.
 Tear, James D., Great Neck, N. Y., assignor to The Sperry Corporation. Gyro-stabilizer apparatus. 2,468,137, Apr. 26.
 Teare, William H., Ballston Lake, N. Y., assignor to General Electric Company. Electric discharge device. 2,468,576, Apr. 26.
 Tebb, Bernard, Hull, assignor to Mastabar Belt Fastener Company Limited, Cleckheaton, England. Tool for inserting fasteners in machine belting. 2,473,223, June 14.
 Tebb, Bernard, Hull, assignor to Mastabar Belt Fastener Company, Limited, Cleckheaton, England. Holder for belt fasteners. 2,481,889, Sept. 13.
 Tebbe, Robert: *See—*
 McBee, Earl T., Bolt, and Tebbe.
 Tebbetts, Eugene L., Holliston, assignor of one-half to H. E. Cole, Boston, Mass. Cranberry picking machine. 2,459,471, Jan. 18.
 Tebo, Gordon B., Toronto, Ontario, Canada. Strap-on heater. 2,485,852, Oct. 25.
 Tecalemit Limited, assignee: *See—*
 Le Clair, Camille C. S.
 Technical Apparatus Company, assignee: *See—*
 Hanopol, Louis.
 Technical Coatings, Inc., assignee: *See—*
 Snow, Floyd E.
 Technical Products Co., assignee: *See—*
 Jensky, Clarence F.
 Jensky, Clarence F., and Williams.
 Technical Service Inc., assignee: *See—*
 Bradford, Arthur J.

Technical Specialties Company, assignee: *See—*

Decker, William E.

Technicolor Motion Picture Corporation, assignee: *See—*

Andreas, John M.

Eaton, Roland D.

Taylor, Frank W.

TeDESCO, Lawrence, Frank, Pa. Loading device. 2,478,513, Aug. 9.

Tedford, Adington C., Huntington, W. Va. Rectal dilator. 2,485,939, Oct. 25.

Tedford, Harvey L.: *See—*

Sawyer, Marshall W., and Tedford.

Tedstrom, A. W., administrator: *See—*

King, Frank A.

Teegarden, Otto V., Goshen, Ind. Tire stand accessory. 2,481,041, Sept. 6.

Teemsmma, William L., Rutherford, N. J. Adjustable and interchangeable lawn mower tire. 2,479,985, Aug. 23.

Teeter, Howard M.: *See—*

Cowan, John C., and Teeter.

Teeter, Howard M., C. R. Scholfield, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Diene addition product and making it. 2,483,791, Oct. 4.

Teeters, Wilber O., Bergenfield, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of pyridine carboxylic acids. 2,476,004, July 12.

Teeters, Wilber O., River Edge, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Phosphonic acid esters. 2,460,043, Jan. 25.

Teetor, Donald H., assignor to Perfect Circle Corporation, Hagerstown, Ind. Gauging bearing clearance. 2,486,446, Nov. 1.

Teetsell, Roy J., Long Branch, N. J. Radio circuit testing system. 2,475,649, July 12.

Teff, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,464,104, Mar. 8.

Te Grotenhuis, Theodore A., Olmsted Falls, assignor to The General Tire & Rubber Company, Akron, Ohio. Resilient connection. 2,468,311, Apr. 26.

Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,478,436, Aug. 9.

Teigland, George J., Wilmington, Del. Scraper. 2,484,476, Oct. 11.

Teitel, Sidney: *See—*

Goldberg, Moses W., and Teitel.

Telechron, Inc., assignee: *See—*

Boyles, Robert L.

Marble, Chester B.

Teledetector, Inc., assignee: *See—*

McKee, Chester W. and R. W.

Teleflex Limited, assignee: *See—*

Brouse, William H. D.

Telefonaktiebolaget L. M. Ericsson, assignee: *See—*

Alfvén, Hannes O. G.

Andersson, Albert E.

Andersson, Sven G.

Andersson, Sven G., and Johansson.

Aurell, Carl-George P.

Ericsson, Eric A., and Jacobaeus.

Holmquist, Seth A.

Jacobi, Ernst J.

Johansson, Ernst E. A.

Kraepelien, Hans Y.

Peterson, Nils V.

Szabó, Henrik.

Vos, Mauritz.

Wahlström, Gustaf A.

Wiberg, Erik A., and Paulander.

Telegraph Construction and Maintenance Company Limited, The, assignee: *See—*

Dean, John N., and Smith.

Smith, Esmond W., and Presswell.

Télé-Industrie, Société Anonyme, assignee: *See—*

Deguignes, Maurice.

Telephone Manufacturing Company Limited, assignee: *See—*

Pyatt, Edward C., and King.

Teleregister Corporation, The, assignee: *See—*

Bush, George L.

May, Harold F.

Schmidt, Edwin L.

Telesco, Inc., assignee: *See—*

Plummer, Clifford A.

Teletype Corporation, assignee: *See—*

Goetz, Maurus T.

Halvorsen, Ralph H.

Keyes, George G.

Kogler, Harold F., and Wack.

Potts, Louis M.

Potts, Louis M., and M. W. C.

Reiber, Albert H., and E. Y.

Russnak, Clarence J.

Schuler, Reginald G.

Swan, Carl W.

Sylvester, Kimmel A.

Zenner, Walter J.

Tell-A-Turn Corporation, assignee: *See—*

Bucky, Peter A., and Sarason.

Tellier, Joseph C.: *See—*

Bradley, William E., and Tellier.

Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Electronic cycle counting circuit. 2,490,243, Dec. 6.

Tellier, Joseph C., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical timing circuits. 2,491,428, Dec. 13.

Telomatic Products, Inc., assignee: *See—*

Lackoff, Samuel K.

Temko, Richard S.: *See—*

Simon, Justin, and Temko.

Temple, Harold F., Freeport, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Tube extruding die and method. 2,483,376, Sept. 27.

Temple, Hiram E., Los Angeles, Calif. Train fusee discharger. 2,462,922, Mar. 1.

Temple, Hiram E., Los Angeles, Calif. Combined lead pencil and eraser. 2,478,437, Aug. 9.

Temple, John C., Sr., Sarasota, Fla. Molding machine. 2,478,676, Aug. 9.

Temple, John R., Sebastopol, Calif. Lure winding device. 2,489,547, Nov. 29.

Temple, Nathan E., Jr., Coatesville, Pa. Nonslip tripod. 2,463,655, Mar. 8.

Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Hydraulic mechanism. 2,483,856, Oct. 4.

Temple, Robert, Chevy Chase, Md. Garment supporting means. 2,476,122, July 12.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Safety mechanism for explosively actuated tools. 2,479,431, Aug. 16.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated blind riveting apparatus. 2,483,112, Sept. 27.

Temple, Sidney J., Forest Hills, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,472,178, June 7.

Temple, Stanley A., assignor, by mesne assignments, to Portable Industries, Inc., Cleveland, Ohio. Gun and projectile therefor. 2,470,117, May 17.

Temple, Sterling, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl chloride-containing polymers having a high stability against thermal decomposition. 2,482,038, Sept. 13.

Temple, William B., United States Navy, Squantum, Mass. Card holder. 2,487,835, Nov. 15.

Temple Velocity Equipment, Inc., assignee: *See—*

Temple, Robert.

Templeton, Fred H., Portland, Oreg., assignor to Templeton Harvester, Inc., Oakland, Calif. Combine harvester. 2,474,557, June 28.

Templeton Harvester, Inc., assignee: *See—*

Templeton, Fred H.

Templeton, William E., Mansfield, Ohio. Tractor shovel attachment. 2,469,615, May 10.

Tenaplas Limited, assignee: *See—*

Lemon, Cecil G.

Ten Broeck, Walter T. L., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Vinyl chloride-alkyl ester of unsaturated dicarboxylic acid copolymer sponge composition. 2,461,942, Feb. 15.

Ten Broeck, Walter T. L., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Porous compositions. 2,478,879, Aug. 9.

Ten Brook, John A.: *See—*

Flower, Archibald T., and Ten Brook.

Ten Cate, Lois E., Holland, Mich. Diaper drier. 2,483,792, Oct. 4.

Tendick, Frank H.: *See—*

Burckhalter, Joseph H., Jones, Rawlins, Tendick, and Holcomb.

Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.

Tenenbaum, David: *See—*

Reed, Raymond E., Tenenbaum, and Beste.

Tener, Wallis M., Lancaster, Pa. Clock hand removing tool. 2,470,327, May 17.

Ten Eyck, John C.: *See—*

Henderson, Robert M., and Ten Eyck.

Tennant, Frank M.: *See—*

Schweger, Clare C., and Tennant.

Tennessee Coal, Iron and Railroad Company, assignee: *See—*

Comer, Robert T., Jr.

Hard, Herbert G.

McWilliams, John W.

Tennessee Copper Company, assignee: *See—*

Nikitin, Alexander A.

Tennessee Eastman Corporation, assignee: *See—*

Hasche, Rudolph L.

Tennessee Valley Authority, assignee: *See—*

Elmore, Kelly L.

Lambert, Robert D., and Smith.

Striplin, Marcus M., Jr.

Striplin, Marcus M., Jr., and Kelly.

Tusson, John R.

Teolis, Angelo C., Johnston, R. I. Safety clasp for necklaces. 2,477,354, July 26.

Teot, Arthur S.: *See—*

Griess, Gerald A., and Teot.

- Teplitz, Alfred: *See*—
Beaumont, William W., and Teplitz.
- Teplov, M. W., assignee: *See*—
Mourfield, Carl L.
- Ter Berg, Jozef, and G. J. van Wijnen, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Preparing a plasticized granular slag-forming mass for electric welding. 2,481,479, Sept. 6.
- Terce, Paul J. J., Paris, France. Device for obtaining a stereoscopic image in cinematographic projections. 2,467,059, Apr. 12.
- Terchick, Anthony W., assignee: *See*—
Terchick, Kathryn A.
- Terchick, Kathryn A., assignor of one-half to A. W. Terchick, Venetia, Pa. Baby garment. 2,471,048, May 24.
- Terhaar, Arnold L., Jacksonville, Fla. Gun sight. 2,479,277, Aug. 16.
- Terhaar, Ferdinand H., Los Angeles, Calif. Respirator apparatus. 2,480,980, Sept. 6.
- Terhune, Edgar A.: *See*—
Hood, Arthur, Sobel, and Terhune.
- Terp, Jr., George W.: *See*—
Foster, Gordon S., and Terp.
- Terpening, Arnold L., Highland, assignor to The De Laval Separator Company, New York, N. Y. Portable milker. 2,482,602, Sept. 20.
- Terr, Joseph, assignor to Holdenline Company, Cleveland, Ohio. Fluorescent lighting fixture. 2,461,786, Feb. 15.
- Terrell, Joe A., Fort Worth, Tex. Tethered projectile toy. 2,485,788, Oct. 25.
- Terrill, Robert L.: *See*—
Agster, Melvin, and Terrill.
- Terrill, Vance O.: *See*—
Cramer, Roy A., Jr., Maultsby, and Terrill.
- Terry, Albert V., Redditch, England. Cycle saddle spring mounting. 2,487,904, Nov. 15.
- Terry, Bennett F., Stamford, Conn. Forming printing plates. 2,462,570, Feb. 22.
- Terry, Charles R., Tulsa, Okla. Burn-in tool. 2,470,194, May 17.
- Terry, David E., and D. H. Wheeler, Minneapolis, Minn., assignors to General Mills, Inc. Preparing epoxy derivatives from unsaturated aliphatic compounds. 2,458,484, Jan. 4.
- Terry, Irl W., Manteca, Calif. Universal push beam for implements. 2,485,334, Oct. 18.
- Terry, Joel L., Anderson, S. C., assignor to Buchanan Electrical Products Corporation. Armature wedge driver and remover. 2,485,992, Oct. 25.
- Terry, Richard A., Philadelphia, Pa. Automatic temperature controller, millivoltmeter type. 2,468,138, Apr. 26.
- Terry, Thomas A., assignor to C. & M. Envelope Company, New York, N. Y. Multisection envelope and blank for forming the same. 2,469,853, May 10.
- Terry, Victor J., and R. Kelly, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Phase failure indicating device for polyphase systems. 2,474,290, June 28.
- Terry, Walter J., assignee: *See*—
Torka, Frank.
- Terwilliger, Frederick G., Cleveland Heights, Ohio. Coating material. 2,483,113, Sept. 27.
- Terzini, Giulio L., Camden, N. J. Food grater. 2,483,161, Sept. 27.
- Tesler, Seymour: *See*—
Rein, Samuel.
- Tess, Roy W., Berkeley, G. W. Hearne, El Cerrito, and H. L. Yale, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated acid halides. 2,490,386, Dec. 6.
- Tessendorf, Draper E., and C. J. Hahn, Buffalo, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Flexible coupling. 2,479,278, Aug. 16.
- Tessier, Raymond P. V., and R. L. J. Labourasse, Paris, France. Concrete filled building structure. 2,488,994, Nov. 22.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,463,442, Mar. 1.
- Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade-dispensing container. 2,472,051, May 31.
- Teston, Rebecca O., Glenbrook, assignor to Eastern Rubber Specialties, South Norwalk, Conn. Manufacture of rubber articles. 2,482,075, Sept. 13.
- Testrite Instrument Co., Inc., assignee: *See*—
Neuwirth, Herman.
- Teter, John W., Chicago, Ill., and R. H. Stookey, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y. Recovery of ammonia. 2,461,010, Feb. 8.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of nitriles. 2,468,522, Apr. 26.
- Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of nitriles and amines from ammonia and olefins. 2,479,879, Aug. 23.
- Têtreault, Hector, Montreal, Quebec, Canada. Two-cycle engine and compressor. 2,466,132, Apr. 5.
- Tewin Industries, Inc., assignee: *See*—
Higgins, Eric B.
- Tewksbury, Lyndon B., Jr.: *See*—
Howland, Louis H., and Tewksbury.
- Tewksbury, Lyndon B., Jr., Potsdam, assignor to United States Rubber Company, New York, N. Y. Vulcanization accelerators. 2,476,688, July 19.
- Tewksbury, Lyndon B., Jr., Potsdam, N. Y., and L. H. Howland, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y. Reclaiming vulcanized rubber scrap. 2,469,529, May 10.
- Texaco Development Corporation, assignee: *See*—
Garrison, Allen D.
Gibbs, Clifford J., and Stein.
Goldsby, Arthur R.
Rees, Harry V., and Ludeman.
Ruble, Raymond J.
Sellers, Frederick B.
Stratford, William M.
Uren, Lester C.
Wolf, Alexander.
- Texas Company, The, assignee: *See*—
Atwell, Harold V.
Barber, Everett M.
Beck, Roland A., and Sensel.
Beck, Roland A., Sensel, and Millendorf.
Clarke, Louis A.
Crumrine, Kenneth C.
Eastman, du Bois.
Fairbairn, George C.
Fenney, William N.
Gaucher, Leon P.
Glassmire, William F., Smith, Haskell, and Danskin.
Grahame, James H.
Kluge, Herman D., and Knowles.
Hare, Donald G. C.
Herzog, Gerhard.
Herzog, Gerhard, and Lord.
Kemp, Lebbeus C., Jr.
Mackenzie, Kenneth D.
Malin, Jay B.
Menley, Robert E.
Miller, Gordon H.
Moore, Frank J., and Pevere.
Morris, John R., and Fields.
Muller, John A.
Pevere, Ernest F.
Skelton, William E.
Stone, Charles M.
Stratford, William M.
Thermoid Company, assignee: *See*—
Toettcher, Fred C., and Coley.
Towne, Charles C.
Watson, Claude W.
Watson, Clifford W., Burton, and Scoville.
Wolf, Alexander.
- Texas Foundries, Inc., assignee: *See*—
Lytle, Harold T.
- Texlube Corporation, assignee: *See*—
Pope, Daniel K.
- Textile Appliance Corporation, assignee: *See*—
Hill, Earl G.
- Textile Machine Works, assignee: *See*—
Kaul, Emil W., and Haehnel.
- Textile Researches Limited, assignee: *See*—
Seller, Fritz.
- Thacher, Alfred B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gear pump. 2,471,915, May 31.
- Thacker, Carlisle M.: *See*—
Bell, Richmond T., and Thacker.
- Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Alkylation of hydrocarbons. 2,468,899, May 3.
- Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,469,420, May 10.
- Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Preparation of carbon disulfide. 2,492,719, Dec. 27.
- Thacker, Carlisle M., Petersburg, Va., assignor to The Pure Oil Company, Chicago, Ill. Activated aluminaberyllium oxide catalyst. 2,480,520, Aug. 30.
- Thacker, Carlisle M., Highland Park, and H. O. Folkins, Skokie, assignors to The Pure Oil Company, Chicago, Ill. Thermal conversion of hydrocarbons. 2,460,200, Jan. 25.
- Thacker, Ralph S., assignor to J. H. Cannon, Los Angeles, Calif. Coupler and terminal block. 2,463,826, Mar. 8.
- Thalmann, Alfred, assignor to Rigid Limited, Rorschacherberg, Switzerland. Chuck. 2,475,861, July 12.
- Thalner, Robert R., Princeton, N. J., assignor to Radio Corporation of America. Controlling the beam current in television camera tubes. 2,465,667, Mar. 29.
- Thalner, Robert R., Princeton, N. J., assignor to Radio Corporation of America. Regulated high-voltage apparatus. 2,475,063, July 5.
- Thatcher, Edward E.: *See*—
Hess, Joseph J., and Thatcher.
- Thatcher, Harry W., Hopedale, and E. C. Nichols, Upton, assignors to Draper Corporation, Hopedale, Mass. Battery mechanism for looms. 2,479,545, Aug. 16.
- Thatcher, Harry W., and C. D. Brown, assignors to Draper Corporation, Hopedale, Mass. Warp stop motion. 2,479,546, Aug. 16.
- Thatcher, John S., Blackpool, England. Animated device for ornamental and advertising purposes. 2,488,483, Nov. 15.

- Thatcher, Linden A.: *See*—
Bernart, William F., Jr., Rouan, Ford, and Thatcher.
Thatcher, Russell N., New York, N. Y. Three-color mechanical pencil. 2,479,649, Aug. 23.
- Thatcher, Russell S.: *See*—
Wenk, Edward, Jr., and Thatcher.
Thatcher, Thomas J., Huntington Station, N. Y. Variable capacity vane pump. 2,475,921, June 21.
- Thayer Company, assignee: *See*—
Reese, John, and Troendle.
Troendle, William C.
- Thayer, Mary E., assignor to Dow Corning Corporation, Midland, Mich. Rendering materials water-repellent. 2,474,704, June 28.
- Thayer, Russell M., Buffalo, N. Y., assignor to The Linde Air Products Company. Rotary pump for liquefied gases. 2,468,246, Apr. 26.
- Thayer, Russell M., and D. J. Taylor, Buffalo, N. Y., assignors to The Linde Air Products Company. Control system for gas supply apparatus. 2,464,835, Mar. 22.
- Theillaumas, Clément M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Pulse receiving and repeating system. 2,462,144, Feb. 22.
- Thein, William, Bremerton, Wash. Fire and burglar proof safe. 2,461,708, Feb. 15.
- Theis, Adolph: *See*—
Burt, Harold F., and Theis.
- Theis, Elmer E., Memphis, Tenn. Pump. 2,491,230, Dec. 13.
- Theisen, John P.: *See*—
Farr, Edward A., and Theisen.
- Theisen, Ralph W., Lincolnwood, Ill. Plate holder. 2,488,147, Nov. 15.
- Thelander, W. Vincent, Auburn, Ind., assignor to Dava Corporation, Toledo, Ohio. Clutch plate. 2,477,016, July 26.
- Thelander, W. Vincent, Auburn, Ind., assignor to Dava Corporation, Toledo, Ohio. Friction clutch plate. 2,477,017, July 26.
- Theler, Frederick J., and L. E. Mehlhope, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,478,607, Aug. 9.
- Therapeutic Research Corporation of Great Britain Limited, assignee: *See*—
Petrov, Vladimir A.
Smith, Ernest L., and Bide.
- Thermactor Company, assignee: *See*—
Sprong, Severn D.
- Thermactor Corporation, assignee: *See*—
Ackley, Charles S.
- Thermador Electrical Manufacturing Company, assignee: *See*—
Cranston, William E., Jr.
- Thermal Liquids, Inc., assignee: *See*—
Oaks, Orion O.
- Thermo Electric Company, assignee: *See*—
Stansbury, Hale E.
- Thermo Electric Fuse Corp., assignee: *See*—
Carle, René
- Thermo Electric Manufacturing Company, assignee: *See*—
Edklund, Oscar F.
- Thermoid Company, assignee: *See*—
Allen, Dwight P., and Wise.
- Theroux, Louis N., Dayton, Ohio. Automatic volume control preamplifier. 2,468,139, Apr. 26.
- Theuerer, Henry C.: *See*—
Scaff, Jack H., and Theuerer.
- Theuerer, Henry C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of silicon material. 2,475,810, July 12.
- Theunissen, François J. M., Brussels, assignor to Societe Anonyme Teco, Bois-de-Breux (Liege), Belgium. Electromagnet. 2,472,553, June 7.
- Thévenaz, Louis, Les Rasses, near Sainte-Croix, assignor to Hermann Thorens Société Anonyme, Sainte-Croix, Switzerland. Automatic record changer. 2,490,387, Dec. 6.
- Thew Shovel Company, The, assignee: *See*—
Zellman, Roy H.
- Thexton, Arthur L., assignor to Clopay Corporation, Cincinnati, Ohio. Window shade. 2,466,648, Apr. 5.
- Thexton Manufacturing Company, assignee: *See*—
Worel, Glen J.
- Thibault, Frank J., Rochester, N. Y. Arch, ankle, and leg bandage. 2,484,130, Oct. 11.
- Thiberg, George A., Cedar Knolls, N. J. Air pump for aquarium aerators. 2,471,796, May 31.
- Thiberg, George A., Cedar Knolls, N. J. Pump for gases and liquids to obtain varying pressures. 2,488,995, Nov. 22.
- Thibleroz, Laurent, Paris, France, assignor to Societe Francaise Radio Electrique. Exhaust tube structure for electron discharge tubes. 2,479,032, Aug. 16.
- Thibodeau, Wilfred E.: *See*—
Moore, Wiley T., and Thibodeau.
Moore, Wiley T., Church, and Thibodeau.
- Thiebaud, Nils A., assignee: *See*—
Lea, Walter A.
- Thiel, Leo S., Des Plaines, Ill. Mop cleaner and holder. 2,461,189, Feb. 8.
- Thiele, Theodore H.: *See*—
Jenkins, Wayne E., and Thiele.
- Thielers, Nils G., assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Single-phase series commutator motor. 2,465,668, Mar. 29.
- Thielke, Lena A.: *See*—
Strasser, Lena W., and Thielke.
- Thielker, Henry J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing telephone calling dials. 2,470,002, May 10.
- Thieme, George B., Jamaica, N. Y., assignor to Bendix Aviation Corporation, Norwood, Mass. Interlock mechanism. 2,481,629, Sept. 13.
- Thier, Charles, and B. Starr, New York, N. Y. Portable window cleaner. 2,463,443, Mar. 1.
- Thierfelder, Emil F.: *See*—
Roggenstein, Edwin O., and Thierfelder.
- Thierfelder, Emil F., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,473,738, June 21.
- Thierfelder, Emil F., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,480,981, Sept. 6.
- Thierry, John A.: *See*—
Hoar, Roger S., Mork, and Thierry.
- Thiess, Ludwig E., Schenectady, N. Y., assignor to General Electric Company. Porcelain glaze compositions. 2,478,645, Aug. 9.
- Thieuzard, Albert F., Paris, France. Producing three-color photographs. 2,488,837, Nov. 22.
- Thiman, Gunnar, assignor to Stavsborgs Aktiebolag, Stockholm, Sweden. Vibrator grinding mill. 2,469,484, May 10.
- Thimann, Kenneth V., Cambridge, Mass., assignor to the United States of America, as represented by the Secretary of the Navy. Green camouflage paint. 2,481,366, Sept. 6.
- Thiokol Corporation, assignee: *See*—
Alexander, Robert O.
Patrick, Joseph C.
Patrick, Joseph C., and Ferguson.
- Thireau, Remy H. A., Garches, France. Retractable landing gear and analogous device. 2,484,660, Oct. 11.
- Thirion, Jacques, Rouen, France. Lubricator. 2,492,903, Dec. 27.
- Thirsk, James H.: *See*—
Spruance, Frank P., Jr., and Thirsk.
- Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Cushioning support. 2,462,011, Feb. 15.
- Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Engine mount. 2,468,900, May 3.
- Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Cushioning and vibration damping support. 2,468,901, May 3.
- Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Vibration damping mounting. 2,472,029, May 31.
- Thodos, George, Bartlesville, Okla., assignor to Phillips Petroleum Company. Pelleting carbon black. 2,457,963, Jan. 4.
- Thoenen, Marie, assignee: *See*—
Bruen, George C.
- Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Discharger for centrifugal separators. 2,485,465, Oct. 18.
- Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Centrifugal separator. 2,485,466, Oct. 18.
- Tholsson, Karl E., Akarp, Sweden. Manufacture of turned slippers or similar footwear. 2,474,558, June 28.
- Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Signal-controlled printing apparatus. 2,461,451, Feb. 8.
- Thoma, Henry G.: *See*—
Kratz, John A., and Thoma.
- Thomas, Albert G., Alexandria, Va. Automatic stove. 2,470,533, May 17.
- Thomas, Albert G., Alexandria, Va. Circumferentially traveling type power-operated tire mounting and removing device. 2,470,534, May 17.
- Thomas, Albert G., Alexandria, Va. Electromagnetic device. 2,490,009, Nov. 29.
- Thomas, Albert G., Lynchburg, Va. High-frequency oscillation tube. 2,457,947, Jan. 4.
- Thomas, Albert G., Lynchburg, Va. Electron discharge device. 2,457,948, Jan. 4.
- Thomas, Albert G., Lynchburg, Va. Combination beam shift-grid control. 2,457,949, Jan. 4.
- Thomas, Albert G., Lynchburg, Va. Electronic device. 2,457,950, Jan. 4.
- Thomas, Albert G., Lynchburg, Va. Electronic tube. 2,458,223, Jan. 4.
- Thomas, Albert G., Lynchburg, Va. Electric iron with thermokinetic switch. 2,470,532, May 17.
- Thomas, Albert G., Lynchburg, Va. Calculating machine. 2,470,535, May 17.

- Thomas, Albert G., Lynchburg, Va. Electronic switch. 2,470,536, May 17.
- Thomas, Albert G., Lynchburg, Va. Clutch. 2,479,986, Aug. 23.
- Thomas, Albert, Munhall, Pa. Tool. 2,461,579, Feb. 15.
- Thomas, Arthur, Wallington, assignor to Powers-Samas Accounting Machines Limited, London, England. Mechanism for driving oscillatory members. 2,476,466, July 19.
- Thomas, Arthur W., Los Angeles, Calif. Door lock. 2,491,783, Dec. 20.
- Thomas, Ben E., Coulee Dam, Wash. Foot-operated ratcheting lever for actuating a traveling nut of a screw-operated vise. 2,489,731, Nov. 29.
- Thomas, Benjamin W., Baytown, Tex., assignor to Standard Oil Development Company. Analytical apparatus. 2,476,005, July 12.
- Thomas & Betts Co., The, assignee: See—
Bergen, Martin D.
Clapp, Jerome B.
Thomas, George C., Jr.
Thomas, George C., Jr., and Badeau.
- Thomas, Catherine: See—
Ghee, Garner T., and Thomas.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamolectric machine member. 2,463,331, Mar. 1.
- Thomas, Charles A., Ft. Wayne, Ind., assignor to General Electric Company. Dynamolectric machine. 2,465,824, Mar. 29.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Brush mechanism. 2,474,601, June 28.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamolectric machine. 2,474,871, July 5.
- Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Dynamolectric machine. 2,492,771, Dec. 27.
- Thomas, Charles A., St. Louis, Mo., and C. A. Hochwalt, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Reaction product of styrene oxide. 2,476,252, July 12.
- Thomas, Charles C.: See—
Carnes, Herbert W., and Thomas.
- Thomas, Charles E.: See—
Ness, Harold J., and Thomas.
- Thomas, Charles E., Los Angeles, Calif. Safety grip for hoists or elevators. 2,481,796, Sept. 13.
- Thomas, Charles L., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Core oil and core compositions. 2,466,667, Apr. 12.
- Thomas, Charles L., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of silica hydrogel and catalysts. 2,462,236, Feb. 22.
- Thomas, Charles W. L., Market Drayton, England. Spongedown apparatus. 2,469,184, May 3.
- Thomas, Chester A.: See—
Babson, Henry B., and Thomas.
- Thomas, Chester A., Crystal Lake, Ill., assignor to Babson Bros., Co. Making milker nipples. 2,463,920, Mar. 8.
- Thomas, Chester A., Crystal Lake, Ill., assignor to Babson Bros., Co. Strip cup. 2,467,949, Apr. 19.
- Thomas, Clarence E.: See—
Thurman, Avery J., and Thomas.
- Thomas, Donald, Detroit, assignor to Clinton Machine Company, Clinton, Mich. Tap extractor. 2,462,438, Feb. 22.
- Thomas, Delbert C.: See—
Galstaun, Lionel S., and Thomas.
- Thomas, Edgar B., and C. W. Heineman, assignors to Thomas and Heineman, Inc., Connersville, Ind. Anchor winch. 2,463,444, Mar. 1.
- Thomas, Edward B., Middletown, N. Y., assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Tuyère construction for underfeed stokers. 2,471,797, May 31.
- Thomas, Elmer A.: See—
Sutton, Roy N., and Thomas.
- Thomas, Floyd H., Milan, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rotary impact tool. 2,463,656, Mar. 8.
- Thomas, Floyd M., Findlay, Ohio. Fire alarm cable. 2,483,793, Oct. 4.
- Thomas, Frank G.: See—
Chesus, Frank O., and Thomas.
Chesus, Frank O., Thomas, and Bednash.
- Thomas, Frank R., assignor to Creed and Company, Limited, Croydon, England. Recording electric signals. 2,462,145, Feb. 22.
- Thomas, Frank S., Jr., Murfreesboro, Tenn., assignor to Development Corporation, Inc., St. Louis, Mo. Power transmission device. 2,487,002, Nov. 1.
- Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,485,676, Oct. 25.
- Thomas, George C., Jr., Elizabeth, and C. A. Badeau, Westfield, assignors to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,462,818, Feb. 22.
- Thomas, George T., Denville, N. J. Tobacco pipe cleaning device. 2,480,167, Aug. 30.
- Thomas, George W., assignor of one-quarter to J. C. Thomas, and one-quarter to M. Held, Athens, Ga. Rotary surface treating device. 2,491,141, Dec. 13.
- Thomas, Gerald G.: See—
Hutchinson, Alton E., and Thomas.
- Thomas, Graham I., Hollinwood, England, assignor to Hazeltine Research, Inc., Chicago, Ill. Control arrangement for wave-signal receivers. 2,476,639, July 19.
- Thomas, Halford R., Alhambra, Calif. Napkin holder. 2,474,763, June 28.
- Thomas, Harold E., Tucumcari, N. Mex. Watch hand remover. 2,464,105, Mar. 8.
- Thomas, Harold E. R., Crick, near Rugby, England. Time consuming or delay action mechanism. 2,470,003, May 10.
- Thomas and Heineman, Inc., assignee: See—
Thomas, Edgar B., and Heineman.
- Thomas, Henry P., Fayetteville, N. Y., assignor to General Electric Company. Negative feed-back transmission system. 2,469,218, May 3.
- Thomas, Howeth J., Oakland, R. M. Stager, Albany, and H. R. McCombie, Oakland, assignors to Shell Development Company, San Francisco, Calif. Deodorizing benzene hexachloride. 2,486,688, Nov. 1.
- Thomas, J. C., assignee: See—
Thomas, George W.
- Thomas, James E. L., and D. Traill, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Production of viscous aqueous solutions of proteins. 2,463,827, Mar. 8.
- Thomas, James L.: See—
Martin, Mervin E., Reed, and Thomas.
- Thomas, James W., Sr., Richmond, Mo. Valve construction. 2,491,429, Dec. 13.
- Thomas, John H., North Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey. Wire tooth. 2,482,883, Sept. 27.
- Thomas, John W., assignor to Thomas, Stone & French, Inc., Wichita, Kans. Cereal grain cracking machine. 2,472,780, June 7.
- Thomas, Joseph A., Los Angeles, Calif. Motion-picture film reel. 2,476,928, July 19.
- Thomas, Joseph C., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Portable housing unit. 2,469,752, May 10.
- Thomas, Joseph R., Chicago, Ill. Convertible seat structure. 2,467,638, Apr. 19.
- Thomas, Lewis A.: See—
Spencer, James A., Merson, and Thomas.
Spencer, James A., and Thomas.
- Thomas, Michael J., Birmingham, and G. C. Fricke, Pleasantridge, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel control system. 2,472,734, June 7.
- Thomas, Moyer D., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Automatically measuring concentrations of gases. 2,462,293, Feb. 22.
- Thomas, Paul W., Jamaica, N. Y. Press for the packaging of bundles of currency. 2,485,789, Oct. 25.
- Thomas, Percival E., assignor to Sterling Industries Limited, London, England. Self-closing pipe couplings. 2,471,798, May 31.
- Thomas, Percival E., Worcester Park, assignor to Sterling Industries Limited, London, England. Telescopic pipe joint or coupling. 2,476,929, July 19.
- Thomas, Percy H., Washington, D. C., assignor to the United States of America as represented by the Chairman of the Federal Power Commission. Aerogenerator. 2,470,797, May 24.
- Thomas, Phillip G., Leatherhead, England. Screw adjustment comparator. 2,483,328, Sept. 27.
- Thomas, Ralph B., Beverly, and G. S. Quinn, assignor to Sylvania Electric Products Inc., Salem, Mass. Tube forming apparatus. 2,492,904, Dec. 27.
- Thomas, Ralph W., assignor to Waukesha Foundry Company, Waukesha, Wis. Corrosion resistant alloy. 2,482,382, Sept. 20.
- Thomas, Richard, Westwood Village, Calif. Method and apparatus for producing motion pictures in color. 2,491,018, Dec. 13.
- Thomas, Richard, Westwood Village, Calif. Physiotherapy device. 2,492,408, Dec. 27.
- Thomas, Robert B., Napa, Calif. Collar stay. 2,487,284, Nov. 8.
- Thomas, Robert M.: See—
Calfee, John D., Thomas, and Flory.
Sparks, William J., and Thomas.
- Thomas, Robert M., Union, D. W. Young, Rosselle, and J. D. Calfee, Cranford, N. J., assignors to Standard Oil Development Company. Delayed-action polymerization process. 2,468,523, Apr. 26.
- Thomas, Robert M., Baton Rouge, La., and H. C. Reynolds, Belmont, Mass., assignors to Standard Oil Development Company. Synthetic rubbery copolymers of normal olefins with diolefins. 2,477,018, July 26.
- Thomas, Robert W., Grand Rapids, Mich. Hydraulic boost device. 2,472,236, June 7.
- Thomas, Robert W., Larchmont, assignor to Quality Bakers of America Cooperative, Inc., New York, N. Y. Delivering bread. 2,472,993, June 14.

- Thomas, Royal D., Jr., Narbeth, Pa., and G. F. Comstock, Niagara Falls, said Thomas assignor to Arcos Corporation, and said Comstock assignor to National Lead Company, New York, N. Y. Welding. 2,464,836, Mar. 22.
- Thomas, Shelton J., assignor of one-half to Robbins Cloth Mills, Inc., Robbins, N. C. Electric stop motion for textile machines. 2,464,468, Mar. 15.
- Thomas, Stone & French, Inc., assignee: *See*—
Thomas, John W.
- Thomas, Theodore R., Wilkes-Barre, Pa. Tackless display holder. 2,461,400, Feb. 8.
- Thomas, Thomas H., and E. R. Price, assignors to Bendix Aviation Corporation, South Bend, Ind. Booster unit for hydraulic pressure systems. 2,470,748, May 17.
- Thomas, Thomas M., Huntington Park, Calif., assignor to John Deere Killerfer Company. Disk gang assembly. 2,468,278, Apr. 26.
- Thomas, Thomas R., Baldwin, N. Y., assignor to The Sperry Corporation. Junction seal apparatus. 2,459,201, Jan. 18.
- Thomas, Walter L.: *See*—
Blake, Robert E., Grange, and Thomas.
Blake, Robert E., Thomas, and Grange.
- Thomas, Walter M.: *See*—
Wohnsiedler, Henry P., and Thomas.
- Thomas, William A., assignor to Blaw-Knox Company, Pittsburgh, Pa. Vortical gaseous-fluid type classifier for pulverized solid particles. 2,484,255, Oct. 11.
- Thomas, Willis P., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Automatically projectable and retractable soot blower head construction. 2,491,838, Dec. 20.
- Thomas's: *See*—
Howlett, Edward J.
- Thome, Leslie K., Detroit, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Crankcase ventilator. 2,482,226, Sept. 20.
- Thompkins, Edwin H., assignee: *See*—
McCreedy, Howard W.
- Thompson, Albert, assignee: *See*—
Ingemarson, Franc.
- Thompson, Albert C., Fountain City, Tenn. Lawn mower grinder. 2,473,313, June 14.
- Thompson, Albert N., Chicago, Ill. Self-locking device for linemen's body belts. 2,490,931, Dec. 13.
- Thompson, Albert R., Los Gatos, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Machine for packing string beans. 2,467,278, Apr. 12.
- Thompson, Albion J., Washburn, assignor of 50% to Abram Crouse, Crouseville, Maine. Machine for pneumatically separating potatoes from rocks. 2,458,224, Jan. 4.
- Thompson, Alfred E., and R. D. Salmon, assignors to Creed and Company Limited, Croydon, England. Teleprinter. 2,483,446, Oct. 4.
- Thompson, Alfred L., Munster, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Assembly for supporting refrigerant containers in refrigerator cars. 2,461,012, Feb. 8.
- Thompson, Allan G.: *See*—
Curtis, Kenneth L., Philpott, and Thompson.
- Thompson, Alvin C., Waukon, Iowa. Tractor brake lock. 2,463,657, Mar. 8.
- Thompson, Amy, Wessington, S. Dak. Spoon. 2,480,616, Aug. 30.
- Thompson, Andrew C., and C. Gill, Madera, Calif. Restraining chute for animals. 2,478,888, Aug. 9.
- Thompson, Arnold, Westwood, N. J. Necktie. 2,481,367, Sept. 6.
- Thompson, Arthur H., assignor to Thompson-Bremer & Co., Chicago, Ill. Floor clip. 2,486,723, Nov. 1.
- Thompson, Ashley J., Norfolk, Va. Control for hot-water systems. 2,487,615, Nov. 8.
- Thompson, Boyce Institute for Plant Research, assignee: *See*—
Synerholm, Martin E.
- Thompson-Bremer & Co., assignee: *See*—
Thompson, Arthur H.
- Thompson Brothers (Bilston) Limited, assignee: *See*—
Stordy, John J.
- Thompson, Charles C., McComb, Miss. Anchor. 2,478,342, Aug. 9.
- Thompson, Charles L., Oakland, Calif. Low lift attachment for hydraulic jacks. 2,469,670, May 10.
- Thompson, Clair P., Lansing, Mich., assignor, by mesne assignments, to The Tot Traveler Corporation, Toledo, Ohio. Traveling bag. 2,473,079, June 14.
- Thompson, Claude H., Binghamton, N. Y. Dispensing container. 2,474,076, June 21.
- Thompson, Donald C., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Lock lid for box compartments. 2,459,346, Jan. 18.
- Thompson, Donald C., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for forming tubes from sheet material. 2,490,930, Dec. 13.
- Thompson, Earl A., Bloomfield Hills, assignor to Earl A. Thompson Manufacturing Company, Ferndale, Mich. Vehicle visor. 2,492,074, Dec. 20.
- Thompson, Earl A., Manufacturing Company, assignee: *See*—
Thompson, Earl A.
- Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Floor pit cover means for vehicle hoists. 2,464,731, Mar. 15.
- Thompson, Elmer O., Grasmere, N. Y., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph pickup device. 2,480,272, Aug. 30.
- Thompson, Frank W., New Haven, Conn., assignor to Kenmildon Inc., Wilmington, Del. Electric air heater. 2,491,399, Dec. 13.
- Thompson, Franklin W., Wheatland, Wyo. Burning torch compass. 2,489,061, Nov. 22.
- Thompson, Gerard A., assignee: *See*—
Boyd, George T., and H. T.
- Thompson, Grinder Company, The, assignee: *See*—
Summers, Otto M.
Wilson, John C.
- Thompson, Gustave R., New York, N. Y. Convertible chair-bed combination. 2,491,911, Dec. 20.
- Thompson, H. I., Company, The, assignee: *See*—
Parker, Leon, and Cole.
- Thompson, Harry H.: *See*—
Johnson, Theodore A., and Thompson.
- Thompson, Henry T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Vinyl ethers and polymers thereof. 2,477,218, July 26.
- Thompson, Herbert H., Huntington, assignor to The Sperry Corporation, Great Neck, N. Y. Radio craft guidance system. 2,482,809, Sept. 27.
- Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Code detecting means. 2,461,452, Feb. 8.
- Thompson, Ivan P., and John P. Cowie, Elizabeth, N. J., assignors to The Linde Air Products Company. Process and apparatus for disposing of metal desurfacing products. 2,465,297, Mar. 22.
- Thompson, Ivan P., Elizabeth, and A. J. Miller, Garwood, N. J., assignors to The Linde Air Products Company. Shoe for thermochemical desurfacing machines. 2,483,483, Oct. 4.
- Thompson, James G., Winston-Salem, N. C. Quarter boot. 2,470,195, May 17.
- Thompson, James R., Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Steel wool steel. 2,492,019, Dec. 20.
- Thompson, James V., Calhoun, Ga., assignor to The Dorr Company, New York, N. Y. Arsenical gold ore treatment. 2,477,469, July 26.
- Thompson, Jason F., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing alumina. 2,469,088, May 3.
- Thompson, John C., assignor to The Garrett Corporation Aircsearch Manufacturing Company division, Los Angeles, Calif. Apparatus for crimping intercooler tubes adjacent the sides of the tube supporting plates. 2,475,162, July 5.
- Thompson, John I., Edgewater Park, N. J., and D. E. Marlowe, Takoma Park, Md. Marine mine. 2,472,866, June 14.
- Thompson, John M., Grosse Pointe, Mich. Spice mill. 2,478,646, Aug. 9.
- Thompson, John M., Sr., Axtell, Kans. Portable writing board. 2,478,849, Aug. 9.
- Thompson, Joseph J., and W. P. Penty, assignors to Kellogg Company, Battle Creek, Mich. Production of gun-puffed ready-to-eat food product. 2,478,438, Aug. 9.
- Thompson, Joseph R., Cranston, R. I. Power drive and control mechanism. 2,480,521, Aug. 30.
- Thompson, Kermit L., Kingsburg, Calif. Vineyard plow. 2,490,490, Dec. 6.
- Thompson, Lawrence, Richmond Hill, N. Y. Continuous process camera. 2,462,439, Feb. 22.
- Thompson, Lawrence E., Marion, Ind. Electric motor control. 2,466,133, Apr. 5.
- Thompson, Lee L., assignee: *See*—
Zeck, Ivan V.
- Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Fault indicator for radio relaying systems. 2,460,789, Feb. 1.
- Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Automatic frequency control. 2,462,294, Feb. 22.
- Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. High-frequency apparatus. 2,476,162, July 12.
- Thompson, Leonard J., Wichita, Kans. Bench cushion. 2,473,312, June 14.
- Thompson, Leonard J., Wichita, Kans. Stadium seat. 2,491,784, Dec. 20.
- Thompson, Leslie E.: *See*—
Sell, Richard G., and Thompson.
- Thompson, Leslie E., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifier. 2,468,845, May 3.
- Thompson, Lincoln, Cheshire, assignor to The Sound-scriber Corporation, New Haven, Conn. Universal re-producer head mounting. 2,464,064, Mar. 8.
- Thompson, Lincoln, Cheshire, Conn., assignor, by mesne assignments, to The Brush Development Company, Cleveland, Ohio. Reverse re-recording system. 2,466,186, Apr. 5.

- Thompson, Lincoln, Cheshire, assignor to The Sound-scriber Corporation, New Haven, Conn. Phonograph recording arm clamp. 2,478,722, Aug. 9.
- Thompson, Lloyd, and A. Jacobs, assignors to The Calvin Company, Kansas City, Mo. Light changing system for motion-picture printing machines. 2,477,099, July 26.
- Thompson, Louis A., Rocky River, assignor to NEA Service, Inc., Cleveland, Ohio. Facsimile receiving system. 2,467,950, Apr. 19.
- Thompson, Louis A., Rocky River, assignor to NEA Service, Inc., Cleveland, Ohio. Secret communication employing signal sequence switching. 2,482,039, Sept. 13.
- Thompson, Louis A., Rocky River, assignor to NEA Service, Inc., Cleveland, Ohio. Frequency-modulated picture transmitter. 2,488,517, Nov. 15.
- Thompson, Luke, Downsview, Ontario, and D. T. Wilson, Toronto, Ontario, Canada. Locking device for telescopic connections. 2,473,351, June 14.
- Thompson, Lyndon G.: *See*—
Watts, Vilas E., and Thompson.
- Thompson Manufacturing Co., assignee: *See*—
Ernest, Thomas R.
- Thompson, Marvin R., Riverside, Conn. Sulfa drug compositions. 2,460,437, Feb. 1.
- Thompson, Paul D., Enid, Okla. Animated decoy and actuating mechanism therefor. 2,480,390, Aug. 30.
- Thompson Products, Inc., assignee: *See*—
Aldredge, Marshall H.
Ashdown, Thomas J.
Aspellin, Leslie L.
Bartlett, Kenneth M.
Booth, James H.
Bowers, Thomas A. and E. M.
Colwell, Archie T.
De Vlieg, Charles B.
Doubrava, Eugene N.
Fike, Russell R., and Oakes.
Gair, Albert W.
Gibian, Emil F., and Bartlett.
Graham, Matthew P.
Holm, Thor O., and Fike.
Johnson, Paul P.
Kennedy, Maurice de K. T., and Booth.
Marencik, William J., and Ahlf.
McDill, Rex D.
Nordstrom, Bror A.
Roth, Jay M., and Mahler.
Tobener, William H., Jr.
Tobener, William H., Jr., and Anderson.
Venditty, Anthony.
Waag, Norman E.
- Thompson, Quentin P.: *See*—
Steele, Frederick I., and Thompson.
- Thompson, Ralph B.: *See*—
Chenicek, Joseph A., and Thompson.
- Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic acylation of aromatic compounds. 2,483,566, Oct. 4.
- Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Metal deactivator and a gasoline fuel containing the same. 2,486,538, Nov. 1.
- Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,492,334, Dec. 27.
- Thompson, Ralph B., and J. A. Chenicek, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,462,237, Feb. 22.
- Thompson, Ralph B., and J. A. Chenicek, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,492,336, Dec. 27.
- Thompson, Ralph N., Melvindale, Mich., assignor to National Steel Corporation. Apparatus for transferring materials. 2,462,691, Feb. 22.
- Thompson, Ransom S., East Hampton, assignor to United Aircraft Corporation, East Hartford, Conn. Mounting of collector and free-piston gas generators. 2,461,245, Feb. 8.
- Thompson, Robert D.: *See*—
Hutchinson, Franklin B., Miller, and Thompson.
- Thompson, Robert F.: *See*—
Rowley, Robert D., and Thompson.
- Thompson, Robert H., and H. Harvey, assignors to L. M. Harvey, Los Angeles, Calif. Magnetic stroke control for cylinder and piston mechanisms. 2,462,571, Feb. 22.
- Thompson, Robert L.: *See*—
Baldwin, Earl M., and Thompson.
- Thompson, Robert S., Lexington, Ky. Precision scribing instrument attachment. 2,480,168, Aug. 30.
- Thompson, Robert W., Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Shallow plane proportional counter. 2,485,516, Oct. 18.
- Thompson, Roy J., Gary, Ind., assignor to Inland Steel Company, Chicago, Ill. Threaded opening. 2,460,720, Feb. 1.
- Thompson, Roy J., Gary, Ind., assignor to Inland Steel Company, Chicago, Ill. Forming bungs in metallic plates. 2,460,721, Feb. 1.
- Thompson, Roy S., Westlake, Ohio. Wastebasket baler. 2,485,419, Oct. 18.
- Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Pyrylium dye salts as filter and antihalation dyes in photographic materials. 2,461,484, Feb. 8.
- Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Xanthylum dye salts as filter and antihalation dyes in photographic materials. 2,461,485, Feb. 8.
- Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Monazo compounds containing a thiazolone cyanine dye component. 2,464,785, Mar. 22.
- Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Rhodocarbocyanine dyes and preparation. 2,475,163, July 5.
- Thompson, Tom H., Mamaroneck, N. Y., assignor to Thompson-Wade Corporation, Detroit, Mich. Pitch control mechanism for helicopter rotors. 2,476,516, July 19.
- Thompson, Vincent S., Ottawa, Ontario, Canada. Vehicle tire. 2,487,398, Nov. 8.
- Thompson, Virgil L., St. Louis, Mo. Screw thread tester. 2,487,082, Nov. 8.
- Thompson-Wade Corporation, assignee: *See*—
Thompson, Tom H.
- Thompson, Waldo D., London, Ontario, Canada. Fish bait retrieving device. 2,488,996, Nov. 22.
- Thompson, William: *See*—
Bletsos, Bruce N., and Thompson.
- Thompson, William D., San Diego, Calif. Film holder for photographic enlargers. 2,461,668, Feb. 15.
- Thompson, William F., Salina, Kans. Stylus pressure adjustment means. 2,489,062, Nov. 22.
- Thompson, William I., Elizabeth, and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Multistage process of regenerating a fluidized catalyst. 2,475,650, July 12.
- Thompson, William J., Edgewood, R. I., assignor to C. & M. Manufacturing Co. Shipping and display container for jewelry. 2,469,530, May 10.
- Thompson, Willis F., Portland, Maine, assignor to The Alden Spore's Sons Co. Knife sharpener. 2,469,797, May 10.
- Thoms, Charles D., New York, N. Y. Apparatus for charging liquids with gas under pressure. 2,478,212, Aug. 9.
- Thomsen, Alfred M., San Francisco, Calif. Gasifying carbon and the like. 2,486,582, Nov. 1.
- Thomsen, Erich, San Francisco, Calif. Sanitary discharge nozzle for hose. 2,475,164, July 5.
- Thomsen, Soren M., Pennington, N. J., assignor to Radio Corporation of America. Skeletonizing glass. 2,490,662, Dec. 6.
- Thomsen, William A. V., Glen Ridge, assignor to Specialties Development Corporation, Belleville, N. J. Control device. 2,466,750, Apr. 12.
- Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Apparatus for supervising heat generating means. 2,460,314, Feb. 1.
- Thomson, E. Craig, Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Conductivity control. 2,468,791, May 3.
- Thomson Electric Welder Company, assignee: *See*—
Brandt, Francis L., Jr.
Southwick, William S.
Stieglitz, Hermann W.
- Thomson, Elihu C., Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Photoelectric relay. 2,466,751, Apr. 12.
- Thomson, Elihu C., Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. Thermally controlled electric relay. 2,489,391, Nov. 29.
- Thomson, Homer G., Wauwatosa, assignor to Allen Bradley Company, Milwaukee, Wis. Making insulated resistors. 2,471,592, May 31.
- Thomson, Judson L., Manufacturing Company, assignee: *See*—
Havener, Arthur R.
- Thomson, Robert D., Lynn, Mass. Awning hangers and suspending awnings on said hangers. 2,469,020, May 3.
- Thomson, Robin H. K., Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited. Manufacture of artificial protein filaments. 2,460,372, Feb. 1.
- Thomson-Sage, Inc., assignee: *See*—
Sage, Harry C.
- Thomson, Thomas B., Jr.: *See*—
Giffen, Harvey D., and Thomson.
- Thomson, Vincent E., Garden City, N. Y., assignor to The Sperry Corporation. Electron tube socket. 2,492,202, Dec. 27.
- Thomson, William B., Boston, Mass. Apparatus for approximately squaring circles. 2,458,749, Jan. 11.
- Thompsonville Trust Company, The: *See*—
Turgeon, Edmond.
- Thor, Clifford J. B.: *See*—
Beal, Keith F., and Thor.
- Thor Corporation, assignee: *See*—
Adams, David.
- Thorell, David J., Burlingame, Calif. Tool for beveling commutator segments. 2,478,026, Aug. 2.
- Thorens, Hermann, S. A., assignee: *See*—
Nicole, Amédée.
Piton, Charles.

- Thorens, Hermann, Société Anonyme, assignee: *See*—Thevenaz, Louis.
- Thoresen, Oscar, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Scavenging system for air propeller gear drives. 2,492,020, Dec. 20.
- Thormodsgaard, Albert C., Alcester, S. Dak. Clutch control. 2,486,767, Nov. 1.
- Thorn, Maurice S.: *See*—Tognola, Tullio, and Thorn.
- Thornberg, John H., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermocouple safety pilot switch. 2,463,216, Mar. 1.
- Thornburg, Harold A., Brooklyn, assignor to United States Rubber Company, New York, N. Y. Method and apparatus for cooling. 2,488,997, Nov. 22.
- Thorndike, Herbert A., Oshkosh, Wis., assignor, by mesne assignments, to Vulcan Manufacturing Co., Inc., Winona, Minn. Hydraulic jack. 2,472,867, June 14.
- Thorne, Cyril J., Los Angeles, Calif. Prosthetic device. 2,471,380, May 24.
- Thorne, Earle D.: *See*—Sireib, Albrecht, Thorne, and Wehner.
- Thornfield, Godfrey, London, England. Safety razor combined with blade conditioning means. 2,470,588, May 17.
- Thornhill-Craver Company, assignee: *See*—Loeffler, John E.
- Thornhill, Jesse S.: *See*—Rohr, Mamie E., and Thornhill.
- Thornhill, Peter W., Leamington Spa, England, assignor to Levitation Limited. Telescopic suspension device for vehicles. 2,476,228, July 12.
- Thornley, Edwin M., Bloomington, Ill. Ballast removing apparatus. 2,463,499, Mar. 1.
- Thornley, Joseph H., Evanston, Ill. Pile and making the same. 2,465,557, Mar. 29.
- Thornley, Joseph H., Great Neck, N. Y. Means and method for grouting drilled-in caissons. 2,488,074, Nov. 15.
- Thornley, Joseph H., Great Neck, N. Y., and H. L. Caudill, Arlington Heights, assignors to Western Foundation Corporation, Chicago, Ill. Forming cast-in-place concrete incasements of previously driven piles. 2,488,073, Nov. 15.
- Thorns, Denis H., and D. Ramsay, assignors to The Bristol Aeroplane Company, Limited, Bristol, England. Supercharged internal-combustion engine. 2,482,040, Sept. 13.
- Thornton, Arthur W., Pittsburgh, L. Stewart, McKeesport, and F. Susa, Pittsburgh, Pa. Apparatus for coating ingot molds. 2,471,049, May 24.
- Thornton, John J., Jr., assignee: *See*—Gregoire, Resta S.
- Thornton, Lawrence W., Houston, Tex. Bomb. 2,468,140, Apr. 26.
- Thorp, Joel R.: *See*—Riemann, Howard C., and Thorp.
- Thorpe, Drew M., Villa Nova, assignor to General Refractories Company, Philadelphia, Pa. Checker-brick and checkerwork. 2,467,166, Apr. 12.
- Thorpe, James W., Dunstable, S. W. Russell, Stanmore, and S. J. Herbert, Richmansworth, assignors to H. Reeve Angel & Co., Ltd., London, England. Apparatus for folding paper and like material. 2,484,390, Oct. 11.
- Thorsen, E. M., assignee: *See*—Bruen, George C.
- Thorson, Allen W.: *See*—Bennett, Joseph S., and Thorson.
- Thorson, Harry L., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,489,873, Nov. 29.
- Thorson, Roy M., Richmond, Calif. Parking indicator. 2,459,202, Jan. 18.
- Thorsson, Matthew, Rutland, Vt. Three-bucket counting scale. 2,484,324, Oct. 11.
- Thrasher, Hoyt S., Birmingham, Ala. Self-service refrigerated meat display case. 2,463,658, Mar. 8.
- Thrasher, William H., Birmingham, Ala. Electrical connector. 2,470,196, May 17.
- Threedy, Clarence E., assignee, trustee: *See*—Tratsch, Walter A.
- Thrift, Betty B., administratrix: *See*—Thrift, Fred, and Davis.
- Thrift, Fred, deceased, Kingsville, Tex., by B. B. Thrift, administratrix, Kingsville, and H. E. Davis, Corpus Christi, Tex. Drill bit. 2,489,687, Nov. 29.
- Throdahl, Monte C., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubbery butadiene polymers with dioxanthic disulfides. 2,462,572, Feb. 22.
- Throne, Dallas, La Verne, assignor of one-half to J. C. Reher, Jr., Covina, Calif. Camera lens shade. 2,466,786, Apr. 12.
- Thropp, Wm. R., & Sons Co., assignee: *See*—Wilkes, William H.
- Thulin, Ivan V., Upper Darby, Pa. Chuck. 2,460,858, Feb. 8.
- Thulin, Ivar V., Upper Darby, Pa. Bathtub shower bath appliance. 2,472,030, May 31.
- Thumlin, Carl, Yeaddon, assignor to I. T. E. Circuit Breaker Corporation, Philadelphia, Pa. Time-delay electronic device. 2,468,418, Apr. 26.
- Thumlin, Carl, Yeaddon, assignor to I. T. E. Circuit Breaker Corporation, Philadelphia, Pa. Bomb release rack. 2,491,400, Dec. 13.
- Thun, Bernard M., Milwaukee, Wis. Spring scale. 2,488,042, Nov. 15.
- Thunder, Harold G.: *See*—Lane, Guy M., and Thunder.
- Thunell, Karl H.: *See*—Rost, Helge F., Thunell, Vigen, and Claesson.
- Thuney, Francis M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,490,932, Dec. 13.
- Thuras, Albert L., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Magnetostrictive oscillator. 2,472,388, June 7.
- Thurber, Adolph E., Jr., Brooklyn, N. Y. Elevator leveling device. 2,481,260, Sept. 6.
- Thurber, Arthur E., Sherrill, assignor to Oneida Ltd., Oneida, N. Y. Electroplating apparatus. 2,487,399, Nov. 8.
- Thurber, Edward J., New Orleans, La. Power transmission. 2,490,720, Dec. 6.
- Thurber, Elmer A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Passivation of ferrous metals. 2,473,456, June 14.
- Thureen, Ernest H., East Grand Forks, Minn. Electric fence insulator puller. 2,475,208, July 5.
- Thurman, A. L., assignee: *See*—Thurman, Avery J., and Thomas.
- Thurman, Avery J., and C. E. Thomas, Bowling Green, Ky., assignors to A. L. Thurman, Davidson County, Tenn. Machine for agitating the fluent contents of containers. 2,487,033, Nov. 1.
- Thurman, Benjamin H., New York, N. Y., assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Purification of glyceride oils. 2,462,923, Mar. 1.
- Thurman, Benjamin H., New York, N. Y., assignor to B. Clayton, doing business under the fictitious name and style of Refining, Unincorporated. Treating waste pulp liquors. 2,475,361, July 5.
- Thurman, Oliver, Jr., Mountain Lakes, N. J., assignor to Air Reduction Company, Incorporated. Torch tip. 2,483,742, Oct. 4.
- Thurman, Oliver, Jr., Mountain Lakes, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Combination flash arrester and check valve. 2,490,175, Dec. 6.
- Thurman, Peter J., and J. Downing, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Production of chlorinated aliphatic compounds. 2,480,982, Sept. 6.
- Thurston, Arthur L., Wantagh, assignor to Cox & Stevens Aircraft Corporation, Mineola, N. Y. Electrical compression measuring device. 2,488,347, Nov. 15.
- Thurston, Arthur L., Wantagh, assignor to Cox & Stevens Aircraft Corporation, Mineola, N. Y. Electric weighing apparatus. 2,488,349, Nov. 15.
- Thurston, Arthur L., Wantagh, and J. O. Irwin, Great Neck, assignors to Cox & Stevens Aircraft Corporation, Mineola, N. Y. Electric strain gauge. 2,466,337, Apr. 5.
- Thurston, Jack T.: *See*—Kaiser, Donald W., and Thurston.
- Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Amino aliphatic guanamines. 2,459,397, Jan. 18.
- Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha, beta-unsaturated guanamines. 2,461,943, Feb. 15.
- Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Halogen-substituted guanamines. 2,463,471, Mar. 1.
- Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. N-heterocyclic substituted guanamines. 2,474,194, June 21.
- Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Aliphatic polyene guanamines. 2,483,986, Oct. 4.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Cation exchange resins as water purifiers. 2,468,471, Apr. 26.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Oxazolidines and preparing the same. 2,479,525, Aug. 16.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Isomerizing isomelamines. 2,482,076, Sept. 13.
- Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of cyanuric chloride. 2,491,459, Dec. 13.
- Thurston, Jack T., Riverside, and R. B. Warner, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkylene oxide condensation products of dimerized fatty acid alkylol amides. 2,470,081, May 10.
- Thwaites, Leslie B., Cublington, near Leamington Spa, England. Trailer-mounted lifting apparatus. 2,483,356, Sept. 27.
- Thynell, Gustave M.: *See*—Borden, Perry A., and Thynell.
- Tibbetts, George C., Camden, Maine, assignor to Tibbetts Laboratories. Phonographic transducer device. 2,474,993, July 5.
- Tibbetts Laboratories, assignee: *See*—Tibbetts, George C.

- Tibbetts Laboratories, Inc., assignee: *See—*
Tibbetts, Raymond W.
- Tibbetts, Raymond W., assignor to Tibbetts Laboratories, Inc., Camden, Maine. Piezoelectric device. 2,472,179, June 7.
- Tibbores, Alexander J.: *See—*
Zsinor, John, and Tibbores.
- Tibbores, Alexander J., Highland Park, and J. Zsinor, Detroit, Mich., said Zsinor assignor to said Tibbores. Scooter construction. 2,486,689, Nov. 1.
- Tice, Wayne E.: *See—*
Weyenberg, Henry, and Tice
- Tice, William F., assignor to Barber-Coleman Company, Rockford, Ill. Friction flywheel dampener for servos. 2,482,134, Sept. 20.
- Tichenor, Edwin B., Birmingham, Ala. Musical instrument bow. 2,478,027, Aug. 2.
- Tichenor & Ferguson, assignee: *See—*
Silva, Zelta M.
- Tick, Samuel, Toronto, Ontario, Canada. Bobby pin. 2,489,598, Nov. 29.
- Tidd, Edwin B.: *See—*
Birkemeier, Henry P., and Tidd.
- Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Morton Grove, Ill. Air eliminator. 2,469,616, May 10.
- Tiddy, William, Manhasset, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Ammonium sulfate saturator. 2,482,643, Sept. 20.
- Tide Water Associated Oil Company, assignee: *See—*
Beattie, Robert.
- Hawes, Russell J.
- Hawes, Russell J., Behrman, and Campbell.
- Revukas, Anthony J.
- Wangh, Stanley P.
- Zellner, Carl N.
- Zellner, Carl N., and Granholm.
- Tidewater Equipment Co., assignee: *See—*
Whittle, Charles E.
- Tidwell, Wendell B., assignor to Window-Frame Corporation, Norfolk, Va. Reversible window construction. 2,474,126, June 21.
- Tiedeman, Robert K., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Centrifugally nonresponsive electrical snap switch. 2,463,659, Mar. 8.
- Tiefenbacher, Thomas B., Jamaica, N. Y.; L. Grinka, executrix of said T. B. Tiefenbacher, deceased. Toolholder. 2,482,041, Sept. 13.
- Tiefenthal, Joseph, Forest Hills, N. Y. Reed structure. 2,457,852, Jan. 4.
- Tien, Hsin-Ya, Singapore, Straits Settlements. Piston for use in internal-combustion engines. 2,472,928, June 14.
- Tierce, Gilbert L., Shreveport, La. Duck call. 2,488,838, Nov. 22.
- Tierney, John T., Union, N. J. Setting mechanism for calculating machines. 2,469,754, May 10.
- Tierney, Thomas W., Watertown, Mass. Candle holder. 2,462,440, Feb. 22.
- Tierney, William J., and C. L. Harmon, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Automobile door latch mechanism. 2,476,332, July 19.
- Tierney, William J., and C. L. Harmon, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Automobile door latch mechanism. 2,476,333, July 19.
- Tietz, Herbert D., Maplewood, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Producing clad metal cooking utensils. 2,471,663, May 31.
- Tietzmann, Charles, Dayton, Ohio. Fluid operated motor and valve operating mechanism therefor. 2,478,064, Aug. 2.
- Tiffany, Raymond E., and F. J. Krajcik, Bridgeport, Conn., assignors to General Electric Company. Starting switch for fluorescent lamps. 2,481,368, Sept. 6.
- Tiffany, William E., Shawnee, Okla. Nasal and sinus protector and warmer. 2,468,383, Apr. 26.
- Tigges, Alex J.: *See—*
Boling, Cecil, and Tigges.
- Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Radio wave absorption device. 2,464,006, Mar. 8.
- Tiley, John W., assignor to Philco Corporation, Philadelphia, Pa. Selective wave guide energy meter. 2,479,650, Aug. 23.
- Tilford, Charles H.: *See—*
Van Campen, Marcus G., Jr., and Tilford.
- Tillery, Hubert B., Kansas City, Mo. Bulk ice-cream container. 2,459,727, Jan. 18.
- Tillery, Hubert B., Kansas City, Mo. Bulk ice-cream container. 2,459,728, Jan. 18.
- Tillet, George H.: *See—*
Fleisher, Harry, and Tillet.
- Tillet, Stanley H., Wanstead, London, and B. D. Felld, Romford, assignors to Tillet's Cotton Marking Machines Limited, London, England. Apparatus for reproducing characters and the like. 2,474,406, June 28.
- Tillet's Cotton Marking Machines Limited, assignee: *See—*
Tillet, Stanley H., and Felld.
- Tillitson, Edward W., Grosse Pointe, assignor to Parke, Davis & Company, Detroit, Mich. Stabilized aromatic compounds and obtaining the same. 2,472,868, June 14.
- Tillman, Ferdinand J., St. Louis, Mo. Typewriter calculating machine. 2,487,616, Nov. 8.
- Tillman, Ferdinand J., St. Louis, Mo. Typewriter calculating machine. 2,487,954, Nov. 15.
- Tillman, Irvin C., Baltimore, Md., assignor to General Electric Company. Hermetically sealed rotary circuit controller. 2,467,243, Apr. 12.
- Tillman, John E., Phoenix, Ariz., assignor to General Electric Company. Tuning mechanism. 2,491,341, Dec. 13.
- Tillman, Lambert J., Toledo, Ohio. Flat bottom gondola car. 2,478,608, Aug. 9.
- Tillo, Alax, assignee: *See—*
Giegerich, Vera.
- Tillotson, James H., Spartanburg, S. C. Tire removing machine, axially shifting type. 2,479,432, Aug. 16.
- Tilly, Robert, New York, N. Y. Garment supporter. 2,463,068, Mar. 1.
- Tillyer, Edgar D.: *See—*
Moulton, Harold R., and Tillyer.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Optical lens means having a non-spherical refracting surface. 2,482,698, Sept. 20.
- Tilton & Cook Co., assignee: *See—*
Holden, Crofton C.
- Timber Engineering Company, assignee: *See—*
Lank, Everett S.
- Time, Inc., assignee: *See—*
Bishop, Nathaniel.
- Faerber, Harry W.
- Time Oil Co., assignee: *See—*
Miller, Charles E.
- Timerman, Anthony T., Milwaukee, Wis. Fuse. 2,485,076, Oct. 18.
- Times Facsimile Corporation, assignee: *See—*
Chiger, Arthur.
- Cooley, Austin G.
- Grib, Boris F.
- Shonnard, John R.
- Shonnard, John R., and Kaye.
- Timken-Detroit Axle Company, The, assignee: *See—*
Alden, Herbert W.
- Burkendale, Lawrence R.
- Keese, Beverly W.
- Powers, Milton A., and Sutterfield.
- Rockwell, Walter F., and Keese.
- Timken Roller Bearing Company, The, assignee: *See—*
Baker, John B.
- Barnbrook, Thomas G.
- Edwards, Herbert C.
- Timken Silent Automatic Division, The Timken-Detroit Axle Company, assignee: *See—*
Suman, Robert W.
- Timm, Frank M., Munster, Ind., and R. D. Gibney, Calumet City, assignors to American Steel Foundries, Chicago, Ill. Quenching machine. 2,489,166, Nov. 22.
- Timin, John C., Girard, Ohio. Metallic structural element. 2,473,976, June 21.
- Timm, Raymond L., and L. L. Hartshorn, Minneapolis, Minn. Decoy. 2,483,680, Oct. 4.
- Timmer, Albert J.: *See—*
Storer, John B., and Timmer.
- Timmer, Albert J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerant liquefying unit. 2,478,137, Aug. 2.
- Timpe, Atwood M., Los Angeles, Calif. Shuttlecock. 2,485,420, Oct. 18.
- Timpe, Atwood M., Los Angeles, Calif. Apparatus for making shuttlecocks. 2,485,421, Oct. 18.
- Tincler, George A.: *See—*
Wilt, Homer E., and Tincler.
- Tindal-Carill-Worsley, Geoffrey N. E., Walton-on-Thames, assignor of one-half to Screw Machine Products Limited, Woburn Green, near High Wycombe, Buckinghamshire, England. Locking cleat for securing ropes and the like. 2,476,393, July 19.
- Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Arylalkylnitroalcohols. 2,460,265, Jan. 25.
- Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of nitromethane from aqueous alcoholic mixtures thereof. 2,465,959, Mar. 29.
- Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Esters of nitroalcohols. 2,488,650, Nov. 22.
- Tingdale, Warren M., New York, N. Y., assignor to National Transits, Inc. Wire basket having extended wire reinforcements bent to form sliding card holders. 2,467,411, Apr. 19.
- Tingue, Brown & Co., assignee: *See—*
Foster, John W.
- Tinker, Randall B., Lynn, Mass., assignor to General Electric Company. Electroplating a sintered ferrous article. 2,491,839, Dec. 20.
- Tinker, Townsend, Orchard Park, assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y. Heat exchanger. 2,460,660, Feb. 1.
- Finkham, Michael, Ripon, Wis., and D. G. Harris, Massillon, assignors to Republic Steel Corporation, Cleveland, Ohio. Electronic pilot light indicator for molten steel temperature. 2,475,362, July 5.

- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,464,620, Mar. 15.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Snap clamp. 2,466,921, Apr. 12.
- Tinnerman, George A., and L. H. Flora, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening construction. 2,467,604, Apr. 19.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,475,172, June 21.
- Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Clamping device for supporting a bundle of wires. 2,491,290, Dec. 13.
- Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H.
Rice, Frederick H.
Sweet, Laurie.
Tinnerman, George A.
Tinnerman, George A., and Flora.
- Tint, Howard, and C. W. Murray, Salinas, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Extracting rubber from plants. 2,459,369, Jan. 18.
- Tint, Lester M., Palo Alto, Calif. Adjustable power coupling. 2,478,953, Aug. 16.
- Tintes, Hubert A., West Fargo, N. Dak. Portable grain elevator. 2,460,661, Feb. 1.
- Tippett, James C., Brockton, Mass. Receptacle cover pry-off tool. 2,458,806, Jan. 11.
- Tippett, William R., near Greensboro, assignor of one-half to R. B. Dunn, Greensboro, N. C. Valve for watering troughs. 2,469,617, May 10.
- Tipton, Alvin E., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Hatch cover for covered hopper cars. 2,487,993, Nov. 15.
- Tipton, Elizabeth B., executrix: *See*—
Kotches, Frank K., and Tipton.
Tipton, William D.
- Tipton, John J., Paola, Kans. High-pressure pipe patch. 2,492,507, Dec. 27.
- Tipton, William D.: *See*—
Kotches, Frank K., and Tipton.
- Tipton, William D., deceased, Stoneleigh, Md., E. B. Tipton, executrix. Control booster for aircraft. 2,484,359, Oct. 11.
- Tipton, William D., Stoneleigh, Md., E. B. Tipton executrix of said W. D. Tipton, deceased. Hydraulic unit. 2,486,690, Nov. 1.
- Tire-Larm Co., assignee: *See*—
Siever, Paul.
- Tire-Tell Corporation, assignee: *See*—
Dysart, Norman A.
- Tiritilli, John P., and T. L. Jones, Chicago, Ill. Infant's collapsible and portable chair. 2,459,601, Jan. 18.
- Tiscione, Anthony, Brooklyn, N. Y. Light socket. 2,466,566, Apr. 5.
- Tisdale, Furnie G.: *See*—
Tisdale, William L., and Furnie G.
- Tisdale, James R. M., assignor of one-half to D. J. Smith, Beaverton, Ontario, Canada. Spring roller for window screens, blinds, and the like. 2,464,903, Mar. 22.
- Tisdale, William L., and F. G. Montgomery, Ala. Power drive peanut shaker. 2,489,834, Nov. 29.
- Tisell, Charles, deceased, by G. Tisell, executrix, Bronx, N. Y. Crank motion for steam engines and the like. 2,480,273, Aug. 30.
- Tisell, Gerda, executrix: *See*—
Tisell, Charles.
- Tishler, Max: *See*—
Beutel, Ralph H., and Tishler.
Goldsmith, Dale P. J., and Tishler.
Howe, Eugene E., and Tishler.
Pfister, Karl, III, and Tishler.
Pierson, Earl, and Tishler.
Sheehan, John C., and Tishler.
Sheehan, John C., Mazingo, and Folkers and Tishler.
Snyder, Harold R., and Tishler.
Stein, Gustav A., and Tishler.
Weillard, John, and Tishler.
Wolf, Frank J., and Tishler.
- Titan Metal Manufacturing Company, The, assignee: *See*—
Shook, Jacob W.
- Titan Tool Company, assignee: *See*—
McKean, Boyd A.
- Titan Valve and Manufacturing Company, The, assignee: *See*—
Van Denberg, Thomas F., and Selby.
- Titcomb, Albert S., Detroit, Mich. Abrasive wheel. 2,476,334, July 19.
- Titcomb, Frederick A., West Vancouver, British Columbia, assignor of fifty per cent to B. A. Schneider, Vancouver, British Columbia, Canada. Sliding selector. 2,487,199, Nov. 8.
- Titcomb, Lee R., Chicago, Ill. Valve mechanism and control means. 2,463,921, Mar. 8.
- Titdeflex, Inc., assignee: *See*—
Peters, Melville F., and Phillips.
- Tittle, Harry W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluorescent inspection lamp. 2,472,180, June 7.
- Titus, Bert C., Dubois, Pa. Garment case for containing a coat hanger, shoe box, and supports for small personal articles. 2,458,116, Jan. 4.
- Titus, Horace L., Sterling, Colo. Electric lighting system. 2,476,517, July 19.
- Tjernstrom, Stig H.: *See*—
Brundell, Per G., and Tjernstrom.
- Toast-O-Lator Co., Inc., assignee: *See*—
Goddard, Alvin C.
- Toastwell Company, Incorporated, The, assignee: *See*—
McCullough, Paul J.
- Tobe Deutschmann Corporation, assignee: *See*—
Clark, Richard U.
- Tobener, William H., Jr., assignor to Thompson Products, Inc., Cleveland, Ohio. Casting machine for lining bearings. 2,473,481, June 14.
- Tobener, William H., Jr., assignor to Thompson Products, Inc., Cleveland, Ohio. Casting machine for lining bearings. 2,473,482, June 14.
- Tobener, William H., Jr., Cleveland, Ohio, and C. V. Anderson, Portland, Oreg., assignors to Thompson Products, Inc., Cleveland, Ohio. Mold for lining bearings. 2,473,483, June 14.
- Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,476,123, July 12.
- Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator, including means for controlling circulation of air therein. 2,480,617, Aug. 30.
- Tobias, Cornelius A., Berkeley, Calif. Breathing indicator. 2,473,922, June 21.
- Tobias, Cornelius A., Richmond, Calif., assignor to the United States of America as represented by the Secretary of War. Parachute release mechanism. 2,478,138, Aug. 2.
- Tobin-Arp Manufacturing Company, assignee: *See*—
Arp, Ewald A.
- Tobin, Kenneth J., Chicago, Ill. Building block and making same. 2,476,229, July 12.
- Tocci-Guilbert, Berne, assignor to Flexentrik Co., San Francisco, Calif. Grinding machine. 2,486,078, Oct. 25.
- Todd, Alexander R.: *See*—
Atherton, Frank R., Bergel, Cohen, Haworth, Openshaw, and Todd.
Basford, Frederick R., Curd, Rose, Openshaw, Hull, and Todd.
Crowther, Albert F., Curd, Lovell, Openshaw, and Todd.
- Todd, Edwin T., Pontiac, Mich., assignor to the United States of America as represented by the Secretary of War. Harness. 2,473,114, June 14.
- Todd, Everett W., assignor to The Massey-Harris Company, Racine, Wis. Bedder attachment for tractors. 2,487,955, Nov. 15.
- Todd, Francis C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Electrical circuit. 2,461,131, Feb. 8.
- Todd, Harold C.: *See*—
Wheeler, John W., and Todd.
- Todd, Paul H., Kalamazoo, Mich. Inhaler. 2,460,955, Feb. 8.
- Todd, William, Neptune City, N. J. Automatic positioning circuit for cathode-ray tubes. 2,464,274, Mar. 15.
- Todd, William L., Fort Thomas, Ky., and E. E. Greenberg, Cincinnati, Ohio, assignors to The Kelley-Koett Manufacturing Co., Covington, Ky. Polarity indicator plug. 2,474,407, June 28.
- Toettcher, Fred C., Fishkill, and J. R. Coley, Beacon, assignors to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,461,453, Feb. 8.
- Toettcher, Fred C., Fishkill, assignor to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,461,454, Feb. 8.
- Toettcher, Fred C., Fishkill, assignor to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,461,455, Feb. 8.
- Toews, Gustav P., Aldan, Pa., assignor to G. B. Fowler, Springfield, Mass., as trustee. Internal-combustion engine and operating the same. 2,481,890, Sept. 13.
- Toews, Peter J., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,467,787, Apr. 19.
- Toews, Peter J., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,476,467, July 19.
- Tofanelli, Olinto J., Oakland, Calif., assignor to American Can Company, New York, N. Y. Device for flanging can bodies. 2,491,535, Dec. 20.
- Tofflemire, Benjamin F., Lafayette, Calif. Matrix band former and cutter. 2,466,830, Apr. 12.
- Tofflemire, Benjamin F., Lafayette, Calif. Intraoral fracture reduction appliance. 2,481,177, Sept. 6.
- Toffolon, Roger L., Plainville, Conn. Pallet and lift fork therefor. 2,465,133, Mar. 22.
- Toffolon, Roger L., Plainville, Conn. Pallet and sling mechanism therefor. 2,465,134, Mar. 22.
- Toftoy, Abner S., Kanawha, Iowa. Post puller. 2,482,950, Sept. 27.
- Toftness, Irwing N., Cumberland, Wis. Basic balance scale. 2,487,956, Nov. 15.
- Tognola, Tullio, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Making ignition apparatus. 2,477,273, July 26.
- Tognola, Tullio, Sidney, and M. S. Thorn, Oneonta, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,482,884, Sept. 27.

- Togstad, C. I., Company, assignee: *See*—
Henderson, Scott W.
- Toidey Company, Gertrude A. Muller, Inc., The, assignee: *See*—
Muller, Gertrude A.
- Toland, Orlando, Industry, Ill. Wire reel and winch. 2,475,762, July 12.
- Toland, William G., Jr.: *See*—
Levine, Irving E., and Toland, Jr.
- Tolbert, William P., assignor to Anthes Force Oilier Company, Fort Madison, Iowa. Rearview mirror support. 2,458,117, Jan. 4.
- Toledo Engineering Company, Inc., assignee: *See*—
Batchell, George W.
- Toledo Scale Company, assignee: *See*—
Hem, Halvor O.
Marshall, Charles O., Jr.
Weckerly, Mark A.
Williams, Lawrence S.
Yeastling, Maynard C.
- Toledo Stamping and Manufacturing Company, assignee: *See*—
Gable, Arthur G.
Ronfeldt, Henry C.
- Toleik, John A., Berwyn, Ill. Ladle for casting metals and the like. 2,477,838, Aug. 2.
- Tollison, Paul L., North Plainfield, and C. L. Richards, South Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Clamping apparatus for tension locked printing plates. 2,474,127, June 21.
- Tolman, Charles P., Kew Gardens, N. Y., assignor to Differential Wheel Corporation, Detroit, Mich. Dual wheel assembly. 2,459,347, Jan. 18.
- Tolman, Charles P., Kew Gardens, N. Y., assignor to Differential Wheel Corporation, Detroit, Mich. Dual wheel brake assembly. 2,465,135, Mar. 22.
- Tolstouhiov, Alexander V.: *See*—
Friedman, Harris L., and Tolstouhiov.
- Tomalis, Joseph J., assignor to American Screw Company, Providence, R. I. Screw socket. 2,474,994, July 5.
- Tomany, James P., assignor to The Lummus Company, New York, N. Y. Catalytic reactor. 2,492,407, Dec. 27.
- Tomarin, Harry A., Cincinnati, Ohio. Folding box. 2,464,904, Mar. 22.
- Tomasek, Herbert F., St. Louis, Mo., and L. T. Ward, East Orange, N. J., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Apparatus for charging and sealing metallic bulbs. 2,481,042, Sept. 6.
- Tombs, Edward W., Pittsburgh, Pa. Rotary turbine type hydraulic transmission. 2,471,799, May 31.
- Tomczak, Joseph S., U. S. Navy. Container. 2,479,592, Aug. 25.
- Tomey, Michael B., South Norwalk, Conn. Automatic safety flatiron holder. 2,460,044, Jan. 25.
- Tomic Sales and Engineering Company, assignee: *See*—
Tarnow, Nathan.
- Tomkins, David, Providence, R. I. Lawn broom or rake. 2,475,862, July 12.
- Tomkins, Douglass G.: *See*—
Peck, Edward B., and Tomkins.
- Tomko, Stephen V., McKeesport, Pa. Drawing scale. 2,459,554, Jan. 18.
- Tomlin, Francis H., Haddonfield, N. J. Shoe support. 2,479,187, Aug. 16.
- Tomlin, Stanley G.: *See*—
Fremlin, John H., and Tomlin.
- Tomlinson, Ben L.: *See*—
Tomlinson, William E. and B. L.
- Tomlinson, Cleo S.: *See*—
Curtis, Arvel C., and Tomlinson.
- Tomlinson, Ethel, executor: *See*—
Knapp, David R.
- Tomlinson, Fay M., Lakewood, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool chuck actuator. 2,476,781, July 19.
- Tomlinson, William E. and B. L., Hector, Minn. Grain drier. 2,490,176, Dec. 6.
- Tomrie, Peter, Portland, Oreg. Balancing figure wheeled toy. 2,489,206, Nov. 22.
- Tompkins, Edwin H., assignee: *See*—
McCready, Howard W.
- Tompkins, Edwin H., New York, N. Y. Therapeutic device. 2,488,693, Nov. 22.
- Tompkins, Everette J., assignee: *See*—
Osterhus, Ervin J.
- Tompkins, Howard E.: *See*—
Bradley, William E., and Tompkins.
- Tompkins, Howard E., Media, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Magnetic transducer adapted to compensate for twisting of the record wire. 2,471,251, May 24.
- Tompkins, J. Everette, assignee: *See*—
Duerr, Carl F., Jr.
Knam, Francis E.
Osterhus, Ervin J.
- Tompkins, Norman G., Melrose, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Adhesive composition comprising an aqueous dispersion of polyvinyl acetate and pinewood extract. Re. 23,164, Nov. 1.
- Tondreau, Albert W., North Hollywood, and E. B. McGreal, Glendale, Calif., assignors to Warner Brothers Pictures Incorporated. Synchronizing and slating method. 2,479,188, Aug. 16.
- Tone, Frederick F.: *See*—
Sowa, Frank J., and Tone.
- Toney, Edward F., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Store front mounting. 2,475,682, July 12.
- Tonks, Lewi: *See*—
Hall, Robert N., Sharbaugh, and Tonks.
- Tonnelier, John E., New York, N. Y. Cable lubricator. 2,474,128, June 21.
- Tonneson, Paul, Brooklyn, N. Y. Refractory brick lined furnace wall. 2,463,217, Mar. 1.
- Ton-Text Corporation, assignee: *See*—
Ranville, Francis F.
- Tooke, James W., and E. Z. Lang, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Azeotropic distillation of C₄ acetylenes from butene-2. 2,465,047, Mar. 22.
- Tooley, James J., Asher, assignor of one-tenth to F. M. Keen, Shawnee, Okla. Motor wheel. 2,479,279, Aug. 16.
- Toorans, Milton, assignee: *See*—
Toorans, Samuel.
- Toorans, Samuel, Upper Darby, assignor of ninety-five per cent to M. Toorans, Lansdowne, Pa. Safety turnbuckle. 2,484,360, Oct. 11.
- Toorell, Sture: *See*—
Grip, Erik, and Toorell.
- Tootal Broadhurst Lee Company Limited, assignee: *See*—
Foulds, Robinson P., and Roscoe.
- Toots, Rodolfo P.: *See*—
Duggan, Alejandro H., Toots, and Dubois.
- Topham, Laurence E., Wenham, and E. W. Smith, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rounding machine. 2,473,621, June 21.
- Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Block-dividing reciprocating-saw wood-working machine. 2,475,683, July 12.
- Torcheux, Emile, Paris, France, assignor to Societe Francaise Radio Electrique. Radio direction finder. 2,475,412, July 5.
- Torka, Frank, assignor to W. J. Terry, Seattle, Wash. Metronome. 2,475,114, July 5.
- Torkelson, Arthur N., assignee: *See*—
Culver, Perrin C.
- Torkelson, Torkel E., Baldwin, N. Y., assignor to Associated Development & Research Corporation. Torque converter. 2,470,589, May 17.
- Tornado Manufacturing Company, Inc., assignee: *See*—
Penno, Glenn J.
- Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corporation, Lodi, N. J. Traverse feed control means. 2,461,855, Feb. 15.
- Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corporation, Lodi, N. J. Die mount for plastic extruders. 2,461,856, Feb. 15.
- Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corporation, Lodi, N. J. Automatic locking spindle. 2,461,857, Feb. 15.
- Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Box cover with fixture support. 2,467,639, Apr. 19.
- Tornblom, Nils A., assignor to Appleton Electric Company, Chicago, Ill. Cable clamp. 2,480,522, Aug. 30.
- Tornblom, Nils A., assignor to Appleton Electric Company, Chicago, Ill. Electrical connector. 2,490,286, Dec. 6.
- Tornek, Allen V., assignee: *See*—
Fiechter, Rene A.
- Tornquist, Earl L., Elmhurst, and W. S. Guyot, Lombard, Ill. Temperature indicator. 2,490,933, Dec. 13.
- Törnros, Eugen, assignor to Allmänna Svenska Elektriske Aktiebolaget, Vasteras, Sweden. Operating means for electrically driven textile machines. 2,482,443, Sept. 20.
- Toro Manufacturing Corporation of Minnesota, assignee: *See*—
McCartney, Elmer B.
- Torr, Thomas W., assignor to The Rudy Furnace Company, Dowagiac, Mich. Solid fuel burning water heater. 2,468,694, Apr. 26.
- Torrance, William: *See*—
Runbaken, Julian H., and Torrance.
- Torrance, William, Calgary, Alberta, Canada. Tire pressure alarm. 2,460,315, Feb. 1.
- Torrence, George W., and W. A. Calkins, Peoria, Ill. Card index of the rotary type. 2,453,657, Jan. 11.
- Torres, August S., Framingham, Mass. Roasting method. 2,464,421, Mar. 15.
- Torresen, Carl T., Santa Monica, Calif. Fastener. 2,488,103, Nov. 15.
- Torrey, Joseph, Jr.: *See*—
Haller, Albert, and Torrey, Jr.
- Torrey, Orrin O., Spokane, Wash. Adjustable seat bracket. 2,480,310, Aug. 30.
- Torrington Company, The, assignee: *See*—
Carullo, Paul A., and Brown.
- Torrington Manufacturing Company, The, assignee: *See*—
Hudak, Frank J.

- Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Beam aligning apparatus. 2,460,609, Feb. 1.
- Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Electron beam deflection control system. 2,470,197, May 17.
- Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Power conservation system. 2,477,557, July 26.
- Torstenon, Henry A., assignee: *See*—
Wandel, Oscar A.
- Tessas, Raymond J., New York, N. Y. Luminescent maraca. 2,459,555, Jan. 18.
- Tot Traveler Corporation, The, assignee: *See*—
Thompson, Clair P.
- Toth, Anthony and G., Detroit, Mich. Shield device. 2,469,531, May 10.
- Toth, Barnabas P., assignor to Barnaby Manufacturing and Tool Company, Bridgeport, Conn. Rotatable stop for metal-working machines. 2,465,558, Mar. 29.
- Toth, Barnabas P., assignor to Barnaby Manufacturing and Tool Company, Bridgeport, Conn. Bushing for tool-holders. 2,482,603, Sept. 20.
- Toth, Emerick: *See*—
Davis, Thomas McL., and Toth.
- Toth, Emerick, Takoma Park, Md., and G. H. Burbage, Washington, D. C. Vacuum tube socket. 2,472,131, June 7.
- Toth, Emerick, Cheverly, Md., and M. F. Davis, Washington, D. C. Cushioned stop for rotary members. 2,477,670, Aug. 2.
- Toth, George: *See*—
Toth, Anthony, and G.
- Toth, John J., Bridgeport, Conn. Foldable wheelbarrow. 2,471,462, May 31.
- Toti, Andrew J., and P. Princevalle, Modesto, Calif. Automatic fowl picker. 2,469,345, May 3.
- Totman, Harold L., Belleville, Wis. Self-sealing container. 2,469,989, Nov. 29.
- Touby, Louis, assignee: *See*—
Shufin, Frank H.
- Toulon, Pierre M. G., Neuilly-sur-Seine, France. Single-stage, high-gain amplifier. 2,471,252, May 24.
- Toulon, Pierre M. G., Neuilly sur Seine, assignor to Compagnie Francaise du Signum, Paris, France. Supervisory signaling device. 2,473,314, June 14.
- Toulon, Pierre M. G., Paris, France, assignor to Societe Generale de Machines et Brevets, Geneva, Switzerland. Electron ray scanning device. 2,467,786, Apr. 19.
- Toulon, Pierre M. G., Paris, France. Electroionic commutation system and its application, especially to the scanning in television. 2,474,338, June 28.
- Toulon, Pierre M. G., Puteaux, France. Signal distributing system. 2,471,253, May 24.
- Toulon, Pierre M. G., Puteaux, France. Discontinuous interlaced scanning system. 2,479,880, Aug. 23.
- Touraton, Emile: *See*—
Ahier, Georges, and Touraton.
- Touson, Isaac, Buenos Aires, Argentina. Knee joint for artificial legs. 2,466,134, Apr. 5.
- Toussaint, Maurice, Paris, France, assignor to Societe Francaise Radio Electrique. Alternating current synchronizing apparatus. 2,482,444, Sept. 20.
- Toussaint, Walter J.: *See*—
Quattlebaum, William M., Jr., and Toussaint.
- Touton, Rush D., Wynnewood, assignor to Wurton Machine Company, Philadelphia, Pa. Apparatus for curing green tobacco. 2,479,526, Aug. 16.
- Touton, Rush D., Wynnewood, assignor to Wurton Machine Company, Philadelphia, Pa. Undergrate air admission means for lateral feed solid fuel stokers. 2,483,946, Oct. 4.
- Towart, Archie, Jr., West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Pull box. 2,486,447, Nov. 1.
- Tower, Dell K., Millbrook, N. Y., and B. S. Beall, Upper Darby, Pa., assignors to General Electric Company. Arc extinguishing means for electric circuit breakers. 2,458,317, Jan. 4.
- Towers, Augustus R., Richmond, Va. Shaving implement. 2,461,858, Feb. 15.
- Towle, Edward T., Providence, R. I. Neck garment. 2,464,007, Mar. 8.
- Towle, Robert G., San Francisco, Calif. Drafting instrument for drawing ellipses. 2,470,328, May 17.
- Towle, Willard M., assignor to Midwest Laboratories, Inc., Chicago, Ill. Variable condenser. 2,476,930, July 19.
- Towler, Frank H.: *See*—
Towler, John M., and F. H.
- Towler, John M., Skipton, and F. H. Towler, Otley, England. Hydraulic system for unloading large capacity pumps. 2,475,413, July 5.
- Towler, John M., Harrogate, and F. H. Towler, Otley, England. Hydraulic system for unloading large capacity pumps. 2,475,414, July 5.
- Towler, John M., Harrogate, and F. H. Towler, Otley, assignors to Electroaule Presses Limited, Rodney, England. Unloading valve for hydraulic pumps. 2,478,213, Aug. 9.
- Towmotor Corporation, assignee: *See*—
Frischmann, Joseph A., and Herman.
Musgrave, Herman C.
Weaver, Elverton W.
- Towne, Benjamin, New York, N. Y. Educational game. 2,482,227, Sept. 20.
- Towne, Charles C., Beacon, assignor to The Texas Company, New York, N. Y. Fatty acid separation. 2,459,054, Jan. 11.
- Towne, Edmund B.: *See*—
Coover, Harry W., Dickey, and Towne.
Dickey, Joseph B., Loria, and Towne.
Hill, Hubert M., and Towne.
- Towne, George: *See*—
Rausch, John T., and Towne.
- Townend, Robert V.: *See*—
McCann, Harold G., and Townend.
- Towner, Charles E.: *See*—
Pierce, Joseph D., and Towner.
- Townes, Charles H., Chatham, and D. E. Wooldridge, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Computing circuit for determining bomb release points. 2,488,448, Nov. 15.
- Townes, E. E., assignee: *See*—
Humason, Granville A.
- Townley, Bernard R., North Plainfield, N. J. Automatic fire detecting device. 2,478,514, Aug. 9.
- Townley, Holden B.: *See*—
Resek, Marc, and Townley.
- Towns, Victor W. H.: *See*—
Godfrey, Charles J., and Towns.
- Townsend, Charles P., Abbeville, S. C. Process and apparatus for separation of electrically conducting material from nonconducting material. 2,468,472, Apr. 26.
- Townsend, George H., Laurel, N. Y. Fish lure. 2,476,006, July 12.
- Townsend, Maurice C., Hartford City, Ind. Watering fountain. 2,466,135, Apr. 5.
- Townsend, Maurice C., Hartford City, Ind. Closure equipped structure. 2,492,604, Dec. 27.
- Townsend, Roy C., La Crosse, Wis. Guide wheel suspension for road-rail vehicles. 2,482,564, Sept. 20.
- Townsend, Samuel P., Maplewood, N. J. Two-speed lawn mower. 2,474,764, June 28.
- Townsend, Sidney A., Bennettsville, S. C. Cotton-picking unit. 2,475,531, July 5.
- Townshend, John H., Wells, England. Stroboscope. 2,491,342, Dec. 13.
- Townslay, Malcolm G., Park Ridge, assignor to Bell & Howell Company, Chicago, Ill. Device for testing the eccentricity of optical elements. 2,478,609, Aug. 9.
- Townslay, Malcolm G., Park Ridge, assignor to Bell & Howell Company, Chicago, Ill. Optical system for projecting a plurality of images of one reticle or image source by means of a plurality of reflectors. 2,486,225, Oct. 25.
- Towt, Charles K., assignee: *See*—
Towt, Charles W.
- Towt, Charles W., assignor to C. K. Towt, Los Angeles, Calif. Air circulating device. 2,481,702, Sept. 13.
- Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Plasticizing agents comprising dialkyl phenylphosphonates and compositions containing the same. 2,471,463, May 31.
- Toy, Arthur D. F., Chicago, and T. M. Beck, Homewood, Ill., assignors to Victor Chemical Works. Preparing para nitrophenyl diethyl thionophosphate. 2,471,464, May 31.
- Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Producing aryl phosphorus oxydichloride. 2,482,810, Sept. 27.
- Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of alkenyl diesters of alkenylphosphonic acids with vinyl acetate. 2,485,677, Oct. 25.
- Toy Pop Corporation, The, assignee: *See*—
Barricini, Jack.
- Toy Enterprises of America, Inc., assignee: *See*—
Volman, Harold J.
- Toye, Irvin E., Omaha, Nebr. Crossarm lathe wrench. 2,471,593, May 31.
- Trachtenberg, Samuel, Cleveland, Ohio. Jewelry box. 2,461,787, Feb. 15.
- Trachtenberg, Samuel, Cleveland, Ohio. Horseshoe ring box. 2,464,161, Mar. 8.
- Trächslin, Gottlieb, Basel, Switzerland. Ice and snow skate. 2,469,798, May 10.
- Tracy, Albert H.: *See*—
Kistle, John P., Wilson, and Tracy.
- Tracy, Michael J., Robertson, Mo. Window operating mechanism. 2,492,508, Dec. 27.
- Traficante, Rocco A.: *See*—
Hollingsworth, George H., Buton, and Traficante.
- Traffic Transport Engineering, Inc., assignee: *See*—
Stuart, Clarence C.
- Trafton, Warren L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Furniture glide. 2,476,436, July 19.
- Trager, Margaret W., Los Angeles, Calif. Tampon. 2,487,200, Nov. 8.
- Trahin, John H., Beaumont, Tex. Reciprocating engine. 2,487,003, Nov. 1.
- Trall, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Combined friction and jaw clutch. 2,460,956, Feb. 8.
- Trail, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Transmission oil filter means. 2,462,819, Feb. 22.

- Trail, William: *See*—
Hargrett, Wilson W., Trail, Kureth, and Van Fleet.
- Trall, David: *See*—
Thomas, James E. L., and Trall.
- Trailmobile Company, The, assignee: *See*—
Black, James J.
- Trainor, Foster J., Holly Hill, Fla. Electric lamp and socket. 2,468,846, May 3.
- Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Snap action coupling device. 2,468,847, May 3.
- Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Snap action coupling device. 2,468,848, May 3.
- Trainor, Foster J., Holly Hill, Fla. Detachable coupling. 2,468,849, May 3.
- Trainer, James E., and S. W. Alderfer, assignors of one-half to The Firestone Tire & Rubber Company, and one-half to The Andrews-Alderfer Processing Co. Inc., Akron, Ohio. Fire extinguisher. 2,459,743, Jan. 18.
- Trame, Joseph A., Jr., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,470,004, May 10.
- Tramontini, Vernon N.: *See*—
Korsgren, Theodore Y., and Tramontini.
- Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater system. 2,471,846, May 31.
- Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Welding apparatus. 2,474,129, June 21.
- Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater control. 2,481,630, Sept. 13.
- Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater burner and ignition means therefor. 2,481,631, Sept. 13.
- Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater control system. 2,482,565, Sept. 20.
- Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Thermostatic switch. 2,488,748, Nov. 22.
- Trane Company, The, assignee: *See*—
Labus, Otto A.
Ringquist, Clarence L.
Ringquist, Clarence L., and Miner.
- Transit Freese, Inc., assignee: *See*—
Peckinpaugh, Thomas L.
- Transit Research Corporation, assignee: *See*—
Elliott, Edward.
Piron, Emil H.
Russell, William T.
- Trans-Lux Corporation, assignee: *See*—
Roth, Bert W., and Robertella.
- Transparent Boxes, Inc., assignee: *See*—
Butcher, Charles E.
- Transparent Package Company, assignee: *See*—
Heilbronner, Frank S.
Remer, Robert K.
- Transportation Specialties Co., assignee: *See*—
Johnston, Charles S.
- Trantin, Jacob, Jr., Youngstown, Ohio. Ferrous base alloy for piercer points. 2,478,723, Aug. 9.
- Trantin, Jacob, Jr., Youngstown, Ohio. Ferrous base alloy for piercer points. 2,478,724, Aug. 9.
- Traphagen, Peter C.: *See*—
Wieden, Herbert J., Traphagen, and Stoner.
- Trapp, George J., Leamington Spa, England. Recovering hard metal carbides from sintered masses. 2,485,175, Oct. 18.
- Trask, Allen, Chicago, Ill. Dimming lamp. 2,478,343, Aug. 9.
- Trask, Allen, Chicago, Ill. Air conditioning apparatus. 2,486,226, Oct. 25.
- Trask, Harold V.: *See*—
Matson, Amel E., and Trask.
- Tratsch, Walter A., Chicago, Ill. Ratchet-operating means. 2,459,008, Jan. 11.
- Tratsch, Walter A., assignor to C. E. Threedy, Chicago, Ill., trustee. Shooting gallery. 2,461,788, Feb. 15.
- Tratsch, Walter A., assignor to C. E. Threedy, Chicago, Ill., as trustee. Air gun. 2,466,513, Apr. 5.
- Trattner, Henry, assignee: *See*—
Rosenblum, Jacob.
- Traub, Ernest H., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Skewed Schmidt television projector with directive screen. 2,466,338, Apr. 5.
- Traub, Ernest H., assignor to Philco Corporation, Philadelphia, Pa. Image forming projection with Schmidt-type optical system. 2,470,198, May 17.
- Traub, Ernest H., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Image-projection optical system with cylindrical screen and stop means. 2,482,566, Sept. 20.
- Traub, Ernest H., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Optical projection system having apertured concave image forming mirror. 2,489,835, Nov. 29.
- Traum, David: *See*—
McKinley, Theresa M., and Traum.
- Traum, David, Company, Incorporated, assignee: *See*—
Booth, Herbert G.
- Traumuller, William O., Teaneck Township, Bergen County, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Motion for warp knitting machines. 2,482,811, Sept. 27.
- Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,460,610, Feb. 1.
- Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Auxiliary make-up circuit for gas turbine plants. 2,467,167, Apr. 12.
- Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. High-temperature turbomachine. 2,467,168, Apr. 12.
- Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,478,851, Aug. 9.
- Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Apparatus for operating gas turbine plants with high-pressure and low-pressure turbines. 2,485,023, Oct. 18.
- Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Variable load gas turbine system. 2,489,939, Nov. 29.
- Trautman, Charles E., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Organosilicon-phosphorus condensation products. 2,488,449, Nov. 15.
- Trautman, Walter C., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,460,774, Feb. 1.
- Trautman, Walter C., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic system. 2,467,508, Apr. 19.
- Trautman, Walter C., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic system. 2,467,509, Apr. 19.
- Travers, John T., deceased, Columbus, Ohio, by M. E. McDonald, administratrix, Columbus, Ohio. Apparatus for purifying sewage and industrial wastes. 2,486,691, Nov. 1.
- Travers, William J., Jr., assignor to Richfield Oil Corporation, Los Angeles, Calif. Island for well drilling. 2,472,869, June 14.
- Traverso, Joe M., Madrone, Calif. Prune picker. 2,482,383, Sept. 20.
- Travilla, James C., Jr., Moylan, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck with lateral motion. 2,492,337, Dec. 27.
- Travis, Albert C., New York, N. Y., assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Drier. 2,463,218, Mar. 1.
- Travis, Charles, deceased, late of Wyndmoor, Pa., by Y. Travis, administratrix, Wyndmoor, Pa., assignor to Radio Corporation of America, New York, N. Y. Automatic frequency control system. 2,467,345, Apr. 12.
- Travis Colloid Dispersion Co., Inc., assignee: *See*—
Travis, Pierce M., and Tudor.
- Travis, Don C., assignor to The Simmons Company, Kenosha, Wis. Hospital bed side guard. 2,478,028, Aug. 2.
- Travis, Frank H. and J., Jr., Pawtucket, R. I. Industrial fluorescent lamp fixture. 2,477,911, Aug. 2.
- Travis, James, Jr.: *See*—
Travis, Frank H. and J.
- Travis, Marion C.: *See*—
McGowen, Frank, and Travis.
- Travis, Pierce M., Ridgewood, and M. K. Tudor, assignors to Travis Colloid Dispersion Co., Inc., Clifton, N. J. Centrifugal homogenizer. 2,491,231, Dec. 13.
- Travis, Yvonne, administratrix: *See*—
Travis, Charles.
- Traxler, Lee E., Niles, Mich. Holder for electric flat-irons. 2,486,448, Nov. 1.
- Traylor Engineering & Manufacturing Company, assignee: *See*—
Mertz, Fred A.
- Traylor Engineering & Manufacturing Company: *See*—
Walker, Robert S.
- Traylor, Samuel W., Jr., Allentown, Pa. Jaw crusher. 2,464,732, Mar. 15.
- Traylor, Samuel W., Jr., Allentown, Pa. Multiple stage roller pulverizer. 2,464,733, Mar. 15.
- Traylor, Samuel W., Jr., Allentown, Pa. Gas turbine. 2,479,143, Aug. 16.
- Traylor, Samuel W., Jr., Allentown, Pa. Gyrotory crusher with displaceable shaft for relieving excessive crushing strains. 2,481,261, Sept. 6.
- Traylor, Samuel W., Jr., Allentown, Pa. Gyrotory crusher with lubricated dust seal. 2,484,971, Oct. 18.
- Treace, Harry T., assignor to Orthopedic Frame Company, Kalamazoo, Mich. Surgical table. 2,459,729, Jan. 18.
- Treadway, Robert H., Wyndmoor, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Esters of methacrylic acid. 2,492,203, Dec. 27.
- Treadwell Construction Company, assignee: *See*—
Chalmers, David B.
- Treadwell, Peter: *See*—
Isler, Otto, Guex, and Treadwell.
- Treaster, Thomas, San Francisco, Calif. Flooring jack. 2,489,990, Nov. 29.
- Trebert, Henry L., Jr., Canandaigua, N. Y. Universal woodworking machine table. 2,471,014, May 24.
- Trebes, Bruno M. A.: *See*—
Adair, Frank M., Brunner and Trebes.

- Trebley, Henning A., Baltimore, Md., assignor, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Continuous automatic sampling of liquids in proportion to the flow. 2,476,163, July 12.
- Trecek, Louis, assignor to The Celon Company, Madison, Wis. Article holder and container. 2,477,274, July 26.
- Treciokas, Jacob P., Oakville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Machine for forming and joining snap fastener tapes. 2,461,944, Feb. 15.
- Treciokas, Jacob P., Oakville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Feed mechanism for fastener setting machines. 2,477,100, July 26.
- Treciokas, Jacob P., Oakville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Device for gauging the setting of fastener elements on tapes. 2,477,101, July 26.
- Tree, Charles, Racine, Wis. Universal milling head. 2,491,940, Dec. 20.
- Tre-Fold Products, Inc., assignee: *See*—
Starr, Philip D.
- Trefz, Otto F., Philadelphia, Pa. Machinist's universal vise. 2,471,361, May 24.
- Treiman, Morris, assignor to Allied Plastics Company, Los Angeles, Calif. Garment hanger. 2,460,438, Feb. 1.
- Treiss, Herman G., Jr., Brooklyn, assignor to Associated Development and Research Corporation, New York, N. Y. Combined liquid dispenser, ice crusher, and drink mixer. 2,484,391, Oct. 11.
- Trelfa, Richard T.: *See*—
Eberl, James J., and Trelfa.
Erkko, Eero O., and Trelfa.
- Treloar, Lester D., Fort Dodge, Iowa. Barbecue oven. 2,492,021, Dec. 20.
- Tremaine, Breckenridge K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cleaning composition for rust-stained lacquered surfaces. 2,462,341, Feb. 22.
- Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary swivel. 2,459,472, Jan. 18.
- Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Hydraulic brake with auxiliary safety device. 2,464,469, Mar. 15.
- Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Automatic wash pipe oiler for rotary swivels. 2,470,960, May 24.
- Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Packing cartridge. 2,485,940, Oct. 25.
- Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary swivel having improved means for relieving pressure on the packing. 2,487,905, Nov. 15.
- Trenkamp, Willibald: *See*—
Leonard, John, and Trenkamp.
- Trenner, Nelson R., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Catalytic oxidation of sorbose derivatives. 2,483,251, Sept. 27.
- Trenner, Nelson R., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Isopenillic acid G and preparing the same. 2,489,167, Nov. 22.
- Trenor, Albert D., assignor to J. H. Hammond, Jr., Gloucester, Mass. Control system. 2,475,863, July 12.
- Trent, Horace M., and T. F. Jones, Alexandria, Va. Echo ranging and listening gear. 2,460,316, Feb. 1.
- Trepagnier, Joseph H.: *See*—
Sturgis, Bernard M., and Trepagnier.
- Trepagnier, Joseph H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Improving the millability of butadienestyrene interpolymers. 2,463,219, Mar. 1.
- Trepp, Samuel G., Dedham, assignor to Bird & Son, Inc., East Walpole, Mass. Removable floor or wall covering. 2,458,750, Jan. 11.
- Treptow, Arnold W.: *See*—
Christensen, Carl J., Rigterink, and Treptow.
- Treseder, Robert C., Dayton, Ohio. Electronic synchronizer. 2,482,812, Sept. 27.
- Tresidder, Herbert E., Royal Oak, Mich. Work holder for grinding profiles. 2,480,618, Aug. 30.
- Tresner, Bernard G., assignor to Tresner & Son, Tacoma, Wash. Heating tank for use in cutting safety glass. 2,476,569, July 19.
- Tresner & Son, assignee: *See*—
Tresner, Bernard G.
- Tressler, Donald K., Westport, Conn. Making a tea extract. 2,476,072, July 12.
- Tretheway, William J., Henderson, Nev., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Ingot scalping machine. 2,466,187, Apr. 5.
- Treuting, Frank L., assignor to H. R. Treuting, Sr., Newark, N. J. Articulate figure. 2,459,100, Jan. 11.
- Treuting, Herbert R., Sr., assignee: *See*—
Treuting, Frank L.
- Trevaskis, Henry, Solihull, Birmingham, assignor to Dunlop Rubber Company, Limited, London, England. Aircraft brake system. 2,463,069, Mar. 1.
- Trevena, Arthur, Olton, Birmingham, assignor to J. Brockhouse & Company, Limited, West Bromwich, England. Lathe or other turning machines. 2,487,994, Nov. 15.
- Trevitt, John H.: *See*—
Roberts, Frederick W., and Trevitt.
- Trevitt, John H., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Mechanical governor. 2,477,102, July 26.
- Trevor, Bertram: *See*—
Atwood, John B., and Trevor.
- Trevor, John B., Jr., Clinton, Md. Voltage multiplier. 2,470,118, May 17.
- Trevorrow, William D., Hometown, Pa., assignor to Atlas Powder Company, Wilmington, Del. Ignition composition. 2,484,131, Oct. 11.
- Trevorrow, William D., Hometown, Pa., assignor to Atlas Powder Company, Wilmington, Del. Ignition composition. 2,487,906, Nov. 15.
- Trew, James W.: *See*—
Wallace, George W., and Trew.
- Trey, Serge, Beachhurst, N. Y. Airplane with wing jet slot. 2,478,725, Aug. 9.
- Trey, Serge, Beachhurst, N. Y. Airplane wing. 2,478,726, Aug. 9.
- Trey, Serge, Beachhurst, N. Y. Airship. 2,478,792, Aug. 9.
- Trey, Serge, Beachhurst, N. Y. Variable camber airfoil. 2,478,793, Aug. 9.
- Triangle Engineering Products Co., assignee: *See*—
De la Parra, Ernesto C.
- Triangle Package Machinery Company, assignee: *See*—
Muskat, Louis R.
- Triangle Publications, Inc., assignee: *See*—
Schultz, Oswald R., Nestle, and Romano.
- Tribble, William H., East Moriches, assignor to Faximile, Inc., New York, N. Y. Raised helix for facsimile apparatus. 2,480,890, Sept. 6.
- Tribble, William H., East Moriches, assignor to Faximile, Inc., New York, N. Y. Facsimile recorder. 2,485,678, Oct. 25.
- Tribune Company, assignee: *See*—
Wolf, Otto R.
- Trickey, Philip H., North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dual capacitor motor. 2,464,756, Mar. 15.
- Trickey, Philip H., North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dual-voltage dual speed capacitor motor. 2,474,195, June 21.
- Trickey, Philip H., North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Two-value capacitor motor. 2,476,073, July 12.
- Tri-Clover Machine Co., assignee: *See*—
Bastrup, Kay L.
Foulke, Edgar J.
Hinrichs, Ferdinand.
- Trico Products Corporation, assignee: *See*—
Bitzer, Martin.
Hess, Willis C.
Horton, Erwin C., and Schaal.
Paulus, William, and Schaal.
Rappl, Anton.
Schaal, Earl V.
Scinta, Anthony C.
- Trig Corporation, assignee: *See*—
Graham, Philip J.
- Trigg, Hastings S., and H. D. Norris, Woodbury, and R. V. White, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Antitrust agent. 2,490,744, Dec. 6.
- Trillat, Joseph A.: *See*—
Mouchiroud, Antoine F. G., and Trillat.
- Triller, Benjamin J., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Cabinet construction. 2,466,869, Apr. 12.
- Triller, David P., Indianapolis, Ind., assignor to Radio Corporation of America. Adjustable optical unit for sound motion-picture apparatus. 2,465,945, Mar. 29.
- Trilling, David M., Merlon, and G. H. Rich, assignors to Trilling and Montague, Philadelphia, Pa. Electric heating unit. 2,458,225, Jan. 4.
- Trilling and Montague, assignee: *See*—
Trilling, David M., and Rich.
- Trimarchi, Joseph, and L. Pezza, New York, N. Y. Adjustable blind and curtain support. 2,490,890, Dec. 13.
- Trimble, John D., Houston, Tex. Conveyor and feeder apparatus for fabrics. 2,488,694, Nov. 22.
- Trimble Nurseryland Furniture, Inc., assignee: *See*—
De Puy, Charles T., and Baxter.
- Trimble, Robert A.: *See*—
Moore, Robert J., and Trimble.
- Trimble, Roy L., assignor to Bloomington Manufacturing and Engineering Co., Inc., Bloomington, Ill. Automatic restaurant equipment. 2,489,732, Nov. 29.
- Trimfoot Company, assignee: *See*—
Gardner, Herbert S.
- Trimmer, James W.: *See*—
Lake, Francis G., and Trimmer.
- Trimmer, Russell S., Compton, Calif. Retractable golf bag cart. 2,470,272, May 17.
- Trinko, Victoria, Downers Grove, Ill. Complete cigarette case. 2,474,173, June 21.
- Triplett Electrical Instrument Company, The, assignee: *See*—
Lingel, Frederick J.
- Triplett, William F., Grand Junction, Colo. Reversing gear for locomotives. 2,479,794, Aug. 23.

- Tripp, Leonard W.: *See*—
Johnson, Philip H.
Johnson, Philip H., and Tripp.
- Trishman, Harry A.: *See*—
Johnson, Wade C., Trishman, and Stratton.
- Trisler, Milton A.: *See*—
Dolza, John, Trisler, and Paton.
- Trisler, Milton A., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine fuel system or other fluid transfer systems. 2,463,828, Mar. 8.
- Tri-State Engineering Company, assignee: *See*—
Arthur, Oscar F., and Fletcher.
Coit, Burton C., Jr.
- Triulzi, Joseph P., Los Angeles, Calif. Barbecue spit. 2,486,345, Oct. 25.
- Triumph Laboratories, Inc., assignee: *See*—
Sheldon, Butler, Jr.
- Trivelli, Adrian P. H.: *See*—
Smith, William F., and Trivelli.
- Troccoli, Frank P., Watertown, Mass. Golfer's glove. 2,465,136, Mar. 22.
- Troell, Roy E.: *See*—
Rubel, John H., and Troell.
- Troendle, William C.: *See*—
Reese, John, and Troendle.
- Troendle, William C., assignor to Thayer Company, Gardner, Mass. Steerable infant's carriage. 2,471,985, May 31.
- Trofimov, Lev A., Willoughby, Ohio. Speed controlled power unit and transmission. 2,464,275, Mar. 15.
- Trofimov, Lev A., Willoughby, Ohio. Variable-speed power transmission. 2,476,266, July 12.
- Trogman, William, Chicago, Ill. Box and package handle. 2,458,883, Jan. 11.
- Trogner, Arthur M., East Stroudsburg, Pa., assignor to Line Material Company, Milwaukee, Wis. Operating mechanism for electrical switches. 2,462,342, Feb. 22.
- Trojan Powder Company, assignee: *See*—
Wyer, Joseph A.
- Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Two-piece plastic loose-leaf memorandum sheet holder. 2,462,789, Feb. 22.
- Troller, Theodor H., and C. P. Jenkins, New Philadelphia, Ohio, assignors, by mesne assignments, to Joy Manufacturing Company. Fan and motor support. 2,488,945, Nov. 22.
- Trombley, Roy, Presque Isle, Maine. Hoisting device. 2,461,401, Feb. 8.
- Tromp, Klaas F., assignor of three-fourths to Domaniale Mijn-Maatschappij N. V., Kerkrade, Netherlands. Gravity liquid separator. 2,458,035, Jan. 4.
- Trompeter, David, Sandy Hook, Conn. Electric current theft prevention means. 2,460,553, Feb. 1.
- Trompeter, David, Sandy Hook, Conn. Lamp. 2,472,632, June 7.
- Trompeter, David, Sandy Hook, Conn. Valve for dispensers. 2,481,262, Sept. 6.
- Tropical Plantations Limited, assignee: *See*—
Hitchcock, Stanley I.
- Trorey, Lyle G., Vancouver, British Columbia, assignor to Minister of National Defence, Ottawa, Ontario, Canada. Photogrammetric apparatus having light dividing viewer. 2,465,617, Mar. 29.
- Trosper, Clinton, Topeka, Kans. Indexing means for fabric length markers. 2,478,139, Aug. 2.
- Trott, Winfield J., assignor to General Motors Corporation, Detroit, Mich. Percussive welding. 2,485,790, Oct. 25.
- Trotta, Canio B., Newark, N. J. Step-by-step slide operated paste tube squeezer. 2,489,940, Nov. 29.
- Trotta, Mike: *See*—
Kordish, John J., and Trotta.
- Trotter, Harry D., Kansas City, Kans., assignor to Phillips Petroleum Company. Method and apparatus for catalytic conversion of hydrocarbons. 2,487,743, Nov. 8.
- Trottmann, Constant, Versailles, France. Extraction of cotton seed oil. 2,489,599, Nov. 29.
- Troupe, Donald F.: *See*—
Young, Cyril C.
- Trout, Norwood S., Jr.: *See*—
Dickey, John W., and Trout, Jr.
- Troutman, Lester L., El Monte, Calif. Self-loading automotive truck. 2,459,473, Jan. 18.
- Troutman Shirt Company, assignee: *See*—
Brown, Holwin T.
- Trowbridge, Charles A., Roxborough, assignor, by mesne assignments, to Ontario Research Corporation, Philadelphia, Pa. Radio antenna. 2,482,567, Sept. 20.
- Troxel Manufacturing Company, The, assignee: *See*—
Kalter, Harold E.
- Troxler, Charles G., Canton, assignor to The Hoover Company, North Canton, Ohio. Plastic fan for suction cleaners. 2,486,619, Nov. 1.
- Troy, Ellen, New York, N. Y. Ornamentation. 2,458,493, Jan. 4.
- Troy Sunshade Company, The, assignee: *See*—
Daniel, Walter.
Richardson, Harry C.
- Trubenbach, Walter, East Orange, N. J. Air cleaning apparatus. 2,467,346, Apr. 12.
- Trubenized Limited, assignee: *See*—
Bihaly, Lajos.
- Trubenizing Process Corporation, assignee: *See*—
Eddy, Arnold.
- Truby, Harry A., Jr.: *See*—
Bludworth, Joseph E., Robeson, and Truby.
- Truckenmiller, Lyman A., Sonora, assignor of sixty per cent to Douglas Pincock, Santa Barbara, Calif. Wrist watch strap. 2,469,532, May 10.
- Trucksess, David E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulated current supply apparatus. 2,467,347, Apr. 12.
- Trucksess, David E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,468,850, May 3.
- Trucksess, David E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rectifying apparatus. 2,488,350, Nov. 15.
- True, Edwin S., Oak Park, assignor of one-half to J. Waitcus, Chicago, Ill. Power conversion system and apparatus. 2,479,705, Aug. 23.
- True, Oscar D.: *See*—
Conley, Joseph T., and True.
- True, William A., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,468,141, Apr. 26.
- Truelsen, James T.: *See*—
Miller, Joshua, Kauffman, and Truelsen.
- Truesdale, Edward C., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Copper coating iron particles. 2,483,075, Sept. 27.
- Truesdell, Francis W.: *See*—
Ridgley, Charles H., Andersen, and Truesdell.
- Truesdell, Norman A., Scarborough Bluffs, Ontario, Canada. Antitheft lock for automobiles. 2,471,293, May 24.
- Truhlar, John, Clarendon Hills, and A. A. Pantisios, Chicago, assignors to R. F. Hlavaty, Cicero, Ill. Flame-proofing. 2,461,302, Feb. 8.
- Truhlar, John, Clarendon Hills, and A. A. Pantisios, Chicago, assignors to R. F. Hlavaty, Cicero, Ill. Fire-proofing composition. 2,480,790, Aug. 30.
- Trull, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Production of polymeric vinylidene chloride film. 2,488,571, Nov. 22.
- Trumbull Electric Manufacturing Company, The, assignee: *See*—
Carlson, Elmer T.
Hammerly, Herman J.
Hammerly, Herman J., and Salomone.
Rowe, Raymond N.
- Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Developing machine with proportional gas and paper feeds. 2,475,165, July 5.
- Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Print stacking means for printing machines. 2,478,850, Aug. 9.
- Trump, John G., Winchester, and R. W. Cloud, Lexington, Mass., assignors to Research Corporation, New York, N. Y. Laminated envelope structure for electron discharge devices. 2,460,201, Jan. 25.
- Trumpler, Paul R., Westfield, assignor, to The M. W. Kellogg Company, Jersey City, N. J. Gas separation including impurity removing steps. 2,460,859, Feb. 8.
- Trumpler, William E., assignor to Clark Bros. Co., Inc., Olean, N. Y. Centrifugal compressor stability means. 2,471,174, May 24.
- Trumpler, William E., Olean, assignor to Carrier Corporation, Syracuse, N. Y. Compressor with interchangeable stage elements. 2,474,077, June 21.
- Trumpour, James N., assignee: *See*—
Jackson, James G.
- Trundle, Alwyne L., assignee: *See*—
Bailey, W. Charles, and Noel.
- Trusty, Von Aldo, Dayton, Ohio. Shoe spike. 2,481,703, Sept. 13.
- Truswell, Harry, St. John, New Brunswick, Canada. Tying device. 2,473,622, June 21.
- Truth Tool Company, assignee: *See*—
Cowden, Raymond L.
- Truxell, Andrew J., Washington, D. C. Attaching means for watches. 2,461,095, Feb. 8.
- Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Plasticized elastomer compositions. 2,463,829, Mar. 8.
- Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Plasticized elastomer compositions containing n-(hydroxyalkyl)-amides and their fatty acid esters. 2,474,793, June 28.
- Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing hydroxylammonium salts of organic acids. 2,483,252, Sept. 27.
- Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Arrangement for changing over the speaking direction in loud-speaker duplex systems. 2,460,475, Feb. 1.
- Tschumi, Otto, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland. Receiver-connection in electroacoustic duplex system. 2,461,945, Feb. 15.
- Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Remote-controlled automatic telephone for loud traffic. 2,470,590, May 17.

- Tschumi, Otto, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland. Voice-controlled two-way communication system. 2,477,275, July 26.
- Tsuchiya, Henry M., and J. M. Van Lenen, Peoria, Ill., and A. F. Langlykke, New Brunswick, N. J., assignors to The United States of America as represented by the Secretary of Agriculture. Fermentation process. 2,481,263, Sept. 6.
- Tubbs, Ernest A., Woodside, N. Y., assignor to Ferris Instrument Laboratories, Boonton, N. J. Vibratory direct current to alternating current converter. 2,476,931, July 19.
- Tubbs, Ernest A., Woodside, N. Y., assignor to Ferris Instrument Laboratories, Boonton, N. J. High-frequency leakage suppressing connection. 2,480,523, Aug. 30.
- Tubbs, Irl I., Mount Vernon, assignor, by mesne assignments, to A. H. McIntyre, Cedar Rapids, Iowa, as trustee, and her successor trustees. Clevis pin. 2,471,175, May 24.
- Tubbs, Lester G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction regulator. 2,465,298, Mar. 22.
- Tubbs, Lester G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage regulating system. 2,482,522, Sept. 20.
- Tubbs, Orville M., assignor to Inland Wire Products Company, Chicago, Ill. Wire stitching apparatus and control mechanism. 2,489,207, Nov. 22.
- Tube Turns, Inc., assignee: *See*—Bennett, Edward.
- Tubular Rivet and Stud Company, assignee: *See*—Doyle, Thomas J.
- Tuck, Charles W., Comber, Ontario, Canada. Combined comb and shears. 2,489,168, Nov. 22.
- Tuck, Davis H., Redding Ridge, Conn., assignor to Holophane Company, Inc., New York, N. Y. Airplane engine test cell and lighting therefor. 2,460,045, Jan. 25.
- Tucker, Arthur C., Fort Worth, Tex. Traveling case having divided fabric cover and extensible support for garment hangers. 2,476,932, July 19.
- Tucker Corporation, The, assignee: *See*—Lyman, Kenneth E.
Tucker, Preston T.
- Tucker, Daniel F., and H. R. Tyler, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning device for conveyer elements of chemical drying apparatus. 2,491,401, Dec. 13.
- Tucker, Eli J., Jr., Houston, Tex. Bone bank and preserving bones for transplantation. 2,485,791, Oct. 25.
- Tucker, Harry W., Long Branch, N. J. Automobile pocket. 2,481,178, Sept. 6.
- Tucker, John W., Peotone, assignor to Hopax Industries, Inc., Chicago, Ill. Thermostatic switch. 2,458,807, Jan. 11.
- Tucker, Norman A., London, England, assignor to P. R. Mallory & Co., Inc. Resistance welding electrode and holder. 2,475,209, July 5.
- Tucker, Norman A., London, England, assignor to P. R. Mallory & Co., Inc. Welding electrode holder. 2,489,992, Nov. 29.
- Tucker, Norman A., and J. E. Wall, assignors to Johnson, Matthey & Company Limited, London, England. Welding metallic tips to bases. 2,489,994, Nov. 29.
- Tucker, Preston T., Ypsilanti, Mich., assignor to The Tucker Corporation, Chicago, Ill. Steering wheel mounted instrument panel. 2,465,825, Mar. 29.
- Tucker, Samuel M., Jackson, Miss. Pulse echo receiver with regenerative feedback. 2,487,995, Nov. 15.
- Tucker, Warren R.: *See*—Ernst, Walter, and Tucker.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic operating circuit for machine tools. 2,459,902, Jan. 25.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic control system for variable delivery pumps. 2,474,174, June 21.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Molding machine. 2,479,433, Aug. 16.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Valve. 2,484,916, Oct. 18.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic booster. 2,486,079, Oct. 25.
- Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic system. 2,491,402, Dec. 13.
- Tucker, Warren R., and J. A. Muller, Dayton, Ohio, assignors to H-P-M Development Corporation. Hydraulic axial vane pump or motor. 2,466,622, Apr. 5.
- Tucker, Warren R., and R. W. Dieterich, Dayton, assignors to H-P-M Development Corporation, Mount Gilead, Ohio. Hydraulic axial vane pump or motor. 2,466,623, Apr. 5.
- Tucker, William, High Point, N. C. Hand dump truck. 2,476,782, July 19.
- Tucker, William H., Columbus, Ohio. Trick playing card assembly. 2,486,449, Nov. 1.
- Tucker, William H., assignor to Tucker's, Inc., Marion, Kans. Dirt elevator attachment. 2,489,991, Nov. 29.
- Tucker's, Inc., assignee: *See*—Tucker, William H.
- Tudor, Michael K.: *See*—Travis, Pierce M., and Tudor.
- Tudor, Thomas J., Ulysses, Kans. Insulated pipe-line union for electrolysis control. 2,465,669, Mar. 29.
- Tuerck, Karl H. W.: *See*—Duval, Bruce, Elce, and Tuerck.
- Tuerk, Paul F., Indianapolis, Ind. Truck cover canvas connection. 2,479,280, Aug. 16.
- Tufford, Robert D.: *See*—Pfa, Leo D., Tufford, and Mayer.
- Tuft, Miles H., Huntington Park, Calif., assignor to Deere Manufacturing Co. Wire dispensing container. 2,458,318, Jan. 4.
- Tuft, Miles H., Lancaster, Calif., assignor by mesne assignments, to Deere Manufacturing Co. Rotary feed cutter with shear bar arranged on a chord. 2,457,951, Jan. 4.
- Tulagin, Vsevolod: *See*—Schmidt, Willy A., and Tulagin.
- Tulagin, Vsevolod, Phillipsburg, N. J., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York. 2-naphthyl J-acid and the urethanes thereof as color formers. 2,480,815, Aug. 30.
- Tullar, Benjamin F., East Greenbush, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Preparation of lower alkyl (lower aliphatic acyl) aminocyanacetates. 2,487,004, Nov. 1.
- Tuller, Albert: *See*—Tuller, John and A.
- Tuller, John, Stratford, and A. Tuller, Bridgeport, Conn. Air pressure signaling device for molding apparatus. 2,492,449, Dec. 27.
- Tuller, William G., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical protective device. 2,466,136, Apr. 5.
- Tuller, William G., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Coupling between transmitter and wave guide system. 2,473,834, June 21.
- Tullgren, Lester C., Minneapolis, Minn., and J. Bonkiewicz, Jr., Lodgepole, Nebr. Rubber oil can. 2,482,384, Sept. 20.
- Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Vaporizing unit for retort burners. 2,463,830, Mar. 8.
- Tullis, Boyd W., assignor to The Coleman Company, Inc., Wichita, Kans. Portable stove. 2,469,185, May 3.
- Tullis, Boyd W., assignor to The Coleman Company, Inc., Wichita, Kans. Utility stove and burner assembly therefor. 2,491,430, Dec. 13.
- Tully, Charles F., San Diego, Calif. Anatomical articulator with condyle adjustment. 2,465,618, Mar. 29.
- Tully, John P., Bellerose, assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y. Produce counter. 2,474,130, June 21.
- Tulowiecki, William G., Buffalo, N. Y. Combined searchlight and boat running light. 2,464,734, Mar. 15.
- Tulowiecki, William G., Buffalo, N. Y. Combined carrying case and stand therefor. 2,481,264, Sept. 6.
- Tung-Sol Lamp Works, Inc., assignee: *See*—Atkins, Carl E.
Atkins, Carl E., and Mitchell, Bender, Harry, and Voorhis.
Braunsdorff, Reginald K.
Curtis, Lorin W.
Sitzer, Philip.
Weichardt, Heinz H.
- Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Frequency modulation reception. 2,488,612, Nov. 22.
- Tunley, Allan A., assignor to Baker Perkins Limited, Peterborough, England. Transport of goods from a chocolate coating or like machine to a cooler. 2,488,104, Nov. 15.
- Tuomy, Justin M.: *See*—Slotter, Richard L., and Tuomy.
- Tuplin, William A.: *See*—Sykes, Arthur, and Tuplin.
- Tupper, Earl S., Upton, Mass. Open mouth container and nonsnap type of closure therefor. 2,487,400, Nov. 8.
- Turbo Engineering Corporation, assignee: *See*—Birmann, Rudolph.
Heinz, Winfield B., Kittredge, and Williams.
- Turck, Roland, assignee: *See*—Eastman, Harold G.
- Turco Products, Inc., assignee: *See*—Holman, Emmette R.
- Turcotte, Joseph, assignor to Union Screen Plate Co. of Canada Ltd., Lennoxville, Quebec, Canada. Detachable wear member for tension devices. 2,480,344, Aug. 30.
- Turek, James R.: *See*—Zinkil, Roy H., Frederickson, and Turek.
- Turenchalk, Harry: *See*—Turenchalk, John and H.
- Turenchalk, John and H., Yonkers, N. Y. Dental floss holder. 2,463,660, Mar. 8.
- Turgeon, Edmond: The Thompsonville Trust Company, Thompsonville, Conn., executor of said E. Turgeon, deceased, assignor to P. L. Putriment, Enfield, Conn., and E. F. Saletnik, Springfield, Mass. Rotary impact type screw driver. 2,484,765, Oct. 11.
- Turini, John A., Cranston, R. I. Making buckles. 2,481,179, Sept. 6.

- Turini, John A., Cranston, R. I. Buckle assembly machine. 2,481,180, Sept. 6.
- Turini, John A., Cranston, R. I. Buckle assembling device. 2,488,352, Nov. 15.
- Turk, Amos, Mount Lebanon, Pa., assignor of fifty per cent to P. D. Boone, Washington, D. C. Oxidized olefin liquids. 2,469,059, May 3.
- Turk, Karl, Riderwood, Md. Production of thermoplastic inorganic compositions. 2,475,651, July 12.
- Turkowski, Walter, Hollywood, Ill. Motor-driven filing mechanism. 2,488,998, Nov. 22.
- Turl Iron and Car Company, Inc., The, assignee: See—Stafford, John W.
- Turnbull, Frederick M., assignee: See—Hamilton, William F.
- Turnbull, Frederick W., George, and Simon. Hamilton, William F., Vienna, Va. Adjustable pitch propeller. 2,487,836, Nov. 15.
- Turnbull, Glen O., Rock Island, Ill., assignor to International Harvester Company. Supporting strut. 2,458,808, Jan. 11.
- Turnbull, Glen O., Rock Island, Ill., assignor to International Harvester Company. Hitch construction for trailing grain receptacles. 2,491,232, Dec. 13.
- Turnbull, William J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Ammunition conveying system. 2,464,905, Mar. 22.
- Turner, Alfred H.: See—Gehman, John B., and Turner.
- Turner, Alonzo R., Oregon, Wis. Cover lift hinge. 2,483,947, Oct. 4.
- Turner, Arch P., San Antonio, Tex. Machine for molding concrete blocks. 2,466,339, Apr. 5.
- Turner, Arthur C., Chilhowee, Mo. Method and apparatus for vaporizing liquefied petroleum gas. 2,459,974, Jan. 25.
- Turner, Cameron, Beverly, Mass. Chair. 2,487,907, Nov. 15.
- Turner, Charles C., assignor of one-half to G. S. Aldhiser, II, Broadway, Va. Humane tail set. 2,484,766, Oct. 11.
- Turner, Charles H., Yeadon, England. Cloth or piece feeding device for textile and other machinery. 2,481,369, Sept. 6.
- Turner, Charles W., and E. P. Reineke, Columbia, assignors to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Process for producing synthetic thyroprotein. 2,478,065, Aug. 2.
- Turner, Dennis R., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrolytic polishing process. 2,473,923, June 21.
- Turner, Dewey O., Ava, Mo., assignor of one tenth to Goodman Manufacturing Company, Chicago, Ill. Machine for mucking vertical shafts. 2,479,651, Aug. 23.
- Turner, Edgar P.: See—Happe, Reynold, and Turner.
- Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrical transmitter for driving sewing machines and the like. 2,461,504, Feb. 8.
- Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Proportional pulse signaling device. 2,464,757, Mar. 15.
- Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dynamolectric machine. 2,478,551, Aug. 9.
- Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Connector for vacuum cleaner dust bags. 2,492,122, Dec. 20.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Interchange of electrical and acoustical energy. 2,473,835, June 21.
- Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Raytheon Manufacturing Company. System for echo ranging. 2,475,363, July 5.
- Turner, Frank F., Grey Eagle, Minn. Oarlock. 2,489,063, Nov. 22.
- Turner, George, Dudley, England. Electric resistance furnace. 2,482,445, Sept. 20.
- Turner, George, El Paso, Tex. Radium ray applicator. 2,484,433, Oct. 11.
- Turner, Harold D.: See—Stamm, Alfred J., and Turner.
- Turner, Harold S.: See—Goldberg, Alan A., Kelly, and Turner.
- Turner, Harrison I., Cordova, Ill. Timing mechanism. 2,463,070, Mar. 1.
- Turner, Harry E., Santa Monica, Calif. Folding clothes rack. 2,481,797, Sept. 13.
- Turner, Harvey H., Woodbury, Ga., and J. C. La Mar, Hawesville, Ky. Flashlight. 2,476,783, July 19.
- Turner, Henry A., Union, S. C. Letoff motion for looms. 2,488,148, Nov. 15.
- Turner, Homer M., Greenwood, Del. Fishing lure. 2,467,640, Apr. 19.
- Turner, Houston G., Hammon, Okla. Axially shifting type tire removing machine. 2,478,214, Aug. 9.
- Turner, Howard L., Jackson, Mich. Magnetic gauge for conduits. 2,472,319, June 7.
- Turner, James H., Detroit, Mich. Auxiliary gas tank assembly. 2,482,885, Sept. 27.
- Turner, Jennie W., assignee: See—Grant, Robert.
- Turner, Jesse A. C., New York, N. Y. Clothesline extension. 2,484,432, Oct. 11.
- Turner, John J., Detroit, Mich. Surgical instrument. 2,484,132, Oct. 11.
- Turner, John R., assignor to Central Soya Company, Inc., Fort Wayne, Ind. Modified soy protein and the preparation thereof. 2,489,208, Nov. 22.
- Turner, John W., assignor to United States Radiator Corporation, Detroit, Mich. Boiler structure. 2,466,188, Apr. 5.
- Turner, Leslie B., Cowan, Ind., assignor to H. M. Wolfe, Chicago, Ill. Collapsible table leg mounting and latch structure therefor. 2,487,401, Nov. 8.
- Turner, Lowry L., Denmark, S. C. Animal trap. 2,485,941, Oct. 25.
- Turner, Norbert O., Toronto, Ontario, Canada. Adjustable sawing machine table. 2,465,000, Mar. 22.
- Turner, Peter, Indianapolis, Ind. Push-type offset mower. 2,468,312, Apr. 26.
- Turner, Peter, Indianapolis, Ind. Mounting means for push-type mowers. 2,468,313, Apr. 26.
- Turner, Ralph, and L. Howell, Cornell, Ill. Rotary weed cutter. 2,481,798, Sept. 13.
- Turner, Ralph R. P., Walkersville, Md. Valve position indicator. 2,485,942, Oct. 25.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread control for looms. 2,457,952, Jan. 4.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft replenishing looms. 2,457,953, Jan. 4.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,457,954, Jan. 4.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for bobbins in magazines. 2,457,955, Jan. 4.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for pneumatic thread receivers for looms. 2,457,956, Jan. 4.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,460,611, Feb. 1.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread collector for weft replenishing looms. 2,463,923, Mar. 8.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Vibration preventer for bobbin magazines. 2,468,524, Apr. 26.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Adjustable mounting for bobbin magazines. 2,468,525, Apr. 26.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin check for weft replenishing looms. 2,469,089, May 3.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,471,847, May 31.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin tip support means for weft replenishing looms. 2,474,641, June 28.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder. 2,476,640, July 19.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin and making same. 2,482,446, Sept. 20.
- Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness frame for looms. 2,483,857, Oct. 4.
- Turner, Robert, Balwyn, Australia. Erasable surface and copy holder. 2,486,509, Nov. 1.
- Turner, Shade W., Danville, Ky. Bottle carrier. 2,472,237, June 7.
- Turner, Wellmore B., executor: See—Sherman, John Q.
- Turner, William E., Summerville, Ga. Liquid dispenser with receptacle operated outlet valve. 2,463,922, Mar. 8.
- Turner, William R., Drexel Hill, W. Schreiber, Philadelphia, and C. H. Van Hartesveldt, Rosemont, assignors to The Atlantic Refining Company, Philadelphia, Pa. Method and apparatus for testing oils. 2,486,080, Oct. 25.
- Turney, Harry J., assignee: See—Henderson, Arthur B.
- Turnham, Fitzhugh H., and E. W. Garrison, Jr., Birmingham, Ala. Electric low and high voltage fuse. 2,485,221, Oct. 18.
- Turnwald, Wolfgang, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Variable-capacity controller for compressors. 2,470,380, May 17.
- Turpin, Alexander J.: See—Elze, Walter C., and Turpin.
- Turpin, Elias B., Battle Creek, Mich. Apparatus for filling tires with air or liquid and withdrawing air or liquid therefrom. 2,488,946, Nov. 22.
- Turpin, Robert S., New York, N. Y. Watch supporting wristband. 2,491,592, Dec. 20.
- Turrall, George, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Delivery mechanism for printing and like machines. 2,485,943, Oct. 25.

- Turrall, George, and C. H. Skinner, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y. Machine for separating and feeding counted batches of articles. 2,484,196, Oct. 11.
- Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Precision machine tool. 2,462,573, Feb. 22.
- Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Apparatus for measuring angles. 2,465,497, Mar. 29.
- Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Device for the measurement of lengths. 2,471,050, May 24.
- Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Length measuring machine having lens and reflector means. 2,474,602, June 28.
- Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Grinding wheel truing device for grinding machines, more especially for thread grinding machines. 2,475,210, July 5.
- Turrettini, Fernand, Bellevue-Geneva, Switzerland. Optical comparison projecting apparatus having interchangeable objectives and condensers. 2,484,972, Oct. 18.
- Turrettini, Fernand, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Optical device for the measurement of relative displacements of a carriage slidable on a machine bed. 2,488,351, Nov. 15.
- Turrettini, Fernand W., assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Device for centering the spindle of machine tools. 2,483,743, Oct. 4.
- Tursky, Charles M., Long Island City, N. Y. Adjustable strainer. 2,458,118, Jan. 4.
- Turulis, John W., Gary, Ind. Extinguisher for ash trays. 2,480,816, Aug. 30.
- Turzillo, Lee, Royal Oak, Mich., assignor to L. S. Wertz, Cleveland, Ohio. Combined tie rod and grout conduit. 2,491,460, Dec. 13.
- Tusay, John, Highland Park, Mich. Garment hanger supporting means. 2,468,526, Apr. 26.
- Tuschling, Herman A., Detroit, Mich., assignor to Avco Manufacturing Corporation. Refrigerator condensate receiver. 2,490,491, Dec. 6.
- Tusson, John R., Princeton, N. J., assignor to Tennessee Valley Authority. Purification of red phosphorus. 2,476,335, July 19.
- Tustin, Arnold, Sheffield, England, assignor, by mesne assignments, to General Electric Company. Electrical system. 2,474,872, July 5.
- Tut, Inc., assignee: See—
Tutton, Gordon N.
- Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Pick mechanism for looms. 2,483,987, Oct. 4.
- Tuttle, Arvin, Berkeley, Calif. Bending straight strips into annular collars or flanges between a disk and oscillating rollers. 2,471,083, May 24.
- Tuttle, Bertha S., Newton, and T. Navoy, Jamaica Plain, assignors to J. N. Tuttle, Inc., Newton, Mass. Treating phosphate coated surfaces. 2,478,954, Aug. 16.
- Tuttle, Clifton M., R. V. Cartwright, and H. P. Eichler, assignors to Eastman Kodak Company, Rochester, N. Y. Automatic exposure control for photographic printers. 2,464,162, Mar. 8.
- Tuttle, Clifton M., and C. J. Kunz, assignors to Eastman Kodak Company, Rochester, N. Y. Film processing apparatus. 2,476,007, July 12.
- Tuttle, Fordyce, assignor to Eastman Kodak Company, Rochester, N. Y. Gun training by tracer fire spotting. 2,458,448, Jan. 4.
- Tuttle, George A., Anatone, Wash. Aircraft with beating wings and tiltable propellers. 2,481,799, Sept. 13.
- Tuttle, Henry C., assignee, trustee: See—
Vail, Daniel R.
- Tuttle, J. N., Inc., assignee: See—
Tuttle, Bertha S., and Navoy.
- Tuttle & Kift, Inc., assignee: See—
Tuttle, William R.
- Tuttle, Louis P., Glendale, Calif. Ornamental lighting fixture. 2,465,700, Mar. 29.
- Tuttle, Robert E., Wilmington, Del. Button construction for garments and the like. 2,460,775, Feb. 1.
- Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Electric heater. 2,467,348, Apr. 12.
- Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Eyelash curler. 2,460,317, Feb. 1.
- Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Eyelash curler. 2,474,873, July 5.
- Tutton, Gordon N., assignor to Tut, Inc., Auburn, N. Y. Enclosing case for fishing rods and the like. 2,473,977, June 21.
- Tuukkanen, Edwin C.: See—
Davis, Lewis, and Tuukkanen.
- Tuve, Richard L., Silver Spring, Md. Heat-action explosive pyrotechnic marker. 2,469,421, May 10.
- Tuve, Richard L., Silver Spring, Md., J. M. Fogelberg and F. E. Brinnick, Washington, D. C., and H. S. Springer, Homestead, Fla. Shark repellent. 2,458,540, Jan. 11.
- Tvedt, Thorwald J.: See—
Fay, Charles H., and Tvedt.
- Twardowski, Zygfired A., East Detroit, Mich. Hose coupling valve. 2,458,809, Jan. 11.
- Twatt, James: See—
Best, Frank P., Colchester, and Twatt.
- Tway, Walter M., Maricopa County, Ariz. Wheel and tire dolly. 2,471,051, May 24.
- Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,485,944, Oct. 25.
- Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,487,617, Nov. 8.
- Tweedy, Stanley B., London, England, assignor to Electro Methods Ltd. Magnetic amplifying circuits. 2,475,575, July 5.
- Tweeten, Oliver B., Forest City, Iowa. Ditching machine. 2,490,388, Dec. 6.
- Twentieth Century-Fox Film Corporation, assignee: See—
Grignon, Lorin D., and Wilkes.
Hulburt, George D., and Conaway.
Laube, Grover.
Laube, Grover, and Wootten.
- Twiehaus, Arthur E., and P. J. Wilton, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation. Apparatus for heat-treating steel. 2,466,870, Apr. 12.
- Twin Coach Company, assignee: See—
Austin, Dwight E., and Fageol.
- Twin Disc Clutch Company, assignee: See—
Aschauer, George R.
Jenkins, John B.
Shurts, Wilbur F.
Vanderzee, Harry H.
- Twining, Herbert H., assignee: See—
Clark, Edward A.
- Twitchell, Fremont G., Ukiah, Calif. Reflex cooled exhaust valve. 2,467,060, Apr. 12.
- Twyman, L. Raymond, Bloomfield Township, Oakland County, assignor to Vickers Incorporated, Detroit, Mich. Hydraulic steering power transmission. 2,487,618, Nov. 8.
- Tydemann, Clarence W., San Mateo County, assignor to General Engineering and Dry Dock Corporation, San Francisco, Calif. High-speed grinding spindle. 2,469,186, May 3.
- Tydemann, Clarence W., San Mateo, assignor to General Engineering and Dry Dock Corporation, San Francisco, Calif. High-speed grinding spindle. 2,486,227, Oct. 25.
- Tydings, Kenneth S., and H. M. Tash, Long Beach, N. Y. Hypodermic needle. 2,489,600, Nov. 29.
- Tyden, Arnold B., Klinten, Sweden, assignor, by mesne assignments, to Rosenblad Corporation, New York, N. Y. Cleaning scale. 2,490,759, Dec. 6.
- Tyler, Edward P., North Hollywood, Calif. Combined watchcase and bracelet. 2,472,351, June 7.
- Tyler Fixture Corporation, assignee: See—
Shreve, Clifford B.
- Tyler, Harold R.: See—
Tucker, Daniel F., and Tyler.
- Tyler, John D., assignor to The Better Mouse Trap Company, Nashville, Tenn. Trap. 2,481,800, Sept. 13.
- Tyler, John M., and A. V. D. Willgoos, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Engine suspension means. 2,477,501, July 26.
- Tyler, John M., and A. V. D. Willgoos, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Engine suspension. 2,490,492, Dec. 6.
- Tyler, Ransom, Greenfield, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive and speed control means therefor. 2,492,720, Dec. 27.
- Tyler, Simeon R.: See—
Kimball, Charles N., Brown, and Tyler, Jr.
- Tyler, Virgil H., Ventura, Calif. Machine for aligning and sizing elongated rollable articles. 2,463,578, Mar. 8.
- Tylon, Samuel, Cleveland, Ohio. Ring box. 2,466,624, Apr. 5.
- Ty-Master Corporation, assignee: See—
Pestynier, Philip.
- Tynan, Andrew G.: See—
Pyle, Howard T., and Tynan.
Short, Brooks H., and Tynan.
- Tyre, Alexander T., Newton Stewart, Scotland, assignor to Imperial Chemical Industries Limited. Gas-producing charges suitable for the generation of gas pressure for the operation of mechanical devices and for blasting operations. 2,470,082, May 10.
- Tyre, Morris: See—
Andrews, Walter C., and Tyre.
- Tyrner, Joseph M., assignor to Air Reduction Company, Incorporated, New York, N. Y. Electric arc welding. 2,458,658, Jan. 11.
- Tyrner, Joseph M., assignor to Air Reduction Company, Incorporated, New York, N. Y. Reproducing apparatus. 2,459,253, Jan. 18.
- Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Automatic welding apparatus. 2,480,311, Aug. 30.

- Tyroler, Charles, Tuckahoe, N. Y. Apparatus for casting concrete walls. 2,477,320, July 26.
- Tyson, Benjamin F., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Radio receiver gain-control arrangement. 2,460,202, Jan. 25.
- Tyson, Charles W.: *See—*
Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
Gohr, Edwin J., and Tyson.
Thompson, William I., and Tyson.
- Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Apparatus for stripping finely divided solids. 2,472,502, June 7.
- Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Polymer separation. 2,485,335, Oct. 18.
- Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Gas-solid contacting apparatus, including means for stripping solid particles. 2,491,536, Dec. 20.
- Tyson, Homer C., Bethany, Ohio. Combination trailer hitch and bumper guard. 2,487,496, Nov. 8.
- Tyson, Owen A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Potential comparator. 2,473,457, June 14.
- Tyskewicz, John P., assignor to The Maxim Silencer Company, Hartford, Conn. Manifold silencer with circular flow. 2,468,384, Apr. 26.
- Tyzzer, Howard J., Caldwell, assignor to Ferris Instrument Laboratories, Bonton, N. J. High-frequency potential dividing termination. 2,460,476, Feb. 1.
- Tyzzer, Howard J., Mountain Lakes, assignor to Ferris Instrument Laboratories, Bonton, N. J. Electrical alternating currents amplifier. 2,481,456, Sept. 6.
- Tzvetcoff, Vladimir: *See—*
Cooper, Hugh S., and Tzvetcoff.
- Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Antidetonating device. 2,486,228, Oct. 25.
- Udylite Corporation, assignee: *See—*
Brown, Henry.
Davis, John V.
Lindh, Gunnar C. T.
- Uhlig, Cyril L., Hartington, Nebr. Soldering iron. 2,458,319, Jan. 4.
- Uhl, Edward G., Elizabeth, N. J., and L. A. Skinner, Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Electrically fired rocket projectile. 2,466,752, Apr. 12.
- Uhl, Herbert B., River Edge, and I. H. Cooper, Maywood, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Production of formaldehyde. 2,465,498, Mar. 29.
- Uhlig, Edwin C.: *See—*
Strickhouser, Sherman I., and Uhlig.
- Uhlig, Erich J., Haddon Heights, N. J., assignor to Radio Corporation of America. Electrical servo system. 2,462,238, Feb. 22.
- Uhlig, Henry C.: *See—*
Agresti, Vincent A., Bogdanffy, Mitchell, and Uhlig.
- Uhlig, Henry C., Clifton, assignor to Howe Machinery Company, Inc., Passaic, N. J. Method of and apparatus for twisting yarn. 2,487,837, Nov. 15.
- Uhlig, Henry C., Clifton, assignor to Howe Machinery Company, Inc., Passaic, N. J. Twisting and cabling spindle. 2,487,838, Nov. 15.
- Uhlir, Robert J., Kansas City, Mo. Air pump. 2,480,619, Aug. 30.
- Uhlmann Grain Company, assignee: *See—*
Manning, Timothy C.
- Uhrich, Harold R.: *See—*
Sensenich, Martin M., and Uhrich.
- Uhrmacher, Ralph R., assignor to Wilson-Jones Company, Chicago, Ill. Back gauge for punches. 2,459,101, Jan. 11.
- Ulick, Peter J., assignor to Briggs Manufacturing Company, Detroit, Mich. Toolholder. 2,461,946, Feb. 15.
- Ullian, John: *See—*
Belanger, Victor E., and Ullian.
- Ullman, Clarence O., assignor to C. & S. Products, Inc., Cleveland, Ohio. Developing frame for photographic films or plates. 2,489,548, Nov. 29.
- Ullman, Clarence O., Cleveland, Ohio. Precision instrument. 2,489,733, Nov. 29.
- Ullmann, Harry M., Bethlehem, Pa., R. M. Ullman, executrix of said H. M. Ullmann, deceased. Complexes of fatty acid compounds. 2,488,999, Nov. 22.
- Ullmann, Rachel M., executrix: *See—*
Ullmann, Harry M.
- Ulrich, Fred J., Kalamazoo, assignor to L. A. Fordon, Detroit, Mich. Stacking box or tray. 2,489,470, Nov. 29.
- Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Amino alkyl benzoates. 2,463,831, Mar. 8.
- Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Preparation of aminophthalidylalkanes. 2,473,484, June 14.
- Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Preparation of aminophthalidylalkane salts. 2,480,105, Aug. 30.
- Ulman, Lynn J., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit for stabilizing focus of magnetically focused cathode-ray tubes. 2,459,602, Jan. 18.
- Ulmer, Alfred R., Dumont, N. J., assignor to Radio Corporation of America. Sound recording system and aperture. 2,468,142, Apr. 26.
- Ulmer, Harold W.: *See—*
Hanson, Per Roland, and Ulmer.
- Ulmer, Julius W., Menno, S. Dak. Rear-vision mirror having polarizing means. 2,466,625, Apr. 5.
- Ulrich, Bernhard, Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Oscillating piston motor mechanism with piston snap actuated distributing valves. 2,463,005, Mar. 1.
- Ulrich, Bernhard, Jr., and G. W. Pontius, III, assignors to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,469,854, May 10.
- Ulrich, Carl J., Minneapolis, Minn. Barometric instrument. 2,472,735, June 7.
- Ulrich, Edward A.: *See—*
Jacobowitz, Arnold, and Ulrich.
- Ulrich, Emery G., Toledo, Ohio. Truck anchor. 2,458,226, Jan. 4.
- Ulrich, Emery G., Toledo, Ohio; V. R. Ulrich, administratrix of said E. G. Ulrich, deceased, assignor to V. R. Ulrich. Truck anchor. 2,488,749, Nov. 22.
- Ulrich, Emery G., Toledo, Ohio; V. R. Ulrich, administratrix of said E. G. Ulrich, deceased, assignor to V. R. Ulrich. Truck anchor. 2,488,750, Nov. 22.
- Ulrich, Vivian K., administratrix, assignee: *See—*
Ulrich, Emery G.
- Ulseth, Thomas M., Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,478,140, Aug. 2.
- Umansky, Morris: *See—*
Martin, Mervin E., and Umansky.
- Umbach, James R.: *See—*
Prentice, James M., Umbach, and Ross.
- Umbdenstock, Walter, assignor to Lion Manufacturing Corporation, Chicago, Ill. Grinding machine. 2,479,281, Aug. 16.
- Underhill, Charles R., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Optical unit with air expansion means. 2,465,764, Mar. 29.
- Under Water Welders & Repairers Limited, assignee: *See—*
Boot, Robert H. F.
- Underwood Corporation, assignee: *See—*
Anderson, Walter A.
Becker, Fred.
Lippert, Walter E.
Sundstrand, Oscar J.
Swanson, Oscar W.
Wise, Elmer L.
- Underwood, Garfield J., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric. 2,492,670, Dec. 27.
- Underwood, Gilbert S., Washington, D. C. Desk shelf. 2,468,473, Apr. 26.
- Underwood, Harold J., assignor to Underwoods Patents Ltd., Wellington, New Zealand. Collapsible perambulator. 2,488,450, Nov. 15.
- Underwood, James E.: *See—*
Rohde, Le Roy H., and Underwood.
- Underwood, James Q., Jr.: *See—*
Pratt, Robert H., and Underwood.
- Underwood, Rex, Eugene, Oreg. Exercising device. 2,476,518, July 19.
- Underwood, Thomas M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating tower containing solid contact material. 2,483,948, Oct. 4.
- Underwoods Patents Ltd., assignee: *See—*
Underwood, Harold J.
- Undy, Gustav E., assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,470,119, May 17.
- Undy, Gustav E., Detroit, assignor, by mesne assignments, to Weltronic Company, Oakland County, Mich. Electrical control system. 2,484,767, Oct. 11.
- Unertl, John, Jr.: *See—*
Unertl, John and J., Jr.
- Unertl, John, and J., Jr., Pittsburgh, Pa. Telescope mounting. 2,491,431, Dec. 13.
- Unger, Gustave A., New Rochelle, assignor to Equi-Flow, Inc., New York, N. Y. Gear tooth profile. 2,462,924, Mar. 1.
- Unger, Arthur M., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Indexing device for welding machines. 2,464,906, Mar. 22.
- Unger, Chester E., Mishawaka, Ind., assignor to American Wheelabrator & Equipment Corporation. Method and machine for forming metal. 2,488,353, Nov. 15.
- Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Plug. 2,476,074, July 12.
- Unger, Paul O., Elmhurst, assignor to Autopoint Company, Chicago, Ill. Hygroscopic coil for humidity indicators. 2,480,983, Sept. 6.
- Unger, Sidney: *See—*
Redler, Philip, Davies, and Unger.
- Unger, William H., New York, N. Y. Electrostatic pickup. 2,482,081, Sept. 13.
- Union Aircraft Corporation, assignee: *See—*
Brewster, James H., III.
- Union Aircraft Corporation of East Hartford, Conn., assignee: *See—*
Sabbia, Jerome R.

- Union Asbestos & Rubber Company, assignee: *See*—
Cryor, Robert E.
Lundvall, John S.
Moorman, Charles L.
O'Connor, Arthur F.
- Union Bay State Chemical Co., Inc., assignee: *See*—
Milas, Nicholas A.
- Union Carbide and Carbon Corporation, assignee: *See*—
Erasmus, Hendrik deW.
Fowler, Robert M.
Jacobsson, Wilgot J.
Jones, Homer W., and Bucknam.
Kinzel, Augustus B.
Kinzel, Augustus B., and Burgess.
Koopman, Kenneth H.
Spendlow, Howard R., Jr., and Erasmus.
Young, Lloyd W.
- Union d'Electricite, assignee: *See*—
Cahen, Francois M., Chevallier, and Henriet.
- Union Fork & Hoe Company, The, assignee: *See*—
Lado, Anthony L.
- Union Francaise Commerciale et Industrielle, assignee: *See*—
Lachamp, Felix L.
- Union Ice Company, The, assignee: *See*—
Rear, James C.
- Union Manufacturing Company, assignee: *See*—
Church, Albert E.
- Union Metal Manufacturing Company, The, assignee: *See*—
Anderson, Wilbur C., and Riemenschneider.
- Union-National, Inc., assignee: *See*—
Millsbaugh, Cedric E.
- Union Oil Company of California, assignee: *See*—
Albaugh, Frederic W.
Backlund, Peter S., and Beldeck.
Buckmann, John P., and Neff.
Byrns, Alva C.
Carr, Donald E.
Coe, Clarence S., Attané, and Doumani.
Coe, Clarence S., and Doumani.
Cubiciotti, Rudolph.
Doumani, Thomas F.
Doumani, Thomas F., Coe, and Attane, Jr.
Farkas, Adalbert, and Stribley, Jr.
Fischer, Paul W.
Haycock, Charles G.
Jones, Philip H.
Lake, George R., and Stribley.
Linford, Hooper, and Baral.
McKinnis, Art C.
Nahin, Paul G.
Nahin, Paul G., and Huffman.
Stribley, Josephine M.
Stribley, Josephine M., and Lake.
Volz, John L., and Korpi.
- Union Plate and Wire Co., assignee: *See*—
Fife, George.
- Union Screen Plate Co. of Canada Ltd., assignee: *See*—
Turcotte, Joseph.
- Union Special Machine Company, assignee: *See*—
Christensen, Norman V.
Christensen, Norman V., Le Vesconte, and Schweda.
Christensen, Norman V., and Sauer.
Christensen, Norman V., and Smith.
Le Vesconte, Harold J., and Quist.
Peterson, Albert C.
Sauer, George.
- Union Starch & Refining Company, assignee: *See*—
Fetzer, Walter R., and Evans.
- Union Steel Chest Corporation, assignee: *See*—
Yawman, Harvey H.
- Union Steel Products Company, assignee: *See*—
Bitney, Dewey H.
Hatch, Charles T.
- Union Switch and Signal Company, The, assignee: *See*—
Allison, Leslie R.
Baughman, George W.
Bone, Herbert L.
Bossart, Paul N.
Breisch, Edgar W.
Breisch, Edgar W., and Seitz.
Cadman, Ira F.
Corbyn, David B.
Dodd, Arthur E.
Doucette, Adrian R., and Lorentzen.
Douglass, Myrl R.
Eckhardt, Paul K.
Fereday, Frederick T.
Fitzsimmons, David P.
Gilson, Robert M.
Gilson, Robert M., and Hedding.
Gilson, Robert M., and Martin.
Gracey, William R., Jr.
Hays, Thomas W.
Hedding, Linnie K.
Hufnagel, Andrew.
Johnston, Allan T., and Jerome.
Kariet, Joseph G., and Walker.
Kemmerer, Ralph R.
Konrad, William L., Bossart, and Leberknight.
Lewis, Lloyd V.
Martin, Paul N.
Miller, Alfred B.
Nicholson, Frank H.
- Union Switch and Signal Company, The, assignee: *See*—
Continued.
Quinlan, Joseph A.
Sell, Richard G., and Thompson.
Shields, Charles B.
Smith, Harry R.
Sorensen, Andrew J.
Spray, Lester E.
Thompson, Howard A.
Thompson, Leslie E.
Van Gilder, Burrows C.
Walker, Alec H. B.
Wells, Wesley B.
Young, Henry S.
- Union Totalisator Company, The, Limited, assignee: *See*—
Handley, John.
- Union Trust Company of Pittsburgh, The, administrator: *See*—
Craig, John R.
- Union Wire Rope Corporation, assignee: *See*—
Zerr, Charles M.
- Unique Balance Co., Inc., assignee: *See*—
Larson, Algot.
- United Aircraft Corporation, assignee: *See*—
Alex, Ralph P.
Anderson, John E.
Anderson, Oscar L.
Baresch, Charles A.
Block, Emil V.
Bodger, Walter K.
Bonnert, Horace W.
Buck, Richard S., and Ledwith.
Cooper, Kenneth C.
Cronstedt, Val.
Crowell, Serge L.
Dickerman, Fred N.
Dunnells, Norman A., and Gorton.
Eaton, Edwin D., and Catudal.
Firestone, Floyd A.
Forman, George W.
Gibbons, Henry B., and Zoldy.
Gluhareff, Michael E.
Gove, Winfield D.
Hahn, Frank J.
Harker, Ralph J.
Hasbrouck, John S.
Heintze, Carl F.
Hersey, Donald S., and Brown.
Highberg, Axel L.
Holmes, Gifford I.
Hooker, Ralph J.
Jensen, Harry T.
Kalitinsky, Andrew.
Kalitinsky, Andrew, and Ledwith.
Kearns, Charles M., Jr.
Lampton, Glen T.
Lampton, Glen T., and Perin.
Lang, John M.
Ledwith, Walter A.
Lee, John G.
Lysak, Walter W.
Meitzler, Donald E.
Morris, Charles L.
Morrison, Reeves.
Palmer, Robert C., Jr.
Poole, David M.
Radtke, Edward W.
Rapuano, Henry J. and D. H.
Ring, Grant A.
Rose, Kenneth E.
Schuster, John, Jr.
Shoemaker, James M.
Sikorsky, Igor I.
Soderberg, Carl R.
Thacher, Alfred B.
Thompson, Ransom S.
Tyler, John M., and Willgoos.
Wachs, Miller A.
Wald, Quentin R., and Brewster, III.
Willgoos, Andrew V. D.
Zimmerman, Charles H., and Rapuano.
- United Aircraft Manufacturing Corporation, assignee: *See*—
Watter, Michael.
Watter, Michael, and Doherty.
- United Aircraft Products, Inc., assignee: *See*—
Booth, Harry T.
Booth, Harry T., Hoffman, and Olcott.
Cruzan, Harold.
Dow, Arthur L.
Parker, Warde L.
Snow, Robert T.
Warrick, Edward C., and Cruzan.
- United Air Lines, Inc., assignee: *See*—
Buckthal, Elmer P., and Nidiffer.
Horst, Tallmon E.
Jensen, Evan A., and Rhead.
Jensen, Evan A., and Wilkinson.
Kahn, Bertrand B.
Nofzinger, Earl E.
Varney, Justin A., and F. M., and Holter.
- United Autographic Register Co., assignee: *See*—
Jensen, Louis.
- United Board & Carton Corporation, assignee: *See*—
Shina, Frank C.

- United Carbon Company, Inc., (Maryland), assignee: *See—*
 Skoog, Robert W.
- United-Carr Fastener Corporation, assignee: *See—*
 Buckley, Clyde D.
 Churchill, Wilmer H.
 Clark, Geoffrey W.
 Hall, Charles L.
 Johnson, Frank E.
 Jones, Walter I.
 Loeser, George H., and Gangie.
 Powell, Leonard A.
 Trafton, Warren L.
 Wagstaff, George.
- United Chemical and Metallurgical Works, Ltd., assignee: *See—*
 Regner, Albert.
- United Chromium, Incorporated, assignee: *See—*
 Dubpernell, George.
 Stareck, Jesse E.
 Stareck, Jesse E., and Corliss.
 Stareck, Jesse E., and Passalacqua.
- United Elastic Corporation, assignee: *See—*
 Van Hoorhis, George S.
- United Electronics Company, assignee: *See—*
 Reiner, Leopold.
- United Elevator Service, Inc., assignee: *See—*
 Di Giovanni, Joseph.
- United Engineering & Foundry Company, assignee: *See—*
 Greer, Edwin D., Jr.
 Talbot, Howard H.
- United Engineers and Constructors, Inc., assignee: *See—*
 Spahr, Floyd W., and Haug.
- United Gas Improvement Company, The, assignee: *See—*
 Batchelder, Howard R.
 Soday, Frank J.
- United Helicopters, Inc., assignee: *See—*
 Hiller, Stanley, Jr.
 Hiller, Stanley, Jr., and Stuart.
- United Lens Corporation, assignee: *See—*
 Coulter, Guy H.
- United Merchants & Manufacturers, Inc., assignee: *See—*
 Lindquist, Theodore.
 Miller, Fred T.
 Weiss, Eric E.
- United Metal Box Co., Inc., assignee: *See—*
 Hammer, Samuel.
- United Products Company, The, assignee: *See—*
 Cover, Ralph.
- United Shoe Machinery Corporation, assignee: *See—*
 Ashley, Merwin F.
 Ashworth, Fred.
 Bagshaw, Charles M., Coleman, and Pratt.
 Baker, Corwin W.
 Bell, Charles C., and Elliott.
 Bertrand, Frederic E., and Clark.
 Blanchard, Benjamin B.
 Brophy, John J.
 Brostrom, Charles G.
 Burns, Francis A.
 Burton, Shirley.
 Butler, Ernest L., and Fitzgerald.
 Carter, Chester W.
 Clarke, Thomas B., and Barker.
 Clarke, Thomas B., and Rivington.
 Cocozella, Anthony, Jr., Albert J., and Clarence E.
 Cohen, Paul.
 Cole, Frank E.
 Collins, George H.
 Curtin, Leonard S.
 Cutler, Wallace M.
 Dixon, Paul H.
 Duplessis, René E.
 Eastman, Fred C.
 Eastman, Fred C., and Burby.
 Edgar, David.
 Elliott, Harold E.
 Elliott, Harold E., and Moore.
 Elliott, Harold E., and Pratt.
 Elliott, Richard M.
 Eppler, Andrew, Jr.
 Ewart, John M.
 Fossa, Joseph.
 Fossa, Joseph, and Isaacson.
 Goodhue, William V.
 Gookin, Sylvester L.
 Greene, Chester W.
 Gross, Charles J.
 Gulbrandsen, Helge.
 Haas, Otto R.
 Hart, Fred V.
 Hart, George T.
 Hay, Dana P.
 Hazelton, George.
 Heggs, William H., and Heather.
 Hersey, Israel I.
 Hollick, John G.
 Holmgren, Eric A.
 Holmgren, Eric A., and Patten.
 Hooper, Frederick E.
 Hope, Ernest.
 Hubbard, Arthur R.
 Imhof, Herman A.
 Jorgensen, Bernhardt.
- United Shoe Machinery Corporation, assignee: *See—Continued.*
 Keall, Frank B.
 Knott, Clyde L.
 Knowlton, Cutler D.
 Knowlton, Cutler D., and Hollick.
 Koloske, Henry J.
 Lancaster, John T.
 Lawson, Robert H.
 Macdonald, Lester S.
 MacKenzie, Wilbur L.
 Maeser, Mieth.
 Maeser, Mieth, and Bulbrandsen.
 Mariner, Norman E.
 McKeon, William D.
 Miller, Lloyd G.
 Miller, Lloyd G., and Stacey.
 Monfils, Napoleon A., and Quinn.
 Newhall, Carl A.
 Oliver, John R.
 Paulsen, Hans C.
 Phillips, Harry.
 Pratt, John W.
 Prue, Walter W.
 Ray, Eugene J.
 Richardson, George K.
 Robson, William S.
 Roske, Milton H.
 Sabin, Ernest E.
 Seely, Thomas H., and Linderoth, Jr.
 Sentieben, Paul B.
 Stacey, Ernest W.
 Standish, John F.
 Strout, Basil A.
 Topham, Laurence E.
 Topham, Laurence E., and Smith.
 White, Percy.
 Willmott, Herbert J.
 Woodman, Charles K.
- United Sound and Signal Co., Inc., assignee: *See—*
 Wisler, John J.
- United Specialties Company, assignee: *See—*
 Eastman, David P.
 McAllister, Alexander J., and Dreznes.
- United Steel Corporation Limited, assignee: *See—*
 Eland, Frank H.
- United Steel Fabricators, Inc., assignee: *See—*
 Macleod, Donald K.
- United Tool & Die Company, The, assignee: *See—*
 Carney, James J.
- United Wallpaper, Inc., assignee: *See—*
 Lund, Malcolm G., Atkinson, and Staunton.
- United Wood Heel Company, assignee: *See—*
 Quirk, Justin P., and Hafner.
- U. S. Alfalfa Products Company, assignee: *See—*
 Meyer, Otto F., Schmidt, Owens and Miner, Jr.
- United States Atomic Energy Commission, the United States of America as represented by the, assignee: *See—*
 Hein, Willard C., and Winchester.
 Parsons, Howard.
 Schlesinger, Hermann I., and Brown.
- United States Atomic Energy Commission, United States of America as represented by the, assignee: *See—*
 Allen, James S., and Rossi.
 Anicetti, Robert J.
 Baker, Charles P.
 Baker, William R.
 Biggs, Glenn C.
 Borkowski, Casimer J.
 Carter, James M.
 Egle, Edward J., Jr.
 Fried, Sherman M., and Davidson.
 Gamertsfelder, Carl C., Jr.
 Graham, Clifton B., and Carver.
 Hood, Charles B., Jr., Jones, and Johnston.
 Koontz, Philip G.
 Landsverk, Ole G., and Wollan.
 Langwill, Kathryn E.
 MacKenzie, Kenneth R.
 Madorsky, Samuel L.
 McBride, Robert H.
 Miller, Arthur J., and Armstrong.
 Miller, Oran E.
 Newton, Amos S.
 Palevsky, Harry, and Swank.
 Payne, John H., Jr.
 Perkins, Melvin A.
 Perret, William R.
 Pickels, George W., IV.
 Powell, Wilson M.
 Richards, Melbourne K.
 Roush, James L.
 Segrè, Emilio G., and Wiegand.
 Shonka, Francis R.
 Stoltenberg, Glenn R.
 Thompson, Robert W.
 Wollan, Ernest O., Pardue, and Goldstein.
- U. S. Bobbin & Shuttle Co., assignee: *See—*
 Segge, James E., and Gosselin.
- U. S. Electrical Motors, Inc., assignee: *See—*
 Luenberger, Frederick O.
- U. S. Electrical Tool Company, The, assignee: *See—*
 Smith, George E.
- United States Envelope Company, assignee: *See—*
 Krall, Walter.

- United States Gasket Company, assignee: *See*—
Nardin, William T.
Rossman, Joseph.
- United States Gypsum Company, assignee: *See*—
Burns, Frank B., Larrison and Higgs.
Camp, Thomas P.
Dailey, Manvel C.
Huntzicker, Harry N.
Kester, Bruce E.
Nelsson, Nels.
Petty, Wilcy.
Scholz, Herman A., and Wise.
Schustek, George W., Jr.
Stitt, Roger H.
Willey, Grant S., and Frost.
Wise, John K.
- U. S. Industrial Chemicals, Inc., assignee: *See*—
Wachs, Herman.
- United States of America, assignee: *See*—
Goehmann, Maurice H.
Robinson, Joseph.
Welch, Henry.
Whitehead, Richard H.
- United States of America Atomic Energy Commission,
United States of America as represented by the, as-
signee: *See*—
Ghiorso, Albert, and Gordon.
- United States Plywood Corporation, assignee: *See*—
Hemming, Charles B.
- United States Quarry Tile Company, assignee: *See*—
Felchter, Harold R.
- United States Radiator Corporation, assignee: *See*—
Turner, John W.
- United States Radium Corporation, assignee: *See*—
Byler, William H.
Cornwall, John H.
Wallhausen, Clarence W.
Wallhausen, Clarence W., and Dooley.
Wallhausen, Clarence W., Dooley, and Carroll.
- United States Rubber Company, assignee: *See*—
Axford, Luther.
Bargmeyer, Ernest G.
Barton, Bernard C.
Child, Everett S.
Clifton, Maurice.
Devorss, Joseph W., Jr.
Eakins, Everett A.
Eger, Ernst.
Egge, Edwin G.
Fisk, Charles F.
Foster, Boutwell H.
Gerke, Roscoe H.
Glasgow, George U.
Harris, Walter D., and Tate.
Hart, Edwin J.
Hart, Edwin J., and Matheson.
Heiberger, Charles A.
Howland, Louis H.
Howland, Louis H., and Hunter.
Howland, Louis H., and Tewksbury.
Hunter, Byron A.
Hurd, Everett C.
Kerr, Theodore W., Jr., and Harris.
Kharasch, Morris S.
Kharasch, Morris S., and Ladd.
Kharasch, Morris S., and Urry.
Ladd, Elbert C.
Ladd, Elbert C., and Sargent.
Mahoney, Paul L.
Manske, Richard H. F.
Marick, Louis.
Miner, Samuel S.
Mueller, William J.
Nye, Louis E.
Ostby, Chris A., Jr.
Paul, Philip T.
Prill, Erhard J.
Rhines, Chester E.
Rhodes, Thomas J.
Rumbold, John S.
Saulino, Anthony J.
Schoene, Dwight L.
Strickhouser, Sherman I., and Uhlig.
Stritter, Karl A.
Svendsen, Edward C., and Clayton.
Tawney, Pliny O.
Teague, Merwyn C.
Tewksbury, Lyndon B., Jr.
Tewksbury, Lyndon B., Jr., and Howland.
Thornburg, Harold A.
Valentine, Frank R., Jr.
Van Buskirk, Edward C., and Butsch.
Warren, John C. R.
Wilson, Leonard.
Wilson, Thomas L., and Davison.
- United States Sheetwood Company, assignee: *See*—
Goss, Worth C.
Ross, Jack S.
- U. S. Slicing Machine Company, assignee: *See*—
Ahrndt, Arthur H.
Ahrndt, Arthur H., Krenzke, and Stukart.
Ahrndt, Arthur H., and Meyer.
Meyer, Paul H.
- U. S. Slicing Machine Company, assignee: *See*—Continued.
Pfister, Harry C., and Meyer.
Teague, Walter D., Jr., and Ensign.
Van Duyn, Adrianus.
- U. S. Slicing Machine Company, Inc., assignee: *See*—
Stukart, Hendrik.
- United States Steel Corporation of Delaware, assignee: *See*—
Hammerstrom, Karl R.
King, Clarence D., and Nielsen.
Zimmerman, Rufus E.
- U. S. Thermo Control Co., assignee: *See*—
Jones, Frederick M.
- United States Time Corporation, assignee: *See*—
McAloon, Francis R.
- United States Time Corporation, The, assignee: *See*—
Adduci, Raymond V.
Andrews, George S.
Harris, Wilbur T.
Hummel, Louis A.
- United States Vanadium Corporation, assignee: *See*—
Burwell, Blair, and Brennan.
Carosella, Michael C.
- Universag Technische A. G., assignee: *See*—
Fazekas, Oscar M.
- Universal Atlas Cement Company, assignee: *See*—
Ludwig, Norman C.
Overmyer, Perry F.
Robison, Sidney J.
Ruedi, Arthur F.
- Universal Electronic Laboratories, Inc., assignee: *See*—
MacLean, William R.
Rosoff, Arthur L.
- Universal Milking Machine Company, The, assignee: *See*—
Stanke, Frank W., and Bender.
- Universal Moulded Products Corporation, assignee: *See*—
Nebesar, Robert J.
- Universal Oil Products Company, assignee: *See*—
Angell, Charles H.
Bloch, Herman S.
Bloch, Herman S., and Hervert.
Chenicek, Joseph A.
Chenicek, Joseph A., and Thompson.
Danforth, Joseph D.
Delattre-Seguy, Jean.
Druge, Lucien W.
Ehrhardt, Charles H.
Fenske, Ellsworth R.
Friedman, Bernard S., and Gunter.
Gerhold, Clarence G.
Gerhold, Clarence G., and Mekler.
Grote, Henry W.
Haensel, Vladimir.
Haensel, Vladimir, and Gerald.
Hensel, Walter C.
Hervert, George L., and Murray.
Huff, Lyman C.
Hulsberg, William E.
Ipatieff, Vladimir N., and Monroe.
Ipatieff, Vladimir N., and Pines.
Iverson, John O.
Johnstone, Warren W.
Jones, Edwin K.
Kanhof, Elmer R.
Leffer, Frederick W.
Linn, Carl B.
Mavity, Julian M.
Mayland, Harrison C. and Gerhold.
Murray, Maurice J.
Pines, Herman, and Ipatieff.
Rodman, Hugh.
Rosenwald, Robert H.
Schmerling, Louis.
Shanley, William B.
Thomas, Charles L.
Thompson, Ralph B.
Thompson, Ralph B., and Chenicek.
Wackher, Richard C., and Linn.
Ward, John W.
Watson, Charles C.
Webb, Glenn M.
Webb, Glenn M., and Moehl.
Webb, Glenn M., and Smith.
Wenzke, Herman H.
Zimmerman, Gordon B., and Gerhold.
- Universal Products Company, Inc., assignee: *See*—
Dunn, George E.
- Universal Properties, Inc., assignee: *See*—
Martin, Earnest E.
- Universal Steel Equipment Corporation, assignee: *See*—
Rosenberg, Philip.
- Universal Winding Company, assignee: *See*—
Jones, Charles H.
Winslow, Albert E.
Winslow, Albert E., and Eppler.
- Universal Wire Spring Company, The, assignee: *See*—
Neely, William H.
Neely, William H., and Blumensadt.
- University of Illinois, The Board of Trustees, assignee: *See*—
Adams, Gail D., Jr.
- University of Michigan, Regents of the, assignee: *See*—
Blicke, Frederick F.

- University of Minnesota, Regents of the, assignee: *See—*
Nier, Alfred O. C.
- University of Oklahoma Research Institute, assignee: *See—*
Burwell, Albert L.
- University of Rochester, assignee: *See—*
Urbach, Franz.
- University of Tennessee Research Corporation, assignee: *See—*
Arnold, Harold A.
Dulaney, Anna D.
Rosenthal, Fritz.
- University of Tennessee Research Corporation, The, assignee: *See—*
Hertel, Kenneth L.
- Unke, Herman A., Parma Heights, Ohio. Thread protector. 2,466,709, Apr. 19.
- Unruh, Abraham M., Sterling, Colo. Grain bin indicator. 2,475,438, July 6.
- Unruh, Cornelius C.: *See—*
Kenyon, William O., and Unruh.
- Unruh, Leland B., assignee: *See—*
Unruh, Oliver K.
- Unruh, Oliver K., assignor of one-fourth to L. B. Unruh, McPherson, Kans. Winch clutch. 2,464,907, Mar. 22.
- Unschuld, Henry M., assignee: *See—*
Degner, Charles F.
- Unschuld, Henry M., Chicago, Ill. Flow tube. 2,458,320, Jan. 4.
- Unschuld, Henry M., Chicago, Ill. Flow tube. 2,458,321, Jan. 4.
- Unwin, Kenneth J., assignor to Quaker Foundation, Inc., Kenosha, Wis. Outside clothes drier. 2,474,922, July 5.
- Upchurch, Thomas B., Jr., Raeford, N. C. Inflight tire gauge. 2,492,450, Dec. 27.
- Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Process utilizing moving solid catalyst. 2,459,474, Jan. 18.
- Upjohn Company, The, assignee: *See—*
Cartland, George F.
Cartland, George F., Haines, and Bohonos.
Cookson, Leonard T.
Correll, John T.
Hunter, James H., and Leach.
Hunter, James H., and Reid.
Kolloff, Harold G.
Laure, George R., and Cookson.
Norton, John F.
Reitsem, Robert H.
Vander Brook, Milton J., and Savage.
Woodruff, Eugene H.
Zienty, Mitchell F.
- Upton, Albertus: *See—*
Reese, Earl R., and Upton.
- Upton, Eugene S., Los Angeles, Calif. Drawing instrument. 2,484,361, Oct. 11.
- Upton, Richard C., Mount Clemens, assignor of one-half to Commerce Pattern Foundry & Machine Company, Detroit, Mich. Continuous replenishment of electrodes in electric salt bath structures. 2,464,008, Mar. 8.
- Upton, William H., Grand Prairie, Tex. Attachment for tractors. 2,488,695, Nov. 22.
- Urbach, Franz, assignor to Eastman Kodak Company, Rochester, N. Y. Photorecording. 2,482,813, Sept. 27.
- Urbach, Franz, assignor to Eastman Kodak Company, Rochester, N. Y. Photorecording. 2,482,814, Sept. 27.
- Urbach, Franz, assignor to University of Rochester, Rochester, N. Y. Infrared photography. 2,482,815, Sept. 27.
- Urbain, Walter M.: *See—*
Kaufman, Floyd L., and Urbain.
- Urbain, Walter M., Berwyn, and Leon D. Mink, assignors to Swift & Company, Chicago, Ill. Egg improving process. 2,458,449, Jan. 4.
- Urbain, Walter M., Western Springs, and P. Schauert, assignors to Swift & Company, Chicago, Ill. High-frequency electrostatic field apparatus for egg pasteurization. 2,473,041, June 14.
- Urban, Joseph T., Easton, Pa., and A. Batzdorff, Brooklyn, N. Y., said Urban assignor to said Batzdorff. Blade holder. 2,482,385, Sept. 20.
- Urban, Victor: *See—*
MacClean, Frank W., and Urban.
- Urban, William J., Glen Ellyn, assignor to American Ore Reclamation Company, Chicago, Ill. Pallet grate bar holding means. 2,465,559, Mar. 29.
- Urban, William J., Glen Ellyn, assignor to American Ore Reclamation Company, Chicago, Ill. Sintering machine dead plate. 2,485,422, Oct. 18.
- Uren, Lester C., Berkeley, Calif., assignor to Texaco Development Corporation, New York, N. Y. Process and apparatus for the recovery of volatilizable constituents from underground carbonaceous formations. 2,481,051, Sept. 6.
- Urick, Robert J.: *See—*
Sherwood, Robert M., Urick, and Delsasso.
- Urist, Harold: *See—*
Martin, Gustav J., and Urist.
- Urist, Harold, and G. J. Martin, assignors to The National Drug Company, Philadelphia, Pa. Pantoyl-sulfanilamide derivatives. 2,465,765, Mar. 29.
- Urquhart, George K., Jr., Niagara Falls, N. Y. Caster mounting and control means for landing wheels of aircraft. 2,490,560, Dec. 6.
- Urquhart, Norman J., Scenery Hill, Pa., assignor to Combustion Processes Company. Low velocity oil burner. 2,458,541, Jan. 11.
- Urquhart, Norman J., Scenery Hill, Pa., assignor to Combustion Processes Company. Low velocity oil and gas burner. 2,458,542, Jan. 11.
- Urquhart, Norman J., Scenery Hill, Pa., assignor to Combustion Processes Company. Low velocity gas burner. 2,458,543, Jan. 11.
- Urry, Arthur S.: *See—*
Perry, Claude A., Wackrow, and Urry.
- Urry, Wilbert H.: *See—*
Kharasch, Morris S., and Urry.
- Urschel, Bertis H., assignor to The Urschel Engineering Company, Bowling Green, Ohio. Axle housing and gear casing unit and making same. 2,467,605, Apr. 19.
- Urschel, Bertis H., and L. H. Janzer, assignors to Urschel Engineering Company, Bowling Green, Ohio. Fluid pressure unit. 2,461,132, Feb. 8.
- Urschel Engineering Company, assignee: *See—*
Urschel, Bertis H.
- Urschel, Bertis H., and Janzer.
- Urschel, Gerald W., W. E., and J. R., Valparaiso, Ind., J. R. Urschel administrator of said W. E. Urschel, deceased. Machine for cutting vegetables into cubes. 2,465,670, Mar. 29.
- Urschel, Gerald W., and J. R., Valparaiso, Ind. Slicing machine. 2,482,523, Sept. 20.
- Urschel, Joe R.: *See—*
Urschel, Gerald W., and Joe R.
- Urschel, Joe R., administrator: *See—*
Urschel, William E.
- Urschel, Gerald W., W. E., and J. R.
- Urschel, William E.: *See—*
Urschel, Gerald W., W. E., and J. R.
- Urschel, William E., Valparaiso, Ind.; J. R. Urschel, administrator of said W. E. Urschel, deceased. Apparatus for cutting the tops from beets. 2,476,336, July 19.
- Urschel, William E., Valparaiso, Ind.; J. R. Urschel, administrator of said W. E. Urschel, deceased. Walking tractor. 2,491,064, Dec. 13.
- Ursich, Hubert J., Tacoma, Wash. Fishing apparatus. 2,488,451, Nov. 15.
- Urso, Ralph F., assignor to McCord Corporation, Detroit, Mich. Lubricator pump and reservoir assembly. 2,460,203, Jan. 25.
- Usai, Mario G., East Paterson, N. J. Hair-treating comb. 2,461,789, Feb. 15.
- Uschmann, Curt, and E. H. Jacobson, Lebanon, assignors to Cascades Plywood Corporation, Portland, Oreg. Sheet sorting mechanism. 2,478,610, Aug. 9.
- Usines Chimiques des Laboratoires Francais, et par abréviation U. C. L. A. F., assignee: *See—*
Penau, Henry, and Hagemann.
- Usines des Ressorts du Nord, assignee: *See—*
Sonneville, Roger.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Angular velocity modulation. 2,459,556, Jan. 18.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulation. 2,459,557, Jan. 18.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying. 2,461,456, Feb. 8.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,463,661, Mar. 8.
- Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electrical cavity resonator. 2,487,619, Nov. 8.
- Ussler, William, Jr., Philadelphia, Pa. Television picture mixing circuit. 2,490,561, Dec. 6.
- Usteri, Eduard: *See—*
Graenacher, Charles, Streuli, Geiger, and Usteri.
- Utah Scientific Research Foundation, assignee: *See—*
Hardman, James A.
- Utermohlen, William P., Jr., Charlottesville, Va., assignor to Eastman Kodak Company, Rochester, N. Y. Decolorization of esters of acrylic and α -alkyl acrylic acids. 2,458,450, Jan. 4.
- Utermohlen, William P., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Acylating amines. 2,472,633, June 7.
- Utica Drop Forge & Tool Corporation, assignee: *See—*
Darmara, Fahil N.
- Utica Duxbak Corporation, assignee: *See—*
Jones, Wardwell W.
- Utica Radiator Corporation, assignee: *See—*
Simon, Harold M.
- Utilities Distributors, Inc., assignee: *See—*
Anderson, Eric M.
- Utility Appliance Corp., assignee: *See—*
Abbott, John H., and Anger.
Wessel, John H.
- Utility Trailer Manufacturing Company, assignee: *See—*
Bennett, Walter.
- Utter, Gustaf E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 2,491,941, Dec. 20.
- Utter, Gustaf H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,491,142, Dec. 13.
- Utter, Joseph L.: *See—*
Kreidl, Ekkehard L., and Utter.

- Utterback, Ernest: *See*—
Sinclair, Edward L., and Utterback.
- Utterback, Ernest, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting gaseous reactions in the presence of solid particles. 2,486,229, Oct. 25.
- Utterback, Ernest, New York, N. Y., and E. V. Bergstrom, Short Hills, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Conducting gaseous reactions in the presence of a moving particle form solid. 2,477,502, July 26.
- Utterback, Ernest, Upper Darby, Pa., and E. V. Bergstrom, Short Hills, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Heat-treating solid inorganic adsorbents. 2,477,019, July 26.
- Utz, Chester C., Magnolia, Redford Station, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle stabilizing means. Re. 23,116, May 24.
- Uvalde Rock Asphalt Company, assignee: *See*—
Alvey, Glenn H.
- V. Amelsvoort, Bernardus M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Welding electrode holder. 2,486,092, Oct. 25.
- Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Forming nonthermoplastic synthetic resin films. 2,458,451, Jan. 4.
- Vaca, Humberto, Detroit, Mich. Eye shield. 2,467,448, Apr. 19.
- Vacca, Umberto, Brooklyn, N. Y. Swimming trunks. 2,483,076, Sept. 27.
- Vaccaro, Joseph: *See*—
Lane, Ralph I., and Vaccaro.
- Vacha, Fred P., Atlantic, Mass., assignor, by mesne assignments, to Redmond Company, Inc. Speed-responsive rheostat. 2,460,246, Jan. 25.
- Vacher, Nicholas, Saint-Etienne, France. Cycle brake. 2,460,204, Jan. 25.
- Vacheron, Lucy, Los Angeles, Calif. Drawer liner. 2,478,987, Aug. 16.
- Vaco Products Company, assignee: *See*—
Rock, George L.
- Vacuum Air Pressure Company, The, assignee: *See*—
Bushby, David.
- Vacuum Can Company, assignee: *See*—
Frie, Elmer W., and Haloski.
- Vacuum Concrete Inc., assignee: *See*—
Billner, Karl P.
- Vacuum Process Corporation, assignee: *See*—
Heinemann, Arnold H.
- Vagtborg, Harold A., Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magnetic recording and reproducing device with means to prevent accidental erase of record medium. 2,466,514, Apr. 5.
- Vahlteich, Hans W.: *See*—
Gooding, Chester M., Neal, and Vahlteich.
Gooding, Chester M., Vahlteich, and Neal.
Neal, Ralph H., Gooding, and Vahlteich.
Neal, Ralph H., Vahlteich, and Gooding.
- Vahlteich, Hans W., Edgewater, and R. H. Neal, Jersey City, N. J., and C. M. Gooding, Staten Island, N. Y., assignors to The Best Foods, Inc., New York, N. Y. Glyceridic oil composition and preparing same. 2,485,632, Oct. 25.
- Vahlteich, Hans W., Edgewater, and R. H. Neal, North Bergen, N. J., and C. M. Gooding, Staten Island, assignors to The Best Foods, Inc., New York, N. Y. Margarine and butter compositions. 2,485,634, Oct. 25.
- Vahlteich, Hans W., Englewood, N. J., C. M. Gooding, Staten Island, N. Y., and R. H. Neal, deceased, North Bergen, N. J., by E. Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Glyceridic oil compositions and preparing same. 2,485,639, Oct. 25.
- Vahlteich, Hans W., Englewood, N. J., C. M. Gooding, Staten Island, N. Y., and R. H. Neal, deceased, North Bergen, N. J., by E. Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Stabilized glyceridic oil compositions and preparing them. 2,485,640, Oct. 25.
- Vahrenkamp, George J.: *See*—
Hack, Carl H., Behr, and Vahrenkamp.
- Vahrenkamp, George J., Rolla, Mo., assignor to the United States of America as represented by the Secretary of the Interior. Production of shaped articles from fluoroite. 2,459,203, Jan. 18.
- Vail, Chester H. G., New York, N. Y. Fuse. 2,468,351, Apr. 26.
- Vail, Daniel R., Brookline, assignor to H. C. Tuttle, Boston, Mass., as trustee. Cell case machine. 2,478,794, Aug. 9.
- Vail Manufacturing Company, assignee: *See*—
Barclay, Robert E.
Vail, Walter J.
- Vail, Walter J., assignor to Vail Manufacturing Company, Chicago, Ill. Staple hammer. 2,463,579, Mar. 8.
- Vaira, Adolphus A.: *See*—
Barrett, Robert C., and Vaira.
- Valsey, Harold C., and F. G. Deming, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Key ring with a sliding closure member. 2,482,386, Sept. 20.
- Vaksvik, Adrian J.: *See*—
Arisman, Mervin B., Vaksvik, and Magnusen.
- Valach, Charles F., Berwyn, assignor to American Phenolic Corporation, Chicago, Ill. Antenna array. 2,481,801, Sept. 13.
- Valas, Peter D.: *See*—
Lechthaler, Charles H., Payne, and Valas.
- Valasek, Joseph, Omaha, Nebr. Collapsible duck decoy. 2,466,626, Apr. 5.
- Valco Manufacturing Co., assignee: *See*—
Widowson, Emery R.
- Valcourt, Inc., assignee: *See*—
Valentine, Joseph E.
- Valdale Company, Inc., assignee: *See*—
Daly, John.
- Vale, Jalva, Birmingham, Ala. Typewriter support. 2,474,385, June 28.
- Vale, Keith R., and J. E. Benson, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Electromagnetically operated vacuum sealed-relay. 2,485,024, Oct. 18.
- Valensi, Georges, Paris, France. Color television system. 2,492,926, Dec. 27.
- Valentine, Carroll E.: *See*—
Harder, Edwin L., and Valentine.
- Valentine, Frank A.: *See*—
Scott, David C., and Valentine.
- Valentine, Frank R., Jr., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. N-(hydroxy aryl) pyrroles as deterioration retarders. 2,489,000, Nov. 22.
- Valentine, Joseph E., West Caldwell, assignor, by mesne assignments, to Valcourt, Inc., Bonton, N. J. Puff-brushing machine. 2,477,154, July 26.
- Valentine Laboratories, Inc., assignee: *See*—
Boylan, Louis A.
- Valentino, Peter, Brooklyn, N. Y. Umbrella rib tip protector. 2,470,381, May 17.
- Valerius, John L., Granite City, Ill. Drain pipe reducer bushing. 2,480,791, Aug. 30.
- Valeton, Josue J. P.: *See*—
Haantjes, Johan, and Valeton.
- Vallance, Bertram, assignor to Naylor Brothers Limited, Golborne, England. Conveyor. 2,489,440, Nov. 29.
- Vallandigham, Vance V., Park Ridge, Ill., assignor to Kelco Company, San Diego, Calif. Alginate containing adhesive compositions. 2,477,912, Aug. 2.
- Valle, Charles, Caracas, Venezuela. Automatic transmission for motor vehicles. 2,469,799, May 10.
- Valley Mould and Iron Corporation, assignee: *See*—
Henry, Curtis R.
- Valley Welding & Boiler Co., assignee: *See*—
Curtiss, Charles B.
Herbert, John W.
- Vallone, Joseph M., and C. Sedita, assignors to Barcalo Manufacturing Company, Buffalo, N. Y. Trailing caster. 2,480,524, Aug. 30.
- Valverde, Robert, New York, N. Y. Snap action switch with creep-action motor. 2,478,344, Aug. 9.
- Valyi, Emerik I., New York, N. Y. Molding machine. 2,485,336, Oct. 18.
- Valyi, Emerik I., assignor to A. R. D. Corporation, New York, N. Y. Injection-molding machine. 2,491,343, Dec. 13.
- Vana, Charles A., Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Galvanizing flux compositions and processes. 2,481,457, Sept. 6.
- Van Ackeren, Joseph, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Coke-oven door. 2,478,215, Aug. 9.
- Vanadium Corporation of America, assignee: *See*—
Edlund, Daniel L., Oberle, and Strauss.
Weinig, Arthur J.
- Van Alen, De Witt T., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Resistance element for rheostats and potentiometers. 2,468,144, Apr. 26.
- Van Alen, De Witt T., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Nonlinear resistance element. 2,487,839, Nov. 15.
- Van Allen, William A.: *See*—
Van Straten, Florence W., and Van Allen.
- Van Almelo, Fred K., Nassau, N. Y. Differential pressure fluid servomotor. 2,459,475, Jan. 18.
- Van Alphen, Pieter M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Folded Schmidt television projector. 2,476,124, July 12.
- Van Amstel, Johannes J. A. P.: *See*—
Van Geel, Willem C., and Van Amstel.
- Vanasky, Andrew, Youngstown, Ohio. Sheet metal fitting. 2,489,601, Nov. 29.
- Van Atta, Chester M., Berkeley, Calif., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Vacuum pump. 2,492,075, Dec. 20.
- Van Atta, George R., Berkeley, and W. C. Dietrich, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Dehydrochlorination of chlorinated fatty acids and esters. 2,466,340, Apr. 5.

- Van Atta, Lester C., Winchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna system for short waves. 2,486,620, Nov. 1.
- Van Ausdal, James P., Eaton, Ohio. Sliding jaw wrench with clutch yoke. 2,480,274, Aug. 30.
- Van Busschoten, Walter, Santa Monica, Calif. Counter-bore. 2,485,077, Oct. 18.
- Van Berg, Charles F.: *See—*
Oliver, Eugene H., and Van Berg.
- Van Beurden, Franciscus F., Amsterdam, Netherlands. Apparatus for stretching and straightening shoes. 2,473,229, June 14.
- Van Beuren, John M., Morristown, assignor to Measurements Corporation, Boonton, N. J. Attenuator. 2,474,794, June 28.
- Van Beuren, John M., Morristown, assignor to Measurements Corporation, Boonton, N. J. Attenuator for high-frequency pickup devices. 2,474,795, June 28.
- Van Biema, Gerhard: *See—*
Degering, Edward F., and Van Biema.
- Van Billiard, Lewis H., Newton, Conn., assignor to General Electric Company. Loop antenna. 2,492,772, Dec. 27.
- Van Billiard, Lewis H., Newton, Conn., assignor to General Electric Company. Tuning unit. 2,492,773, Dec. 27.
- Van Bommel, Joseph S., Appleton, Wis. Framing for the protection of the joint between a sink and a linoleum-surfaced drainboard. 2,480,792, Aug. 30.
- Van Boven, Cornelius J.: *See—*
Brooks, Desmond B., and Van Boven.
- Van Brocklin, William S., Jr., Roslindale, Mass. Micrometer surface gauge. 2,478,677, Aug. 9.
- Van Brunt, John Deere, Company, assignee: *See—*
Hyland, William A.
Starr, John H.
- Van Buren, John, Brooklyn, N. Y. Machine for finishing or grinding arcuate surfaces. 2,487,201, Nov. 8.
- Van Buskirk, Edward C., and P. V. Butsch, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y. Making sponge rubber. 2,484,434, Oct. 11.
- Van Buskirk, Ernest M., East Moline, Ill., assignor to International Harvester Company. Center divider for tractor-mounted harvesters. 2,473,978, June 21.
- Van Buskirk, Leshar W., Easton, Pa. Drag bucket. 2,492,905, Dec. 27.
- Van Camp, Marguerite P.: *See—*
McFarland, Joseph L., and Van Camp.
- Van Camp, Marguerite P., Detroit, and J. L. McFarland, Royal Oak, Mich. Probe for detecting and locating sources of electromagnetic energy. 2,468,143, Apr. 26.
- Van Campen, John H.: *See—*
Kenyon, William O., and Van Campen.
Minsk, Louis M., Kenyon, and Van Campen.
Reynolds, Delbert D., and Van Campen.
- Van Campen, Marcus G., Jr.: *See—*
Shelton, Robert S., and Van Campen, Jr.
- Van Campen, Marcus G., Jr., Wyoming, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Alkylaminoalkyl esters of alicyclic-alicyclic carboxylic acids. 2,474,796, June 28.
- Vance, Calbert L., Columbus, assignor to Ohio-Ferro Alloys Corporation, Canton, Ohio. Alloying of gray iron in the cupola. 2,478,345, Aug. 9.
- Vance, Carroll M.: *See—*
Max, Abraham M., and Vance.
- Vancil, Edgar D.: *See—*
Romaine, Millard, and Vancil.
- Vancil, Edgar D., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine transmission and control. 2,459,976, Jan. 25.
- Van Cleef, Paul, Chicago, Ill., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Tape dispenser. 2,463,445, Mar. 1.
- Van Cleve, John W.: *See—*
Newsome, James W., and Van Cleve.
- Van Daam, Gerrit, Buffalo, N. Y. Electrically heated wearing apparel. 2,458,119, Jan. 4.
- Van Daam, Gerrit, Buffalo, N. Y. Electrically heated device. 2,467,349, Apr. 12.
- Vandal, Delphis, Halifax, Nova Scotia, Canada. Hot-water boiler. 2,482,992, Sept. 27.
- Vandal, Joseph A., Bismarck, N. Dak. Device used in golfing. 2,475,763, July 12.
- Van de Griendt, Gerald H., Belmont, Mass., and L. M. Peters, assignors to Shell Development Company, San Francisco, Calif. Catalytic hydrolysis of unsaturated halides. 2,475,364, July 5.
- Vandegrift, Robert M., assignee: *See—*
Phillips, Delbert L.
- Van Degrift, Thomas C., assignor to General Motors Corporation, Detroit, Mich. Torsional vibration exhibiting means. 2,474,408, June 28.
- Van Delden, William H., Cedar Grove, and J. B. Rust, Montclair, N. J., assignors to Montclair Research Corporation. Oxycellulose products, their manufacture and utilization. 2,482,042, Sept. 13.
- Van Denberg, Thomas F., Cleveland Heights, and J. Selby, Euclid, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Thermomagnetic safety pilot mechanism. 2,466,515, Apr. 5.
- Van Denberg, Thomas F., Cleveland Heights, and J. Selby, Euclid, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Safety valve mechanism. 2,481,265, Sept. 6.
- Van den Berge, Jacob, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of asphalt composition. 2,465,960, Mar. 29.
- Van den Berge, Jacob, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Bitumen coated surface and making. 2,481,370, Sept. 6.
- Van den Berge, Jan H., and G. Starre, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube with improved electrode system. 2,490,177, Dec. 6.
- Van den Burg, Willem, Kuils River, Union of South Africa. Rod packing. 2,467,510, Apr. 19.
- Van den Bussche, Hendrik K., J., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Liquid fuel burner with rotatable atomizing cup. 2,474,020, June 21.
- Van den Hoogenhoff, Albertus J.: *See—*
Fennema, Pieter H., and van den Hoogenhoff.
- Van den Hove, Pieter H., Jr., Amsterdam, Netherlands. Graining machine having a vibratory table. 2,466,516, Apr. 5.
- Vanderbilt, Byron M.: *See—*
Gleason, Anthony H., and Vanderbilt.
- Vanderbilt, Byron M., Westfield, N. J., and F. Bascom, Staten Island, N. Y., assignor to Standard Oil Development Company. Diolefin polymerization in the presence of ammonium soap emulsifier. 2,461,358, Feb. 8.
- Vanderbilt, Byron M., Westfield, and J. D. Hetchler, Rutherford, N. J.; said Vanderbilt assignor to Standard Oil Development Company, and said Hetchler assignor to Archer-Daniels-Midland Company, Minneapolis, Minn. Emulsion polymerization in the presence of selectively hydrogenated tallow soaps. 2,470,417, May 17.
- Vanderbilt, Byron M., Westfield, N. J., and F. Bascom, Staten Island, N. Y., assignors to Standard Oil Development Company. Emulsion polymerization of diolefins in the presence of an alkyl ethanolamine soap. 2,488,149, Nov. 15.
- Vanderbilt, R. T., Company, Inc., assignee: *See—*
Bradley, Charles E., Jr.
Craig, William L.
Russell, William F.
- Vanderbosch, Edward F., Mishawaka, Ind. Drive mechanism. 2,463,332, Mar. 1.
- Vander Brook, Milton J., and G. M. Savage, assignors to The Upjohn Company, Kalamazoo, Mich. Seed cultures of filamentous organisms. 2,488,248, Nov. 15.
- Van Dercar, Lewis E., Miami, Fla. Water closet flushing mechanism. 2,472,634, June 7.
- Vander Clute, William W., assignor to Round Root Corporation, Elizabeth, N. J. Welded coupling. 2,463,006, Mar. 1.
- Vander Clute, William W., assignor to Round Root Corporation, Elizabeth, N. J. Pliers having insulated jaws and handles. 2,488,484, Nov. 15.
- Van der Heem, Jan, The Hague, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stabilized power supply. 2,459,977, Jan. 25.
- Van der Heem, Jan, The Hague, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for the band-spread tuning of radio apparatus. 2,486,692, Nov. 1.
- Vander Henst, Abraham, assignor to National Brass Company, Grand Rapids, Mich. Bathroom locking latch. 2,473,080, June 14.
- Vanderhide, Robert E., Kelly Field, Tex. Automatic drilling machine. 2,460,156, Jan. 25.
- Van der Hoeven, Bernard J. C., Windy Ghou, Beaver, assignor to Koppers Company, Inc., Pittsburgh, Pa. Recovery of by-product ether. 2,474,874, July 5.
- Vanderjagt, Barend G. H., now by change of name: *See—*
Van der Jagt, Barend B. H.
- Van der Jagt, Barend G. H., Mayaguez, P. R., now by change of name B. G. H. Vanderjagt. Hard fiber carding machine. 2,464,009, Mar. 8.
- Van der Kroon, Henricus A., Ede, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial sponges from viscose. 2,490,178, Dec. 6.
- Van der Korput, Arnoldus J. J. M., Baarn, Netherlands. Apparatus for determining the strength of paper and other foliaceous material. 2,487,908, Nov. 15.
- Van der Laan, Panacras J.: *See—*
Van Eekelen, Marie, and van der Laan.
- Van der Meer, Samuel, Delft, assignor to Rubber-Stichting, Delft, Netherlands. Vulcanization of rubber. 2,483,026, Sept. 27.
- Van der Mei, Anne, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Process and apparatus for threading up continuous spinning machines. 2,459,254, Jan. 18.
- Van der Minne, Johan L., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Lubricating oil compositions. 2,472,503, June 7.

- Van der Neut, Teunis, assignor to Bakovenbouw voorheen H. P. den Boer N. V., Dordrecht, Netherlands. Oven. 2,483,681, Oct. 4.
- Vanderpool, Albert G. H.: *See*—Crozier, Harold E.
- Vanderpool, Harold D.: *See*—McGee, Kenneth, and Vanderpool.
- Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Apparatus for handling and processing molten refractory materials. 2,489,602, Nov. 29.
- Van der Sluys, William, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Truck hanger suspension. 2,483,858, Oct. 4.
- Vanderveld, Anthony: *See*—Clouse, Earl L., and Vanderveld.
- Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Display case construction. 2,463,128, Mar. 1.
- Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Store furniture. 2,464,470, Mar. 15.
- Vandervell Products Limited, assignee: *See*—Johnson, Ernest W.
- Vandervieren, Aimé A., Berkhamsted, England. Stapling machine. 2,492,509, Dec. 27.
- Vanderwall, Ernest H., Oakland, Calif. Lathe center. 2,464,359, Mar. 15.
- Vanderweil, Raimund G., Woodbury, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Composite heat exchange fin. 2,464,735, Mar. 15.
- Vanderweil, Raimund G., Woodbury, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Laminated heat-exchange fin. 2,477,839, Aug. 2.
- Van Der Werff, Jacob B., Pasadena, Calif., assignor to Adel Precision Products Corp. Four-way valve. 2,476,519, July 19.
- Van der Willigen, Paul C., S. D. Boon, and J. Holierhoek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric arc welding. 2,490,179, Dec. 6.
- Van der Willigen, Paul C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coated welding rod for electric arc-welding. 2,491,593, Dec. 20.
- Van der Windt, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Machine for welding together pieces of metal wire. 2,463,129, Mar. 1.
- Vanderzee, Harry H., assignor to Twin Disc Clutch Company, Racine, Wis. Fluid pressure operated multiple clutch. 2,464,538, Mar. 15.
- Van der Ziel, Aldert: *See*—Strutt, Maximiliaan J. O., and van der Ziel.
- Van de Straete, Leo A., Mortsel-Antwerp, assignor to Gevaert Photo-Producten N. V., Antwerp, Belgium. Meso alkyl mercapto substituted carbocyanines and preparing same. 2,484,536, Oct. 11.
- Van Dieck, Willem J. D., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Apparatus for contacting immiscible liquids. 2,488,884, Nov. 22.
- Van Dinter, George L., Pomona, Calif., and W. E. Austin, assignors to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Boot form. 2,462,239, Feb. 22.
- Van Doren, William L., Wenatchee, Wash. Box lidding machine. 2,486,893, Nov. 1.
- Van Doorn, Herman C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Starting device for non-self-starting phonograph motors. 2,478,346, Aug. 9.
- Van Dornael, André E., Heverlee, near Louvain, and T. H. Ghys, Antwerp, assignors to Gevaert Photo-Producten N. V., Mortsel, near Antwerp, Belgium. Preparing omega ketones usable as intermediate products for the manufacture of polymethine dyes. 2,468,577, Apr. 26.
- Van Dorn, Herbert E., Chicago, Ill., assignor to The Dornvan Corporation. Tight lock car coupler. 2,485,337, Oct. 18.
- Van Dorn, Herbert E., Chicago, Ill., assignor to The Dornvan Corporation. Tight lock car coupler. 2,485,338, Oct. 18.
- Van Dorp, David A., and J. F. Arens, assignors to N. V. Organon, Oss, Netherlands. Pyridine derivatives, derived from ionine. 2,476,729, July 12.
- Van Dorsten, Adrianus C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Current interrupting circuit. 2,490,562, Dec. 6.
- Van Dusen, Frederick J., and W. A. Burke, New York, N. Y. Device for swinging ship. 2,466,753, Apr. 12.
- Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,486,810, Nov. 1.
- Van Dyk & Company, Inc., assignee: *See*—Schrieber, Albert A.
- Van Dyk, Henry: *See*—Bertolini, Charles J., and Van Dyke.
- Van Dyke, Henry A., Pacific Palisades, Calif., assignor to the United States of America as represented by the Secretary of War. Bombight with trail angle sighting reflector means. 2,484,537, Oct. 11.
- Van Dyke, Orien W., assignor to Magnet Cove Barium Corporation, Houston, Tex. Preventing fluid loss through porous walls. 2,477,219, July 26.
- Van Dyke, William D., Lawndale, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. High-temperature strain gauge and making same. 2,481,371, Sept. 6.
- Van Eaton, John J., Seahurst, Wash. Propeller propulsion means. 2,475,115, July 5.
- Van Eekelen, Marie, and P. J. van der Laan, Utrecht, assignors to Nederlandsche, Organisatie voor toepastnatuurwetenschappelijk onderzoek ten behoeve van de Voeding, The Hague, Netherlands. Producing ascorbic acid from 2-keto-levo-gulonic acid or its derivatives. 2,491,065, Dec. 13.
- Van Eijk, Willem, Amsterdam, assignor to Nederlandsche Centrale Organisatie Voor Toepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Aqueous fungicidal dispersions of salicylanilide. 2,485,339, Oct. 18.
- Van Epps, Clarence F., Lockport, N. Y., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Amino-aldehyde adhesives. 2,492,510, Dec. 27.
- Vanerka, Charles, Cicero, Ill. Time controlled heating system for motor vehicles. 2,475,166, July 5.
- Van Ess, Paul R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,487,840, Nov. 15.
- Van Evera, Margaret L.: *See*—Allen, Adda M., and Van Evera.
- Van Fleet, Clarence D., Somerville, N. J., assignor to Standard Oil Development Company. Electrical connecting and sealing device. 2,490,328, Dec. 6.
- Van Fleet, Glen: *See*—Hargrett, Wilson W., Trail, Kureth, and Van Fleet.
- Van Fleet, Vincent, Detroit, Mich. Storm sash and screen assembly. 2,467,511, Apr. 19.
- Van Gastie, Grant L., Columbus, Ohio. Radio supporting bracket for motorcycles. 2,490,563, Dec. 6.
- Van Geel, Willem C., and J. J. A. P. van Amstel, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Blocking-layer cell. 2,465,768, Mar. 29.
- Van Geel, Willem C., and L. A. L. Esseling, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., trustee. Manufacturing a selenium blocking-layer cell. 2,468,003, Apr. 19.
- Van Geel, Willem C., and L. A. L. Esseling, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Blocking-layer cell. 2,468,527, Apr. 26.
- Van Gleson, David W., New York, N. Y. Rotatable illuminated advertising sign. 2,482,886, Sept. 27.
- Van Gilder, Burrows C., North Wales, assignor to The Union Switch and Signal Company, Swissvale, Pa. Transmitting apparatus for inductive carrier railway train communication systems. 2,469,138, May 3.
- Van Gilder, Carl F., Roselle, N. J., assignor to Standard Oil Development Company. Stabilization of low unsaturation isocolefinic polymers. 2,470,447, May 17.
- Van Gilder, Russell D., Avalon, Pa., assignor to the United States of America as represented by the Secretary of War. Electrodeposition of gold on tantalum. 2,492,204, Dec. 27.
- Van Graafeiland, Wesley: *See*—Schade, Willy, and Van Graafeiland.
- Van Guelpen, Louis J., assignor to The Interstate Folding Box Company, Middletown, Ohio. Apparatus for coating webs. 2,464,771, Mar. 15.
- Van Halewijn, Arie, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Dissolving apparatus for the preparation of cellulose solutions. 2,466,649, Apr. 5.
- Van Halteren, Andrew S., assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum. 2,485,993, Oct. 25.
- Van Hartesveldt, Carroll H.: *See*—Turner, William R., Schreiber, and van Hartesveldt.
- Van Hasselt, Marc, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Repeater for submarine electric cables. 2,471,465, May 31.
- Van Hee, Achiel B., and W. A., Detroit, Mich. Artificial fish bait. 2,467,244, Apr. 12.
- Van Hee, William A.: *See*—Van Hee, Achiel B., and W. A.
- Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-air engine actuated refrigerating apparatus. 2,484,392, Oct. 11.
- Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas engine heater head arrangement. 2,484,393, Oct. 11.
- Van Heeckeren, Willem J., H. H. M. Meyer, and H. Rinia, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Lubrication of piston engines. 2,488,354, Nov. 15.

- Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Device for passing a rotary shaft through a wall in a gastight manner. 2,488,784, Nov. 22.
- Van Heerden, Christoffel F., assignee: *See*—Rousseau, Johannes J.
- Van Hofweegen, Johannes M.: *See*—Strutt, Maximilian J. O., and van Hofweegen.
- Van Hook, John O.: *See*—Drake, Nathan L., and Van Hook.
- Van Hoose, William E., Los Angeles, Calif. Ratchet wrench. 2,463,220, Mar. 1.
- Van Hoose, William E., Los Angeles, Calif. Ratchet wrench. 2,463,221, Mar. 1.
- Van Horn, Clarence R.: *See*—Czarnikow, George K., and Van Horn.
- Van Horn, Earl, Mineola, N. Y. Roller skate wheel. 2,484,974, Oct. 18.
- Van Horn, Harry T., Highland Park, N. J., and R. M. Koppelhofer, Jackson Heights, N. Y., assignors to Socoy-Vacuum Oil Company, Incorporated. Decoration of ceramic ware. 2,476,570, July 19.
- Van Horn, Irving H., East Cleveland, and L. G. Leighton, Cleveland, Ohio, assignors to General Electric Company. Incandescent lamp. 2,467,710, Apr. 19.
- Van Horne Kaestoner Leather Co., assignee: *See*—Garyait, Henry.
- Vanick, James S., Westfield, N. J., and E. J. Bothwell, New Brighton, assignors to The International Nickel Company, Inc., New York, N. Y. Cooking utensil. 2,489,471, Nov. 29.
- Van Ingen Schenau, Bernardus W.: *See*—Boelens, Willem W., Hepp, van Slooten, and van Ingen Schenau.
- Van Ingen Schenau, Bernardus W., Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for generating a saw-tooth-shaped current in a coil. 2,476,164, July 12.
- Van Issum, Hans: *See*—Führhop, Wilhelm F., and Van Issum.
- Van Issum, Hans, Heaton, Bradford, assignor to Fabric Development Company Limited, Bradford, Yorkshire, England. Manufacture of pile fabrics. 2,480,984, Sept. 6.
- Vanity Fair Mills, Inc., assignee: *See*—Amidon, Roy C.
- Blake, Marion E., and Gartman, Young, George O.
- Van Karner, Joseph W., New York, N. Y. Smoke signaling device. 2,476,125, July 12.
- Van Lammeren, Johannes A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver apparatus. 2,486,230, Oct. 25.
- Van Lanen, James M.: *See*—Tsuchiya, Henry M., Van Lanen, and Langlykke.
- Vanleirsberghe, Leonard, La Grange Park, Ill. Lever actuated portable tire removing tool. 2,463,071, Mar. 1.
- Vanleirsberghe, Leonard, La Grange Park, Ill. Jack-type tire removing tool. 2,464,621, Mar. 15.
- Van Liempt, Johannes A. M., F. Prakte, H. J. Landsbergen, and J. H. M. van Uden, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrode spacer. 2,459,476, Jan. 18.
- Van Liempt, Johannes A. M., and J. Bergmans, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Electric lamp manufacture. 2,482,447, Sept. 20.
- Van Liempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company, Schenectady, N. Y. Guttering incandescent lamps or discharge tubes. 2,491,880, Dec. 20.
- Van Liempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company. Darkroom lamp. 2,491,881, Dec. 20.
- Van Loenen, William F., Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Explosive composition. 2,477,549, July 26.
- Van London, William J., Houston, Tex. Constructing center parting and contraction joints and sealing expansion joints in pavements. 2,479,434, Aug. 16.
- Van Loon, Mintje, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Mineral lubricating oil. 2,477,913, Aug. 2.
- Van Loon, Mintje, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Antirring sticking lubricating composition. 2,483,859, Oct. 4.
- Van Looy, Franciscus C., and P. Schouwstra, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a gaseous discharge tube. 2,480,060, Aug. 23.
- Van Mater, Henry L., Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Treatment of textiles and composition therefor. 2,457,853, Jan. 4.
- Van Mater, Henry L., Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Waterproofing textiles with zirconyl compounds. 2,482,816, Sept. 27.
- Van Meurs, Hubertus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge device with connector of low thermal and high electrical conductivity. 2,465,769, Mar. 29.
- Van Millingen, Reuel D., Leicester, and G. R. White, Braunstone, assignors to Power Jets (Research & Development) Limited, London, England. Centrifugal compressor, pump, and the like. 2,465,671, Mar. 29.
- Van Ness, William C., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanism for sewing machines. 2,482,077, Sept. 13.
- Van Nest, John E.: *See*—Shearer, Howard E., and Van Nest.
- Vang, Alfred, Newark, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Welding can lock seams with high-frequency current. 2,484,973, Oct. 18.
- Vang, Alfred, New York, N. Y. Electric stored energy resistance welding system. 2,473,772, June 21.
- assembly. 2,467,511, Apr. 19.
- Vanni, Pierre G., Neuchatel, Switzerland. Driving device for revolving members. 2,458,452, Jan. 4.
- Vanni, Pierre G., Neuchatel, Switzerland. Regulating and feed apparatus for internal-combustion engines. 2,470,382, May 17.
- Vannini, Philipp, assignor to Landis & Gyr, A. G., Zug, Switzerland. Card holder actuated time recorder. 2,470,961, May 24.
- Van Nordstrand, Robert D., Scotia, N. Y., assignor to General Electric Company. Electric resistance furnace. 2,465,137, Mar. 22.
- Van Norman Company, assignee: *See*—Healy, Francis P.
- Hoddinott, William M.
- Scott, James Y., Healy, and Allen.
- Van Nort, William W. K., Cabin John, Md. Propeller. 2,473,665, June 21.
- Van Nouhuys, Herman L., Breda, Netherlands, assignor to American Enka Corporation, Enka, N. C. Improving the adsorption of carbon disulfide contained in gaseous mixtures incident to the manufacture of rayon. 2,466,871, Apr. 12.
- Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of air. 2,482,303, Sept. 20.
- Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovery of the constituents of gaseous mixtures. 2,482,304, Sept. 20.
- Van Olphen, Hendrik, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Grease. 2,465,961, Mar. 29.
- Van Orden, Paul S., Stirling, assignor to Breeze Corporation, Inc., Newark, N. J. Spark plug shield. 2,463,924, Mar. 8.
- Vanore, Joseph, Haledon, N. J. Picker stick connection. 2,466,287, Apr. 5.
- Van Ormondt, Johannes: *See*—DeBoer, Jan H., and Van Ormondt.
- Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube. 2,467,711, Apr. 19.
- Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for deflecting the cathode-ray beams in cathode-ray tubes. 2,488,452, Nov. 15.
- Van Overbeek, Adrianus J. W. M., G. H. P. Alma, and C. P. Klöpping, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising a secondary emission electrode. 2,478,141, Aug. 2.
- Van Patten Pharmaceutical Company, assignee: *See*—Ferguson, Edgar A., Jr.
- Van Pelt Mfg. Co., assignee: *See*—Van Pelt, Oliver A.
- Van Pelt, Oliver A., assignor to Van Pelt Mfg. Co., Gallen, Mich. Catch construction for ironing tables. 2,484,768, Oct. 11.
- Van Peski, Adrianus J., deceased, Amsterdam, Netherlands, by C. C. J. van Peski, executrix, Bussum, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Polymerization of olefins in the presence of nitrogen compounds. 2,478,066, Aug. 2.
- Van Peski, Carolina C. J., executrix: *See*—Van Peski, Adrianus J., and C. C. J.
- Van Raden, Harvey B., assignor to Peerless Trailer and Truck Service, Inc., Portland, Ore. Dual axle wheel unit. 2,481,891, Sept. 13.
- Van Ranst, Cornelius W., Dearborn, Mich. Fuel pump. 2,464,196, Mar. 8.
- Van Riel, Pieter, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Discharger for centrifugal machines. 2,483,601, Oct. 4.
- Van Riper, John V.: *See*—Harrigan, C. H., Wetzold, Norcross, and Van Riper.
- Van Riper, Julian W., Fair Lawn, assignor to John Royle & Sons, Paterson, N. J. Extrusion apparatus. 2,473,230, June 14.

- Van Rosen, Robert, New York, N. Y., assignor to J. Makowsky Corporation. Display box. 2,472,449, June 7.
- Van Rosen, Robert, New York, N. Y. Receptacle. 2,476,253, July 12.
- Van Ryan, Anthony: *See*—
Kyle, William D., Jr., and Van Ryan.
- Van Ryan, Anthony, South Milwaukee, Wis., assignor to Line Material Company. Circuit breaker and hydraulic actuating means therefor. 2,490,987, Dec. 13.
- Van Ryn, Jack C.: *See*—
Durst, George, and Van Ryn.
- Van Sant, Victor H., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Bending machine. 2,477,020, July 26.
- Van Saun, Raymond H., Richmond, assignor to California Container Corporation, Oakland, Calif. Shipping container. 2,484,975, Oct. 18.
- Van Schoor, Edgar H., and D. Joost, Chicago, Ill. Hanger device. 2,483,114, Sept. 27.
- Van Schuyver, John, Los Angeles, Calif. Valve coupling. 2,459,477, Jan. 18.
- Van Sciver, Herbert D.: *See*—
Callender, Edwin M., Phair, and Van Sciver.
- Van Sciver, Herbert D., II, Merion, assignor to The Budd Company, Philadelphia, Pa. Electric control apparatus for variable loads. 2,472,044, May 31.
- Vanselow, Waldemar and R. F. Quirk, assignors to Eastman Kodak Company, Rochester, N. Y. Latensification of photographic images. 2,484,538, Oct. 11.
- Van Sickle, Franklin R., Beech Grove, Ind. Time set control. 2,458,322, Jan. 4.
- Van Sickle, Roswell C.: *See*—
Baker, Benjamin P., Van Sickle, and Cumming.
- Van Sickle, Roswell C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,467,788, Apr. 19.
- Van Sittert, Paul, Shaker Heights, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Fluid actuated tool. 2,472,352, June 7.
- Van Sittert, Paul, Shaker Heights, and W. E. Barth, Vermilion, Ohio, assignors, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Nailing attachment for pneumatic hammers. 2,472,353, June 7.
- Van Slooten, Jacob: *See*—
Boelens, Willem W., Hepp, van Slooten, and van Ingen Schenau.
- Van Squires, Donald, Mount Gilead, Ohio. Cable connector for storage batteries and the like. 2,475,415, July 5.
- Van Straten, Florence W., Green Acres, Md., and W. A. Van Allen, Boston, Mass., said Van Allen assignor to said Van Straten. Crystallizing super-cooled water droplets. 2,480,275, Aug. 30.
- Van-Tuyl, Thomas K., Toronto, Ontario, Canada. Fuel injection pump. 2,465,138, Mar. 22.
- Van Uden, Jules H. M.: *See*—
Van Liempt, Johannes A. M., Prakke, Landsbergen, and van Uden.
- Van Uum, John H., Cleveland, B. Emming, Fairview Village, and C. Lohr, Cleveland, Ohio, assignors to The Cuyahoga Spring Company. Wall panel securing means. 2,490,663, Dec. 6.
- Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Electric switch. 2,463,333, Mar. 1.
- Van Valkenburgh, Edward A., Greene, N. Y. Tall oil acid composition. 2,483,797, Oct. 4.
- Van Veen, Anton, Canton Center, and K. B. Noble, Branford, Conn. Door check. 2,471,707, May 31.
- Van Vleck, Forest A., Placerville, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Box dumping machine. 2,459,204, Jan. 18.
- Van Vleck, Horace R., Upper Montclair, N. J. Motor vehicle. 2,472,450, June 7.
- Van Vleck, Robert D., Burbank, Calif. Ice cube machine. 2,466,831, Apr. 12.
- Van Vliet, Paul D., and B. J. Homkes, Galesburg, assignors to Liquid Carbonic Corporation, Chicago, Ill. Two-temperature refrigerator system. 2,462,240, Feb. 22.
- Van Voorhis, George S., assignor to United Elastic Corporation, Easthampton, Mass. Athletic supporter. 2,475,532, July 5.
- Van Voorhis, George S., Easthampton, Mass. Methods and apparatus for producing rubber thread. 2,479,527, Aug. 16.
- Van Voorhis, Noble, Canton, Ohio, assignor, by mesne assignments, of seventy-six and eighty-nine one-hundredths per cent to R. E. MacKenzie and twenty-three and eleven one-hundredths per cent to L. V. Bockius. Building construction. 2,460,662, Feb. 1.
- Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Bucket structure for excavators and loaders. 2,462,790, Feb. 22.
- Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Gear and rack type control. 2,485,792, Oct. 25.
- Van Voorthuysen, Jan J. B. v., and W. F. Engel, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of cyclohexane. 2,467,919, Apr. 19.
- Van Vulpen, John, Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. End heating radiator for railway cars. 2,467,350, Apr. 12.
- Van Vulpen, John, Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Train line coupler. 2,491,627, Dec. 20.
- Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ultra high frequency mixer circuit. 2,475,064, July 5.
- Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Cylinder head. 2,463,130, Mar. 1.
- Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Multicylinder hot-gas engine. 2,480,525, Aug. 30.
- Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Multicylinder refrigerating machine. 2,486,081, Oct. 25.
- Van Weenen, Franciscus L., and W. H. Stigter, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Hot gas engine with phase changer. 2,465,139, Mar. 22.
- Van Wijnen, Gijsbert J.: *See*—
Ter Berg, Jozef, and van Wijnen.
- Van Winkle, Delbert, Pittsburgh, Pa. Attachment for dial indicators. 2,480,891, Sept. 6.
- Van Winkle, James O., Omaha, Nebr., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal plate assembly fixture. 2,476,641, July 19.
- Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Morris, Rupert C., Shokal, and Van Winkle.
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle and Shokal.
- Van Zandt, Gertrude, Austin, Tex., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. 2-methyl-4-phenylbenzothiazole and quaternary salts thereof. 2,485,679, Oct. 25.
- Van Zandt, Rollin P.: *See*—
Rosen, Carl G. A., and Van Zandt.
- Van Zandt, Rollin P., Peoria, Ill., assignor to Caterpillar *Tractor Co., San Leandro, Calif. Gear construction and arrangement. 2,457,942, Jan. 4.
- Van Zanten, Pieter G.: *See*—
Veenemans, Cornelis F., and van Zanten.
- Van Zelm, Willem D., Ruxton, T. G. Hill, Severna Park, and G. R. Welden, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. High-speed, jet-propelled bomber airplane. 2,483,027, Sept. 27.
- Van Zwet, Willem L. C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparation of silicic-acid esters. 2,484,394, Oct. 11.
- Vapor Heating Corporation, assignee: *See*—
Gillick, Lawrence H., and Lehane.
Lehane, Timothy J.
Lehane, Timothy J., and Burgess.
Rhodes, Lewis B., and Lehane.
Van Vulpen, John.
- Vapor Rapid A. G., assignee: *See*—
Schranner, Alfred, and Spirig.
- Varble, Eri E., assignee: *See*—
Jones, Claude.
- Vard, Inc., assignee: *See*—
Hislop, John A.
- Varela, Arthur A., Washington, D. C. Rectangular wave impulse generator. 2,465,407, Mar. 29.
- Vargo, Edward J., Warrensville Heights, assignor to The Wellman Bronze and Aluminum Company, Cleveland, Ohio. Treating magnesium-base castings and improved magnesium-base alloys produced thereby. 2,477,503, July 26.
- Varian, Russell H.: *See*—
Ginzton, Edward L., Hansen, and Varian.
Hansen, William W., and Varian.
Hansen, William W., and S. F. and R. H. Varian.
Wathen, Robert L., and Varian.
- Varian, Russell H., Cupertino, assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Thermionic vacuum tube and circuit. 2,478,216, Aug. 9.
- Varian, Russell H., Garden City, N. Y., assignor to The Sperry Corporation. Radiant energy directivity pattern scanner. 2,464,276, Mar. 15.
- Varian, Russell H., Garden City, N. Y., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Frequency multiplier. 2,466,754, Apr. 12.
- Varian, Russell H., Palo Alto, Calif., assignor to The Sperry Corporation. Radiant energy directional apparatus. 2,462,925, Mar. 1.
- Varian, Russell H., Wantagh, N. Y., assignor to The Sperry Corporation. High-power high-frequency electron discharge apparatus. 2,466,063, Apr. 5.
- Varian, Russell H., Wantagh, N. Y., assignor to The Sperry Corporation. Secret radio communication. 2,476,337, July 19.
- Varian, Sigurd F.: *See*—
Hansen, William W., and S. F. and R. H. Varian.
- Varian, Sigurd F., Garden City, N. Y., assignor to The Sperry Corporation. Cavity resonator apparatus, including frequency control means. 2,468,145, Apr. 26.

- Varian, Sigurd F., Garden City, and E. L. Ginzton, Wantagh, N. Y., assignors to The Sperry Corporation. High-frequency tube structure. 2,475,652, July 12.
- Varnedoe, Robert M., Jr., Baltimore, Md. Trap. 2,490,180, Dec. 6.
- Varner, William V., Atmore, Ala. Air pressure indicator. 2,475,533, July 5.
- Varney, Frank M., Roanoke, Va. Heat supply control. 2,488,572, Nov. 22.
- Varney, Fred M.: *See—*
Varney, Justin A. and F. M., and Holter.
- Varney, Gordon, assignee: *See—*
Lindsay, James R.
- Varney, Justin A. and F. M., Los Angeles, and N. J. Holter, Beverly Hills, Calif., assignors to United Air Lines, Inc., Chicago, Ill. Hydraulically expandible hollow rivet. 2,492,605, Dec. 27.
- Varney, Kenneth W., and H. D. Allen, East Hampton, Conn. Aviator's belt. 2,458,810, Jan. 11.
- Varnum, Richard O., Bly, Oreg. Exercising toy. 2,477,504, July 26.
- Vars, Ethan W., assignor, by mesne assignments, to The Aldon Products Company, Duncannon, Pa. Knife sharpness tester. 2,472,994, June 14.
- Vars, Ethan W., Duncannon, assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa. Trailer hitch. 2,483,567, Oct. 4.
- Vartia, Karl H., assignee: *See—*
Korpela, Toivo B.
- Vasilas, Andrew B., Shreveport, La. Compact composite wallet. 2,477,840, Aug. 2.
- Vasquez, Gustavo: *See—*
Romero, José M., and Vasquez.
- Vassar, Ira D., Perkins, Okla. Boat trailer. 2,485,793, Oct. 25.
- Vasselli, Anthony J., Newark, N. J. Transmission belt joint. 2,461,859, Feb. 15.
- Vaughan, Arthur H., assignor to The Electric Furnace Company, Salem, Ohio. Heat-treating apparatus. 2,463,222, Mar. 1.
- Vaughan, John A.: *See—*
McLaren, Peter J., Vaughan, and Svensson.
- Vaughan, John T.: *See—*
Wood, Alden O., and Vaughan.
- Vaughan, Joseph A., and J. C. Vinson, assignors to Southern Wood Preserving Company, Atlanta, Ga. Method of and apparatus for partially dehydrating and cleansing oily wood preservatives. 2,474,705, June 28.
- Vaughan, Sam G., Harlingen, Tex., E. F. Grant, Arlington, Mass., W. Altar, and M. W. Dodd, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Modulator. 2,484,256, Oct. 11.
- Vaughan, Victor G., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic control. 2,461,904, Feb. 15.
- Vaughan, Victor G., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic switch and sealed adjusting control. 2,473,081, June 14.
- Vaughan, William E.: *See—*
Rust, Frederick F., Raley, and Vaughan.
Seubold, Frank H., Rust, and Vaughan.
- Vaughn, Albert E., Orange, N. J. Lipstick holder and lipstick. 2,461,790, Feb. 15.
- Vaughn, Albert E., Orange, N. J. Hair curler. 2,473,115, June 14.
- Vaughn, Bernard G., and W. V. Fell, Zanesville, Ohio, assignors to Armco Steel Corporation. Pack opening and sheet receiving means. 2,474,765, June 28.
- Vaughn Machinery Company, The, assignee: *See—*
McIlvried, Edwin J., and Nye.
Nye, Norman H.
- Vaughn, Thomas H.: *See—*
Bacon, Leslie R., and Vaughn.
- Vaule, Rae D.: *See—*
Vaule, Sven A. and R. D.
- Vaule, Sven A. and R. D., Freeport, Ill. Drawing board easel. 2,485,517, Oct. 18.
- Vaupel, Fred J., Lake Crystal, Minn. Chain tool. 2,467,279, Apr. 12.
- Vavrik, Louis, Rossford, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary power hand saw. 2,488,947, Nov. 22.
- Veatch, Franklin: *See—*
Hibbard, Robert R., and Veatch.
Hughes, Everett C., and Veatch.
- Veazey, Willis, New Iberia, assignor of fifteen per cent to F. J. Gesevius, Jr., New Orleans, La. Smoke consuming device. 2,491,840, Dec. 20.
- Veazie, Edmund A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeated transmission system, including multifilament amplifiers. 2,488,948, Nov. 22.
- Vedovell, Rudolph J., Kenilworth, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,478,067, Aug. 2.
- Vedovell, Rudolph J., Kenilworth, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,491,233, Dec. 13.
- Veeder-Root Incorporated, assignee: *See—*
Bliss, Harvey N.
Vroom, Harold B.
Wild, Otto, Jr.
- Veenemans, Cornelis F.: *See—*
Bienfait, Henri, and Veenemans.
- Veenemans, Cornelis F., and R. Loosjes, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing cathodes for electric discharge tubes. 2,463,727, Mar. 8.
- Veenemans, Cornelis F., and H. C. Hamaker, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Gettering for discharge tubes. 2,482,043, Sept. 13.
- Veenemans, Cornelis F., and P. G. van Zanten, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cold cathode discharge tube. 2,491,234, Dec. 13.
- Veenstra, George L., Oak Park, Ill. Magnetic alarm switch. 2,489,113, Nov. 22.
- Vega Company, assignee: *See—*
Nelson, William W.
- Veit, Hermann E., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Forming riveted joints. 2,464,622, Mar. 15.
- Veit, Hermann E., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Apparatus for the dimpling of hard metal alloys. 2,483,798, Oct. 4.
- Veit, Hermann E., Towson, Md., and C. H. Krout, York, Pa., assignors to The Glenn L. Martin Company, Middle River, Md. Dimpling tool. 2,483,799, Oct. 4.
- Veit, Robert C., East Detroit, Mich. Wrench kit. 2,465,619, Mar. 29.
- Veit, Robert C., East Detroit, Mich. Gravity type oil burner. 2,479,033, Aug. 16.
- Veitch, Thomas and T., Jr., Kew Gardens, N. Y., assignors to T. Veitch and T. Veitch, Jr., copartners doing business under the firm name of Thomas Veitch Laboratory, Deal, N. J. Power transmission and speed reducing apparatus. 2,458,036, Jan. 4.
- Veitch, Thomas, Jr.: *See—*
Veitch, Thomas and T., Jr.
- Veitch, Thomas, Laboratory, assignee: *See—*
Veitch, Thomas and T., Jr.
- Veldhuis, Albert C., assignor to R. W. Weeks, West Chester, Pa. Wind-driven electric power plant. 2,484,197, Oct. 11.
- Velez, Carmelo R., New York, N. Y. Ladies' vanity combination. 2,465,946, Mar. 29.
- Velsicol Corporation, assignee: *See—*
Kleiman, Morton.
- Veltman, John C., and W. O. Michelsen, St. Louis County, assignors to The Emerson Electric Mfg. Co., St. Louis, Mo. Noiseless escapement mechanism. 2,484,198, Oct. 11.
- Venable, Charles R.: *See—*
Glynn, Theodore W., and Venable.
- Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Fastener spring receptacle. 2,464,422, Mar. 15.
- Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Switch unit. 2,491,696, Dec. 20.
- Vendo Company, The, assignee: *See—*
Johnson, Elmer C., and Hagstrom.
Young, Cyril Charles, and Troupe.
- Vendorlor Manufacturing Company, assignee: *See—*
Childers, Harry S.
- Veneklasen, Paul S., South Pasadena, Calif., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Noise shield for handsets. 2,465,985, Mar. 29.
- Veneman, Orville D., Portland, Oreg. Gear-operated double-socket wrench. 2,482,387, Sept. 20.
- Venger, Jacob: *See—*
Bennett, Irving, Venger, and Waddell.
- Venne, Claude E., Tomahawk, Wis. Can perforator. 2,461,709, Feb. 15.
- Venner, William M., Clayton, and P. L. Bowser, Jr., University City, Mo. Piston. 2,465,766, Mar. 29.
- Venner, William M., Clayton, and P. L. Bowser, Jr., University City, Mo. Piston. 2,465,767, Mar. 29.
- Vennerholm, Gosta, Dearborn, H. D. Ford and F. C. Young, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Heat-treating steel. 2,472,320, June 7.
- Vennes, Harold J.: *See—*
Konicek, Frank, and Vennes.
- Ventilated Porch Shade Company, assignee: *See—*
Clark, Frank R.
- Venton, William, Detroit, Mich. Nutcracker. 2,491,628, Dec. 20.
- Ventre, Emil K., Baton Rouge, La., assignor to United States of America as represented by the Secretary of Agriculture. Extraction of aconitic acid from sugarcane. 2,469,090, May 3.
- Venus Foundation Garments, Inc., assignee: *See—*
Diebold, George L.
- Verbanc, John J., Tuxedo Park, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Zinc salts of aromatic mercaptans as processing agents for rubbers. 2,467,789, Apr. 19.

- Verbeek, Leo H., and G. H. Gerritsma, Eindhoven, Netherlands, assignors to General Electric Company. Reflecting electric lamp. 2,488,751, Nov. 22.
- Verburg, Cornelis: *See*—
Penning, Frans M., and Verburg.
- Verburg, Cornelis, and F. M. Penning, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for producing oscillations. 2,464,106, Mar. 8.
- Verch, George O., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pulverizer grate structure, including a curved-side filler piece. 2,463,223, Mar. 1.
- Verderber, Joseph, Cleveland, Ohio. Golf club. 2,475,926, July 12.
- Verderber, Joseph, Cleveland, Ohio. Golf club. 2,475,927, July 12.
- Verderber, Joseph, and R. H. Liska, Cleveland, Ohio. Lawn mower. 2,474,131, June 21.
- Verdery, Charlotte G., Phillipsburg, and C. G. Vogt, Union, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. 1-amino-4-(nitro-2'-hydroxy)-anilino-anthraquinone-2-sulfonic acids, the salts thereof and their chrome derivatives. 2,485,121, Oct. 18.
- Ve Relle, William H., Philadelphia, Pa. Necktie. 2,465,947, Mar. 29.
- Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container forming machine. 2,466,341, Apr. 5.
- Verhob, Anthony H., Ottawa, assignor to Weather-Seal, Inc., Barberton, Ohio. Sash lock and making the same. 2,468,646, Apr. 26.
- Verkitus, Anna, assignee: *See*—
Schiller, Morris.
- Verkuil, Leo L., assignor to Edwards and Company, Inc., Norwalk, Conn. Door signal device. 2,463,832, Mar. 8.
- Verkuil, Leo L., Tottenville, Staten Island, N. Y., assignor to Edwards and Company, Inc., Norwalk, Conn. Universal cable-clamping device. 2,459,603, Jan. 18.
- Verkuil, Leo L., Tottenville, Staten Island, N. Y., assignor to Edwards and Company, Inc., Norwalk, Conn. Universal cable-clamping device. 2,459,604, Jan. 18.
- Verman, Lal C.: *See*—
Sikka, Basheshar N., Singh, and Verman.
- Vermeer, Gerard J. H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Caloric piston engine comprising heat exchange devices. 2,475,764, July 12.
- Vermette, Lucien, Yonkers, N. Y. Machine for stripping insulation from wires. 2,485,518, Oct. 18.
- Vermeulen, Roelof: *See*—
De Boer, Kornelis, and Vermeulen.
Holst, Gilles, and Vermeulen.
- Vermeulen, Roelof, and W. Six, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for artificially generating speech sounds by electrical means. 2,458,227, Jan. 4.
- Vermillion, Raymond K., Fort Walton, Fla., and R. J. Cadwallader, Long Beach, Calif. Visual on and off control radio beam indicator. 2,491,785, Dec. 20.
- Vermilyea, Ira G., San Bernardino, Calif. Smoking pipe. 2,485,222, Oct. 18.
- Vermot, Henri E., assignor to Hamilton Watch Company, Lancaster, Pa. Watchcase. 2,467,062, Apr. 12.
- Verner, Jules, Linden, N. J., assignor to Standard Oil Development Company. Oil skimming device. 2,470,418, May 17.
- Vernet, Sergius, Yellow Springs, Ohio. Piston sealing means. 2,474,132, June 21.
- Vernier, George, Chicago, Ill., assignor to Zenith Radio Corporation. Electromagnetic bone vibrator. 2,482,044, Sept. 13.
- Vernier, George B., Chicago, and R. L. Rost, Park Ridge, Ill., assignors to Zenith Radio Corporation. Antenna. 2,491,629, Dec. 20.
- Vernon, Murray, assignor to S. E. & M. Vernon, Inc., New York, N. Y. Loose-leaf sheet and the like. 2,463,833, Mar. 8.
- Vernon, S. E. & M., Inc., assignee: *See*—
Vernon, Murray.
- Vernon, William F., Newton, Iowa. Shadow box. 2,483,744, Oct. 4.
- Versaw, Forest F.: *See*—
Bowman, John R., and Versaw.
- Verson Allsteel Press Company, assignee: *See*—
Verson, David C.
- Verson, David C., assignor to Verson Allsteel Press Company, Chicago, Ill. Press with hydraulically controlled blankholder. 2,460,612, Feb. 1.
- Verstynen, Joseph C.: *See*—
Hallberg, Elmer E., and Verstynen.
- Vertifite, Inc., assignee: *See*—
Donley, Carson O.
- Vertson, John A., Brea, Calif. Gear pump. 2,484,917, Oct. 18.
- Verwey, Evert J. W.: *See*—
Padmos, Adriaan A., and Verwey.
- Verwey, Evert J. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric resistance and making. 2,492,543, Dec. 27.
- Verwey, Evert J. W., P. W. Haayman, and A. Bol, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric resistance element. 2,475,864, July 12.
- Vesper, Louis J., Los Angeles, Calif. Replacement handle. 2,469,705, May 10.
- Vestal, Edwin C., Jr., Siler City, N. C. Controllable output circuit. 2,457,854, Jan. 4.
- Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,471,129, May 24.
- Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing an iron catalyst promoted with an alkali metal fluoroborate. 2,471,130, May 24.
- Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Reducing iron group metal oxides. 2,479,435, Aug. 16.
- Veterans Guild of America, assignee: *See*—
Cornwall, Leo W.
- Vetesek, John R. and L. L., Portland, Oreg., said L. L. Vetesek assignor to said J. R. Vetesek. Dividing strip for display cases. 2,479,282, Aug. 16.
- Vetesek, Leona L.: *See*—
Vetesek, John R. and L. L.
- Vettel, Arthur W., Watsonville, assignor to The Permanente Metals Corporation, Oakland, Calif. Purifying magnesia. 2,487,497, Nov. 8.
- Vetter, Herman, Los Angeles, Calif. Portable ice skating floor. 2,469,021, May 3.
- Vetter, Herman J., Calvary, Wis. Seed spacing timer. 2,463,925, Mar. 8.
- Vetter, Phillip C., Trenton, assignor to Great Lakes Steel Corporation, Ecorse, Mich. Machine for cold-drawing bar stock. 2,492,544, Dec. 27.
- Via, Hugh D., Portsmouth, Va. Salt shaker. 2,490,721, Dec. 6.
- Viall, George K.: *See*—
Miller, Arthur E., Viall and Lindow.
- Viber Company, assignee: *See*—
Kroeckel, Alfred J.
- Vibraseal Corporation, assignee: *See*—
Wiltse, Sumner.
- Vibro-Plus Corporation, assignee: *See*—
Adolph, Friedrich.
- Vic Cleaning Machine Co., assignee: *See*—
Carrier, Worthly W.
- Vickers-Armstrongs Limited, assignee: *See*—
Brereton, Christopher F.
Davis, David E.
Ingoldby, Maurice K.
Kirby, Wilfred.
Naylor, Joshua C.
Naylor, Joshua C., and Holden.
Parker, Lionel D.
Stephenson, Basil.
Wallis, Barnes N.
Watson, John P.
- Vickers, Carroll B., Snyder, N. Y. Vise or clamp sequentially actuated by screw and hydraulic ram. 2,492,338, Dec. 27.
- Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Gunfire control apparatus. 2,482,699, Sept. 20.
- Vickers, Herbert H.: *See*—
Waddell, Clarence C., Vickers, and Waterman.
- Vickers, Herbert H., Union, N. J., assignor to Standard Oil Development Company. Tearing and dividing equipment. 2,462,692, Feb. 22.
- Vickers, Herbert H., Union, N. J., assignor to Standard Oil Development Company. Inner tube splicing device. 2,483,511, Oct. 4.
- Vickers Incorporated, assignee: *See*—
Beverlin, Robert S.
Brown, Warren.
Childgey, Charles D.
Erskine, Robert A.
Gardiner, Duncan B.
Gardiner, Duncan B., and Readman.
Harrington, Ferris T.
Harrington, Ferris T., and Robinson.
Lane, Albert M.
Nixon, Harley E.
Pettibone, Raymond B.
Quales, Lloyd L., and Hasler.
Rau, David W.
Robinson, James.
Tweedale, Ralph L.
Twyman, L. Raymond.
Vickers, Harry F.
Weathers, Leland C.
- Vickers, Robert D.: *See*—
Rogers, Thomas H., Jr., and Vickers.
- Vickers, Samuel E., assignor to Eureka Williams Corporation, Bloomington, Ill. Thermal overload device. 2,473,485, June 14.

- Vickerys Limited, assignee: *See*—
Baker, Herbert A.
- Vickland, John C.: *See*—
Yerrick, William D., and Vickland.
- Vicklund, Richard E., Arlington, Va. Protection of optical instruments by radium emanations. 2,478,955, Aug. 16.
- Vickroy, George S., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Rail brace. 2,475,116, July 5.
- Victaulic Company of America, assignee: *See*—
Krooss, John H.
- Victor Adding Machine Co., assignee: *See*—
Hooe, Hunter E.
Mehan, Thomas O.
Stewart, Merritt G.
- Victor Chemical Works, assignee: *See*—
Adler, Howard.
Knox, William H., Jr., Cochran, Crudup, and Miller.
Toy, Arthur D. F.
Toy, Arthur D. F., and Beck.
Woodstock, Willard H.
- Victor, John H., Wilmette, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Oil seal. 2,468,247, Apr. 26.
- Victor, John H., Wilmette, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Fluid seal. 2,483,988, Oct. 4.
- Victor Manufacturing & Gasket Co., assignee: *See*—
Niessen, Paul F., and Welk.
Victor, John H.
- Victor Manufacturing & Gasket Company, assignee: *See*—
Victor, John H.
- Victor Metal Products Corporation, assignee: *See*—
Derham, Philip A.
Temple, Harold F.
- Victor Products, (Wallsend) Limited, assignee: *See*—
Winn, William.
- Victor Ring Traveler Company, assignee: *See*—
Joseph, Henry G.
- Victor, Victor A., Brooklyn, N. Y. Apparatus for making pile fabrics. 2,461,860, Feb. 15.
- Victoreen, John A., Cleveland, Ohio. Vacuum tube with filamentary cathode. 2,462,441, Feb. 22.
- Victoria Machine Tool Company Limited, assignee: *See*—
Selby, James, and Krieger.
- Videchi, Carlos, San Jose, Costa Rica. Fluid heater. 2,481,958, Sept. 13.
- Video Television, Inc., assignee: *See*—
Kaplan, Marvin.
- Viehmann, John C. L., Manhasset, N. Y. Extension leaf table. 2,468,528, Apr. 26.
- Viehweger, August, Comstock Park, assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,473,666, June 21.
- Viennau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,478,029, Aug. 2.
- Viennau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Making electromagnetic induction apparatus. 2,478,030, Aug. 2.
- Vierling, John A., assignor to Brown & Bigelow, St. Paul, Minn. Pull chain pen. 2,476,571, July 19.
- Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Windshield mounting. 2,479,436, Aug. 16.
- Vigmostad, Trygve, and E. W. Redick, assignors to Briggs Manufacturing Company, Detroit, Mich. Deck lid hinge. 2,479,437, Aug. 16.
- Vigneault, Joseph, Montreal, assignor of fifteen per cent to H. M. Lorenger, Westmount, and eighty-five per cent to E. W. Bourgeois, Montreal, Quebec, Canada. Buoyant propulsion device for vessels. 2,477,103, July 26.
- Vignerone, George H., Topeka, Kans. Caster and camber gauge. 2,488,043, Nov. 15.
- Vigren, Sten D.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.
- Viking Pump Company, assignee: *See*—
Bakewell, William E.
- Vila, Alejo, Philadelphia, Pa. Parasol. 2,465,140, Mar. 22.
- Viles, Prentiss S., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalytic conversion of hydrocarbon oil. 2,471,131, May 24.
- Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Inhibiting acidic corrosion in wells. 2,461,359, Feb. 8.
- Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Inhibition of corrosion in wells. 2,474,603, June 28.
- Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Suppressing corrosion in wells. 2,477,321, July 26.
- Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Receiving system for code signals. 2,479,652, Aug. 23.
- Villalobos, José P., Zacatecas, Mexico. Fire alarm. 2,479,528, Aug. 16.
- Villegas de Oribe, Maruja, G. Montevideo, Uruguay. Hygienic protector applicable to drinking vessels for avoiding contamination by the mouth. 2,459,558, Jan. 18.
- Villepigue, Julius G., Inglewood, Calif., assignor to North American Aviation, Inc. Aircraft cockpit arrangement. 2,490,664, Dec. 6.
- Villiger, Eugen, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Double-walled body for hot gases or vapors under superatmospheric pressure. 2,468,902, May 3.
- Villiger, Eugen, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Vertical tubular heat exchanger. 2,468,903, May 3.
- Vilter, Ernest F., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigerant deoiler. 2,462,012, Feb. 15.
- Vilter, Ernest F., Milwaukee, Wis. Flue roller. 2,470,005, May 10.
- Vilter Manufacturing Co., The, assignee: *See*—
Bach, Charles G.
- Vilter Manufacturing Company, The, assignee: *See*—
Vilter, Ernest F.
- Vin, René, Paris, assignor to Société Etablissements Poron, Troyes, (Aube) France. Feeding apparatus for yarn or the like. 2,471,362, May 24.
- Vincent, Andrew W., assignor to Stromberg-Carlson Company, Rochester, N. Y. Relay. 2,461,360, Feb. 8.
- Vincent, Charles H., Avoca, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,460,046, Jan. 25.
- Vincent, Dan B., Inc., assignee: *See*—
Vincent, Daniel B.
- Vincent, Daniel B., assignor to Dan B. Vincent, Inc., Tampa, Fla. Making food products. 2,471,363, May 24.
- Vincent, Daniel B., Tampa, Fla. Vegetable pulp shredder screen having cutter blades. 2,490,564, Dec. 6.
- Vincent, Edward T., Ann Arbor and C. F. Bachle, assignors to Continental Aviation & Engineering Corporation, Detroit, Mich. Fluid energy machine. 2,458,037, Jan. 4.
- Vincent, George P., Briarcliff Manor, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to Mathieson Chemical Corporation. Scouring cellulosic textiles using steam. 2,469,249, May 3.
- Vincent, James G., Rochester, N. Y., assignor to The Noned Corporation. Bacteriostatic base for medicinal, cosmetic, and toilet preparation. 2,460,776, Feb. 1.
- Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Rocker arm construction. 2,457,943, Jan. 4.
- Vincent, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Processing agents for synthetic elastomers. 2,463,224, Mar. 1.
- Vincent, John R., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of dienes. 2,463,225, Mar. 1.
- Vincent-McCall Company, The, assignee: *See*—
Vincent, William W., Jr.
- Vincent, Pieri, Portland, Oreg. Potato slicer. 2,478,515, Aug. 9.
- Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chaise longue. 2,477,155, July 26.
- Vinco Corporation, assignee: *See*—
Osplack, Joseph J.
- Vines, William C., Southhampton Row, London, England, assignor to International Business Machines Corporation, New York, N. Y. Automatic drilling machine. 2,475,342, July 5.
- Vingerhoets, Antonius W.: *See*—
Oosterkamp, Wijbe J., and Vingerhoets.
- Vingerhoets, Antonius W., and H. Nieuwdorp, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge device for voltage measurement. 2,458,659, Jan. 11.
- Vingoe, Ronald, Wellington, Ohio. Stratospheric reproducing cabinet. 2,477,021, July 26.
- Vining, William H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of metal compounds. 2,474,021, June 21.
- Vink, Hendrik J.: *See*—
Loojes, Robert, and Vink.
- Vinson, Joseph C.: *See*—
Vaughan, Joseph A., and Vinson.
- Vinson, Walter L., Sherman Oaks, Calif. Receptacle closure lock. 2,472,321, June 7.
- Vinton, John, San Francisco, and D. M. MacMillan, Berkeley, Calif. Signal smoke compositions. 2,489,549, Nov. 29.
- Vinton, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Arylmethylmercapto aldehydes. 2,461,013, Feb. 8.
- Vinton, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aminomercaptobenzene-sulfonamides. 2,483,447, Oct. 4.
- Viola, Paul A. and V., Bridgeport, Conn. Window control device. 2,470,591, May 17.
- Viola, Vincent: *See*—
Viola, Paul A. and V.
- Virtu, Inc., assignee: *See*—
Karlol, Edward, and Roehm.
- Roehm, William A.
- Virzi, Giuseppe, New York, N. Y. Acoustic skeleton chamber for string instruments. 2,489,169, Nov. 22.

- Vischulis, George, Jr., assignor to Stewart-Warner Corporation, Chicago, Ill. Electric windshield wiper motor control system. 2,491,697, Dec. 20.
- Visking Corporation, The, assignee: *See*—
Beal, Keith F., and Thor.
Fuller, Edward D.
Gold, Marvin H., and Druker.
Hewitt, Alfred G., and Clement.
Lloyd, James H., Jr.
McDowall, Robert.
Schenk, Bernard H.
- Visscher, Juan F., Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Negative transconductance electrical discharge tube. 2,470,732, May 17.
- Visser, Gerrit A., Westport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Manufacture of Bourdon instruments. 2,478,031, Aug. 2.
- Visser, John, Grand Rapids, assignor to F. L. Jacobs Co., Detroit, Mich. Ash receptacle. 2,489,550, Nov. 29.
- Vissing, Royal A., Reno, Nev. Cigarette lighter. 2,468,146, Apr. 26.
- Vita Automatic Windows, Inc., assignee: *See*—
Vita, Lawrence.
- Vita, Lawrence, Kings Park, assignor to Vita Automatic Windows, Inc., Smithtown Branch, N. Y. Window device. 2,492,721, Dec. 27.
- Vitarama Corporation, The, assignee: *See*—
Waller, Fred.
Waller, Fred, and Dresser.
Waller, Fred, Dresser, Swain, and Wengel.
- Vitez, Bela, U. S. Navy. Construction protractor. 2,476,338, July 19.
- Vitoux, Marcel, assignor to American Vitos Company, Inc., New York, N. Y. Speed control for hosiery mending machines. 2,489,688, Nov. 29.
- Vitrojan, David, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,482,817, Sept. 27.
- Vittum, Paul W.: *See*—
Jelley, Edwin E., and Vittum.
Weissberger, Arnold, Salminen, and Vittum.
- Vittum, Paul W., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. p-hydroxy benzyl alcohol couplers for color photography. 2,476,008, July 12.
- Vivian, George S., Surbiton, England. Carton and secondary closure therefor. 2,470,199, May 17.
- Vivian, George S., Surbiton, England, assignor to Satona Limited, Edinburgh, Scotland. Container. 2,483,162, Sept. 27.
- Vivian, Harold F.: *See*—
Salo, Martin, and Vivian.
- Vivian, William M., Brooklyn, N. Y. Film reel band. 2,464,659, Mar. 15.
- Vixler, Leslie F.: *See*—
Craver, Albert F., and Vixler.
- Vladimir, Leonard O., Baldwinville, N. Y., assignor to General Electric Company. Vibrator power supply. 2,468,578, Apr. 26.
- Vladimir, Leonard O., Bridgeport, Conn., assignor to General Electric Company. Variable inductance tuning system. 2,475,637, July 12.
- Vladimir, Leonard O., Bridgeport, Conn., assignor to General Electric Company. Arrangement for increasing the tuning range of inductance tuned resonance circuits. 2,479,438, Aug. 16.
- Vladimir, Leonard O., Bridgeport, Conn., assignor to General Electric Company. Variable inductance device. 2,489,114, Nov. 22.
- Vlastos, Andreas G., New York, N. Y. Ventilated shoe. 2,457,944, Jan. 4.
- Vodol Company, assignee: *See*—
Taub, Abraham.
- Voge, Hervey H.: *See*—
Good, George M., and Voge.
- Voge, Hervey H., Berkeley, B. S. Greensfelder, Oakland, and N. E. Peery, assignors to Shell Development Company, San Francisco, Calif. Production of gasoline. 2,467,920, Apr. 19.
- Voge, Hervey H., Berkeley, and G. M. Good, Albany, assignors to Shell Development Company, San Francisco, Calif. Cyclohexene production. 2,485,965, Oct. 25.
- Vogel, Alvin R., Los Angeles, Calif. Steering system. 2,468,314, Apr. 26.
- Vogel, John G., New York, N. Y. Framed design for handbags, luggage, and the like. 2,484,661, Oct. 11.
- Vogel, Oliver G., Oak Park, Ill., assignor to Hotpoint Inc. Electric heater. 2,469,800, May 10.
- Vogel, Oliver G., Oak Park, Ill., assignor to Hotpoint Inc. Electric heater. 2,490,934, Dec. 13.
- Vogel, Oliver G., Oak Park, and L. Ziffrin, Westchester, Ill., assignors to Hotpoint, Inc. Electric heater. 2,469,801, May 10.
- Vogel, Otto, Farmingdale, N. Y. Window guard. 2,464,623, Mar. 15.
- Vogel, Robert, New York, N. Y. Venetian blind slat. 2,488,453, Nov. 15.
- Vogel, Rudolf, Bridgeport, Conn. Container. 2,483,304, Sept. 27.
- Vogel, Vernon H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency selection circuit. 2,475,065, July 5.
- Vogel, Vernon H., Minneapolis, Minn., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic resonating control system. 2,489,064, Nov. 22.
- Vogel, William M., Montclair, N. J. Sprayer. 2,460,554, Feb. 1.
- Vogeli, Albert, Toledo, Ohio. Chiropedic photography practice. 2,478,611, Aug. 9.
- Vogelsang, George K.: *See*—
Novotny, Emil E., and Vogelsang.
- Voges, Frederick, assignor to Advertising Ingenuities, Inc., Chicago, Ill. Motion-picture card. 2,492,906, Dec. 27.
- Vogt, Curt G.: *See*—
Verdery, Charlotte G., and Vogt.
- Vogt, Curt G., Union, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Amino anthraquinone dyestuffs containing an amino stilbene group. 2,476,642, July 19.
- Vogt, Curt G., Union, N. J., and J. M. Wilkinson, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing 4-substituted-ar-tetrahydro-2-naphthols. 2,458,485, Jan. 4.
- Vogt, Henry, Machine Company, assignee: *See*—
Fleitz, Morris F.
- Vogt, Lucien E., West Roxbury, assignor to Farrington Manufacturing Company, Boston, Mass. Box. 2,477,530, July 26.
- Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Antijimmy tubular lock. 2,458,751, Jan. 11.
- Voigt, Johnston S., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Blocker. 2,488,044, Nov. 15.
- Voigt, Max T., Reading, Pa. Presser foot for stitching machines. 2,487,285, Nov. 8.
- Voigt, Oswin F.: *See*—
Goldstine, Hallan E., and Voigt.
- Voinovich, Sweeney, Bridgeville, Pa. Combined boat and filter. 2,469,802, May 10.
- Voity, Maurice, Bayside, N. Y., assignor to Serval Slide Fasteners, Inc. Apparatus for manufacturing slide fasteners. 2,478,880, Aug. 9.
- Voity, Maurice, New York, N. Y., assignor to Serval Slide Fasteners, Inc. Apparatus for manufacturing slide fasteners. 2,473,623, June 21.
- Voity, Maurice, New York, N. Y., assignor to Serval Slide Fasteners, Inc. Manufacturing slide fasteners. 2,480,061, Aug. 23.
- Vokes Limited, assignee: *See*—
Pilliner, Bernard J.
Stokes, Edward A., and Crawford.
- Volckening, Henry G., assignor to Volckening Inc., Brooklyn, N. Y. Bottle brush. 2,492,820, Dec. 27.
- Volckening Inc., assignee: *See*—
Volckening, Henry G.
- Volckhausen, Walter J.: *See*—
Nystrom, Axel C., and Volckhausen.
- Volgovskoy, Boris, Wauwatosa, and A. C. Halter, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Clamped switch. 2,482,305, Sept. 20.
- Volis, Harry G., Detroit, Mich. Expandable reamer. 2,472,554, June 7.
- Volk, Albert A., New York, N. Y. Optical signal for automobiles and the like. 2,477,022, July 26.
- Volk, Paul M.: *See*—
Paig, Paul F., and Volk.
- Volker, John, Brooklyn, N. Y. Electrical warning light system for motor vehicles and a switch for use in such a system. 2,458,323, Jan. 4.
- Volkman, John, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development, and The President and Fellows of Harvard College. Ear protector valve. 2,458,884, Jan. 11.
- Volkman, John, Cambridge, Mass., assignor to The United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Earphone socket and noise shield. 2,468,721, Apr. 26.
- Volkman, John, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Headband and earphone mounting. 2,474,386, June 28.
- Volkman, John E., Indianapolis, Ind., assignor to Radio Corporation of America. Acoustical apparatus. 2,458,038, Jan. 4.
- Volkman, Maurice C., and C. A. Johnson, Elkhart, Ind.: said Johnson assignor to said Volkman. Ventilator. 2,458,324, Jan. 4.
- Volkman, Willy B., assignor to Globe-Union Inc., Milwaukee, Wis. Electrical insulating support. 2,464,908, Mar. 22.
- Vollé, Norbert H.: *See*—
Garnatz, George, Vollé, and Deatherage.
- Vollenweider, Emil, Sacramento, Calif. Magneto. 2,476,468, July 19.
- Vollenweider, Emil, Sacramento, Calif. Model engine magneto. 2,483,305, Sept. 27.
- Vollenweider, Samuel E., Horgen, Switzerland. Machine for cutting and trimming selvage thread loops. 2,477,431, July 26.
- Vollmer, Harry F., Baltimore, Md. Awning. 2,467,351, Apr. 12.

- Vollrath, Joseph P., Glenside, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermocouple support. 2,466,137, Apr. 5.
- Vollrath, Joseph P., Glenside, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,474,208, June 28.
- Volman, Harold J., Cicero, assignor to Toy Enterprises of America, Inc., Chicago, Ill. Magnetic dart game. 2,477,531, July 26.
- Volpicelli, Nicholas: *See*—
Gottli, George A., Killian, and Volpicelli.
- Volpigno, Americo, Providence, R. I. Electronic circuit breaker. 2,460,860, Feb. 8.
- Volpini, Vincent, Springfield, Mass., Corn buttering device. 2,458,120, Jan. 4.
- Volks, Nicholas T., Spring Lake, N. J. Auxiliary compartment for vehicles. 2,465,770, Mar. 29.
- Voltz, Francis B., Opelousas, La. Vehicle spring suspension. 2,480,526, Aug. 30.
- Volz, John L., Los Angeles, and K. J. Korpi, Pasadena, assignors to Union Oil Company of California, Los Angeles, Calif. Additive for motor fuels. 2,477,220, July 26.
- Volz, Philip E.: *See*—
Bruck, George G., and Volz.
Bruck, George G., Voltz, Pontecorvo, and Vosburgh.
Sprague, Robert M., Bruck, and Volz.
- Volz, Philip E., Orange, assignor to Finch Telecommunications, Inc., Passaic, N. J. Motor speed control. 2,471,916, May 31.
- Vomacka, William: *See*—
Hooser, Hartman D., and Vomacka.
- Vonada, Philip A., Dayton, Ohio. High-frequency shorting block. 2,468,147, Apr. 26.
- Von Almen, Samuel, and H. Eggenberger, assignors to Sandoz Limited, Basel, Switzerland. Acid dyestuffs of the anthraquinone series and making same. 2,480,985, Sept. 6.
- Von Bolhar, Edgar, Sausalito, assignor to Yuba Manufacturing Company, San Francisco, Calif. Ladder roller mounting. 2,477,221, July 26.
- Von Bramer, Harold, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Composition for use as antioxidant for motor fuels. 2,487,909, Nov. 15.
- Von Breton, Hamilton, Los Angeles, Calif. Plywood grain bin or the like. 2,463,834, Mar. 8.
- Von Cseh, Louis, New York, assignor to Speed Products Company, Inc., Long Island City, N. Y. Staple remover. 2,490,935, Dec. 13.
- Von Cseh, Louis, New York, assignor to Speed Products Company, Inc., Long Island City, N. Y. Staple remover. 2,492,246, Dec. 27.
- Vondersmith, Philip G., assignee: *See*—
Garratt, Walter A.
- Von Duyke, Harrison M., Wilmington, Del. Hair dyeing comb. 2,484,133, Oct. 11.
- Vonella, William R., Long Branch, N. J. Extension for automatic pistols. 2,464,010, Mar. 8.
- Von Fraunhofer, Hans and H. E. Coote, London, England. Color cinematography. 2,480,793, Aug. 30.
- Von Fuchs, George H., Wood River, and G. P. Pilz, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Rust protective lubricants. 2,481,372, Sept. 6.
- Von Glahn, William, Richmond Hill, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Switching apparatus for fire control systems. 2,459,255, Jan. 18.
- Von Glahn, William H., Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyes. 2,492,907, Dec. 27.
- Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype compositions containing N-acylamino phenol couplers. 2,485,122, Oct. 18.
- Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. 2,8-dihydroxynaphthalene-6-sulfonic acid as the azo component for diazotype prints. 2,487,034, Nov. 1.
- Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype light-sensitive layers containing 4-bromoresorcinol. 2,490,605, Dec. 6.
- Von Harz, James L.: *See*—
O'Brien, John V., and Von Harz.
- Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling machine. 2,484,435, Oct. 11.
- Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling machine. 2,489,836, Nov. 29.
- Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Device for and art of adhesively attaching labels and other sheets to articles. 2,489,837, Nov. 29.
- Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label applying mechanism. 2,492,908, Dec. 27.
- Von Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Combined switch and fuse. 2,471,848, May 31.
- Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Time lag fuse link. 2,471,176, May 24.
- Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Renewable fuse. 2,471,177, May 24.
- Vonk, Cornelius G., Grand Rapids, assignor to Borg-Warner Corporation, Chicago, Ill. Condenser. 2,482,951, Sept. 27.
- Von Koscielski, George, San Diego, Calif., assignor to Langley Corporation. Fish measuring tape. 2,458,811, Jan. 11.
- Von Koscielski, George H., San Diego, Calif. Water-cooling attachment for refrigerators. 2,479,189, Aug. 16.
- Von Liedtke, Rudolph H., assignor to General Electronic & Manufacturing Co. of America, West Bend, Wis. Carding machine attachment. 2,468,279, Apr. 26.
- Von Liedtke, Rudolph H., Chicago, Ill., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Impregnating fibrous articles. 2,478,439, Aug. 9.
- Von Mehren, Oswald, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,791, Feb. 22.
- Von Mertens, Ernest K.: *See*—
Berkey, William E., and Von Mertens.
- Von Müllinen, Egbert, Ennetbaden, Switzerland. Shadow image projection indicating apparatus. 2,471,800, May 31.
- Vonnegut, Bernard: *See*—
Smith-Johannsen, Robert, and Vonnegut.
- Von Opel, Fritz, Algiers, La., vested in the Attorney General of the United States. Fastening device. 2,476,339, July 19.
- Von Schrenk, Alma, New York, N. Y. Lady's head covering. 2,469,250, May 3.
- Von Segebaden, Ernst, Drottningholm, assignor to Acreno Aktiebolag, Stockholm, Sweden. Supporting observers in range-finder systems. 2,474,133, June 21.
- Von Soden, Adolph F., Los Angeles, Calif. Self-locking nut means and the like. 2,457,945, Jan. 4.
- Von Stoesser, Walter, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Float control for liquid dispensing devices. 2,472,389, June 7.
- Von Stroh, Gerald: *See*—
Byrns, Alva C., and von Stroh.
- Von Uffel, Murray G., West Los Angeles, Calif. Combined steering wheel and braking mechanism. 2,470,273, May 17.
- Von Valtier, Franz: *See*—
Sturgeon, Edward C., von Valtier, Wiedenbeck, and Butler.
- Von Voigtlander, Frederick, Ann Arbor, Mich. Tool assembly. 2,460,555, Feb. 1.
- Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Vane pump and pressure control means. 2,460,047, Jan. 25.
- Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Pressure regulating means. 2,460,048, Jan. 25.
- Voorhies, Alexis, Jr., Baton Rouge, La., and E. T. Marshall, Cranford, N. J., assignors to Standard Oil Development Company. Two-stage destructive hydrogenation of petroleum oil. 2,464,539, Mar. 15.
- Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Silica sol. 2,457,971, Jan. 4.
- Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Catalyst gels. 2,459,903, Jan. 25.
- Voorhes, Vanderveer: *See*—
Anderson, John A., and Voorhees.
- Voorhies, Alexis, Jr.: *See*—
Ogorzaly, Henry J., and Voorhies, Jr.
- Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of hydrocarbons from carbon monoxide and hydrogen with an iron type catalyst. 2,469,755, May 10.
- Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis operation. 2,479,439, Aug. 16.
- Voorhies, Alexis, Jr., Baton Rouge, La., and A. R. Sydnor, Jr., Fanwood, N. J., assignors to Standard Oil Development Company. Alkylation process. 2,468,529, Apr. 26.
- Voorhies, Alexis, Jr., and J. J. Owen, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon synthesis process catalyzed by oxidized and reduced iron. 2,483,512, Oct. 4.
- Voorhies, Carl, Birmingham, Mich., assignor to Compact Power Products, Inc., Detroit, Mich. Engine constructed of sections bolted together along vertical plane to form an entire head, block, and crankcase thereof. 2,491,630, Dec. 20.
- Voorhis, William B.: *See*—
Bender, Harry, and Voorhis.
- Vore, Herbert G., Forrest Hills, and H. W. Martin, Malverne, N. Y., assignors to American Seal-Kap Corporation of Delaware, Wilmington, Del. Bottle stop mechanism for use with conveyers. 2,475,865, July 12.

- Vorhees, Vance E., Lincolnwood, assignor to Crane Packing Company, Chicago, Ill. Diaphragm-type seal. 2,461,710, Feb. 15.
- Vornado Trust, The, assignee: *See*—
Odar, Ralph K.
- Vorwerck, John R.: *See*—
Gorin, Everett, and Vorwerck.
- Vos, Emil B.: *See*—
Strickland, Harold A., Jr., and Vos.
- Vos, Mauritz, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Procedure for production of cabled coaxial pairs. 2,491,235, Dec. 13.
- Vosbikian, Peter S.: *See*—
Vosbikian, Thomas S. and P. S.
- Vosbikian, Peter S., and T. S. Vosbikian, Melrose, Pa. Flexible mop head. 2,469,060, May 3.
- Vosbikian, Thomas S.: *See*—
Vosbikian, Peter S. and T. S.
- Vosbikian, Thomas S. and P. S., Melrose, Pa. Scrubbing and mopping device. 2,472,781, June 7.
- Vosburgh, Malcolm C.: *See*—
Bruck, George G., Volz, Pontecorvo, and Vosburgh.
- Voskamp, Herman, Jutphaas, assignor to Jan Jongerius N. V., Utrecht, Netherlands. Leveling device for raising platforms. 2,479,089, Aug. 16.
- Voss, John H., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Private automatic telephone exchanges employing nonnumerical switches for interconnecting local lines, and for interconnecting local lines and trunk lines. 2,486,231, Oct. 25.
- Voss, John H., Downers Grove, and R. W. Jones, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Common trunk selecting means for all relay telephone switches. 2,491,291, Dec. 13.
- Voss, Walter W., assignor to Cardox Corporation, Chicago, Ill. Venting means. 2,468,385, Apr. 26.
- Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Retractable electric needle protector for knitting machines. 2,481,632, Sept. 13.
- Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Electric controller stop motion for machines. 2,490,936, Dec. 13.
- Vossenbergh, Frank A., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Fork adjustment for industrial trucks. 2,483,745, Oct. 4.
- Vossler, Henry, assignor to Imperial Knife Company, Inc., Providence, R. I. Apparatus for simultaneously grinding a plurality of like knife elements. 2,490,848, Dec. 13.
- Votour, James E.: *See*—
Cafarella, Orrin G., and Votour.
- Voycheske, Felix J., Omaha, Nebr. Engine crankshaft turning adjustment tool. 2,479,144, Aug. 16.
- Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Diaphragm-type mechanical seal. 2,465,499, Mar. 29.
- Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Fluid seal. 2,467,543, Apr. 19.
- Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Balanced, cooled, and lubricated rotary seal. 2,470,419, May 17.
- Vredenburg, Edric W., Berkeley, Calif. Weighing device with bag filling and bag vibrating means. 2,458,228, Jan. 4.
- Vredenburg, Edric W., Berkeley, Calif. Variable-speed drive. 2,458,229, Jan. 4.
- Vredenburg, Edric W., Berkeley, Calif., assignor to St. Regis Paper Company, New York, N. Y. Machine for application of sleeves to valve bags. 2,483,860, Oct. 4.
- Vroman, Erwin C., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,491,344, Dec. 13.
- Vroom, Harold B., assignor to Veeder-Root Incorporated, Hartford, Conn. Coin actuated electrical switch. 2,461,486, Feb. 8.
- Vrooman, Carl D., La Crescenta, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Brake cooler. 2,479,795, Aug. 23.
- Vrooman, Charles R., assignor to Canadian Westinghouse Company, Limited, Hamilton, Ontario, Canada. Reclosing control system for circuit breakers. 2,482,524, Sept. 20.
- Vuille, Bernard A., Watford, assignor to Watford Electric & Manufacturing Company Limited, Watford, Hertfordshire, England. Electromagnetic escapement mechanism. 2,466,627, Apr. 5.
- Vulcan Copper & Supply Company, The, assignee: *See*—
Wentworth, Theodore O.
- Vulcan Manufacturing Co., Inc., assignee: *See*—
Thorndike, Herbert A.
- Vulcan Radiator Company, The, assignee: *See*—
Arnold, Thomas L.
Downs, Bernard I.
- Vulcan Soot Blower Corporation, assignee: *See*—
Hibner, De Los E., and Arey.
- Vuori, Hans, Sudbury, Ontario, Canada. Extensible load-supporting means for trucks. 2,468,579, Apr. 26.
- Vutz, Wilhelm: *See*—
Synck, Adolph J., and Vutz.
- Vutz, Wilhelm, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Side-draft stabilizer mechanism. 2,474,445, June 28.
- W & J Company, assignee: *See*—
Wellekens, John F.
- W-K-M Company, Inc., assignee: *See*—
Downs, Jesse S.
Fowler, James M.
McManis, Fred.
- Waag, Norman E., assignor to Thompson Products, Inc., Cleveland, Ohio. Seal assembly. 2,480,529, Aug. 30.
- Waalke, Teunis P., Columbus, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Adding fluorine to acyclic olefinic compounds. 2,466,189, Apr. 5.
- Waar, David H., Detroit, assignor to R. L. Brown, Ferndale, Mich. Fastener. 2,460,722, Feb. 1.
- Waar, David H., Detroit, assignor to Robert L. Brown, Ferndale, Mich. Molding clip. 2,471,254, May 24.
- Waar, David H., Detroit, assignor to R. L. Brown, Ferndale, Mich. Molding clip. 2,473,400, June 14.
- Wabshaw, Benjamin A., Des Moines, Iowa. Shipping box. 2,462,693, Feb. 22.
- Wachs, Herman, Brooklyn, assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Insecticidal composition of pyrethrins and 3-oxymethylene-phenyl-1-butylglycol synergist. 2,457,957, Jan. 4.
- Wachs, Herman, Brooklyn, assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Dihydroasafrol derivatives. 2,485,680, Oct. 25.
- Wachs, Herman, Brooklyn, assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Methyleneoxyphenyl derivatives and the production thereof. 2,485,681, Oct. 25.
- Wachs, Miller A., Devon, assignor to United Aircraft Corporation, East Hartford, Conn. Overrunning centrifugal clutch. 2,465,701, Mar. 29.
- Wachs, Theodore, Cynwyd, Pa., assignor to Radio Corporation of America. Apparatus for plasticating thermoplastic materials. 2,468,346, Oct. 25.
- Wachsmann, Konrad, assignor of one-fourth to C. Wohlstetter and one-fourth to A. Wohlstetter, New York, N. Y. Building construction. 2,491,882, Dec. 20.
- Wachtel, Joseph S., New York, N. Y. Illuminated vanity case. 2,468,248, Apr. 26.
- Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Nitrite salts of organic nitrogen bases. 2,484,395, Oct. 11.
- Wachter, Joseph J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laminated product embodying a low odor phenol-formaldehyde resin. 2,465,299, Mar. 22.
- Wachter, Joseph J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Odorless phenol-formaldehyde resinous products. 2,482,525, Sept. 20.
- Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Hydraulic drive for refuse body and safety control therefor. 2,480,527, Aug. 30.
- Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Elevating platform latch structure. 2,480,528, Aug. 30.
- Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Tipping spreader. 2,484,325, Oct. 11.
- Wachtman, George S., Harrisburg, Pa. Frequency control system. 2,468,148, Apr. 26.
- Wack, James E.: *See*—
Kogler, Harold F., and Wack.
- Wackher, Richard C., La Grange, and C. B. Linn, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of olefins using the reaction product of oxygen, boron trifluoride, and a hydrocarbon as catalyst. 2,488,752, Nov. 22.
- Wackrow, Roger D.: *See*—
Perry, Claude A., Wackrow, and Urry.
- Waddell, George C.: *See*—
Bennett, Irving, Venger, and Waddell.
- Waddell, Clarence C., Aruba, Netherlands West Indies, H. H. Vickers, Union, and W. W. Waterman, Cranford, N. J., assignors to Standard Oil Development Company. Extrusion equipment. 2,487,910, Nov. 15.
- Waddell, Graham B., Pittsburgh, Pa. Curtain hanger. 2,464,909, Mar. 22.
- Waddill, Paul M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Storage of hydrofluoric acid. 2,471,986, May 31.
- Wade, Anstrice L., assignor of ten per cent to R. L. Williamson, Hartford, Ala. Waffle plate. 2,474,995, July 5.
- Wade, Henry N., Los Angeles, Calif. Attenuation pulsation dampener. 2,490,493, Dec. 6.
- Wade, John B., Arcadia, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Motor pump with sand trap and priming means. 2,463,341, Mar. 1.
- Wade, John B., Arcadia, Calif., assignor to Food Machinery and Chemical Corporation. Helical hollow rotor pump. 2,464,011, Mar. 8.
- Wade, R. M., & Co., assignee: *See*—
Kellaheer, Gillis C., and Elssasser.
- Wade, Roger K., Fond du Lac, Wis. Adjustable draw key. 2,480,429, Aug. 30.

- Wade, Stanley M., Benicia, Calif. Combined collar holder and tie supporter. 2,473,739, June 21.
- Wade, Willard H., Syracuse, N. Y., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Drive system for magnetic recorders. 2,482,887, Sept. 27.
- Wadkins, Bert M., assignor to Muskegon Metal Products Corporation, Muskegon, Mich. Curtain and shade rod holder. 2,481,802, Sept. 13.
- Wadleigh, George R., Hastings on Hudson, assignor to West Virginia Pulp and Paper Company, New York, N. Y. Holding device. 2,468,249, Apr. 26.
- Wadleigh, George R., Hastings on Hudson, assignor of one-half to West Virginia Pulp and Paper Company, New York, N. Y. Suction box cover. 2,487,202, Nov. 8.
- Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Solvent extraction process. 2,477,322, July 26.
- Wadsworth Electric Manufacturing Co., The, assignee: See—
Landmeier, Edwin W.
- Wadsworth, Francis T., Texas City, and R. J. Lee, La Marque, Tex., assignors to Pan American Refining Corporation, New York, N. Y. Alkylation process. 2,462,792, Feb. 22.
- Wagar, Harold N., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coil arrangement for electromagnetic devices. 2,460,556, Feb. 1.
- Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Preselected stop means for tuner elements. 2,485,223, Oct. 18.
- Wager, Robert H., Maplewood, N. J. Adjustable mirror observation unit for smoke indicators. 2,473,231, June 14.
- Waggoner, Alvin G., Philadelphia, and W. B. Brooks, Pittsburgh, Pa. Alloy steel. 2,474,766, June 28.
- Waggoner, Elwood M., assignor to Frederick Hart & Co., Inc., Poughkeepsie, N. Y. Film splicing apparatus. 2,480,794, Aug. 30.
- Waggoner, Ople L., Prineville, Oreg. Combination dish and tray. 2,481,544, Sept. 13.
- Wagner, Arthur, Company, assignee: See—
Young, Leslie G.
- Wagner, Arthur E., and F. E. Camp, assignors to Plast-Tk-Bits, Inc., Meadville, Pa. Bridle bit. 2,460,912, Feb. 8.
- Wagner, Cary R.: See—
Hiatt, William G., and Wagner.
- Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of carbon bisulfide. 2,468,904, May 3.
- Wagner, Cary R., Utica, Ohio, and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids and using same. 2,468,792, May 3.
- Wagner, Cary R., Utica, Ohio, and M. A. Ryan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids and using the same. 2,481,545, Sept. 13.
- Wagner, Charles F.: See—
Harris, Walter R., and Wagner.
- Wagner, Charley L.: See—
Farrell, Robert A., and Wagner.
- Wagner, Cletus P., assignor to H. B. Salter Manufacturing Company, Marysville, Ohio. Sink fixture. 2,468,315, Apr. 26.
- Wagner, E. R., Manufacturing Company, assignee: See—
Wagner, Robert S.
- Wagner, Edward A., Pittsfield, Mass. Drying hides, skins, and leather. 2,479,440, Aug. 16.
- Wagner Electric Corporation, assignee: See—
Dieckmann, Albert.
Fites, Cyril B.
Joos, August G.
Milster, Arthur N.
Potter, Charles P.
Schnell, Steve.
- Wagner, Elmer K., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Electric control. 2,479,881, Aug. 23.
- Wagner, Frank J., assignee: See—
Bierman, Carroll M.
- Wagner, Frank J., assignor of one-half to C. M. Bierman, Franklin Square, N. Y. Roller skate. 2,490,849, Dec. 13.
- Wagner, Frank J., assignor of one-half to C. M. Bierman, Franklin Square, N. Y. Roller skate. 2,490,850, Dec. 13.
- Wagner, George B., Holbrook, Mass., assignor to Beekman Industries, Inc., New York, N. Y. Refrigerated shipping container. 2,489,510, Nov. 29.
- Wagner, Gustave H.: See—
Wagner, Harold A., and G. H.
- Wagner, Hans P., Akron, Ohio. Self-sealing gasoline tank. 2,461,096, Feb. 8.
- Wagner, Harold A. and G. H., Portland, Oreg. Material handling apparatus. 2,459,978, Jan. 25.
- Wagner, Harold A. and G. H., Portland, Oreg. Material lifting and transporting truck. 2,459,979, Jan. 25.
- Wagner, Harold A. and G. H., Portland, Oreg. Scoop truck. 2,459,980, Jan. 25.
- Wagner, Harold A. and G. H., Portland, Oreg. Bucket carriage for hoisting towers. 2,481,266, Sept. 6.
- Wagner, Herbert W., and G. J. Wickstrom, assignors to Norton Company, Worcester, Mass. Plural fluid apparatus for grinding machines. 2,475,811, July 12.
- Wagner, Jacob, Cook County, Ill. Machine for applying binding tape. 2,488,355, Nov. 15.
- Wagner, John L., Endwell, and R. E. Lawhead, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Capacitor regenerator. 2,480,795, Aug. 30.
- Wagner, Joseph A., assignor to Wagneradio Company, Verona, Pa. Synchronizing mechanism. 2,486,082, Oct. 25.
- Wagner, Julius A.: See—
Bertalan, Edward, and Wagner.
- Wagner, Leland B., assignor to Penn Electric Switch Co., Goshen, Ind. Stoker timer. 2,487,286, Nov. 8.
- Wagner Manufacturing Company, assignee: See—
Kern, Edward O.
- Wagner, Robert J.: See—
McArthur, Bruce E., Bohn, and Wagner.
- Wagner, Robert J., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photo-fluoroscopic apparatus. 2,492,359, Dec. 27.
- Wagner, Robert S., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Bail support for carpet sweepers. 2,464,910, Mar. 22.
- Wagner, Rudolph W., Los Angeles, Calif. Combined angle bracket and stationary clamping jaws having a selectively mountable clamping jaw. 2,466,518, Apr. 5.
- Wagner, Urban H.: See—
Dart, Jack C., Kuhn, Jr., Penick, and Wagner.
- Wagner, William, and J. Swann, Vancouver, British Columbia, Canada. Pressure fluid servomotor for reversing gears. 2,488,045, Nov. 15.
- Wagneradio Company, assignee: See—
Wagner, Joseph A.
- Wagstaff, George, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves and like electrical devices and securing it to supports. 2,461,487, Feb. 8.
- Wagstaff, George, Long Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves and the like and securing them to apertured supports. 2,464,778, Mar. 15.
- Wahl, Albert G., Los Angeles, Calif. Fountain pen. 2,485,224, Oct. 18.
- Wahl, Albert G., Los Angeles, Calif. Coffee percolator. 2,485,247, Oct. 18.
- Wahl, Albert J., Pleasant Hills, and G. J. Coninger, assignors to Miller Pottery Engineering Company, Swissvale, Pa. Method and apparatus for making potteryware. 2,480,062, Aug. 23.
- Wahl, Albert S., Jersey City, N. J., assignor to Solo Products Corporation, New York, N. Y. Wire forming machine. 2,486,450, Nov. 1.
- Wahl, John C., assignor to Eversharp, Inc., Chicago, Ill. Writing instrument. 2,483,329, Sept. 27.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Electric motor control system. 2,469,139, May 3.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Synchronizing system for geared motors. 2,469,140, May 3.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Electric motor switching mechanism. 2,474,707, June 28.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Follow-up electric motor control apparatus. 2,475,066, July 5.
- Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Screw jack. 2,482,082, Sept. 13.
- Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive transmission. 2,470,274, May 17.
- Wahle, Jack A., San Mateo, Calif. Window. 2,492,076, Dec. 20.
- Wählin, Bengt G., Kramfors, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Producing a suspension of fibrous material. 2,481,959, Sept. 13.
- Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic transmission. 2,474,706, June 28.
- Wahlstrom, Charles G., Redwood City, Calif. Saw sharpening device. 2,490,244, Dec. 6.
- Wahlstrom, Gustaf A., Fagerviksvagen, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Tumbler switch. 2,476,784, July 19.
- Waidelich, James R., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Tappet-actuating member. 2,458,752, Jan. 11.
- Wainer, Eugene: See—
Laughlin, Charles C., and Wainer.
- Wainer, Eugene, Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Refractory mold composition. 2,466,138, Apr. 5.
- Wainer, Eugene, Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. High dielectric material and making same. 2,467,169, Apr. 12.
- Wainer, Eugene, Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Synthetic rutile and making same. 2,489,246, Nov. 22.

- Wainer, Eugene, Niagara Falls, and A. N. Salomon, Malone, assignors, by mesne assignments, to National Lead Company, New York, N. Y. Dielectric composition and making same. 2,469,584, May 10.
- Wainwright, Carlyle H.: *See*—
Deans, Frederick E., and Wainwright.
- Wainwright, Carlyle Herbert: *See*—
Deans, Frederick E.
- Wait, Bertrand H., New Rochelle, N. Y. Aggregate for improving Portland cement concretes. 2,458,039, Jan. 4.
- Wait, Bertrand H., New Rochelle, N. Y. Bituminous mix. 2,469,585, May 10.
- Wait, Clarence W., New Hartford, Iowa. Drawbar for drags. 2,465,620, Mar. 29.
- Waitcus, Joseph, assignee: *See*—
True, Edwin S.
- Waite, Clarence M., Greenbush, Mass. Combination lock switch. 2,477,104, July 26.
- Waite, Philip M., Corry, Pa. Universal joint. 2,471,987, May 31.
- Waite, Philip M., Corry, Pa. Salvaging bowling pins. 2,483,568, Oct. 4.
- Waitekaite, Joseph J., Waukegan, Ill. Lock for doors. 2,476,520, July 19.
- Walters, Laura E., Arroyo Grande, Calif. Toothpaste dispensing apparatus. 2,466,628, Apr. 5.
- Waitkens, Frank: *See*—
Andrew, Charles, and Waitkens.
- Wakefield, Edwin C., assignor to I. Heath, Bristol, Conn. Trellis structure. 2,476,689, July 19.
- Wakefield, F. W., Brass Company, The, assignee: *See*—
Wakefield, G. P.
- Wakefield, George P., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting fixture for tubular lamps. 2,465,141, Mar. 22.
- Wakefield, Richard E. B.: *See*—
Bennett, Clarence H., and Wakefield.
- Wakefield, Walter H.: *See*—
Dion, Raymond F., and Wakefield.
Manoog, John C., and Wakefield.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing pick and pick loom. 2,460,318, Feb. 1.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stop motion for weft replenishing looms. 2,467,871, Apr. 19.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Driving mechanism for axminster tube frame systems. 2,469,756, May 10.
- Wakeman, Clifford M., Flint, Mich. Device for stabilizing trailers. 2,470,383, May 17.
- Walcott, Raymond H., Cranford, and A. Schallis, Jersey City, N. J., assignors to Stauffer Chemical Company. Stabilization of insoluble sulfur. 2,462,146, Feb. 22.
- Wald, Quentin R., South Glastonbury, and J. H. Brewster, III, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. By-pass system for cooling fans. 2,476,643, July 19.
- Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. Electric motor follow-up control system. 2,484,134, Oct. 11.
- Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. Servo system with eddy current brake controlled by error voltage. 2,489,689, Nov. 29.
- Waldall & Assembly, Messrs., Limited, assignee: *See*—
Conacher, Hugh H.
- Walden, George H., J. A. Pierce, and M. A. Segura, Baton Rouge, La., assignors to Standard Oil Development Company. Preparation and regeneration of a hydrocarbon synthesis catalyst. 2,488,150, Nov. 15.
- Walden, Henry W., New York, N. Y. Laterally stabilized wheel of the load-suspension type. 2,463,226, Mar. 1.
- Walden, Henry W., New York, N. Y. Shock-absorbing wheel. 2,491,698, Dec. 20.
- Waldes Koh-I-Noor, Inc., assignee: *See*—
Brell, Jules.
Duffy, William.
Feitl, Rudolf.
Heimann, Heinrich.
Heimann, Heinrich, and Feitl.
Kolbert, Oswald, and Messer.
Schirokauer, Henry.
Sherwood, Henry A.
Soave, John.
- Waldeyer, Carl, San Francisco, Calif. Motion-picture combination. 2,460,320, Feb. 1.
- Waldheim, John J., assignor to Bartolucci & Waldheim, Chicago, Ill. Tilting chair. 2,482,306, Sept. 20.
- Waldie, Benjamin W., assignee: *See*—
Kanaske, Arthur.
- Waldie, George A.: *See*—
MacMillin, Howard F., and Waldie.
- Waldie, George A., Edison, Ohio, assignor to H-P-M Development Corporation. Spherical expandable chamber rotary motor or pump of the axially moving sliding vane type. 2,464,736, Mar. 15.
- Waldie, George A., Edison, and J. A. Muller, Dayton, Ohio, assignors to H-P-M Development Corporation. Vane pump rotor. 2,482,045, Sept. 13.
- Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkle finish. 2,486,232, Oct. 25.
- Waldinger, Maurice J., New York, N. Y. Machine for capping tubes. 2,483,028, Sept. 27.
- Waldman, Bernard, Springfield, Mass. Antiglare device. 2,460,373, Feb. 1.
- Waldman, Harry, assignee: *See*—
Wilson, Christopher R.
- Waldo, Pharez G.: *See*—
Caesar, Philip D., and Waldo.
Smith, Robert L., Crowley, and Waldo.
- Waldorf Paper Products Company, assignee: *See*—
Cupo, William J.
Dunning, Robert M.
Guyer, Reynolds.
Hennessey, Russell J.
Sandberg, Nels H.
- Waldron, Claude F., Unadilla, assignor to Bendix Aviation Corporation, New York, N. Y. Radio shielded ignition means. 2,458,121, Jan. 4.
- Waldron, Harvey B., Bristol, Pa. Automatic lathe stop. 2,488,696, Nov. 22.
- Waldron, Sheldon H.: *See*—
Zihlman, John T., and Waldron.
- Waldron, Walter J., Pomona, Calif. Doll or toy figure with encased radio apparatus. 2,470,384, May 17.
- Waldrop, Gilbert C.: *See*—
Bowerman, Hulie E., and Waldrop.
- Waldrop, Jefferson P., Arlington, Va. Game board and playing pieces for a chance controlled game. 2,458,966, Jan. 11.
- Waldron, Robert E.: *See*—
Lemonier, Camille R., and Waldron.
- Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Electric cigarette lighter. 2,475,534, July 5.
- Wales, Nathaniel B., Jr., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Quick action fuse. 2,490,389, Dec. 6.
- Walger, Walter B., El Campo, Tex. Throttle valve mechanism. 2,484,199, Oct. 11.
- Walk-Easy Foot Rest Manufacturing Company, assignee: *See*—
Boos, Wilfred J.
- Walker, Albert C.: *See*—
Christensen, Carl J., and Walker.
- Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for frequency multiplication of alternating electric currents. 2,461,861, Feb. 15.
- Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifying apparatus of the dry surface contact type. 2,486,768, Nov. 1.
- Walker, Alexander D., and J. E. Drew, North Bergen, N. J. Air valve. 2,488,456, Nov. 15.
- Walker, Allen V., Nashville, Tenn. Portable outdoor cooking stove. 2,473,458, June 14.
- Walker, Alvan G.: *See*—
Kariet, Joseph G., and Walker.
- Walker, Asa W., Buffalo, N. Y. Automatically controlled marker to record movement and means to provide relative values. 2,470,121, May 17.
- Walker, Bill R., Berryville, Ark. Tire jack for recapping machines. 2,480,204, Aug. 30.
- Walker, Brooks, Piedmont, Calif. Apparatus for launching rockets from turrets. 2,460,321, Feb. 1.
- Walker, Brooks, Piedmont, Calif. Mine exploder. 2,460,322, Feb. 2.
- Walker, Brooks, Piedmont, Calif. Bombing from fast moving planes. 2,470,120, May 17.
- Walker, Brooks, Piedmont, Calif. Projectile launcher. 2,481,546, Sept. 13.
- Walker, Charles R.: *See*—
Bacon, Walter M., and Walker.
- Walker, Cyril H.: *See*—
Juhlin, Gustaf A., and Walker.
- Walker, Daniel N., Ashby Parva, near Rugby, and W. E. P. Johnson, Hampstead, assignors to Power Jets (Research and Development) Limited, London, England. Gas turbine mounting. 2,481,547, Sept. 13.
- Walker, David D., Malden, assignor to J. J. Grover Shoe Co., Inc., Haverhill, Mass. Turned shoe. 2,464,471, Mar. 15.
- Walker, David S.: *See*—
Tandler, William S., and Walker.
- Walker, Doreen, legal representative: *See*—
Blumlein, Alan D.
- Walker, Earl C., Altadena, Calif. Filter. 2,457,958, Jan. 4.
- Walker, Earl S., and T. J. Glaza, assignors to Crane Co., Chicago, Ill. Mold dumping device. 2,466,650, Apr. 5.
- Walker, Esper L., Decatur, Tex. Ice cleat unit for engagement on shoes. 2,453,122, Jan. 4.
- Walker, Ethel, assignee: *See*—
Gilliland, William H.
- Walker, Gilbert D., Detroit, Mich. Stapler. 2,482,993, Sept. 27.
- Walker, Glen J., Cleveland, Ohio, assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,478,991, Aug. 16.
- Walker, Godfrey B., Old Greenwich, and S. J. Swainson, Darien, Conn., assignors to Minerals Beneficiation, Incorporated, Joplin, Mo. Three product heavy media separation. 2,468,005, Apr. 19.

- Walker, Gordon, Baton Rouge, La. Revetment fabricating machine. 2,480,064, Aug. 23.
- Walker, Harold, Meadowbrook, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Multiple record support for phonographs. 2,472,964, June 14.
- Walker, Herbert W., Woodstown, N. J., and R. W. Morrow, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic elastomer latices. 2,482,307, Sept. 20.
- Walker, Isaac F., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic linear polyamides and retarding crystallization of said polyamides. 2,473,924, June 21.
- Walker, James N., Arcadia, Calif. Soap conserving press. 2,486,347, Oct. 25.
- Walker, Jay P., assignor to National Tank Company, Tulsa, Okla. Filtering tank for water disposal systems. 2,457,959, Jan. 4.
- Walker, John M., Muncie, Ind. Tail set and hair protector. 2,487,005, Nov. 1.
- Walker, Joseph B., Hollywood, Calif. Adjustable antenna. 2,476,469, July 19.
- Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reacting formaldehyde, hydrogen chloride, and acetylene, and products produced thereby. 2,463,227, Mar. 1.
- Walker, Joseph F., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process for the production of acrolein. 2,478,989, Aug. 16.
- Walker, Joseph F., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of atropinetrile. 2,478,990, Aug. 16.
- Walker, Joseph F., Westfield, N. J., and T. E. Londergan, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of butinediol. 2,487,006, Nov. 1.
- Walker, Joseph F., Westfield, N. J., and T. E. Londergan, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of butinediol. 2,487,007, Nov. 1.
- Walker, Kenneth E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonflammable hydraulic fluid. 2,462,694, Feb. 22.
- Walker Manufacturing Company of Wisconsin, assignee: See—
Manke, Raymond F.
- Walker, Marcus A., Lackawanna, Pa. Apparatus for separating materials. 2,491,912, Dec. 20.
- Walker, Marvin J., Philadelphia, Pa., assignor of one-half to R. B. Keller, New York, N. Y. Automatic propeller pitch changing mechanism. 2,468,004, Apr. 19.
- Walker, Milton A., San Jose, Calif. Record changer. 2,489,941, Nov. 29.
- Walker, Nelson, Flint, assignor to General Motors Corporation, Detroit, Mich. Thermostatic radiator valve. 2,480,986, Sept. 6.
- Walker, Richard K.: See—
Wangerin, Elmer O., and Walker.
- Walker, Robert S., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Rotary kiln temperature control. 2,484,539, Oct. 11.
- Walker, Ronald W., and W. G. Jamieson, Glasgow, Scotland. Computer for determining the correct proportions of ingredients for a selected mixture. 2,469,022, May 3.
- Walker, Russell S., Duluth, Minn. Line reel. 2,465,001, Mar. 22.
- Walker, Samuel J., Lake Forest, and I. J. Spaeth, assignors to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,473,316, June 14.
- Walker, Scott W., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Hydrocarbon synthesis process and catalyst therefor. 2,485,945, Oct. 25.
- Walker, Theron H., Los Angeles, Calif. Reciprocating grater with removable toolplate. 2,460,663, Feb. 1.
- Walker, Uel T., Hollywood, Fla. Pipe coupling. 2,462,575, Feb. 22.
- Walker, Uel T., Hollywood, Fla. Whirling toy. 2,462,576, Feb. 22.
- Walker, William, and Sons Limited, assignee: See—
Hausmann, Frederick.
- Walker, William D. C.: See—
Greaves, Charles D., and Walker.
- Walker, William E., Houston, Tex. Drill bit. 2,457,960, Jan. 4.
- Walker, William H.: See—
Welty, Albert B., and Walker.
- Walker, William H., Alameda, Calif. Automobile clothes rack. 2,472,132, June 7.
- Walker, William R., Baltimore, Md. Composition floor covering of resilient pliable coated material. 2,474,767, June 28.
- Walklet, Mercer D., assignor to The Hamlin Metal Products Company, Akron, Ohio. Bicycle kick stand. 2,486,583, Nov. 1.
- Walkowiak, Edward L., Saginaw, Mich. Ball bolt guard. 2,464,423, Mar. 15.
- Walup, Lewis E., Wood River, Ill., assignor to Olin Industries, Inc. Apparatus for continuously separating solids of explosive from liquid. 2,490,108, Dec. 6.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Ignition system and apparatus thereof. 2,459,855, Jan. 25.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Transformer spark plug. 2,459,856, Jan. 25.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Cell testing circuit. 2,480,063, Aug. 23.
- Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Ignition distributor. 2,483,115, Sept. 27.
- Wall, Alexander C., and H. E. Oles, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making spark gaps. 2,491,631, Dec. 20.
- Wall, Howard and L., Brookline, Mass. Hinge for mounting sun shields on cap visors. 2,481,960, Sept. 13.
- Wall, John E.: See—
Tucker, Norman A., and Wall.
- Wall, John P., Los Angeles, Calif. Electric circuit and a safety switch therefor. 2,492,077, Dec. 20.
- Wall, Leo: See—
Wall, Howard and L.
- Wall, T., & Sons Limited, assignee: See—
Searle, George H., and Webb.
Stonestreet, George A., and Sait.
- Wallace, Arthur M.: See—
Payne, Arthur W., and Wallace.
- Wallace, Bernard E.: See—
George, Earl B., and Wallace, and Waters.
- Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Mold composition. 2,469,907, May 10.
- Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Synthetic mold composition and making same. 2,469,908, May 10.
- Wallace, Burgess P., New York, N. Y. Manufacture of facing compositions for metal casting molds. 2,476,933, July 19.
- Wallace, Charles E.: See—
Bubb, John B., and Wallace.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Static elimination in manometers. 2,462,820, Feb. 22.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Chlorine concentration limit indicator for chlorinating systems. 2,482,078, Sept. 13.
- Wallace, Daisy T., administratrix: See—
Wallace, Edward E.
- Wallace, David A., Grosse Pointe Farms, assignor to Chrysler Corporation, Highland Park, Mich. Power plant construction. 2,464,012, Mar. 8.
- Wallace, Dorothy L., Saginaw, Mich. Automatic frozen cube dispenser for refrigerators. 2,471,801, May 31.
- Wallace, Edward E., deceased, Cleveland Heights, Ohio; D. T. Wallace, administratrix. Joint for shafts. 2,462,574, Feb. 22.
- Wallace, Edward E., deceased, Cleveland Heights, Ohio; D. T. Wallace, administratrix. Operating means for movable members of airplanes or other apparatus. 2,478,068, Aug. 2.
- Wallace, Emmet W., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Shakeout for coke charging cars. 2,471,849, May 31.
- Wallace, Frank C., assignor to H. H. Helbush, Los Angeles, Calif. Nut anchor. 2,461,097, Feb. 8.
- Wallace, Frank C., North Hollywood, Calif. Boring head. 2,458,753, Jan. 11.
- Wallace, Frank C., North Hollywood, assignor to Monogram Manufacturing Company, Los Angeles, Calif. Handle device. 2,458,754, Jan. 11.
- Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Urethral dilator. 2,469,906, May 10.
- Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Electrosurgical resecting instrument. 2,484,059, Oct. 11.
- Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Cystoscope. 2,487,498, Nov. 8.
- Wallace, George W., Waynesboro, and J. W. Trew, Gettysburg, Pa. Making unit dispensing packages. 2,468,695, Apr. 26.
- Wallace, Halbert C., Fargo, N. Dak. Grain blower. 2,482,723, Sept. 20.
- Wallace, Hugh, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator latch. 2,461,361, Feb. 8.
- Wallace, James M., Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reclosing circuit interrupter. 2,468,851, May 3.
- Wallace, James M., Braddock, H. I. Rawlins, Swissvale, J. M. Cumming, and W. S. Aspey, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,468,852, May 3.
- Wallace, James M., Braddock, and H. L. Rawlins, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reclosing circuit interrupter. 2,475,765, July 12.
- Wallace, James M., Braddock, A. W. Edwards, and E. F. Beach, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,483,603, Oct. 4.

- Wallace, James M., East McKeesport, and J. B. Owens, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protection of parallel-connected condensers. 2,488,454, Nov. 15.
- Wallace, James M., Jr.: *See*—
Cox, Fred W., and Wallace.
- Wallace, Jeffrey J., Amite, La., assignor to Gullett Gin Company. Cotton harvester. 2,473,315, June 14.
- Wallace, Jeffrey J., Amite, La., assignor to Gullett Gin Company. System for the preginning of cotton. 2,474,642, June 28.
- Wallace Laboratories, Inc., assignee: *See*—
Lee, Slaughter W.
- Wallace, Marcel, New York, N. Y., and H. G. Miller, Belleville, N. J., assignors, by mesne assignments, of one-half to M. Wallace, doing business as Panoramic Laboratories and one-half to Panoramic Radio Corporation, New York, N. Y. Multiband fixed frequency calibration panoramic radio receiver. 2,465,500, Mar. 29.
- Wallace, Marcel, New York, N. Y., and H. G. Miller, Belleville, N. J., assignors, by mesne assignments, of one-half to M. Wallace, doing business as Panoramic Laboratories, and one-half to Panoramic Radio Corporation, New York, N. Y. Vibrating reactance panoramic radio receiver. 2,474,387, June 28.
- Wallace, Pauline E., Kansas City, Mo. Educational cutout doll dressing toy. 2,479,052, Aug. 16.
- Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Robinson, Fred S.
- Wallace, Raymond C., East Providence, R. I. Branch holder. 2,462,442, Feb. 22.
- Wallace, Raymond C., Pawtucket, R. I. Tool for cleaning concave cylindrical surfaces. 2,469,586, May 10.
- Wallace, Robert C., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Wheel suspension. 2,466,832, Apr. 12.
- Wallace, Robert H.: *See*—
Hebel, Carl G., and Wallace.
- Wallace, Stanley, Des Plaines, Ill. Thread grinding and grinding wheel dressing device. 2,468,280, Apr. 26.
- Wallace & Tiernan Products, Inc., assignee: *See*—
Booth, George M.
Marks, Henry C.
Marks, Henry C., and Rubin.
Resnick, Morris.
Wallace, Charles F.
- Wallace, Wayne W., Youngstown, Ohio. Combination gas tank and valve mechanism. 2,463,446, Mar. 1.
- Wallace, William, Karapiro, assignor of one-half to G. H. Chapman, Hamilton, New Zealand. Cover for the outlet ends of exhaust pipes of internal-combustion engines. 2,463,662, Mar. 8.
- Wallach, Irving D., Port Washington, assignor to Associated Development & Research Corporation, New York, N. Y. Shoe sole. 2,470,200, May 17.
- Wallach, Irving D., Port Washington, assignor to Associated Development & Research Corporation, New York, N. Y. Electric motor. 2,476,075, July 12.
- Wallach, Robert S.: *See*—
Bloomfield, Samuel, and Wallach.
- Walle, Ludwig S., Lansdowne, and L. J. Linde, Drexel Hill, Pa., assignors to General Electric Company. Automatic polyphase reclosing circuit breaker. 2,476,070, July 12.
- Wallen, Gerald J., San Francisco, Calif. Dressing tool for grinding wheels. 2,458,812, Jan. 11.
- Waller, Alfred F.: *See*—
Mosher, Philip P., and Waller.
- Waller, Cecil, and D. P. Woosley, assignors to Ilford Limited, Ilford, England. Production of photographic silver halide emulsions. 2,489,341, Nov. 29.
- Waller, Coy W., Pearl River, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Purifying pteroylglutamic acid. 2,466,665, Apr. 5.
- Waller, Coy W., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Purifying pteroylglutamic acid. 2,474,022, June 21.
- Waller, Fred, Huntington, assignor to The Vitarama Corporation, Huntington Station, N. Y. Screen for picture projections. 2,476,521, July 19.
- Waller, Fred, Huntington, N. Y. Desiccator. 2,487,620, Nov. 8.
- Waller, Fred, Huntington, N. Y., W. R. Dresser, Long Hill, Conn., R. R. Swain, Huntington, and R. W. Wengel, Rochester, assignors to The Vitarama Corporation, Long Island City, N. Y. Control band for gunnery training apparatus. 2,470,592, May 17.
- Waller, Fred, Huntington, N. Y., and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Sound reproduction accompanied by pictures. 2,475,439, July 5.
- Waller, Gustav M., Dundee, assignor to Burgess-Norton Manufacturing Company, Geneva, Ill. Center guide tread member for endless tracks. 2,458,755, Jan. 11.
- Waller, Matthew R., assignee: *See*—
Hearn, Fred A., Jr.
- Waller, William T., Philadelphia, Pa. Spot facing jig. 2,462,147, Feb. 22.
- Wallerstein Company, Inc., assignee: *See*—
Alba, Ralph T., and Wallerstein.
Wallerstein, James S., and Alba.
Wallerstein, James S., Farber, and Alba.
Wallerstein, James S., Schade, and Levy.
Wallerstein, Leo.
- Wallerstein, James S., and R. T. Alba, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Stabilized fermented beverages and manufacturing same. 2,470,006, May 10.
- Wallerstein, James S., New York, N. Y., and E. Farber, New Haven, Conn., and R. T. Alba, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Improving fermented beverages and product obtained thereby. 2,471,502, May 31.
- Wallerstein, James S., A. L. Schade, and H. B. Levy, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Improving the foam of fermented malt beverages and product obtained thereby. 2,478,988, Aug. 16.
- Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Alcoholic fermentations in the presence of inorganic adsorbents. 2,476,785, July 19.
- Walley, Omar C., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Carbon pile electric regulator. 2,488,455, Nov. 15.
- Wallgren, August G. F., Stockholm, Sweden. Double row roller bearing. 2,489,342, Nov. 29.
- Wallhausen, Clarence W., Morristown, N. J., assignor to United States Radium Corporation, New York, N. Y. Optical instrument illumination control. 2,476,340, July 19.
- Wallhausen, Clarence W., and H. H. Dooley, Morristown, N. J., assignors to United States Radium Corporation, New York, N. Y. Radioactive metal products and making same. 2,462,241, Feb. 22.
- Wallhausen, Clarence W., H. H. Dooley, Morristown, and C. C. Carroll, Madison, N. J., assignors to United States Radium Corporation, New York, N. Y. Radioactive metallic foil products. 2,476,644, July 19.
- Wallhausen, Clarence W., and H. H. Dooley, Morristown, and C. C. Carroll, Madison, N. J., assignors to United States Radium Corporation, New York, N. Y. Radioactive metal products and manufacturing. 2,479,882, Aug. 23.
- Wallin, Francis T., Brookline, Mass. Headrest for artificial respirators. 2,463,728, Mar. 8.
- Wallin, Francis T., Brookline, Mass. Collar for artificial respirators. 2,478,852, Aug. 9.
- Wallin, Gus W., Chicago, Ill., assignor to Motorola, Inc. Signal-amplifier stage. 2,480,937, Sept. 6.
- Wallin, Joseph W., assignor to E. Keeler Company, Williamsport, Pa. Steam generator. 2,489,690, Nov. 29.
- Walling, Lawrence J., Keyport, N. J., assignor of one-fifth to C. R. Stoddard, New York, and one-fifth to R. Harding, Jr., Elmsford, N. Y. Buff and making the same. 2,459,055, Jan. 11.
- Wallingford, Kenneth C., Tulsa, Okla. Foldable dip net. 2,486,233, Oct. 25.
- Wallingford, Vernon H., Ferguson, and A. H. Homeyer, Webster Groves, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Metallation of malonic esters. 2,478,853, Aug. 9.
- Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Aircraft body and wing arrangement. 2,459,009, Jan. 11.
- Wallis, Frank B., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 2,474,996, July 5.
- Wallis, Leonard F., Lower Hutt, Wellington, N. Z. Formation of rubber treads on vehicle tires. 2,476,786, July 19.
- Wallis, William C.: *See*—
McVey, Elmer E., Tatman, and Wallis.
- Walliser, Robert E., Libertyville, Ill., assignor of one-fourth to A. Hanisch, one-fourth to W. F. Stahl, and one-fourth to D. H. Berman, Chicago, Ill., and one-fourth to T. S. Johnson, Irvington, N. Y., trustee. Loom. 2,464,624, Mar. 15.
- Wallman, Carl B., Birmingham, assignor to Ex-Cell-O Corporation, Detroit, Mich. Indexing head. 2,460,477, Feb. 1.
- Wallman, Henry, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of war. Stagger damped tuned amplifier. 2,480,205, Aug. 30.
- Wallner, Rudolph, Sheboygan, Wis. Toilet flush tank valve. 2,488,457, Nov. 15.
- Walls, Billy, Colonie, Italy; C. M. Walls administrator of said Billy Walls, deceased. Aircraft flight control system. 2,460,374, Feb. 1.
- Walls, C. M., administrator: *See*—
Walls, Billy.
- Walls, Daniel W., Binghamton, N. Y. Camp trailer. 2,475,928, July 12.
- Wallsten, Walfred A.: *See*—
Widerberg, Oscar A., and Wallsten.
- Wallwork, Alfred, assignor to Carlyle Sales Corporation, Charlotte, N. C. Weaving textile containers. 2,471,380, May 24.
- Walma, Theodore K., Iowa City, Iowa. Fluid brake. 2,478,612, Aug. 9.

- Walmsley, David C., Battle Creek, Mich., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Hydraulic lift truck. 2,488,356, Nov. 15.
- Walpole, Milton E., Medina, Ohio. Doorstop. 2,483,306, Sept. 27.
- Walsh, Allen E., Fallon, Nev. Tail skinner. 2,489,734, Nov. 29.
- Walsh, Heston J., Roslyn, Wash. Harness for transporting power saws. 2,477,432, July 26.
- Walsh, Jacob, Brooklyn, N. Y. Gauge foot for sewing machines. 2,478,032, Aug. 2.
- Walsh, James P.: *See*—
Crede, Charles E., and Walsh.
- Walsh, John C., Arlington, Va. Bathtub cushion. 2,483,077, Sept. 27.
- Walsh, Joseph S., Cleveland, Ohio, assignor to The Fawick Airdrex Company, Inc. Exhaust valve. 2,488,949, Nov. 22.
- Walsh, Lester V., Chicago, Ill. Warning signal light. 2,475,365, July 5.
- Walsh, Philip J., assignor to Agency Electric Co., San Francisco, Calif. Electric power system. 2,461,133, Feb. 8.
- Walsh, Robert, Wilmington, Del., assignor to General Electric Company. Air cleaning axial flow blower. 2,471,178, May 24.
- Walsh, Robert H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic silicon compounds for dewebbing elastomer latices. 2,482,888, Sept. 27.
- Walsh, Robert H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of elastic polychloroprene threads, bands, etc. 2,482,889, Sept. 27.
- Walsh, Samuel R.: *See*—
Keene, Lester E., and Walsh.
- Walter, Bernard, San Rafael, Calif. Electric signal system for tables. 2,491,841, Dec. 20.
- Walter, Charles W. P., Woodhaven, assignor to Western Electric Company, Incorporated, New York, N. Y. Contact fixture. 2,461,616, Feb. 15.
- Walter, George R., and N. P. Kemp, Baltimore, Md., assignors to American Smelting and Refining Company, New York, N. Y. Drying selenium with high-frequency electric current. 2,488,839, Nov. 22.
- Walter, Harold J., Uxbridge, Mass., and P. R. Rose, East Orange, N. J. Apparatus for heat-treating air-pervious strip material. 2,471,802, May 31.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Di(aryl sulfonyl) peroxides as latent curing catalysts for acid-curing thermosetting materials. 2,467,280, Apr. 12.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of ammeline. 2,467,712, Apr. 19.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. 3,5-dihydroxy-4-dihydro-thiadiazine-1-dioxide and its preparation. 2,473,042, June 14.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of 3,6-diamino-1,4-dihydro-1,2,4,5-tetrazine. 2,475,440, July 5.
- Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. 3,5-diamino-4-dihydro-thiadiazine-1-dioxide. 2,479,441, Aug. 16.
- Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool slide bearing. 2,479,653, Aug. 23.
- Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Clapper box and block. 2,489,942, Nov. 29.
- Walter, Jules G., and S. Cohn, assignors to Samcoe Holding Corporation, New York, N. Y. Method of and apparatus for handling tubular knitted fabric. 2,467,281, Apr. 12.
- Walter, Laurence, Albany, Calif. Electrical connector apparatus. 2,481,181, Sept. 6.
- Walter, Lawrence B.: *See*—
Marcus, Jerome R., and Walter.
- Walter, Lawrence D., Lamar, Mo. Tool. 2,468,386, Apr. 26.
- Walter, Leo N., Oak Glenn, Ill. Forced air heater. 2,478,069, Aug. 2.
- Walter, Lewis A., East Orange, assignor to The Maltbie Chemical Company, Newark, N. J. N-allyl-2-pyridone-5-carboxylic acid. 2,475,929, July 12.
- Walter, William H., Chicago, Ill. Apparatus for centrifugal castings. 2,462,794, Feb. 22.
- Walters, Charles A., Portsmouth, Ohio. Circular burnisher planer and molding head. 2,474,559, June 28.
- Walters, Ernest G., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic core. 2,467,101, Apr. 12.
- Walters, Frank J., U. S. Navy. Strip chart holder. 2,482,818, Sept. 27.
- Walters, Frank J., and H. B. Nelson, U. S. Navy. Arresting gear for seaplanes. 2,478,217, Aug. 9.
- Walters, Harold G., United States Army, Richmond, Ind. Liquid sprayer. 2,460,861, Feb. 8.
- Walters, John Nugent, New York, N. Y. Finger-weight artery compressor. 2,480,430, Aug. 30.
- Walters, Joseph, Luton, England. Steering and like gearing. 2,486,510, Nov. 1.
- Walters, Leonard J.: *See*—
Krafft, Herman L., and Walters.
- Walters, Leslie W., assignor of one-half to R. G. Clay, Pierson, Iowa. Folding wall table. 2,484,326, Oct. 11.
- Walters, Philip, Chicago, Ill. Burglar alarm. 2,486,234, Oct. 25.
- Walters, Vernon F., assignor to Howry-Berg Steel & Iron Works, Denver, Colo. Grain loading device. 2,492,341, Dec. 27.
- Walters, William D., assignor to Cogsdill Twist Drill Company, Inc., Detroit, Mich. Chuck. 2,467,569, Apr. 19.
- Walters, Wyeth C., assignor to CCA Products Engineering Company, Glendale, Calif. Compressed air treatment device. 2,459,398, Jan. 18.
- Walt, Alphonse, Westneid, assignor to Merck & Co., Inc., Rahway, N. J. Lower aliphatic carboxylic acid salts of streptotharicin and streptomycin. 2,481,267, Sept. 6.
- Walte, Edwin H., Jr., Los Angeles, Calif. Recoiling barrel firearm with a breech bolt and breech bolt carrier. 2,481,548, Sept. 13.
- Walton, Albert E., Detroit, Mich. Window sash lock. 2,480,988, Sept. 6.
- Walton, Arthur F., Burbank, Calif., assignor to Adel Precision Products Corp. Solenoid switch assembly. 2,467,063, Apr. 12.
- Walton, George M., Shaker Heights, assignor to Air-Maze Corporation, Cleveland, Ohio. Liquid filter element. 2,473,979, June 21.
- Walton, George W., Farnham Common, England. System for remote indication and control and automatic computation. 2,490,891, Dec. 13.
- Walton, Harry J., Philadelphia, assignor of one-half to H. T. Bacon, Lansdowne, and one-half to L. A. Sandman, Philadelphia, Pa. Flange bender. 2,477,355, July 26.
- Walton, Henry B. and L. E. A., London, England. Hair Curler. 2,466,976, Apr. 12.
- Walton, Howard T., Pittsburgh, Pa., and R. F. Woll, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stator construction. 2,488,458, Nov. 15.
- Walton, Hurshel K., Marshall, Mo. Slidably and pivotally mounted mailbox. 2,477,276, July 26.
- Walton, Joseph C., and R. R. Rundell, Miami, Fla. Electric wall socket. 2,469,939, May 10.
- Walton, L. E. A.: *See*—
Walton, Henry B. and L. E. A.
- Walton, William L.: *See*—
Shaw, Joe C., and Walton.
- Waltz, Joseph E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of synthetic linear polyamide threads. 2,477,156, July 26.
- Waltz, Maynard C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lamp socket for series lighting circuits. 2,484,596, Oct. 11.
- Walworth Company, assignee: *See*—
Ost, William R.
- Walworth, Vivian K.: *See*—
Ryan, William H., and Walworth.
- Walz, Claude W.: *See*—
Bozeman, Virgil F., Sr., Walz, Griff, and Clausen.
- Walz, Claude W., Rock Island, assignor to Deere & Company, Moline, Ill. Self-unloading vehicle. 2,477,707, Aug. 2.
- Walz, Claude W., and R. D. Griff, Moline, Ill., and C. T. Rasmussen, San Jose, Calif., assignors to Deere & Company, Moline, Ill. Beet harvester. 2,463,447, Mar. 1.
- Wamnes, Leonard B.: *See*—
Wheeler, William H., and Wamnes.
- Wampler, Melville E., Chicago, Ill., assignor, by mesne assignments, to Acme Staple Company, Camden, N. J. Staple driving machine. 2,481,892, Sept. 13.
- Wand, Albert I., Pasadena, Calif., assignor to Mundet Cork Corporation, Brooklyn, N. Y. Magnesium oxychloride coating material. 2,463,663, Mar. 8.
- Wandel, Oscar A., assignor to H. A. Torstenson, Chicago, Ill. Magazine closure for stapling machines. 2,472,032, May 31.
- Wandrey, Clarence W., Wheaton, Ill., assignor to the United States of America as represented by the Secretary of War. Projectile offset. 2,475,730, July 12.
- Wang, Chung Yu, New York, N. Y. Starring mixture for antimony smelting. 2,484,976, Oct. 18.
- Wangelin, Donald A.: *See*—
Bauer, Carl F., and Wangelin, and Scott.
- Wangerin, Elmer O., and R. K. Walker, assignors to Eastman Kodak Company, Rochester, N. Y. Shutter alarm. 2,484,436, Oct. 11.
- Wannamaker, William H., Jr.: *See*—
Eckman, Donald P., and Wannamaker.
- Caldwell, John A., Wannamaker, Jr., and Kuntz.
- Wanner, Maurice, Wettingen, Switzerland. Plural electric motor transmission system. 2,480,065, Aug. 23.
- Wanzer, Arthur W., assignor to Murray & Tregurtha, Inc., Quincy, Mass. Outboard propeller mechanism for barges, scows, and the like. 2,458,813, Jan. 11.
- Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus. 2,473,494, June 14.

- Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Analyzing apparatus. 2,488,505, Nov. 15.
- Wanty, Ruth C.: *See*—
Bloom, Oscar T., and Wanty.
- Wantz, Clarence, and R. K. Engholdt, Milwaukee, Wis., assignors to Erie Manufacturing Company, Milwaukee, Wis. Pressure gauge. 2,466,519, Apr. 5.
- Wanzenberg, Frederick W., Chicago, Ill., assignor to The Burdick Corporation, Milton, Wis. High-frequency diathermy applicator. 2,476,645, July 19.
- Wappner, Ralph C., assignor to The Ohio Thermometer Company, Springfield, Ohio. Thermometer. 2,482,228, Sept. 20.
- War, Lawrance T.: *See*—
Tomasek, Herbert F., and Ward.
- War, United States of America as represented by the Secretary of, assignee: *See*—
Abbott, Jerome G.
Africano, Alfred.
Alderson, Jon W.
Alford, Andrew, and Barkofsky.
Allen, Henry B., and Smith.
Althouse, James M., and McAdams.
Alvarez, Luis W.
Aron, Walter and Ehlers.
Audrieth, Ludwig F., and Sager.
Avila, Charles F.
Bancora, Mario E.
Barfield, Morris L., and Gurtowski.
Becker, Otto A.
Beeman, Donald R.
Bernart, William F., Jr., Rouan, Ford, and Thatcher.
Beth, Richard A.
Bjork, Carold F.
Bjork, Carold F., and Woods.
Bottom, Virgil E.
Brack, Dennis L.
Brackett, Frederick S.
Breen, Stanley, and Chu.
Breen, Stanley L., Chu, and Pao.
Byrne, John F.
Byrne, John F., and Kamphoefner.
Cady, Willoughby M.
Campbell, Arthur W.
Chambers, Carl C., and Showers.
Chase, Leland H.
Chu, Lan J.
Clapp, Roger E.
Clarke, Hans T.
Cole, Peter A., and Kuper.
Collup, Doyle E.
Conant, Goldsmith H., Jr., and Morris.
Cook, John C.
Cork, Bruce.
Cork, Bruce B., and Brewer.
Daniel, Arthur F.
Daniels, Farrington.
Darr, John E., Jr., and Matson.
Drake, Nathan L., and Van Hook.
Early, Harold C.
Edlen, George G.
Elderfield, Robert C., and Head.
Ellis, Grenville B.
Elmore, William C., and Marshall.
Englehardt, George B.
Etten, Nicholas L.
Everhart, Edgar.
Eyges, Leonard J.
Faralla, Raoul A.
Fenn, Griesheimer, and Keuffel.
Forsbergh, Peter W., Jr.
Frazier, Quentin.
Fry, Glenn A.
Fubini, Eugene, and Hamermesh.
Fubini, Eugene, Kregel, and Stephenson.
Gaidos, Alonzo F.
Gamertsfelder, George R.
Garand, John C.
Getler, Maurice W.
Glados, Alonzo F.
Gilbert, Edgar N.
Goff, Milton R.
Golden, Sidney.
Griesheimer, Rudolph N.
Griffith, Forrest L.
Groh, Bernard C.
Hallman, Ludlow B., Jr.
Halpern, Julius.
Harris, Edward R.
Harvey, Earle M.
Hecker, Lawrence G.
Hickman, Clarence N.
Holcomb, Normand P.
Holden, Lawrence T.
Hollingsworth, Lowell M., and Smullin.
Hudspeth, Emmett L.
War, United States of America as represented by the Secretary of, assignee: *See*—Continued.
Huff, Roy L.
Hulstede, George E.
Humphrey, Paul E.
Hutchinson, Franklin.
Irving, Jack H.
Jacobsen, Andrew B.
Johnston, Lawrence H.
Kester, Robert E.
King, John M.
Koepfli, Joseph B., and Buchman.
Kusch, Polykarp.
Lenny, George W., Jr., and Ward.
Liljegren, Lyle K.
Lochhead, John L.
Mandel, Hyman J.
Marchetti, John W.
McGee, Kenneth, and Vanderpool.
Meinel, Aden B.
Meyer, Harold F.
Mizen, Carlton A.
Montgomery, Carol G.
Moore, Cyril A.
Moore, James R.
Moore, James R., and Pacini.
Moore, Wiley T.
Moore, Wiley T., and Nelson.
Moore, Wiley T., and Thibodeau.
Morgan, Russell H., and Hodges.
Mueller, William S.
Mysels, Karol J.
Nelson, Carl F.
Nordsieck, Arnold T.
O'Brien, Laurence A.
Overacker, Horace E.
Pacini, Humbert P.
Parham, Billy G.
Pease, Marshall C.
Pitzer, Kenneth S.
Prichard, Arthur C.
Purcell, Edward M.
Ragan, George L.
Rambo, William R.
Record, Frank A.
Riblet, Henry J.
Rieke, Foster F.
Robertson, Oswald H., Puck, and Wise.
Rosenberg, Paul.
Rosenberg, Paul, and Garman.
Rothman, Max I., and Shapiro.
Sackville, William.
Sampson, Frederick W., and Hyde.
Schmitt, Otto H.
Selove, Walter.
Senn, Jurg A.
Shive, Scott L.
Sichak, William.
Signaigo, Frank K.
Silliman, Robert M.
Silver, Walter T.
Simpson, Clarence E.
Skinner, Leslie A.
Skinner, Leslie A., and Folse.
Smullin, Louis D., and Wiesner.
Sorvaag, Clarence M.
Sperling, Jacob G.
Stewart, Chandler, Jr.
Stoner, Richard G., and Lampson.
Stuart, Joseph, II.
Summerbell, William, and Weiss.
Tarbell, Dean S., Shakespeare, and Bunnett.
Tobias, Cornelius A.
Todd, Edwin T.
Tyson, Owen A.
Uhl, Edward G., and Skinner.
Van Dyke, Henry A.
Van Gilder, Russell D.
Volkman, John.
Wallman, Henry.
Wandrey, Clarence W.
Weiss, Herbert K.
Weiss, Saul.
Whitson, William L.
Wilkie, Harry.
Wilson, Benjamin J., Machler, Polster and Murray.
Wilson, Benjamin J., and Stringer.
Witzky, Julius E., Lang, and Jakob.
Yamins, Hyam G., and Dunn.
- Waraner, Stanley, Chicago, Ill. Clipper sterilizer. 2,482,388, Sept. 20.
- Warburton, Dick M., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Purification of alkylation mixtures. 2,477,671, Aug. 2.
- Warburton, Frank D., Southgate, Calif. Carburetor. 2,462,695, Feb. 22.
- Warburton, Frank D., South Gate, Calif. Carburetor. 2,462,696, Feb. 22.

- Warburton, Frank D., South Gate, Calif. Vehicle. 2,464,952, Mar. 22.
- Warburton, Robert H., Flint, Mich. Two-speed transmission for bicycles. 2,479,654, Aug. 23.
- Warcup, Frederick J., Nyack, N. Y. Cleaning means for beer dispensers. 2,458,230, Jan. 4.
- Warcup, Frederick J., Nyack, N. Y. Beer dispenser with coil cleaning means. 2,477,222, July 26.
- Ward, Alfred H.: *See*—
Harris, Arch W., and Ward.
- Ward Baking Company, assignee: *See*—
Russ, Walter R., Hoffman, Schweitzer, and Dalby.
- Ward, Bert G., Jr., assignor to National Cylinder Gas Company, Chicago, Ill. Heat and hardening burner. 2,481,961, Sept. 13.
- Ward, Blenkinsop & Company Limited, assignee: *See*—
Goldberg, Alan A., Kelly, and Turner.
- Ward, Blenkinsop & Company Limited, of Brooklands, assignee: *See*—
Pickholz, Siegfried, and Dickenson.
- Ward, Charles W., Bradenton, Fla. Right triangle solving device. 2,481,549, Sept. 13.
- Ward, D. W., assignee: *See*—
Grable, Donovan B.
- Ward, Ernest R.: *See*—
Taylor, David, and Ward.
- Ward, Frank T., Wilton, Conn. Slack adjuster. 2,478,142, Aug. 2.
- Ward, George A., Rome, N. Y. Trailer dolly. 2,463,926, Mar. 8.
- Ward, George A., and O. Koleske, assignors to Modern Machine Products Co., Springfield, Ill. Rope holder. 2,471,503, May 31.
- Ward, George C.: *See*—
Dreyfus, Camille, Seymour, and Ward.
- Ward, George C., Cumberland, Md., and R. U. Genazzani, New York, N. Y., assignors to Celanese Corporation of America. Recovery of wool from wool-acetate fabrics. 2,472,238, June 7.
- Ward, George L., Northwood, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric soldering apparatus. 2,462,148, Feb. 22.
- Ward, Gustavious C., Sugar Grove, N. C. Semiautomatic woven wire clamp. 2,480,796, Aug. 30.
- Ward, Herbert K., Birmingham assignor to Parker Rust Proof Company, Detroit, Mich. Coating metal surfaces comprising aluminum. 2,477,841, Aug. 2.
- Ward, Hugh J.: *See*—
McWhirter, Eric M. S., d'Assis-Fonseca, and Ward.
- Ward, John E., assignor of one-fourth to M. T. Ward, Maywood, Calif., and one-fourth to V. W. Sorensen, and one-fourth to E. G. Sorensen, New York, N. Y. Nail paint applicator. 2,467,570, Apr. 19.
- Ward, John W., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversions of hydrocarbons. 2,460,404, Feb. 1.
- Ward, Joseph G., Staten Island, N. Y. Container cap and valve therefor. 2,472,555, June 7.
- Ward, Leonard, Electric Company, assignee: *See*—
Cohen, Arthur M.
Ganci, Charles J.
Hysler, John F.
Stapleton, George M.
- Ward, Marie T., assignee: *See*—
Ward, John E.
- Ward, Paul E.: *See*—
Lenny, George W., Jr., and Ward.
- Ward, Robert N., and H. F. Sedgebury, assignors to The Egry Register Company, Dayton, Ohio. Register. 2,490,390, Dec. 6.
- Ward, Roland: *See*—
Pitha, John J., and Ward.
- Ward, Rufus N., assignee: *See*—
Hicks, Marvin L.
- Ward, Taylor: *See*—
Lau, Daniel R., and Ward.
- Ward, Vincent S., and G. K. Hurlbut, assignors, by mesne assignments, to B M C Manufacturing Corporation, Binghamton, N. Y. Toggle actuated and adjustably mounted pivoted jaw wrench. 2,464,472, Mar. 15.
- Ward, Vincent S., and G. K. Hurlbut, assignors to B. M. C. Manufacturing Corporation, Binghamton, N. Y. Cam lever actuated pivoted jaw wrench. 2,475,866, July 12.
- Ward, Vincent S., and G. K. Hurlbut, assignors, by mesne assignments, to BMC Manufacturing Corporation, Binghamton, N. Y. Toggle actuated and adjustably mounted pivoted jaw wrench. 2,478,728, Aug. 9.
- Ward, Wilfred H., and C. H. Binkley, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Keratin derivatives and preparation thereof. 2,474,339, June 28.
- Ward, William C., and A. B. Scott, assignors to Eaton Laboratories, Inc., Norwich, N. Y. Vaginal suppository. 2,469,618, May 10.
- Ward, William D., Decatur, Ill. Automatic card punching machine. 2,465,300, Mar. 22.
- Ward, William E.: *See*—
Everson, Russell B., and Ward.
- Warde, Robert H., assignor to The De Havilland Aircraft Company Limited, Hatfield, England. Variable pitch airscrew. 2,461,791, Feb. 15.
- Warde, Walter T., assignor to Foster and Kleiser Company, San Francisco, Calif. Stenciling with sectional screens. 2,469,671, May 10.
- Warden, Alva F., Gary, and L. A. Harry, Crown Point, Ind. Antiskid device. 2,474,291, June 28.
- Warden, Warren B., Bradford, Pa., assignor to P. J. Gaylord, Newark, N. J. Waterproofing cellulosic material with higher aliphatic acyl peroxides. 2,460,777, Feb. 1.
- Wardy, Harry A., Los Angeles, Calif. Filing device. 2,485,519, Oct. 18.
- Wargas, Joseph J., Astoria, Long Island, N. Y. Safety device for presses or stamping machines. 2,463,334, Mar. 1.
- Wargis, Edward F.: *See*—
Harkness, Joseph R., and Wargin.
- Waring, Robert K.: *See*—
Peirce, Willis M., Waring, and Fetterolf.
- Warman, Nathan W., Los Angeles, Calif. Pivoted outer jaw wrench having fulcrum-detent quickly shiftable along handle rack. 2,464,953, Mar. 22.
- Warmbein, Kurt C.: *See*—
Williams, Edward R., Warmbein, and Lundquist.
- Warmey, Bernard A., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. X-ray control switch. 2,485,340, Oct. 18.
- Warmoltz, Nicolaas, Bindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube having a fluid or solid cathode and a capacitive igniter. 2,473,232, June 14.
- Warnat, Kurt, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Producing thiamin derivatives. 2,458,453, Jan. 4.
- Warner Aircraft Corporation, The, assignee: *See*—
Majneri, Ludwig A.
Martens, Edward R.
- Warner, Alden Y., Farmington, and W. J. Craven, East Hartford, assignors to The Capewell Manufacturing Company, Hartford, Conn. Quick-release connector for straps and the like. 2,473,554, June 21.
- Warner, Arthur P., Beloit, Wis. Magnetic friction clutch. 2,492,205, Dec. 27.
- Warner, Beatrice E., Kent, Ohio. Doll walker. 2,465,301, Mar. 22.
- Warner, Benjamin R., Chicago, Ill., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Hydrocarbon synthesis. 2,467,282, Apr. 12.
- Warner, Benjamin R., Chicago, Ill., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Fischer-Tropsch catalyst and its preparation. 2,467,283, Apr. 12.
- Warner Bros. Pictures, Inc., assignee: *See*—
McClay, Royal C.
- Warner Brothers Pictures Incorporated, assignee: *See*—
Tondreau, Albert W., and McGreal.
- Warner, Donald F., Swampscott, Mass., assignor to General Electric Company, Intake and exhaust manifold pressure-responsive control for engine superchargers. 2,480,621, Aug. 30.
- Warner, Donald T., and O. A. Moe, Minneapolis, Minn., assignors to General Mills, Inc. Synthesis of cyano acylamino tricarboxylate compounds and products. 2,468,352, Apr. 26.
- Warner, Douglas K., Sarasota, Fla. Power lift plane. 2,462,578, Feb. 22.
- Warner, Douglas K., Sarasota, Fla. Aircraft whose lift is increased by power means. 2,469,619, May 10.
- Warner Electric Brake Manufacturing Company, assignee: *See*—
Meyer, Arthur A.
Oetzel, John G.
- Warner, Frank W.: *See*—
Gale, Marvin E., and Warner.
- Warner, Homer C., assignor to The Lees-Bradner Company, Cleveland, Ohio. Holding device. 2,464,625, Mar. 15.
- Warner, John R., Windsor, Ontario, Canada. Bicycle sidecar. 2,485,994, Oct. 25.
- Warner, Lester W., Miami, Fla. Mattress. 2,462,579, Feb. 22.
- Warner, M. M., assignee: *See*—
Skala, Ljubomir W.
- Warner Manufacturing Co., assignee: *See*—
Carlson, Carl E.
- Warner, Michael M., Chicago, Ill. Spray gun. 2,473,667, June 21.
- Warner, Milton W., Long Beach, Calif. Splice wrapper. 2,460,478, Feb. 1.
- Warner, Robert B., Los Angeles, Calif. Toilet seat lifter. 2,473,082, June 14.
- Warner, Ruth B.: *See*—
Carnes, Joseph J., and Warner.
Thurston, Jack T., and Warner.
- Warner, Samuel W., Newark, N. J. Floating electrode. 2,474,340, June 28.
- Warner, Sherman K.: *See*—
Konen, Arne E., and Warner.
- Warner & Swasey Company, The, assignee: *See*—
Bogart, Fred H.
Darash, Nicholas P.
DeGraff, Wilbur C.
Lange, Max E.
Tomlinson, Fay M.
Weiss, Irving F.

- Warner, William R., assignor: *See*—
Page, Bruno.
- Warner, William R., Co., Inc., assignee: *See*—
Kastning, Ernst H., and Lischer.
- Warner, William R., & Co., Inc., assignee: *See*—
Gee, Albert H.
Levy, Harold, and Daniels.
Schwarzkopf, Otto, and Lewis.
Wuest, Heinz M.
- Warnock, Frank E., Merwood, Pa., assignor to General Electric Company. Electric switch. 2,480,622, Aug. 30.
- Warnock, Orin B., and R. Benner, Nampa, Idaho. Power digger and loader. 2,469,187, May 3.
- Warneke, Hans G., Detroit, Mich. Leak proof cylinder. 2,465,560, Mar. 29.
- Warnken, Elmer, Colerain Township, Hamilton County, Ohio. Induction coil. 2,459,605, Jan. 18.
- Warnshius, Frederic M., Santa Cruz, Calif., and R. T. Lawrence, St. Albans, N. Y. Pneumatic tire alarm. 2,463,335, Mar. 1.
- Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Louvered sheet material. 2,492,909, Dec. 27.
- Warren, Arthur E., Des Moines, Iowa. Quarter boot for horses. 2,474,446, June 28.
- Warren, Clifford A., Watchung, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,458,885, Jan. 11.
- Warren Company, Incorporated, The, assignee: *See*—
Warren, Virgil P., II.
- Warren, Doyle, Monrovia, assignor to Chiksan Tool Company, Brea, Calif. Swivel connection. 2,489,441, Nov. 29.
- Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Swivel joint. 2,459,981, Jan. 25.
- Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Sanitary swivel coupling. 2,486,451, Nov. 1.
- Warren Featherbone Co., The, assignee: *See*—
Haman, Howard H., and Schmidt.
Schmidt, William E., and Ritzler.
- Warren, George T., and R. A. Jordan, Gunthorpes, Antigua, British West Indies, assignors to The Dorr Company, New York, N. Y. Clarification of sugar cane juice. 2,470,076, May 10.
- Warren, Glenn B., and E. E. Parker, Schenectady, N. Y., assignors to General Electric Company. Shutoff valve. 2,483,163, Sept. 27.
- Warren, Harry L., South Pasadena, assignor to Southern California Gas Company, Los Angeles, Calif. Cooking range with ventilating hood. 2,482,952, Sept. 27.
- Warren, Henry E., Ashland, Mass. Repulsion synchronous motor. Re. 23,155, Oct. 11.
- Warren, Henry E., Ashland, Mass. Prime mover dynamo plant with speed governor. 2,458,325, Jan. 4.
- Warren, Henry E., Ashland, Mass. Repulsion synchronous motor. 2,474,797, June 28.
- Warren, James P., Freeport, Tex. Wind-pressure gauge. 2,462,577, Feb. 22.
- Warren, John B., Jr., Houston, Tex. Detecting wear on bits. 2,468,905, May 3.
- Warren, John C. R., Elmira, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Preparation of polychlorophenoxyacetic acids useful as plant growth regulators. 2,480,817, Aug. 30.
- Warren, Pat, Fort Worth, Tex. Tube testing apparatus. 2,458,814, Jan. 11.
- Warren, S. D., Company, assignee: *See*—
Bicknell, John A.
Johnson, Stanley J.
- Warren, Virgil P., II, assignor to The Warren Company, Incorporated, Atlanta, Ga. Refrigerator having an air-pump circuit. 2,463,835, Mar. 8.
- Warren Webster & Company, assignee: *See*—
Fitz Gerald, Alan S.
- Warren, William H., West Orange, and N. H. Green, Hasbrouck Heights, N. J., assignors to Radio Corporation of America. Mount structure for electron discharge devices. 2,476,646, July 19.
- Warrender, Ralph, Sharon, Pa. Bobsled. 2,470,448, May 17.
- Warrick, Earl L.: *See*—
McGregor, Rob R., and Warrick.
- Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Making rubbery polymeric organo-siloxane compositions. 2,460,795, Feb. 1.
- Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Organosiloxane elastomers. 2,480,620, Aug. 30.
- Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Polymerization of organo-siloxanes. 2,481,052, Sept. 6.
- Warrick, Edward C., Cincinnati, Ohio, and H. Cruzan, Los Angeles, Calif., assignors to United Aircraft Products, Inc., Dayton, Ohio. Oil cooler. 2,470,667, May 17.
- Warrick, Frederick P.: *See*—
Bower, Stewart P., and Warrick.
- Warring, Alfred: *See*—
Langley, Stanley, and Warring.
- Warrington, Albert R. van C., Wallingford, Pa., assignor to General Electric Company. Protective relay for alternating-current systems. 2,467,872, Apr. 19.
- Warrington, Laird B., assignee: *See*—
Rasmussen, Arthur M.
- Warrington, Richard R., Victoria, Ontario, Canada. Combination hand saw and measuring tool. 2,478,347, Aug. 9.
- Warsaw Elevator Co., assignee: *See*—
Pettengill, George D., Jarvis, and Fader.
- Warshaw, Howard D., Drexel Hill, Pa. Fluid flow responsive transmitter for telemetering systems. 2,487,083, Nov. 8.
- Warshaw, Nathaniel, Brookline, assignor to Market Forge Co., Everett, Mass. Rollerway conveyer. 2,470,275, May 17.
- Warsher, Adolph, Maywood, assignor to M. M. Bilofsky Newark, N. J. Glow discharge switch. 2,485,520, Oct. 18.
- Warsher, Adolph, assignee: *See*—
Pollock, Jacob.
- Warshy, Edward A. J., Brooklyn, and F. Daniel, Maspeth, N. Y. Increasing diameters. 2,463,580, Mar. 8.
- Warstler, Walter H.: *See*—
Roth, Herman P., and Warstler.
- Wartinen, William A., San Francisco, Calif. Calculator. 2,469,672, May 10.
- Warzynski, Theodore W., Chicago, Ill. Cleaner for lubrication fittings. 2,479,796, Aug. 23.
- Washbond, Harry H., and O. R. Beattie, assignors to The Baker Manufacturing Company, Springfield, Ill. Winch. 2,471,988, May 31.
- Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,472,870, June 14.
- Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,475,653, July 12.
- Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,489,344, Nov. 29.
- Washburn, Harold W., and C. E. Berry, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,486,452, Nov. 1.
- Washburn, Kathryn, Bethesda, Md., now by marriage Kathryn Ewert, Brassiere. 2,481,373, Sept. 6.
- Washington, George, Jr., Morristown, N. J. Engraving facsimile system. 2,489,691, Nov. 29.
- Washington, Robert W., Blue Island, Ill. Periodic rotary metering and distributing valve. 2,483,949, Oct. 4.
- Washken, Edward: *See*—
Buerger, Martin J., and Washken.
- Washmobile Corporation, assignee: *See*—
Hopper, William H., and Drake.
- Wasser, Joseph A., Kirkwood, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Sequentially operated igniter control system for pilot and main burners. 2,479,797, Aug. 23.
- Wasserlein, Henry G., Joliet, assignor to Phillips Control Corp., Chicago, Ill. Solenoid actuated valve. 2,458,123, Jan. 4.
- Wasserman, Arthur A., Boston, assignor of one-half to L. Cohen, Quincy, Mass. Doll stroller. 2,474,388, June 28.
- Wasserman, Lee S., and M. L. Deutsch, Dayton, Ohio. Vibration absorber device for helicopters. 2,489,343, Nov. 29.
- Wasserman, Rene D., New York, N. Y. Weldrod flux coating. 2,471,803, May 31.
- Wasserman, Rene D., New York, N. Y. Welding fluxes. 2,479,798, Aug. 23.
- Wassermann, Rene, New York, N. Y. Welding or brazing flux composition. 2,481,053, Sept. 6.
- Wasson, Jones I., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Rust-preventing compounds. 2,474,604, June 28.
- Wasson, Jones I., Union, and J. W. Hand, Jr., Summit, N. J., assignors to Standard Oil Development Company. Rust inhibiting composition. 2,485,341, Oct. 18.
- Wasson, Jones I., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Rust inhibitor for mineral oils. 2,491,066, Dec. 13.
- Wasson, Zack B., Dallas, Tex. Ship fender. 2,460,913, Feb. 8.
- Watcher, Albert K., Kenwood, assignor to The Cleveland Automatic Machine Company, Norwood, Ohio. Micrometer adjusting dial. 2,492,545, Dec. 27.
- Waterbury Corrugated Container Co., assignee: *See*—
Dawson, Kenwood S.
- Waterbury Ferrel Foundry and Machine Company, The, assignee: *See*—
Robichaud, Edmund J.
- Waterbury, Ronald J., Birmingham, and E. J. Premo, assignors to General Motors Corporation, Detroit, Mich. Truck cab mount. 2,485,794, Oct. 25.
- Waterfall, Frederick D., Warley, Birmingham, England, assignor to Imperial Chemical Industries Limited. Selective carburization of metals. 2,485,176, Oct. 18.
- Water Hammer Arrestor Corp., assignee: *See*—
Brielmaier, Aloysius J.
- Waterman, Howard L., Moline, Ill., assignor to International Harvester Company. Harvester thresher with pivoted platform and auger feed. 2,491,236, Dec. 13.
- Waterman, Arthur C., Shreveport, La. Container support. 2,466,288, Apr. 5.

- Waterman, Herbert C., assignor to Bendix Aviation Corporation, South Bend, Ind. Motor control. 2,472,736, June 7.
- Waterman, Howard L.: *See*—Hardy, Lloyd A., and Waterman.
- Waterman, Wendell W.: *See*—Waddell, Clarence C., Vickers, and Waterman.
- Waterman, Wendell W., Cranford, N. J., assignor to Standard Oil Development Company. Stripping of emulsion polymerization latices. 2,462,013, Feb. 15.
- Waters, Cecil, Manhattan, Mont. Hog scraper. 2,481,182, Sept. 6.
- Waters, Cecil P., Fort Lauderdale, Fla. Coconut husk removing tool. 2,472,354, June 7.
- Waters, Daniel V., Flemington, N. J., assignor to Western Electric Company, New York, N. Y. Material working apparatus. 2,464,107, Mar. 8.
- Waters, Harry, New York, N. Y. Garment frame. 2,482,953, Sept. 27.
- Waters, Herbert H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Processing rubber compound. 2,459,745, Jan. 18.
- Waters, James F., New York, N. Y. Cleaning and polishing apparatus. 2,466,520, Apr. 5.
- Waters, John L., Salem, assignor, by mesne assignments, to C. F. Gerlinger, Dallas, Oreg. Rotary ball valve. 2,461,617, Feb. 15.
- Waters, John L., Salem, Oreg., assignor to Xpediter Corporation, Seattle, Wash. Power-driven hand truck and transmission therefor. 2,468,316, Apr. 26.
- Waters, Robert S.: *See*—George, Earl B., Wallace, and Waters.
- Waters, Roscoe H., Elizabethtown, Ky. Adjusting means for stationary jaws of duplex crushers. 2,487,744, Nov. 8.
- Waterson, Arthur P., Tulsa, Okla., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Pilot operated servo valve. 2,464,626, Mar. 15.
- Waterson, Arthur P., Tulsa, Okla., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Hydraulic tool control unit. 2,474,134, June 21.
- Waterval, William, Brooklyn, N. Y. Propeller. 2,474,562, June 28.
- Watford Electric & Manufacturing Company, Limited, assignee: *See*—Vuille, Bernard A.
- Wathen, Robert L., Hempstead, N. Y., assignor to The Sperry Corporation. Navigation instrument. 2,467,412, Apr. 19.
- Wathen, Robert L., Hempstead, and R. H. Varian, Garden City, N. Y., assignors to The Sperry Corporation. Velocity modulation apparatus. 2,466,064, Apr. 5.
- Watkins, Arthur S., Walpole, N. H., assignor, by mesne assignments, to Produx Corporation, Port Clinton, Ohio. Injection molding apparatus. 2,488,786, Nov. 22.
- Watkins, Ernest R., Anderson, assignor, by mesne assignments, to New Castle Products, Inc., New Castle, Ind. Curved foldable closure. 2,460,157, Jan. 25.
- Watkins, Franklin M., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,467,713, Apr. 19.
- Watkins, Franklin M., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Oil addend. 2,470,276, May 17.
- Watkins, Randall C.: *See*—Werner, Rudolph A., and Watkins.
- Watkins, Robert E., Kansas City, Mo. Golf putting target. 2,459,559, Jan. 18.
- Watkins, Thomas W., Sr., Oroville, Calif. Fish lure. 2,476,934, July 19.
- Watkins, William H., Axton, Va. Transposing keyboard. 2,485,795, Oct. 25.
- Watkins, William M., Jr., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator. 2,489,209, Nov. 22.
- Watkins, William W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modification of polyamides. 2,474,923, July 5.
- Watkinson, Eric, Hinders Park, South Australia, Australia, A. W. Storm, Eindhoven, Netherlands, and C. G. Smith, Sydney, New South Wales, Australia, assignors to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Audio-frequency amplifier. 2,473,265, June 14.
- Watliff Company Limited, assignee: *See*—Hinchliff, Arthur O.
- Watrous, Ward W., Jr., Chatham, and C. H. Gleason, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,479,529, Aug. 16.
- Watson, C. Newbold, Wynnewood, Pa., assignor to Standard Oil Development Company. Crankcase conditioning oil. 2,481,268, Sept. 6.
- Watson, Charles C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Controlling and equalizing tube temperatures. 2,458,756, Jan. 11.
- Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Catalytic conversion of carbon oxides. 2,486,894, Nov. 1.
- Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Catalytic conversion of carbon oxides. 2,486,895, Nov. 1.
- Watson, Claude W., Eastchester, C. C. Burton, New York, and L. P. Scoville, Yonkers, assignors to The Texas Company, New York, N. Y. Alkylation method. 2,474,924, July 5.
- Watson, Cyril D., Farnborough, England. Hydraulic valve and hydraulic power device embodying such valves. 2,462,580, Feb. 22.
- Watson, Cyril D., Farnborough, England. Hydraulic power device having synchronizing means. 2,487,402, Nov. 8.
- Watson, Earl C., Turtle Creek, and A. W. Kimball, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,482,526, Sept. 20.
- Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal code translator. 2,459,904, Jan. 25.
- Watson, Ernest A., assignor to Joseph Lucas, Limited, Birmingham, England. Liquid fuel nozzle. 2,483,951, Oct. 4.
- Watson, Ernest A., and F. T. Shaw, assignors to Joseph Lucas Limited, Birmingham, England. Power transmission mechanism. 2,483,950, Oct. 4.
- Watson, Frederick K., and F. Arthur, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pressure sensitive adhesives. 2,485,248, Oct. 18.
- Watson, Gavin, Ossining, assignor to Otis Elevator Company, New York, N. Y. Dispatching system for elevators. 2,468,317, Apr. 26.
- Watson, Gertrude C., Houston, Tex. Ironer. 2,483,682, Oct. 4.
- Watson, Gilbert L., II, Chestertown, Md. Pivoted inner jaw wrench. 2,470,007, May 10.
- Watson, Glenn W., Detroit, Mich. Electrical vaporization of liquid by above-liquid electrodes. 2,488,787, Nov. 22.
- Watson, Harvey P., and G. W. Rogers, Louisville, Ky. Safety device. 2,470,059, May 10.
- Watson, John E., Westport, Conn., and C. B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Apparatus for separating suspended particles from gases. 2,472,995, June 14.
- Watson, John P., Westminster, London, assignor to Vickers-Armstrongs Limited, London, England. Step-by-step electrical transmission system. 2,478,440, Aug. 9.
- Watson, Kenneth J., North Hollywood, Calif. Vehicle. 2,459,478, Jan. 18.
- Watson, Kenneth J., North Hollywood, Calif. Bottle supporting rack. 2,463,664, Mar. 8.
- Watson, Kenneth M.: *See*—Pelzer, Harry L., and Watson.
- Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Gas-solid contacting apparatus. 2,459,056, Jan. 11.
- Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,463,729, Mar. 8.
- Watson, Orla E., Kansas City, Mo. Pilot or master valve. 2,469,757, May 10.
- Watson, Orla E., Kansas City, Mo. Store basket and carriage. 2,479,530, Aug. 16.
- Watson, Randolph E., assignee: *See*—Charbeneau, Ralph C.
- Watson, Robert P., Schenectady, N. Y., assignor to General Electric Company. Grid structure for electric discharge devices. 2,461,303, Feb. 8.
- Watson, Roger W., assignor to Standard Oil Company, Chicago, Ill. Oxidation resistant organic substances. 2,463,836, Mar. 8.
- Watson, Roger W., Chicago, Ill., and C. M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Stabilization of organic substances. 2,484,257, Oct. 11.
- Watson, Roy A., Canton, Ohio. Chainless bicycle drive. 2,475,654, July 12.
- Watson, Samuel H., Jr., Audubon, N. J., assignor to Radio Corporation of America. Staked fastener. 2,486,769, Nov. 1.
- Watson-Stillman Co., The, assignee: *See*—Dinzl, Richard W.
- Watson, Thomas E., Tewksbury, assignor to Heinze Electric Company, Lowell, Mass. Warp guide. 2,462,581, Feb. 22.
- Watson, Thomas S., Milwaukee, Wis., assignor to Zephyr Laundry Machinery Company, Chicago, Ill. Timer for folding apparatus. 2,458,544, Jan. 11.
- Watson, William, Auburn, Maine, assignor to Bates Manufacturing Company. Electrically conductive fabric. 2,473,183, June 14.
- Watson, William E., West Orange, N. J., and J. W. Glenn, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation. Manufacture of nitric acid. 2,486,083, Oct. 25.
- Watt, Bob E., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control circuit for antenna scan systems. 2,482,143, Sept. 20.
- Watt, Victor T., Windsor, Ontario, Canada. Fishing plug. 2,485,946, Oct. 25.
- Watt, William T., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Hard smooth craze-resistant surface coating. 2,486,235, Oct. 25.
- Watten, Jack, London, England. Enclosed shaft drive. 2,471,015, May 24.

- Watter, Michael, Hartford, Conn., assignor to United Aircraft Manufacturing Corporation. Flexible gun mount for aircraft. 2,474,560, June 28.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Electrode tip construction for welding apparatus. 2,468,647, Apr. 26.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Fatigue-testing machine. 2,469,346, May 3.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Sleeping car arrangement. 2,485,078, Oct. 18.
- Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Electric shunting means for railway running gear. 2,488,785, Nov. 22.
- Watter, Michael, New York, N. Y., and H. W. Doherty, East Hartford, Conn., assignors to United Aircraft Manufacturing Corporation. Flexible gun mount for aircraft. 2,474,561, June 28.
- Wattier, Francis E.: *See*—
Powers, Frank T., and A. J., and Wattier.
- Wattles, George W., Jr., Pittsburgh, Pa. Deicer for windshield wipers. 2,485,025, Oct. 18.
- Watts, Albert E., Montreal, Quebec, Canada. Blast tube for oil burners. 2,480,345, Aug. 30.
- Watts, Chester B., Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Attenuating line for ultra-high frequencies. 2,459,857, Jan. 25.
- Watts, Claude H.: *See*—
Moore, Thomas E., and Watts.
- Watts, Donald E.: *See*—
Hanson, Earl C., and Watts.
Revercomb, Henry E., and Watts.
- Watts, Donald E., Schenectady, N. Y., assignor to General Electric Company. High-intensity pulsing circuits. 2,487,768, Nov. 8.
- Watts, George A.: *See*—
Kerr, Howard J., Fletcher, Watts, and Kooistra.
- Watts, Mahlon B., assignor to Frick Company, Waynesboro, Pa. Defrosting cooling coils. 2,480,346, Aug. 30.
- Watts, Melvin A., Columbus, Ohio. Illuminable tool. 2,466,342, Apr. 5.
- Watts, Raymond, assignor to American Steel Foundries, Chicago, Ill. Shock absorber. 2,471,294, May 24.
- Watts Regulator Company, assignee: *See*—
Horne, Burchard E.
- Watts, Roy W., Calgary, Alberta, Canada. Vibratory bridge for stringed musical instruments. 2,469,091, May 3.
- Watts, Thomas R.: *See*—
Lingal, Harry J., and Watts.
- Watts, Vilas E., Evanston, assignor to Materials Engineering Corporation, Chicago, Ill. Lightweight coated aggregate and making. 2,463,927, Mar. 8.
- Watts, Vilas E., Los Altos, and L. G. Thompson, Oakland, assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Bituminous emulsion. 2,481,374, Sept. 6.
- Watts, William S., Detroit, Mich., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,478,143, Aug. 2.
- Watts, William S., Dearborn, and C. S. Davidson, assignors to Evans Products Company, Detroit, Mich. Combined road and rail vehicle. 2,478,647, Aug. 9.
- Wauda, George E.: *See*—
Broeren, Frank L., Wauda, and Kuehl.
- Waugh Equipment Company, assignee: *See*—
Munro, George R., and Dilg.
Pelikan, George, and Munro.
Strong, Elbie C.
- Waugh, George E., Holdrege, Nebr. Shoe form. 2,466,139, Apr. 5.
- Waugh, Harvey C., Drexel Hill, assignor to American Water Softener Co., Philadelphia, Pa. Deaerating heating system. 2,478,144, Aug. 2.
- Waugh, Stanley P., Westfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Mineral oil compositions. 2,470,537, May 17.
- Waukesha Foundry Company, assignee: *See*—
Thomas, Ralph W.
- Waukesha Motor Company, assignee: *See*—
Melcher, Lee W.
- Wax, Nelson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,466,922, Apr. 12.
- Way, Donald F., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of miniature lamps. 2,491,237, Dec. 13.
- Wayman, Morris: *See*—
Rapson, William H., and Wayman.
- Wayne, Ernest L., Victoria, Tex. Memorandum paper holder. 2,471,504, May 31.
- Wayne Pump Company, The, assignee: *See*—
Dahlem, J., and Gordon.
Hinds, Sherwood.
- Wayne, Truman B., Houston, Tex. Treatment of drilling fluids. 2,477,157, July 26.
- Wayne, Winston J.: *See*—
Rothrock, Henry S., and Wayne.
- Wayo, Stephen J., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Alpha, alpha'-trithiocarbono-dialiphatic acids. 2,476,165, July 12.
- Wayo, Stephen J., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Turbine oil. 2,477,356, July 26.
- Wayrynen, Carl B., Denver, Colo. Tool for removing locking keys from brake anchor bolts. 2,478,881, Aug. 9.
- Wayworth, Walter G., Hartford, Conn. Protecting strip for trouser cuffs. 2,483,952, Oct. 4.
- Wean Engineering Company, Inc., The, assignee: *See*—
Jones, Walter O.
- Weatherford, Heiskell, Jr., assignee: *See*—
Cooper, James H.
- Weatherhead, Albert J., Jr., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Tube nut. 2,466,521, Apr. 5.
- Weatherhead, Alson L.: *See*—
Scrieber, Edward J., and Weatherhead.
- Weatherhead Company, The, assignee: *See*—
Allin, Frederick R., and Wyss.
Balogh, Roy O.
Balogh, Roy O., and Hufferd.
Courtrot, Louis B.
Crawley, Charles H.
Herold, Robert E.
Hufferd, George H.
Hufferd, George H., and Paquin.
Knaggs, Harold J.
Lindgren, George O. R.
Mentel, Raymond A.
Paquin, Joseph N.
Paquin, Joseph N., and Bock.
Phillips, Robert W.
Raybould, Frange J.
Rood, Alvin A.
Stecher, Henry D., and Jackman.
Weatherhead, Albert J., Jr.
Weatherhead, John P.
- Weatherhead, John P., assignor to The Weatherhead Company, Cleveland, Ohio. Coupling. 2,463,336, Mar. 1.
- Weatherly, Morgan G., Mount Upton, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,461,098, Feb. 8.
- Weathers, Leland C., assignor to Vickers Incorporated, Detroit, Mich. Alternating current machine. 2,490,181, Dec. 6.
- Weathers, Paul, Haddon Heights, N. J., assignor to H. K. Neuber, Philadelphia, Pa. Compensated, controlled-feedback, amplitude modulated oscillator. 2,469,803, May 10.
- Weather-Seal, Inc., assignee: *See*—
Verhoff, Anthony H.
- Weaver, Carl J.: *See*—
Bennett, Frank M., and Weaver.
- Weaver, Clay: *See*—
McQueen, David M., and Weaver.
- Weaver, Dorothy E., Baltimore, Md. Applicator for ink eradicators. 2,481,803, Sept. 13.
- Weaver, Elverson W., assignor to Towmotor Corporation, Cleveland, Ohio. Mast construction for lift trucks. 2,480,066, Aug. 23.
- Weaver Engineering Co., assignee: *See*—
Weaver, Ira A.
Weaver, Ira A., and Phelps.
- Weaver, Galen K., assignor to The McCaskey Register Company, Alliance, Ohio. Bill compartment. 2,469,485, May 10.
- Weaver, Harry D., assignor to Hamilton Watch Company, Lancaster, Pa. Cap-securing means. 2,470,226, May 17.
- Weaver, Harry E.: *See*—
Birchler, Charles F., and Weaver.
- Weaver, Holla E., Maywood, Ill. Neutralizing system and method. 2,466,629, Apr. 5.
- Weaver, Ira A., Springfield, Ill., assignor to Weaver Engineering Co. Fluid actuated load lifting and lowering mechanism. 2,471,989, May 31.
- Weaver, Ira A., and C. H. Phelps, Springfield, Ill., assignors, by mesne assignments, to Weaver Engineering Co. Balance testing appliance. 2,486,896, Nov. 1.
- Weaver, Ira A., and C. H. Phelps, Springfield, Ill., assignors, by mesne assignments, to Weaver Engineering Co. Balance testing appliance. 2,487,035, Nov. 1.
- Weaver, John R., Denver, Colo. Mechanical movement. 2,475,117, July 5.
- Weaver, Leslie E., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Apparatus for testing cables. 2,477,023, July 26.
- Weaver Manufacturing Company, assignee: *See*—
Ross, William A.
- Weaver, Ralph H., Fayetteville, Ark. Artificial limb. 2,465,771, Mar. 29.
- Weaver, Richard E., Ronks, Pa. Hinge. 2,469,804, May 10.
- Weaver, Samuel H., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Fastening device for pump impellers. 2,482,229, Sept. 20.
- Weaver, Thomas E., Chicago, Ill. Eyeglass case with sight openings. 2,461,792, Feb. 15.
- Weaver, Thomas J., Cream, Utah. Pivotally adjustable spray nozzle deflector. 2,480,989, Sept. 6.

- Weaver, Welcome I., Huntington, Ind., and L. M. Hobbs, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. N-substituted aromatic sulfonamide polymers. 2,482,389, Sept. 20.
- Weaver, William A., Coventry, England. Priming device for starting engines. 2,485,423, Oct. 18.
- Weaver, William H.: *See*—
- Ashley, Donald S., and Weaver.
- Weaver, Wrex A.: *See*—
- Welch, Charles H.
- Weaving, John H., Moseley, Birmingham, and F. W. Highfield, Wollaston, Malvern Wells, assignors to The Austin Motor Company Limited, Birmingham, England. Means for use in timing the ignition in internal-combustion engines. 2,492,247, Dec. 27.
- Webb, Charles V.: *See*—
- Webb, Richard and C. V.
- Webb, Clarence D., St. Clair Shores, Mich., assignor to Carboly Company, Inc. Brazing cemented carbides to steel. 2,474,643, June 28.
- Webb, Edmond F., Franklin Village, assignor to Chrysler Corporation, Highland Park, Mich. Switch and circuit breaker. 2,475,300, July 5.
- Webb, Edmond F., Franklin Village, assignor to Chrysler Corporation, Highland Park, Mich. Spirally wound storage cell. 2,487,499, Nov. 8.
- Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Ash handling system. 2,481,375, Sept. 6.
- Webb, Gene J.: *See*—
- Katzenmeyer, Edwin, and Webb.
- Webb, George, Hartford, Conn., assignor to Colt's Manufacturing Company. Cartridge feeding means for automatic firearms. 2,467,571, Apr. 19.
- Webb, George, Hartford, Conn., and W. L. Swartz, Miami, Fla., assignors to Colt's Manufacturing Company. Breech mechanism for automatic firearms. 2,487,621, Nov. 8.
- Webb, George A.: *See*—
- Corson, Ben B., and Webb.
- Webb, George L., assignor to R-B-M Manufacturing Company, Logansport, Ind. Cutout relay system. 2,469,092, May 3.
- Webb, George W., Revere, assignor to Isthmian Metals, Inc., Boston, Mass. Powder metallurgy process for producing steel parts. 2,489,838, Nov. 29.
- Webb, Glenn M., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,463,078, Mar. 1.
- Webb, Glenn M., and M. A. Smith, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,463,072, Mar. 1.
- Webb, Glenn M., Western Spring, and R. W. Moehl, Brookfield, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon cracking catalyst and process. 2,484,258, Oct. 11.
- Webb, Herbert J.: *See*—
- Baker, Benjamin P., and Webb.
- Ludwig, Leon R., Webb, and Baker.
- Webb, Josephine R. and H. J.
- Webb, Irving D., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of hexadiene dinitrile and product. 2,485,225, Oct. 18.
- Webb, Irving D., and G. E. Tabet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of nitriles. 2,477,672, Aug. 2.
- Webb, Irving F., Westfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Power-table sewing machine. 2,477,433, July 26.
- Webb, Jervis B., Bloomfield Hills, assignor, by mesne assignments, to Jervis B. Webb Company, Detroit, Mich. Conveyor chain. 2,487,500, Nov. 8.
- Webb, Jervis B., Bloomfield Hills, and A. G. Rose, assignors to Jervis B. Webb Company, Detroit, Mich. Four-wheel trolley bracket. 2,470,060, May 10.
- Webb, Jervis B., Company, assignee: *See*—
- Rose, Andrew G.
- Webb, Jervis B.
- Webb, Jervis B., and Rose.
- Webb, John K., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Treatment of cable insulated with thermoplastic material. 2,462,149, Feb. 22.
- Webb, John S.: *See*—
- Northey, Elmore H., and Webb.
- Webb, Josephine R. and H. J., Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,795, Feb. 22.
- Webb, Myron O. and P. E., Arkansas City, Kans. Mowing machine. 2,476,394, July 19.
- Webb, Paul E.: *See*—
- Webb, Myron O. and P. E.
- Webb, Paul S., and J. R. Koster, Boulder City, Nev. Silicone surfaced cooking implement. 2,462,242, Feb. 22.
- Webb, Paul S., and J. R. Koster, Boulder City, Nev., assignors to Processed Surfaces, Inc., New York, N. Y. Hardened silicone surfaced cooking implement. 2,470,593, May 17.
- Webb, Richard and C. V., Los Angeles, Calif. Shoe fastener. 2,459,348, Jan. 18.
- Webb, Richard C., West Lafayette, Ind., assignor to Radio Corporation of America, New York, N. Y. Oscillator. 2,463,073, Mar. 1.
- Webb, Robert L., Imperial, Pa. Open-end metal bending brake. 2,478,854, Aug. 9.
- Webb, Robert O., Petersburg, Va. Pinless adjustable diaper. 2,477,914, Aug. 2.
- Webb, Robert R., assignor to Charles R. Hadley Company, Los Angeles, Calif. Accounting tray. 2,463,131, Mar. 1.
- Webb, Wells A., San Jose, Calif. Preparation of dehydrated food products. 2,473,184, June 14.
- Webb, Wesley L., G. Moore, and H. D. Merion, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for spinning artificial fibers. 2,465,408, Mar. 29.
- Webb, William D. L.: *See*—
- Saele, George H., and Webb.
- Webber, Frederick G.: *See*—
- Cohen, Monte, and Webber.
- Webber, Harry R., Norwood, Pa. Spark plug. 2,473,317, June 14.
- Webber, Hugh E., Hempstead, N. Y., assignor to The Sperry Corporation. High-frequency resistor. 2,468,793, May 3.
- Webber, Hugh E., Huntington, N. Y., assignor to The Sperry Corporation. Tuned microwave wattmeter. Re. 23,131, June 28.
- Webber, Hugh E., Williston Park, N. Y., assignor to The Sperry Corporation. Thermometric wattmeter. 2,464,277, Mar. 15.
- Webber, Hugh E., Williston Park, N. Y., assignor to The Sperry Corporation. Microwave wattmeter. 2,473,495, June 14.
- Webber, Hugh E., Williston Park, N. Y., assignor to The Sperry Corporation. Tilt detector and control for gyroscopes. 2,478,956, Aug. 16.
- Webber, Joseph T., Galesburg, Mich., assignor to Editors and Engineers Limited, Los Angeles, Calif. Position indicating system. 2,479,531, Aug. 16.
- Webber, Karl K., Flora, Ill. Heat indicating journal box closure. 2,482,390, Sept. 20.
- Weber, Albert, Edgewood, R. I. Lock for slide fastener sliders. 2,463,074, Mar. 1.
- Weber, Alois L., Montrose, and K. A. Weber, Brentwood Heights, assignors to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Refrigerated showcase. 2,486,724, Nov. 1.
- Weber, Carl: *See*—
- Gallagher, William P., Weber, and Sutor.
- Weber Dental Manufacturing Company, assignee: *See*—
- Barnes, Jean C., and Penniman.
- Monnot, Edward L.
- Weber Dental Manufacturing Company, The, assignee: *See*—
- Monnot, Edward L.
- Weber, Frank E., Yorkville, Ill. Cutting or punching instrument. 2,480,797, Aug. 30.
- Weber, Harrison, Bellport, N. Y. Jetty. 2,466,343, Apr. 5.
- Weber, Henry, Cleveland, assignor of one-fourth to H. A. Hildebrand, Brunswick, Ohio. Drapery crane. 2,461,457, Feb. 8.
- Weber, Henry J., Franklinville, and D. F. Bennett, Hadonfield, assignors to Warren Webster & Company, Camden, N. J. Radiator enclosure. 2,487,287, Nov. 8.
- Weber, John A.: *See*—
- Flora, James M., and Weber.
- Weber, John A., assignor to J. T. Anderson, Portland, Oreg. Log turner. 2,484,362, Oct. 11.
- Weber, Jonah C., Lamar, Colo. Hay stacker. 2,471,364, May 24.
- Weber, Karl A.: *See*—
- Weber, Alois L., and Karl A.
- Weber, Karl H., assignor to Armstrong Cork Company, Lancaster, Pa. Rubberlike copolymers of allyl esters. 2,476,341, July 19.
- Weber, Karl H., Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa. Polymerizing a conjugated diene in the presence of a regulator comprising selected amides of mercaptyl undecanoic acids. 2,485,682, Oct. 25.
- Weber, Louis, Jacksonville, Fla., assignor to The Glenn L. Martin Company, Middle River, Md. Undercutting tool. 2,461,947, Feb. 15.
- Weber, Marcie F., Harvey, Ill. Refrigerated food storage unit apparatus. 2,478,145, Aug. 2.
- Weber, Martin K., Berkeley, and C. R. Nelson, San Carlos, assignors to Shell Development Company, San Francisco, Calif. Inhibiting acid attack on brick. 2,472,635, June 7.
- Weber, Max, Chicago, Ill. Air circulator. 2,463,337, Mar. 1.
- Weber Showcase & Fixture Co., Inc., assignee: *See*—
- Weber, Alois L. and K. A.
- Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box lid structure. 2,459,905, Jan. 25.
- Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box lid structure. 2,486,694, Nov. 1.
- Weber, Tobias, Los Angeles, Calif. Fifth wheel structure. 2,468,419, Apr. 26.

- Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Motor control system with latching relays. 2,459,349, Jan. 18.
- Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Automatic reversing control for electric motors. 2,459,350, Jan. 18.
- Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Automatic reversing control for electric motors. 2,459,906, Jan. 25.
- Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Control device. 2,466,522, Apr. 5.
- Weber, Victor, and W. S. Kunzler, Greensburg, Pa., assignors to Robertshaw-Fulton Controls Company. Snap action control device. 2,476,230, July 12.
- Weber, Victor, and W. S. Kunzler, Greensburg, Pa., assignors to Robertshaw-Fulton Controls Company. Condition responsive switching device. 2,488,459, Nov. 15.
- Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 2,478,613, Aug. 9.
- Webster, Benjamin C., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder for double-ended discharge lamps. 2,473,925, June 21.
- Webster-Chicago Corporation, assignee: See—Dale, Colin B.
- Webster, David A., San Diego, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fastener unit. 2,482,391, Sept. 20.
- Webster, Duane E., assignor to Norton Company, Worcester, Mass. Making abrasive teeth. 2,488,151, Nov. 15.
- Webster Electric Company, assignee: See—Jensen, Clarence F.
McAlvay, John C.
Munroe, David J.
Munroe, David J., and McAlvay.
- Webster, Francis D., Wateska, Ill. Valve stem puller. 2,486,084, Oct. 25.
- Webster, George C., U. S. Navy. Adjustable speed gearing mechanism. 2,477,024, July 26.
- Webster, Hugh G., Detroit, Mich., assignor to J. H. Shoemaker. Making composite metal articles. 2,458,660, Jan. 11.
- Webster, Hugh G., Detroit, Mich. Preserving the effectiveness of a metal cleaning bath. 2,458,662, Jan. 11.
- Webster, Hugh G., assignor to J. H. Shoemaker, Detroit, Mich. Molten salt baths. 2,458,663, Jan. 11.
- Webster, Hugh G., assignor to J. H. Shoemaker, Detroit, Mich. Electrolytic cleaning of metal. 2,468,006, Apr. 19.
- Webster, Hugh G., and C. L. Falter, assignors to J. H. Shoemaker, Detroit, Mich. Cleaning metal surfaces and compositions therefor. 2,458,661, Jan. 11.
- Webster Industries, Inc., assignee: See—Henne, Julius A.
- Webster Manufacturing, Inc., assignee: See—Ehinger, William E.
- Webster, Norman D., assignor to McClatchy Broadcasting Company, Sacramento, Calif. Negative feedback amplifying circuit. 2,488,357, Nov. 15.
- Webster, Ralph E.: See—Wortman, Randolph M., and Webster.
- Webster, Richard R.: See—Work, Harold K., and Webster.
- Webster, Richard W.: See—Myers, Latimer D., and Webster.
- Webster, Robert A.: See—Woolsey, Theodore A., and Webster.
- Webster, Robert A., Santa Monica, Calif. Trimming board. 2,460,205, Jan. 25.
- Webster, Robert A., Santa Monica, and H. D. Houghton, Los Angeles, assignors to Marman Products Company, Inc., Inglewood, Calif. Band clamp. 2,466,755, Apr. 12.
- Webster, Warren, & Company, assignee: See—Morgan, David E.
Plum, Leroy H.
Weber, Henry J., and Bennett.
- Wechsler, Samuel, Brooklyn, N. Y. Display card folder and sample kit. 2,463,338, Mar. 1.
- Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scales. 2,475,684, July 12.
- Wedgworth, John K., York, Ala. Rail fastening means for wood ties. 2,462,582, Feb. 22.
- Wedler, Frederick C.: See—Kennedy, Edgar S., and Wedler.
- Weeden, Doris I., Asbury Park, N. J. Icing comminutor and extruder. 2,485,226, Oct. 18.
- Weeks, Norman E., Indianapolis, Ind., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Apparatus for adhesively uniting sheet materials. 2,489,210, Nov. 22.
- Weeks, Norman O., Inglewood, Calif. Valve gauge. 2,474,294, June 28.
- Weeks, Robert W., assignee: See—Veldhuis, Albert C.
- Weeks, Wesley D., Phillips, Tex. Cooling system for car wheel axles. 2,458,231, Jan. 4.
- Weeldenburg, Johannes G., Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Bonding cellulose materials to rubber and composite products formed therefrom. 2,458,886, Jan. 11.
- Weeldenburg, Johannes G., Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Aftertreatment of viscose rayon. 2,468,530, Apr. 26.
- Weeldenburg, Johannes G., Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Treating casein products. 2,468,531, Apr. 26.
- Weesner, Carl W., Youngstown, P. M. Connor, Poland, and R. P. Hill, Youngstown, Ohio, assignors to Sharon Steel Corporation, Sharon, Pa. Manufacture of stainless clad steel. 2,464,163, Mar. 8.
- Weesner, Max, assignor to The Weezel Bait Company, Cincinnati, Ohio. Line measuring and reeling device. 2,460,723, Feb. 1.
- Weezel Bait Company, The, assignee: See—Weesner, Max.
- Wege, John P., assignor to Brown & Bigelow, St. Paul, Minn. Concealable memo-pad wallet. 2,475,067, July 5.
- Wege, John P., assignor to Brown & Bigelow, St. Paul, Minn. Stitchless billfold. 2,484,135, Oct. 11.
- Wegele, John F., Paterson, N. J. Cash drawer lock and alarm. 2,484,597, Oct. 11.
- Wegman, Jules G., assignor to Bastian Brothers Company, Rochester, N. Y. Pin-forming and button-pinning machine. 2,473,116, June 14.
- Wegner, Henry A., Twitty, Tex. Sorghum harvesting machine. 2,489,551, Nov. 29.
- Wegner, Julius, Flushing, N. Y. Feed control for gang saws. 2,478,957, Aug. 16.
- Wehmer, Bruno F., Melrose Park, assignor to The Wm. Meyer Company, Chicago, Ill. X-ray unit. 2,457,961, Jan. 4.
- Wehmiller, Frederick W.: See—Herold, James L., Nekola, and Wehmiller.
- Wehming, Henry, assignee: See—Gullong, Jacob.
- Wehn, Charles E., Alameda, Calif. Mechanical pencil. 2,460,323, Feb. 1.
- Wehn, Charles E., Alameda, Calif. Cluster cutter. 2,487,911, Nov. 15.
- Wehner, Ernest A., assignee: See—Wehner, William W.
- Wehner, Robert S.: See—Streib, Albrecht, Thorne, and Wehner.
- Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmission line system. 2,462,443, Feb. 22.
- Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Broad-band antenna system. 2,485,177, Oct. 18.
- Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Three-phase slot antenna system. 2,487,622, Nov. 8.
- Wehner, William W., assignor of twenty-five per cent to E. A. Wehner, Arlington, N. J. Gear-operated wrench with spiral drive. 2,481,633, Sept. 13.
- Wehr, Guy, Steubenville, Ohio, assignor to William M. Bailey Company, Pittsburgh, Pa. Blast furnace wall structure. 2,486,348, Oct. 25.
- Wehr, William G., North Madison, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane cab. 2,471,295, May 24.
- Wehrli, Walter, assignor to Sandoz Limited, Basel, Switzerland. Metallized tetrakisazo dyes. 2,472,965, June 14.
- Wehrli, Walter, and F. Kehrler, Basel, assignors to Sandoz Ltd., Fribourg, Switzerland. Trisazo dyes. 2,471,664, May 31.
- Welby, Alfred C., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Milk pail cover. 2,460,049, Jan. 25.
- Welby, Alfred C., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Teat cup. 2,462,583, Feb. 22.
- Welby, Alfred C., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Milking apparatus. 2,467,512, Apr. 19.
- Welchard, Heinz H., New York, N. Y., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Direct-current amplifier and circuit. 2,466,065, Apr. 5.
- Weick, Fred E., College Park, assignor to Engineering and Research Corporation, Riverdale, Md. Airplane control system. 2,478,033, Aug. 2.
- Weidenhoff, Joseph, Inc., assignee: See—Mansfield, Ralph.
- Weidner, August: See—Eisler, Victor H., and Weidner.
- Weidner, Charles L., New Brunswick, and L. W. Eger, Perth Amboy, N. J., assignors to Industrial Tape Corporation. Adhesive tape for laminating. 2,474,292, June 28.
- Weightman, Herbert G.: See—Reifel, Harry, and Weightman.
- Weightman, Herbert G., Scituate, assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Resonant magnetic switch assembly. 2,471,594, May 31.
- Weightman, William A., assignor to The Budd Company, Philadelphia, Pa. Assembly device, especially welder. 2,466,668, Apr. 12.
- Weighton, Donald, assignor to Pye Limited, Cambridge, England. Phase or frequency modulation. 2,473,318, June 14.
- Weijlard, John, Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing veratraldehyde from oplanic acid. 2,477,158, July 26.

- Weijland, John, Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Decarboxylation of 2-hydroxy-3-carboxyl pyrazine. 2,479,442, Aug. 16.
- Weijland, John, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Production of 2-amino-3-carboxy quinoxaline. 2,479,443, Aug. 16.
- Weil, Conrad, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulation. 2,482,527, Sept. 20.
- Weil, Lepold: *See*—
Woodward, Charles F., Howard, Keil, and Weil.
Woodward, Charles F., and Weil.
- Weil, Rose S., New York, N. Y. Brassière. 2,488,105, Nov. 15.
- Weil, Theodore E.: *See*—
Oswald, Joseph H., and Weil.
- Weiland, John N., assignor to The Cleveland Punch & Shear Works Co., Cleveland, Ohio. Fluid actuated clutch and brake mechanism. 2,458,664, Jan. 11.
- Weilbaecher, Chester O., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamolectric machine with laminated interpole flux path. 2,475,535, July 5.
- Weilbaecher, Chester O., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Brush holder providing resilient application of the brush against the brush holder wall. 2,488,788, Nov. 22.
- Weilein, Paul, assignee, trustee: *See*—
Ruddock, William.
- Weiler, Joseph F., Lewiston, N. Y., assignor to Mathieson Chemical Corporation. Production of vinyl chloride. Re. 23,128, June 21.
- Weiler, Peter B.: *See*—
Lewis, Albert M., and Weiler.
- Weiman Company, The, assignee: *See*—
Allington, George H.
- Weimann, George M.: *See*—
Bratton, Francis H., and Weimann.
- Weimann, Henry: *See*—
Peremi, Edmund, and Weimann.
- Wein, John F., Indianapolis, Ind., assignor to Radio Corporation of America. Spring mounted brake. 2,471,052, May 24.
- Weinberg, Samuel A., Wollaston, Mass. Cake and pie knife. 2,471,466, May 31.
- Weinberger, Jan V., Truro, Nova Scotia, Canada. Double condenser high draft mechanism for roving and spinning frames. 2,472,929, June 14.
- Weinord, Maurice, Chicago, Ill. Illuminated test device. 2,459,351, Jan. 18.
- Weiner, Samuel, and S. Goldblatt, New York, N. Y. Adjustable mounting for baby carriage tops. 2,483,953, Oct. 4.
- Weingardt, George C., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric space heater. 2,492,248, Dec. 27.
- Weinhold, Raymond D.: *See*—
Zarem, Abe M., and Weinhold.
- Weinig, Arthur J., Golden, Colo., assignor to Vanadium Corporation of America, New York, N. Y. Concentrating vanadium ores by attrition followed by froth flotation. 2,464,313, Mar. 15.
- Weinig, Arthur J., Golden, Colo. Selective flotation of chromite ores. 2,469,422, May 10.
- Weinig, Friedrich S., Stuttgart-Moehringen, Germany. Shroud line load suspension system for ribbon parachutes. 2,465,409, Mar. 29.
- Weinkauf, Henry P., Arcadia, Calif. Collapsible stand. 2,485,178, Oct. 18.
- Weinke, August F., Leon; E. A. Weinke, administrator of said A. F. Weinke, deceased, assignor of one-third to L. Weinke, two-ninths to E. M. Clarke, and two-ninths to P. L. Harris, La Crosse, and two-ninths to E. A. Weinke, Fon du Lac, Wis. Latch. 2,468,353, Apr. 26.
- Weinke, Ervin A., administrator: *See*—
Weinke, A. F.
- Weinke, Louise, assignee: *See*—
Weinke, August F.
- Weinland, Clarence E., assignor to General Tire and Rubber Company of California, Pasadena, Calif. Split-phase motor reversing circuit. 2,459,479, Jan. 18.
- Weinmayr, Viktor: *See*—
Hunt, Madison, Weinmayr, and Sartori.
Hunt, Madison, Weinmayr, and Willett, Jr.
Lee, Henry R., and Weinmayr.
- Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiophene-2-carboxylic acid. 2,462,697, Feb. 22.
- Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkyl substituted aromatic sulfonates. 2,467,170, Apr. 12.
- Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiophanthraquinone derivatives. 2,472,133, June 7.
- Weinrich, Arthur R.: *See*—
Colbert, William H., Weinrich, and Morgan.
- Weinrich, Arthur R., Brackenridge, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Use of boron oxide in producing quartz coatings in a vacuum. 2,463,837, Mar. 8.
- Weinrich, William W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,491,786, Dec. 20.
- Weins, George A., assignee: *See*—
Cumming, Reginald I.
- Weir, Horace M., Wynnewood, Pa., assignor to The Davison Chemical Corporation, Baltimore, Md. Process and apparatus for manufacturing gels. 2,485,249, Oct. 18.
- Weir, Hugo, Flushing, N. Y. Teltale signal for counter displays. 2,467,873, Apr. 19.
- Weis, Albert H., deceased, by B. Weis, executrix, South Nyack, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,461,862, Feb. 15.
- Weis, Anthony H., and B. M. Weis, Oakland, Calif. Instruction device. 2,468,580, Apr. 26.
- Weis, Arthur, Chicago, Ill. Garment clasp. 2,470,122, May 17.
- Weis, Barbara, executrix: *See*—
Weis, Albert H.
- Weis, Bertha M.: *See*—
Weis, Anthony H., and B. M.
- Weis, Paul B., Aurora, Ill. Clothesline carrier. 2,480,798, Aug. 30.
- Weis, William C., assignor to Taylor Instrument Companies, Rochester, N. Y. Seal for filler tubes. 2,474,503, June 28.
- Weisbaum, Jack, Cincinnati, Ohio. Dispenser with screw actuated follower. 2,485,467, Oct. 18.
- Weisbecker, Frank G., Glenside, Pa. Knitting machine attachment. 2,460,050, Jan. 25.
- Weisbecker, Frank G., Glenside, Pa. Take-up device for knitting machines. 2,474,962, July 5.
- Weisberg, Mark, Providence, A. S. Stevenson, Pawtucket, and L. Beer, Providence, assignors to Alrore Chemical Company, Cranston, R. I. Reducing the crease and wrinkling tendencies of cellulosic textile fabrics. 2,484,598, Oct. 11.
- Weisberg, Mark, Providence, A. S. Stevenson, Pawtucket, and L. Beer, Providence, assignors to Alrore Chemical Company, Cranston, R. I. Reducing the shrinkage and felting tendencies of protein textile materials. 2,484,599, Oct. 11.
- Weisberg, Samuel M., and E. G. Stimpson, Baltimore, Md., and A. L. Miller, State College, Pa., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Preparation of alkyl lactates. 2,465,772, Mar. 29.
- Weisberg, Samuel M., and J. Greenspan, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Production of devitaminized casein by solvent extraction. 2,477,503, July 26.
- Weisberg, Sidney M., Newark, assignor to Allied Electric Products, Inc., Irvington, N. J. Fluorescent lamp fixture. 2,486,695, Nov. 1.
- Welse, Carl A., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Quick detachable coupling. 2,473,459, June 14.
- Weisenburg, Andrew, Overbrook Hills, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Machine for applying spots to bottle caps. 2,471,255, May 24.
- Weiser Company, assignee: *See*—
Russell, Fred J., and Solovieff.
- Weiser, George L., Middletown, and D. E. Key, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for covering electrical coils. 2,484,600, Oct. 11.
- Weisgerber, William C., Chicago, Ill. Toy. 2,467,102, Apr. 12.
- Weisglass, Louis L.: *See*—
Simmon, Alfred, and Weisglass.
- Weisglass, Louis L., assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Metering circuit for X-ray machines. 2,482,604, Sept. 20.
- Weisglass, Louis L., New York, assignor, by mesne assignments, to Simmon Brothers, Inc., Long Island City, N. Y. Illuminating system for photographic enlargers. 2,480,101, Aug. 30.
- Weisglass, Louis L., New York, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Cam generating machine. 2,480,102, Aug. 30.
- Weiskopf, Edwin C., New York, N. Y. Projecting microscope and viewing device. 2,477,396, July 26.
- Weisler, Leonard: *See*—
Baxter, James G., Stern, and Weisler.
Hickman, Kenneth C. D., and Weisler.
- Weisler, Leonard, assignor to Distillation Products, Inc., Rochester, N. Y. Conversion of beta-, gamma-, and delta-tocopherol to alpha-tocopherol. 2,486,539, Nov. 1.
- Weisler, Leonard, and A. J. Chechak, assignors to Distillation Products, Inc., Rochester, N. Y. Simultaneous haloalkylation and reduction of organic compounds. 2,486,542, Nov. 1.
- Weisman, Charles, U. S. Navy. Synchronomotor driven indicating instrument. 2,477,673, Aug. 2.
- Weisman, Howard A.: *See*—
Hahn, Harry W., and Weisman.
- Weisner, Charles E., Durham, and G. W. Lloyd, Hillsboro, N. C. Cigarette cutting machine. 2,464,108, Mar. 8.

- Weiss, Albert, Zurich, assignor to Machine Tool Works Oerlikon Administration Company, Zurich-Oerlikon, Switzerland. Ejector for firearms. 2,460,862, Feb. 8.
- Weiss, Dewey S., Portland, Oreg. Coupler hook. 2,491,143, Dec. 13.
- Weiss, Ernst: *See*—
Heberlein, Georges and Georg, Weiss, Odinga, and Risch.
- Weiss, Ernst, Bunt, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Rendering cellulosic textile material transparent and products therefrom. 2,466,066, Apr. 5.
- Weiss, Eric E., White Plains, N. Y., assignor to United Merchants & Manufacturers Inc., Wilmington, Del. Textile materials and making same. 2,483,861, Oct. 4.
- Weiss, Erwin A., assignor to Packard Motor Car Company, Detroit, Mich. Fluid coupling with unitary die cast vane structure. 2,473,185, June 14.
- Weiss, Felix, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation. Making capacitors. 2,464,627, Mar. 15.
- Weiss, Felix, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Machine for winding capacitors. 2,466,977, Apr. 12.
- Weiss, Francis P., Gary, Ind. Direct current apparatus. 2,472,134, June 7.
- Weiss, George, Des Plaines, assignor to one-half to J. B. Lindecker, Skokie, Ill. Combined bait holder and fish-hook. 2,476,126, July 12.
- Weiss, Gerhart, Sunnyside, N. Y. Pressure reducing valve. 2,483,954, Oct. 4.
- Weiss, Herbert K., Camp Davis, N. C. Fire control. 2,460,863, Feb. 8.
- Weiss, Herbert K., Fort Bliss, Tex., assignor to the United States of America as represented by the Secretary of War. Gun sight. 2,476,342, July 19.
- Weiss, Hugo, London, England. Airtight lid for containers. 2,462,445, Feb. 22.
- Weiss, Irving F., assignor to The Warner & Swasey Company, Cleveland, Ohio. Electric motor braking control. 2,482,954, Sept. 27.
- Weiss, Jerome S., assignee: *See*—
Jacobs, Louis.
- Weiss, John M., New York, N. Y. Production of maleic anhydride from maleic acid. 2,462,444, Feb. 22.
- Weiss, Murray M., New York, N. Y. Suspensory and health belt. 2,463,730, Mar. 8.
- Weiss, Ralph E., Cheektowaga, N. Y. Device for beating time in teaching music. 2,471,990, May 31.
- Weiss, Robert H.: *See*—
Conn, Robert C., and Weiss.
- Weiss, Saul: *See*—
Summerbell, William, and Weiss.
- Weiss, Saul, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Breech-loading mortar with obturator case. 2,473,555, June 21.
- Weiss, Saul, Washington, D. C., and E. C. Roberts, Arlington, Va. Obturating firing pin. 2,480,100, Aug. 23.
- Weiss, Saul, Washington, D. C. Fastener. 2,487,084, Nov. 8.
- Weiss, Shirley I., New York, N. Y. Magnetic sound recorder utilizing varying cathode currents. 2,485,539, Oct. 18.
- Weiss, William A., assignee: *See*—
Kiss, Aya M.
- Weissberger, Arnold: *See*—
Vittum, Paul W., and Weissberger.
- Weissberger, Arnold, I. F. Salminen, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. 1-naphthol-1-2-carboxylic acid amide couplers for color photography. 2,474,293, June 28.
- Weissberger, Arnold, and I. F. Salminen, assignors to Eastman Kodak Company, Rochester, N. Y. Making color couplers. 2,484,477, Oct. 11.
- Weissbrodt, Jean: *See*—
Broido, Jacques J., and Weissbrodt.
- Weisselberg, Arnold, Leonia, N. J. Electrical gauging device. 2,487,681, Nov. 8.
- Weisselberg, Arnold, assignor, by mesne assignments, to The Leaf Manufacturing Corporation, New York, N. Y. Producing artificial flower leaves. 2,467,572, Apr. 19.
- Weissman, David, New York, N. Y. Sanitary trap for bathtubs. 2,472,322, June 7.
- Weissman, Eugene, Baltimore, Md. Apparatus for preparing coffee substitutes. 2,472,636, June 7.
- Weisz, Daniel L., Zellenople, assignor to Beaver Art Metal Corporation, Ellwood City, Pa. Knockdown scaffold. 2,483,862, Oct. 4.
- Weisz, Dave, New York, N. Y. Separable airplane for safe flying. 2,479,655, Aug. 23.
- Weisz, Paul R., Swarthmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Viscosimeter. 2,485,424, Oct. 18.
- Weith, George S., Caldwell, N. J., assignor to Bakelite Corporation. Copolymerization products of styrene and adduct modified glycol-maleate resins. 2,475,731, July 12.
- Weltkamp, Alfred W.: *See*—
Swenson, Reuben A., and Weltkamp.
- Weltkamp, Alfred W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,463,823, Mar. 8.
- Weitlauf, Stephen A.: *See*—
Cobb, Carroll F., De Windt, and Weitlauf.
- Weitzen, William, Dayton, Ohio. Rotary selector valve. 2,477,025, July 26.
- Weitzen, William, Dayton, Ohio. Oil tank adapted for oil dilution and deaeration. 2,483,448, Oct. 4.
- Weizmann, Charles, assignor to Polymersable Products Limited, London, England. Manufacture of condensation products. 2,472,135, June 7.
- Weizmann, Charles, assignor to Polymerisable Products Limited, London, England. Carrying out condensation reactions. 2,474,175, June 21.
- Weizmann, Charles, assignor to Polymerisable Products Limited, London, England. Alkoxy isobutyric acid derivatives. 2,490,109, Dec. 6.
- Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Optical lens unit with image reversing means. 2,470,277, May 17.
- Welby, Henry R., assignor to Detroit Lubricator Company, Detroit, Mich. Pump priming means. 2,481,183, Sept. 6.
- Welch, Alanson U., Jr., Pittsfield, Mass., assignor to General Electric Company. Arc welding. 2,472,323, June 7.
- Welch, Albert E., Mansfield City, Conn., assignor to The American Thread Company, New York, N. Y. Twisting machinery. 2,486,349, Oct. 25.
- Welch Allyn, Inc., assignee: *See*—
Allyn, William N.
Long, Walter K.
- Welch, Charles H., assignor of twenty-five per cent to W. A. Weaver, Flint, Mich. Nonskid device for automobiles. 2,462,584, Feb. 22.
- Welch, Charles H., Auburn, Wash. Invalid lift. 2,466,289, Apr. 5.
- Welch, Claude A., Deer Park, Ohio. Aircraft landing gear control. 2,492,078, Dec. 20.
- Welch, Cline H., assignor to The Alloy Cast Steel Company, Marion, Ohio. Metal-casting mold. 2,461,099, Feb. 8.
- Welch, Edward, Valley Falls, R. I. Waterproof garment. 2,473,740, June 21.
- Welch, Henry, Silver Spring, Md., assignor to the United States of America. Liquid injectable oil-pectin-drug therapeutic compositions. 2,491,537, Dec. 20.
- Welch, Lawrence E., East Orange, N. J., assignor to Amerco Products Inc. Educational game blocks. 2,491,883, Dec. 20.
- Welch, Peter: *See*—
Marsh, Walter W., and Welch.
- Welch, Peter, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Vacuum tube. 2,490,110, Dec. 6.
- Welch, Thomas R., Los Angeles, Calif. Control system for electric signs. 2,481,269, Sept. 6.
- Welch, Thomas R., Los Angeles, Calif. Multielectrode gas discharge electric sign. 2,490,182, Dec. 6.
- Welch, William E., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Thermometer having a casing with a magnifying element. 2,460,051, Jan. 25.
- Welch, William, Jr., Westbury, N. Y. Boiler feed-water temperature regulator. 2,489,345, Nov. 29.
- Welden, George R.: *See*—
Van Zelm, Willem D., Hill, and Welden.
- Welding Engineers Incorporated, assignee: *See*—
Fuller, Lawrence J.
- Welding & Manufacturing Company, Inc., assignee: *See*—
Coble, Ernest L.
- Welding Research, Inc., assignee: *See*—
Sciaky, David.
- Solomon, Julius L.
- Weldon, Conrad and L. E. Mitchellville, Iowa. Tractor coupler. 2,464,424, Mar. 15.
- Weldon, Lyle E.: *See*—
Weldon, Conrad and L. E.
- Welge, Henry J., Tulsa, Okla., assignor to Standard Oil Development Company. Microporometer for measuring the permeability of oil field cuttings. 2,462,014, Feb. 15.
- Welge, Henry J., Tulsa, Okla., assignor to Standard Oil Development Company. Core porosity analysis and apparatus therefor. 2,465,948, Mar. 29.
- Welge, Morton G.: *See*—
White, Michael, and Welge.
- Welin-Berger, Axel E., Halmstad, Sweden. Coupling for pipe conduits. 2,481,376, Sept. 6.
- Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Card sorting machine. 2,492,910, Dec. 27.
- Welk, Robert G.: *See*—
Niessen, Paul F., and Welk.
- Well Equipment Mfg. Corp., assignee: *See*—
Stillwagon, Crawford K.
- Well Surveys, Incorporated, assignee: *See*—
Davis, Robert F.
Fearon, Robert E.
Russell, William L.
Scherbatskoy, Serge A.
- Wellborn, Starnes R., Nashville, Tenn. Built-in circuitous smoke passage. 2,462,446, Feb. 22.
- Wellborn, Starnes R., Nashville, Tenn. Silk-screen printing apparatus. 2,462,447, Feb. 22.
- Wellcome, Hubert E., Pleasantville, N. Y. Projection of twisted wires. 2,469,533, May 10.

- Wellekens, John F., Providence, R. I., assignor to W & J Company. Coin-operated vending machine. 2,464,737, Mar. 15.
- Weller, Coy A., Flint, Mich. Paper roll holder. 2,472,239, June 7.
- Weller, Harvey C., assignor to Surface Combustion Corporation, Toledo, Ohio. Lehr. 2,458,040, Jan. 4.
- Wellings, John G., Rugby, England, assignor to General Electric Company. Current transformer. 2,476,787, July 19.
- Wellisch, Eric, West New York, N. J. Combined dispenser and music box. 2,466,978, Apr. 12.
- Wellman, Albert, Schenectady, N. Y., assignor to General Electric Company. Control system. 2,475,343, July 5.
- Wellman Bronze and Aluminum Company, The, assignee: *See—*
Vargo, Edward J.
- Wellman Company, assignee: *See—*
Polleys, Herbert R.
Stuart, Charles J.
- Wellman Engineering Company, The, assignee: *See—*
Crist, Robert W.
Kincaid, John H.
- Wellman, Homer B.: *See—*
Clausen, William H., and Wellman.
- Wellman, Rudyard K., St. Clair Shores, assignor to Wellward Tool Company, Inc., Detroit, Mich. Clamping electrical conduits. 2,487,912, Nov. 15.
- Wellman, S. K., Company, The, assignee: *See—*
De Marinis, Frank.
Sutton, Walter C.
Wellman, Samuel K.
Young, John L.
- Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Making composite articles. 2,462,821, Feb. 22.
- Wells, Albert L., Atlanta, Ga. Soldering flux. 2,458,232, Jan. 4.
- Wells, Bruce A., Schenectady, N. Y., assignor to General Electric Company. Actuator system. 2,491,842, Dec. 20.
- Wells, Earl J., Comptche, Calif. Dial micrometer. 2,468,581, Apr. 26.
- Wells, Edward C., Seattle, Wash., assignor to Boeing Airplane Company. Retractable shock absorbing strut. 2,459,982, Jan. 25.
- Wells, Edward C., Seattle, Wash., assignor to Boeing Airplane Company. Linear movement rudder pedal and linkage. 2,473,882, Aug. 9.
- Wells, F. Warren, assignor to Blair Manufacturing Company, Springfield, Mass. Golf ball collector. 2,484,437, Oct. 11.
- Wells Fargo Bank & Union Trust Co., administrator: *See—*
Olmsted, Roger W.
- Wells, John W., Red Bluff, Calif. Time announcing apparatus. 2,488,840, Nov. 22.
- Wells, Joseph W., assignor to Associated Spring Corporation, Bristol, Conn. Belleville spring assembly. 2,482,449, Sept. 20.
- Wells, Lee, and L. C. Fry, Gering, Nebr. Potato vine cutter. 2,483,683, Oct. 4.
- Wells, Lee A., and C. A. Halbkat, Houston, Tex. Mold for making plastic artificial eyes. 2,459,205, Jan. 18.
- Wells, Leonard M., Inc., assignee: *See—*
Burgesser, Leslie D.
- Wells, Louis E., Jr.: *See—*
Moss, Henry V., and Wells.
- Wells, Robert S., Rugby, England, assignor to General Electric Company. Barium halophosphate phosphor. 2,482,450, Sept. 20.
- Wells, Sidney D.: *See—*
Clark, James D., and Wells.
- Wells, Sidney D., Combined Locks, Wis., assignor to The Institute of Paper Chemistry. Digesting pulp by the alkaline process. 2,466,290, Apr. 5.
- Wells, Wesley E., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Cover glass for light signals. 2,484,136, Oct. 11.
- Welsh, Charles E.: *See—*
Ferguson, Charles S., and Welsh.
- Welsh Manufacturing Company, assignee: *See—*
Tapper, Burton M.
- Welsh, Matilda D., Ladue, Mo. Canopy frame. 2,461,014, Feb. 8.
- Welsh, Matilda D., Ladue, Mo. Chassis for baby buggies. 2,482,230, Sept. 20.
- Welsh, Matilda D., St. Louis, Mo. Combined parking stand and brake for baby carriages. 2,480,431, Aug. 30.
- Welsh, Max H.: *See—*
Deems, Delmar L., and Welsh.
- Welsh, Oral, assignor to Brown Flintube Company, Elyria, Ohio. Electric resistance welding method. 2,473,668, June 21.
- Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Governing of free piston compressors. 2,467,513, Apr. 19.
- Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Governing of free piston type internal-combustion compressors. 2,492,546, Dec. 27.
- Welsh, William H., New York, N. Y. Impeller. 2,463,581, Mar. 8.
- Wellstatter, Rosa R., New York, N. Y. Belt. 2,467,714, Apr. 19.
- Wellward Tool Company, Inc., assignee: *See—*
Wellman, Rudyard K.
- Wellwood, Elizabeth, R. J. McBride, W. J. Greer, and J. Wellwood, Belfast, Northern Ireland. Antisplash device for attachment to the heels of shoes or the like. 2,472,687, June 7.
- Wellwood, Joseph: *See—*
Wellwood, Elizabeth, McBride, Greer, and Wellwood.
- Wellwood, Warren D., and W. S. Slade, Taunton, Mass. Universal polishing attachment. 2,487,996, Nov. 15.
- Wellworth Piston Rings Limited, assignee: *See—*
Howlett, John W., and Woolcott.
- Welter, Roy: *See—*
Prager, Frank D., and Welter.
- Weltronic Company, assignee: *See—*
Barwick, Keith E.
Collom, Cletus J.
Undy, Gustav E.
- Welly, Albert B., Moline, Ill., assignor to International Harvester Company. Corn sheller. 2,467,790, Apr. 19.
- Welly, Albert B., Moline, Ill., assignor to International Harvester Company. Moisture tester for controlling recirculation of material in drying apparatus. 2,474,204, June 21.
- Welly, Albert B., Moline, Ill., assignor to International Harvester Company. Pneumatic grain elevator. 2,474,205, June 21.
- Welly, Albert B., Moline, Ill., assignor to International Harvester Company. Automatic draft control for grain driers. 2,488,753, Nov. 22.
- Welly, Albert B., Moline, and W. H. Walker, East Moline, Ill., assignors to International Harvester Company. Sample taker for moisture testing of dehydrated grain. 2,467,791, Apr. 19.
- Welly, Albert B., Jr., Mountainside, N. J., assignor to Standard Oil Development Company. Oxidation of aromatic hydrocarbons. 2,485,342, Oct. 18.
- Welly, Albert B., Jr., Mountainside, N. J., assignor to Standard Oil Development Company. Upgrading of naphtha. 2,490,287, Dec. 6.
- Welly, Albert B., Jr., Mountainside, and C. H. Holder, Cranford, N. J., assignors to Standard Oil Development Company. Conditioning a catalyst for use in hydroforming of naphthas. 2,459,480, Jan. 18.
- Welly, Albert B., Jr., Mountainside, and W. F. Rollman, Cranford, N. J., assignors to Standard Oil Development Company. Oxidation process. 2,489,346, Nov. 29.
- Wemp, Eleanor M., assignee: *See—*
Wemp, Ernest E.
- Wemp, Ernest E., Detroit, Mich., assignor of five per cent to E. M. Wemp, Los Angeles, Calif., twenty per cent to L. A. Wemp, five per cent to L. K. Smith, and five per cent to C. J. Smith, Detroit, Mich. Torus chamber hydraulic torque converter. 2,463,582, Mar. 8.
- Wemp, Ernest E., Detroit, Mich. Hydrokinetic torque converter. 2,471,179, May 24.
- Wemp, Ernest E., Detroit, Mich. Clutch and clutch control mechanism. 2,479,532, Aug. 16.
- Wemp, Lila A., assignee: *See—*
Wemp, Ernest E.
- Wemyss, Robert B., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Metal suitcase. 2,458,233, Jan. 4.
- Wen, Lian-Tong, New York, assignor of one-third to J. T. Basseches, Scarsdale, N. Y. Instrument panel and adjusting instruments thereon. 2,464,190, Mar. 8.
- Wen, Lian-Tong, New York, assignor of one-third to J. T. Basseches, Scarsdale, N. Y. Combined instrument panel with tolerance indicating means. 2,464,191, Mar. 8.
- Wenberg, Edwin H., U. S. Navy. Star recognition trainer. 2,477,027, July 26.
- Wenck, Claude E., Rockford, Ill. Hook and line holder. 2,474,176, June 21.
- Wendel, Rudolf, Roslyn Heights, N. Y. Light projector. 2,481,054, Sept. 6.
- Wendt, Harry C., Lynnfield, Mass., assignor to General Electric Company. Gyroscope erecting device. 2,486,897, Nov. 1.
- Wendt, Harry C., Lynnfield, Mass., assignor to General Electric Company. Gyroscope erecting device. 2,488,358, Nov. 15.
- Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Blocking oscillator. 2,468,420, Apr. 26.
- Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Electrical protection of cathode-ray tube screens. 2,476,167, July 12.
- Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Synchronizing system. 2,487,682, Nov. 8.
- Wendt, Robert H., assignee: *See—*
Dally, Roy.
- Wendt, Robert H., Evanston, Ill. Spatula. 2,485,521, Oct. 18.
- Wengel, Raymond W.: *See—*
Waller, Fred, Dresser, Swain, and Wengel.

- Wenger, Russell J., North Hollywood, assignor, by mesne assignments, to J. W. Merrick, Los Angeles, Calif. Air hammer with ball-type tool retaining chuck. 2,470,385, May 17.
- Wengler, Ernest: *See*—
Meierjohan, Herman, and Wengler.
- Wenk, Edward, Jr., Cabin John, Md., and R. S. Thatcher, Flint, Mich. Electric fluid pressure gauge. 2,477,026, July 26.
- Wennberg, Odd, Manhasset, N. Y. Automatic multiple twisting machine. 2,468,717, Apr. 26.
- Wenner, Wilhelm: *See*—
Fox, Herman H., and Wenner.
Platt, John T., and Wenner.
- Wenner, Wilhelm, Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of aminoalcohols. 2,477,842, Aug. 2.
- Wenner, Wilhelm, Montclair, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Production of acrylactic acids and amides. 2,489,348, Nov. 29.
- Wennerberg, August, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article transferring apparatus. 2,463,928, Mar. 8.
- Wennerbo, Erik, assignor to Industriktiebolaget Luxor, Motala, Sweden. Intermission device for automatic phonographs. 2,481,270, Sept. 6.
- Wennerbo, Erik, and H. Norén, assignor to A. H. Holstensson, Motala, Sweden. Magazine phonograph. 2,486,898, Nov. 1.
- Went, Jan J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Alloy for glass to metal seal. 2,491,787, Dec. 20.
- Wentling, Norval L., assignor of one-half to W. E. McHugh, Cumberland, Md. Wrench head for tightening wing nuts. 2,465,048, Mar. 22.
- Wentling, William H., Harrison Township, Montgomery County, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Reversible internal gear pump. 2,490,391, Dec. 6.
- Wentworth, Chandler, Princeton, N. J., assignor to Radio Corporation of America. Saggur. 2,483,794, Oct. 4.
- Wentworth, Theodore O., assignor to The Vulcan Copper & Supply Company, Cincinnati, Ohio. Liquid-vapor contact apparatus. 2,484,918, Oct. 18.
- Wentz, Richard K.: *See*—
Taylor, Thomas L., Bell, Jr., and Wentz.
- Wentz, William M., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous dyeing. 2,460,206, Jan. 25.
- Wenzel, Fred H., St. Louis, and H. F. Wenzel, Fenton, Mo. Self-cooling water bag. 2,467,792, Apr. 19.
- Wenzel, Herman F.: *See*—
Wenzel, Fred H., and Wenzel.
- Wenzel, James J., New Orleans, La. Loudspeaker cabinet with plural partitions forming labyrinth. 2,476,572, July 19.
- Wenzel, John E., Erie, Pa. Clothesline prop. 2,486,696, Nov. 1.
- Wenzke, Herman H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of normally gaseous hydrocarbons. 2,486,543, Nov. 1.
- Werber, Jack, Beacon, N. Y. Pocket safety device. 2,483,795, Oct. 4.
- Werdna Company, The, assignee: *See*—
Jencks, Charles D.
Lawson, Robert H.
- Werker, John F., Vincennes, Ind. Label moistener. 2,491,019, Dec. 13.
- Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator control. 2,482,568, Sept. 20.
- Werner, Edward A., Atlanta, Ga. Sulfuric acid chamber. 2,481,634, Sept. 13.
- Werner, Edward A., St. Clair, assignor of one-fourth to C. H. Swaffield, Port Huron, Mich. Automatically controlled ignition switch. 2,467,573, Apr. 19.
- Werner, Ernest G. G., and E. Farenhorst, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Preparation of glycidyl polyethers of polyhydric aromatic alcohols. 2,467,171, Apr. 12.
- Werner, Frank C., and D. Sporte, Grand Rapids, Mich.; said Sporte assignor to said Werner. Dough extruding and cutting machine. 2,488,046, Nov. 15.
- Werner, Fred, and E. C. Miles, Dallas, Tex. Awning and ventilator. 2,459,983, Jan. 25.
- Werner, George K., assignor to M-K Enterprises, Inc., Chicago, Ill. Variable phase shifter. 2,469,188, May 3.
- Werner, John F., Tracy, Minn. Roof ventilator. 2,470,201, May 17.
- Werner, Le Roy L., Washington, D. C. Escape device. 2,471,467, May 31.
- Werner, Milton, New York, N. Y. Saxophone mouthpiece. 2,467,921, Apr. 19.
- Werner, Nels E., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Lined container. 2,460,052, Jan. 25.
- Werner, Robert C.: *See*—
Jackson, Carey B., and Werner.
- Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing a catalytic article. 2,465,773, Mar. 29.
- Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst preparation. 2,482,308, Sept. 20.
- Wernitz, Charles W., Huntsville, Mo. Wrist watch. 2,484,200, Oct. 11.
- Wernitz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of citric acid with long chain aliphatic monohydric alcohols. 2,473,460, June 14.
- Wersler, Clarence F., and J. F. Bukowski, assignors to The Budd Company, Philadelphia, Pa. Adjustable tip for resistance welding electrodes. 2,479,547, Aug. 16.
- Werth, Frederick W., Jr., Clifton, N. J., assignor to Wright Aeronautical Corporation. Propeller governor. 2,472,181, June 7.
- Werth, Lawrence A., Dearborn, Mich. Window construction involving light-polarizing means. 2,464,954, Mar. 22.
- Werth, Lawrence A., Dearborn, Mich. Cutter for producing radish rosettes. 2,479,145, Aug. 16.
- Werth, Lloyd L., assignor to Eastman Kodak Company, Rochester, N. Y. Tape dispenser. 2,481,704, Sept. 13.
- Wertman, David: *See*—
Girouard, Philias H., and Wertman.
- Werthmann, Florian J., and G. F. Collier, Seattle, Wash., and R. F. Blomquist, Rushville, Nebr. Radio teletype system. 2,464,837, Mar. 22.
- Werts, Richard A., Long Beach, Calif., assignor of one-third to E. B. Hall and one-third to A. L. Armentrout. Apparatus for handling flow from wells. 2,488,841, Nov. 22.
- Wertz, Flo J., Washington, D. C. Children's and girls' pants. 2,484,478, Oct. 11.
- Wertz, Frank G., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Flare block for railway crossings and the like. 2,485,947, Oct. 25.
- Wertz, Hugh S., trustee for the beneficiaries of the Earle Patents Trust, assignee: *See*—
Earle, Guyon L. C.
- Wertz, Hugh S., New Hyde Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device. 2,481,458, Sept. 6.
- Wertz, James E., assignor of one-half to R. W. Eldridge Company, Charlotte, N. C. Variable slot for presser foot hemmers. 2,489,603, Nov. 29.
- Wertz, Louis S., assignee: *See*—
Turzillo, Lee.
- Wertzler, Richard: *See*—
Olson, Leonard E., and Wertzler.
- Wesbar Stamping Corporation, assignee: *See*—
Brei, Daniel L.
Pilsner, Richard A.
- Weschler, William S., Camden, R. P. Roetter, Westmont, and R. P. Corporon, Haddonfield, N. J., assignors to Radio Corporation of America. Cooling system for electron discharge devices. 2,476,647, July 19.
- Wesco Electric Company, Inc., assignee: *See*—
Anton, Nicholas T.
- Wescott, Harvey M., South Westport, Mass. Figurine ball projector. 2,470,962, May 24.
- Wescott, John W., 2d: *See*—
Brockman, Frank G., and Wescott, 2d.
- Wesenberg, Harold: *See*—
Conradi, Lorentz A., Gjösteen, and Wesenberg.
- Wesley, Homer C., Sr., Louisville, Ky. Device for softening beards. 2,473,926, June 21.
- Wesley, Huey G., assignor of one-third to J. O. Wesley, Chillicothe, Ohio. Kaleidoscopic apparatus for projecting symmetrical designs. 2,475,930, July 12.
- Wesley, James O., assignee: *See*—
Wesley, Huey G.
- Wesleyan University, assignee: *See*—
Berr, Charles E.
- Wessel, Carl, Chicago, Ill. Mold apparatus for casting metals. 2,474,963, July 5.
- Wessel, John H., assignor to Utility Appliance Corp., Los Angeles, Calif. Rotor. 2,458,041, Jan. 4.
- Wessel, John H., assignor to Utility Appliance Corp., Los Angeles, Calif. Blower installation. 2,464,473, Mar. 15.
- Wessels, Henry E., assignor to G. L. Fish, Spokane, Wash. Lawn sprinkler. 2,469,534, May 10.
- Wessman, Arnold, Cedar Lake, Ind., assignor to C. F. Braun & Co., Alhambra, Calif. Device for securing manway covers. 2,476,009, July 12.
- Wesson, Alexander J.: *See*—
Olpin, Henry C., and Wesson.
- Wesson, Alexander J., and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Fire-resistant organic fibrous materials containing ethylene diamine dihydrobromide. 2,464,360, Mar. 15.
- Wesson, Eleanor M., assignee: *See*—
Wesson, Victor H.
- Wesson, Victor H., deceased, Palmer, by Springfield Safe Deposit and Trust Company, executor, Springfield, assignor to E. M. Wesson, Palmer, Mass. Sear mechanism. 2,462,585, Feb. 22.
- West, Aubrey L.: *See*—
Goodman, Curtis J., and West.
- West, Carl H., St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Heating ingots. 2,474,504, June 28.

- West, Carl H., St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace cover operating mechanism. 2,474,505, June 28.
- West Company, The, assignee: *See*—
Rohde, Le Roy H., and Underwood.
- West, Edward E., Richmond, Va. Bag stringing machine. 2,486,350, Oct. 25.
- West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Bobbin clutch. 2,472,240, June 7.
- West, Harry D., Bay City, assignor of one-half to E. Kushmaul, Saginaw, Mich. Toothbrush. 2,473,773, June 21.
- West, Herbert J., Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y. Reaction product of a polymethylol melamine and an aromatic amine. 2,476,127, July 12.
- West, Herman P., Franklin, N. C. Oil filter and renewable cartridge. 2,463,929, Mar. 8.
- West, Howard K.: *See*—
Berger, Emil J., and West.
- West, James P.: *See*—
West, Theo J. and J. P.
West, Theo J., and West.
- West, James R., G. B. Hill, and M. E. McClellan, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Baling press. 2,470,278, May 17.
- West, John W., assignor of one-third to P. E. Medwed, and one-third to E. E. Rosen, Bangor, Maine. Ice drill. 2,485,123, Oct. 18.
- West, Kenneth M., Chincoteague Island, Va. Fish-scaling device. 2,492,606, Dec. 27.
- West, Lloyd L.: *See*—
Spiller, William R., and West.
- West, Merle J., Los Angeles, assignor of one-half to F. B. Page and one-half to J. A. Sparkman, Huntington Park, Calif. Pencil holder for telephones. 2,484,363, Oct. 11.
- West, Rex J.: *See*—
Carpenter, Joseph D., and West.
- West Road Co. Limited, assignee: *See*—
Denisoff, Alexander C.
Young, John L.
- West, Robert S., assignor to James H. Lamont & Company Limited, Edinburgh, Scotland. Pipe coupling device. 2,491,384, Dec. 20.
- West, Roger R., San Francisco, Calif. Straight beam adjustable jaw quick release clamp. 2,487,997, Nov. 15.
- West, Theo J., Port Arthur, Tex., assignor to Allied Chemical & Dye Corporation. Reactivation of overheated silver surface catalysts. 2,479,885, Aug. 23.
- West, Theo J., Port Arthur, Tex., and J. P. West, Chicago, Ill., assignors to Allied Chemical & Dye Corporation. Silver surface catalysts and producing same. 2,463,228, Mar. 1.
- West, Theo J., Port Arthur, Tex., and J. P. West, Chicago, Ill., assignors to Allied Chemical & Dye Corporation. Reactivating a poisoned silver surface catalyst. 2,479,883, Aug. 23.
- West, Theo J., Port Arthur, Tex., and J. P. West, Chicago, Ill., assignors to Allied Chemical & Dye Corporation. Reactivating a poisoned silver surface catalyst. 2,479,884, Aug. 23.
- West, Wilfred H., Oakland, Calif. Paper towel. 2,477,223, July 26.
- West, William: *See*—
Carroll, Burt H., and West.
- West, William L., Belmont, N. C. Rotary helicopter and support. 2,472,556, June 7.
- West, William O., Fort Worth, Tex. Fluid pump. 2,467,641, Apr. 19.
- West, William P., assignor to Philco Corporation, Philadelphia, Pa. Magnetic transducer with separable pole faces. 2,459,299, Jan. 18.
- West, Willis Z., Jr., and M. F. Gamble, Winston-Salem, N. C. Centrifugal force operated switch. 2,459,984, Jan. 25.
- West Bend Aluminum Co., assignee: *See*—
Kraemer, Elmore A.
- Westberg, Vernon C.: *See*—
Nilson, James H., and Westberg.
- Westberg, Vivian L., Chicago, Ill. Periodical circuit maker. 2,468,696, Apr. 26.
- Westcott, Russell G.: *See*—
Behnke, George W., Westcott, and Sandula.
- Westcott, Vernon C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical pulse system. 2,459,858, Jan. 25.
- Westcott, Vernon C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Harmonic generator. 2,485,124, Oct. 18.
- Westcott, William B., Jr., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Retractable nose wheel. 2,467,064, Apr. 12.
- Westcott, William B., Jr., Kingston, N. Y., assignor to Curtiss-Wright Corporation. Retractable landing gear. 2,478,729, Aug. 9.
- Westcott, William B., Jr., Kingston, N. Y., assignor to Curtiss-Wright Corporation. Landing gear. 2,484,919, Oct. 18.
- Westendorp, Willem F.: *See*—
Pollock, Herbert C., and Westendorp.
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Apparatus for imparting high energy to charged particles. 2,480,169, Aug. 30.
- Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Accelerator magnet structure. 2,491,345, Dec. 13.
- Wester, Henry P., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article holding apparatus. 2,467,103, Apr. 12.
- Westergaard, Carl C.: *See*—
Johansen, John V., and Westergaard.
- Western Condensing Company, assignee: *See*—
Hanson, Austin M., Rodgers, and Meade.
Meade, Reginald E., and Clary, Jr.
Meade, Reginald E., and Strigham.
Meade, Reginald E., Taylor, and Crews.
- Western Electric Company, Incorporated, assignee: *See*—
Adair, Frank M., Brunner, and Trebes.
Adams, George P., and Berggren.
Anderson, Carl M.
Anderson, Chester W., Hansen, and Overmyer.
Behlert, Austin F.
Bennett, Loren E.
Berggren, George E.
Bertalan, Edward, and Wagner.
Bickham, Francis J.
Bissett, Norman T., and Moore.
Bock, Sam.
Bouget, Yves A.
Boynton, Wentworth D.
Boynton, Wentworth D., Lewis, and Page.
Brooks, Percy E.
Bunch, Tillman T.
Bureau, Arthur A.
Bureau, Arthur A., and Denny.
Burleigh, Robert P., Jr.
Chandler, Marshall R.
Chapman, Alan T., and D'Agostino.
Cherry, George L., and Scott.
Clifford, Harry W.
Conklin, Robert M.
Dehn, William F.
De Lorme, Alfred C., and Schesch.
Demers, Paul E.
Detuno, Rocco J.
Duclos, Aeneas J. N., and Gillis.
Dunn, John R.
Dustin, George F., and Manning.
Eppler, Walter T., and Keller.
Ewaldson, Waldemar C.
Fairfield, Walter B.
Franz, Erwin E.
Freeman, Leonard A.
Gambrill, Richard D.
Gambrill, Richard D., and Lewis.
Garbe, Howard W.
Gauthier, Marcel C.
Gillis, Randall.
Grasso, Vito C., and Snook.
Gray, Alvin C.
Grosselfinger, Walter H.
Guild, Lorne E.
Hamilton, James O., and Rozankowski.
Hansen, Carl E., and Juvinall.
Hanson, Estlyle D., Henning, and Nelson.
Harris, Fred E., Hegeman, Jr., Mitchell, and Snook.
Harris, Robert A., and Patton.
Henning, George E.
Henning, George E., and Lewis.
Hodgdon, Frank B.
Holcomb, Arthur L.
Holmgren, Edgar G.
Isaacson, Arthur M., and Merwin.
Jernstedt, George W.
Johnson, Joel R.
Johnston, Fred D.
Johnstone, Harold G.
Jones, David D.
Kammerer, Charles J., and MacKinnon.
Kinard, Robert K.
Konicek, Frank, and Vennes.
Larsen, Elmer J., and Nelson.
Larson, Harry R.
Lerch, Brooke W.
Logan, Alexander.
Lovett, Leroy W., Sherrill, and Stiegler.
Luley, John C.
Lyons, Francis P.
MacPheat, Alexander M.
Mageoch, Nelson H.
Marcus, Jerome R., and Walter.
McCain, Cecil C.
Merwin, Harry H.
Michal, Leon V.
Morberg, Ivar A., and Stuhlfauth.
Moss, Earl C.
Newton, John S.
Nystrom, Axel C., and Volckhausen.
O'Hara, James T.
Padowicz, Henry N.
Patton, Charles C.
Pomeroy, Richard C.
Powell, Paul R.
Powell, Raymond E.
Quinlan, Amos L.
Rayburn, Vincent A.

Western Electric Company, Incorporated, assignee: *See—Continued.*

Robson, Duer C.
Robson, Duer C., and Stover.
Ross, Harold D., Jr.
Schwartz, Harry H.
Smith, Scott V.
Soderman, George W.
Spillman, Gordon C.
Stackawicz, Carl.
Stull, John S.
Sutherland, Carl H.
Thielker, Henry J.
Van Winkle, James O.
Wallace, James M.
Wallace, James M., Rawlins, Cumming, and Aspey.
Walter, Charles W. P.
Waters, Daniel V.
Walters, Ernest G.
Wennerberg, August.
Wester, Henry P.
White, Russell G.
Wilkes, Donald P.
Williams, Alfred A.
Workman, William J.
Zimmerman, Walter W.

Western Electrochemical Company, assignee: *See—Schumacher, Joseph C.*

Western Engineering Associates, assignee: *See—Scurlock, James C.*

Western Foundation Corporation, assignee: *See—Thornley, Joseph H., and Caudill.*

Western Gear Works, assignee: *See—Hollingsworth, Leon W.*

Western Hardware & Specialty Manufacturing Company, assignee: *See—*

Judell, Julius S.

Western Plastics, Incorporated, assignee: *See—Morse, Forbes, and Christensen.*

Western Railroad Supply Company, assignee: *See—Miskelly, Samuel.*

Western Railway Equipment Company, assignee: *See—Pietzsch, Frank H.*

Western Union Telegraph Company, The, assignee: *See—*

Angel, Herbert.
Grimes, Edgar S.
Kitchin, Donald W., and Dyke.
Light, George G., and Blanton.
Light, George G., and Hanford.
Milnor, Joseph W.
Nelson, Dale H.
Nelson, Dale H., and Cosby.
Tandler, William S., and Walker.
Wise, Raleigh J., and Parrott.
Wise, Raleigh J., and Ridings.
Wise, Raleigh J., Ridings, and Parrott.

Western Pine Manufacturing Company, assignee: *See—*

Carman, Harold C.

Western States Machine Company, The, assignee: *See—*

Hertrich, Joseph.

Hertrich, Joseph, and Huser.

Westfahl, Jerome C., Trumansburg, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 2-carboalkoxy-1,3-butadiene dimers by pyrolysis of Δ^2 -carboalkoxy cyclohexenes. 2,480,892, Sept. 6.

Westhoff, Earl C., Belton, Mo. Suction duster for Venetian blinds. 2,490,892, Dec. 13.

Westholt, Loyd R.: *See—*

Davis, Charles J., Westholt, and Michaels.

Westin, Daniel B., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glass articles. 2,474,708, June 28.

Westinghouse Air Brake Company, The, assignee: *See—*

Bent, Arthur J.
Bush, Rankin J.
Campbell, James A.
Cook, Earle S.
Cook, Earle S., McClure, and Rush.
De Witt, Chauncey O.
Erson, Erik G.
Frazee, Albert C.
Good, John N.
Gorman, Andrew T.
Hewitt, Ellis E., and Larson.
Hines, Claude M.
Kelley, Cecil S.
Kershaw, Norman G.
Larson, Arthur G.
McCune, Joseph C.
Miller, Raymond E.
Newell, George K.
Rush, John W., and Bent.
Sexton, Everett P.
Stevens, Roy R.
Stevens, Roy R., and Larson.

Westinghouse Electric Corporation, assignee: *See—*

Abbott, Ward D.
Abbott, Ward D., and Russell.
Ackermann, Otto.
Aldrich, Donald F.
Allen, Harold P.
Alpert, Daniel.
Altfather, Conrad T.
Amatel, Harold.

Westinghouse Electric Corporation, assignee: *See—Continued.*

Ankenman, Earl B.
Ankenman, Earl B., and Center.
Armstrong, George C.
Armstrong, George C., and Taylor.
Arnold, Edwin E.
Arnold, Edwin E., and Newton.
Arnold, Edwin E., Putz, and Newton.
Arters, Edward T.
Askey, John S.
Atwell, Clarence A.
Atwell, Clarence A., and Brecht.
Austin, Bascom O.
Austin, Bascom O., and Oplinger.
Auxier, Robert W., and Norelli.
Bacheler, Albert T.
Baker, Benjamin P.
Baker, Benjamin P., and Cumming.
Baker, Benjamin P., and Harker.
Baker, Benjamin P., and Leeds.
Baker, Benjamin P., Van Sickle, and Cumming.
Baker, Benjamin P., and Webb.
Baker, Robert M.
Ballentine, Richard E., and Schilling.
Barnsteiner, Alfons.
Barsun, Herman F.
Bartlett, James L., Jr.
Baudry, Rene A., and Heller.
Baylis, Albert H., and Rawlins.
Baxter, Harold G.
Beck, Edward F. W.
Becker, Maximilian C.
Bentley, Oliver D. H.
Berkey, William E., and Von Mertens.
Berkovitz, Harry.
Bernarde, Henry L.
Biebesheimer, William B.
Blackburn, Wayne E.
Blackburn, Wayne E., and Apodaca.
Blanchard, Charles E., and Ferre.
Bobe, Stanley A.
Booth, James D.
Bouton, Edgar M.
Boyd, John, and Bice.
Boykin, John R.
Bradbury, Donald.
Bradley, Schuyler L.
Brecht, Winston A.
Brown, Myron J.
Brubaker, Wilson M.
Buchanan, Leslie B. M.
Buchanan, Lloyd W.
Buonincontri, Joseph.
Burgwin, Stephen L.
Burgwin, Stephen L., and Bailey.
Bush, Howard F.
Carlin, Herbert J., and Hoard.
Cartier, Harold E.
Cassie, John.
Christensen, Willard L.
Chubbuck, Leonard B.
Clark, Earl K.
Claybourn, Glen L.
Cody, Clifford S.
Colaiacono, August P., and Cork.
Cole, Russell H.
Collins, Thomas K., Jr.
Coltman, John W.
Conrad, Joseph D., and Lloyd.
Cook, Willard G.
Cooper, Nelson D.
Corbett, Ray F.
Criner, Harry E., and Baudry.
Cumming, James M.
Cumming, James M., and Blewitt.
Curry, Oliver B.
Dana, Charles A., and Leltz.
Davenport, Charles C.
Davis, Evan A.
De Domenico, Samuel.
Denault, Clinton L.
Derr, Willard A.
De Zubay, Egon A.
De Zubay, Egon A., and Wilson.
Dinnick, George M.
Dorfman, Hiller D., and Freese.
Dowell, Arthur E., III.
Duffy, Philip A., Jr.
Dunbar, John R.
Duncan, Charles S.
Dyer, Lloyd W.
Eames, William F.
Easley, Gilbert J.
Easley, Gilbert J., and Bonine.
Eberhart, Arthur H.
Edwards, Roy H.
Eigenberger, Elroy L.
Ellis, Harold E.
Elsey, Howard M.
Erbe, John R., and Caldwell.
Esarey, Raymond W.
Evans, George S.
Fahnoe, Harold H.

Westinghouse Air Brake Company, The, assignee: See—
Continued.

Ferris, Ralph E., and Shirley.
Fields, Charles V.
Fitzgerald, Edward B.
Flagle, Charles D.
Flood, Charles W., Jr.
Forbes, Allan D.
Forbes, Allan D., and Siefert.
Ford, James G., Horstman, and Bramble.
Ford, James G., and Nagel.
Formhals, William H., and Penney.
Foster, Newton C.
Foster, Newton C., Hill, Runk, and Schulman.
Fox, Roy C.
Fox, Roy C., and Massey.
Franck, Clarence C., and Zetterquist.
Freeman, George A., and Green.
Friedrich, Robert E.
Frink, Russell E.
Frisch, Erling, Hanna, and Osbon.
Fromm, Kenneth N.
Fry, Francis J.
Garbuny, Max.
Gayer, George F.
Geiselman, Ralph A.
Geiselman, Ralph A., and Cuttino.
Geissler, Henry and Cassie.
Germany, James H.
Godsey, Frank W., Jr.
Goldsborough, Shirley L.
Goldsborough, Shirley L., and Blackburn.
Goldthwaite, George R.
Good, William E.
Goodnow, Arthur C.
Gottlieb, Manious, and Meyer.
Grainger, Louis N.
Griscom, Samuel B., and Witzke.
Grover, Norman J.
Guerdan, Dikran A., and Bluman.
Gulbrandsen, Earl A.
Hagen, Harold F.
Hagg, Arthur C.
Hagg, Arthur C., and Cametti.
Hagopian, Richard H.
Hague, Floyd T.
Hancock, Chester F.
Haneiko, John G.
Hanna, Clinton R., and Lynn.
Hanna, Clinton R., and Mikina.
Hanna, Raymond P.
Hanna, Raymond P., and Brahmer.
Hansen, Hans E.
Harder, Edwin L.
Harder, Edwin L., and Rustebakke.
Harder, Edwin L., and Valentine.
Harris, Walter R.
Harris, Walter R., and Wagner.
Harrison, John W.
Hartwig, Edward C.
Hastings, Roger W.
Hathaway, Clarence B., and Woll.
Hein, Carl C.
Heitchue, Regis D.
Helsing, Knud J.
Hibbard, Lloyd J., Gibbs, and Brown.
Hill, Lawrence R., Bindschadler, and Campbell.
Hipple, John A., Jr.
Hipple, John, Jr., and Grove.
Hodnette, John K.
Hodnette, John K., and Forbes.
Hoop, John G.
Hoover, Dillon B., and Godwin.
Hornbarger, Earl H., and Schaelchlin.
Hubscher, Eric W.
Hull, Frederick C.
Idle, James G.
Jackson, Hagan L.
Jennings, Charles H., and Gamber.
Jernstedt, George W.
Jernstedt, George W., and Ceresa.
Jones, Maurice F.
Kaiser, Francis D.
Kehoe, Joseph W., and Dym.
Kenyon, Alonzo F., and Specht.
Keyes, John J.
Kilgore, Lee A.
Kilgore, Lee A., Godsey, Rose, and Powers.
Kimball, Albert W., and Harding.
King, Alexander S., Jr.
King, George E.
King, George E., Cooper, and Caldwell.
King, George E., and Fisher.
King, George E., and Herchenroeder.
Kinn, Theodore P.
Kirschbaum, Herbert S.
Knochel, William J.
Knochel, William J., and Aakjer.
Knotts, Charles L., and Brown.
Koch, Gustav H.
Kolgore, Lee A.
Kovalsky, Joseph F.
Kramer, Fred S.
Krapf, Herman C.

Westinghouse Air Brake Company, The, assignee: See—
Continued.

Krings, Bernard J.
Kroon, Reinout P.
Kuhn, Edmund W.
Kusch, Polykarp.
Laidig, Alfred H.
Langer, Bernard F., and Godsey.
Langer, Bernard F., and Wommack.
Lee, Paul R.
Lee, Reuben.
Leeds, Winthrop M.
Leeds, Winthrop M., and Cumming.
Leitzel, Raymond H.
Leneham, Bernard E.
Lessmann, Gerhard P.
Lilliendahl, William C.
Lindstrom, Ture, and Grissinger.
Lingal, Harry J.
Lingal, Harry J., and Watts.
Liwschitz, Michael, and Kimball.
Longini, Richard L.
Ludwig, Leon R.
Ludwig, Leon R., and Baker.
Ludwig, Leon R., Baker, and Leeds.
Ludwig, Leon R., and Formhals.
Ludwig, Leon R., Webb, and Baker.
Ludwig, Leon R., Wilcox, and Leitzel.
Lundahl, Walter N., and Wright.
Lyle, Frederick W.
Lynn, Clarence.
Lynn, Lawrence B.
Mabry, Forrest S.
Madden, Henry I.
Madsen, Carl J.
Mahnke, Kurt.
Makenny, William.
Martin, Alexander.
Mason, Ruric C.
McBride, Byron V.
McClellan, Cyril E.
McCloy, Graham.
McCloy, Graham S.
McGillivray, Archie.
McIntosh, Ralph C., and Sheppard.
McNall, John W.
Menges, Louis J.
Mershon, Clarence L.
Mertler, Charles S.
Mierley, George M.
Mikina, Stanley J.
Miller, Stephan, and Pontius.
Miner, John D., Jr.
Minter, Herbert F.
Morehead, Chalmers.
Morris, Robert C.
Morton, Harry E.
Mosshart, Donald J.
Mosshart, Donald J., and Herwick.
Mueller, Erich O.
Mueller, Erich O., and Atwell.
Mulheim, Joseph E.
Myhre, Conrad B., and Dragar.
Nagel, Fritz J.
Nagel, Fritz J., and Horstman.
Nagel, George W., and Schultz.
Newhouse, Simeon E.
Newton, John S.
Newton, John S., and Putz.
Nims, Albert A., Jr.
Okress, Ernest C.
Okress, Ernest C., and Laidig.
Owen, Albert G.
Owens, James B.
Packer, Lewis C.
Pakala, William E.
Palmer, Robert T.
Pankow, Edmund G.
Pendleton, Wesley W., Berberich, and Smith.
Penney, Gaylord W., and Hewitt.
Pennow, Willis A.
Pickford, Jack.
Pierce, Lawrence.
Plagge, Vernon L.
Ponomareff, Alexander I.
Ponomareff, Alexander I., and Schwendner.
Price, Towson.
Purifoy, George R.
Purifoy, George R., and Burkhart.
Quimper, Anthony A.
Rathbun, John P.
Ratz, Elmer G.
Redding, Arnold H.
Redmond, John A.
Reilly, Jack E., and Jolly.
Rennie, Robert F.
Rentschler, Harvey C.
Rentschler, Harvey C., and Nagy.
Ridgely, Neville R., Jr., and Coleman.
Rigrod, William W.
Ritter, John G.
Ritter, Irving S.
Ritter, Irving S., and Morley.
Rively, Clair M., and Crocker.

Westinghouse Air Brake Company, The, assignee: *See—*
Continued.

Rose, Herbert A., and Hopper.
Ross, Malcolm D.
Rossignol, Charles A. P., and De Giacomoni.
Rushing, Frank C., and Winer.
Saldin, Harvey B.
Saler, Jules N.
Sandin, Jerome, Kraft, and Rawlins.
Sandin, Jerome, and Lindstrom.
Santini, Danilo.
Sattler, Frank A.
Sauer, Louis E.
Schaelchlin, Walter, and Harding.
Schaelchlin, Walter, and Winchester.
Schaffel, Gerson S.
Schmidt, Paul L., and Campbell.
Schuck, Raymond W.
Schulman, Earl L., and Beiler.
Schulman, Earl L., and Jerabek.
Schulman, Earl L., and Johnson.
Schuman, Albert.
Schwendner, Anthony F.
Scott, Howard, and Gordon.
Sears, Philip R.
Sewell, Henry R., and Palmer.
Shaw, Harold D.
Shoupp, William E.
Slamar, Frank.
Slepian, Joseph, and White.
Sloan, David H.
Smith, Benjamin H.
Snyder, Frederick D.
Sonnemann, William K.
Stadum, Clarence B., and Large.
Stearns, Kenneth R.
Stein, Joseph M.
Stein, Joseph M., and Egglestone.
Stein, Joseph M., and Greenmeyer.
Steinert, Emil F., and Jennings.
Sterrett, Charles C.
Stine, Samuel S.
Stokes, Harold E.
Stoltz, Glenn E.
Stoltz, Glenn E., and Erbe.
Stoltz, Glenn E., Erbe, and Geiselman.
Strom, Albert P.
Strong, Robert M.
Suffield, Frederick G.
Sutton, William H.
Swiss, Jack.
Szymczyk, Edmund A.
Taliaferro, William R.
Taylor, Charles H.
Taylor, Owen L.
Thoresen, Oscar.
Tobey, Raymond E.
Tubbs, Lester G.
Turner, Dennie R.
Ulman, Lynn J.
Van Sickle, Roswell C.
Vaughan, Sam G., Grant, Altar, and Dodd.
Von Mehren, Oswald.
Wachter, Joseph J.
Wagner, Robert J.
Wallace, James M., Edwards, and Beach.
Wallace, James M., and Owens.
Wallace, James M., and Rawlings.
Walley, Omar C.
Walton, Howard T., and Woll.
Watrous, Ward W., Jr., and Gleason.
Watson, Earl C., and Kimball.
Way, Donald F.
Webb, Josephine R., and Webb.
Weil, Conrad.
Weybrew, Theibert L., and Strong.
Wharff, Edward M.
Wheeler, Myron S.
White, Alfred B.
White, Robert W.
Whiteman, Irvin, and Davenport.
Whitmore, James B., and Morand.
Whitney, Eugene C.
Whitney, Eugene C., and Erhard.
Whittaker, Charles C.
Whittaker, Charles C., and Eunson.
Williams, Carroll M., and Hayford.
Williams, Harold W.
Willis, Hilary B.
Wilson, Earl D.
Wilson, Richard B.
Winkler, Frederic C., and Wyman.
Wise, Ernest G.
Witzke, Raymond L.
Woodward, Foster R.
Wrathall, John R.
Young, James F.
Yoxsimer, Orland H.
Zavales, Charles T.

Westland Aircraft Limited, assignee: *See—*
Widgery, William M.

Westman, Oscar B., and O. W. Olson, assignors to General Motors Corporation, Detroit, Mich. Trim panel assembly. 2,466,190, Apr. 5.

West Michigan Steel Foundry Co., assignee: *See—*
Locke, Charles.

West Michigan Steel Foundry Company, assignee: *See—*
Seyferth, Carl G.

Westmoreland, Bascom B., and B. G. Barnett, Dallas, Tex. Foldable canopy frame. 2,465,302, Mar. 22.

Westmoreland-White, Beryl, assignor to Messrs. Hard Metal Tools Limited, Coventry, England. Hard compositions for use in tools and making. 2,471,016, May 24.

Westmoreland, William D., Overton, Tex. Asbestos shingle nail hole punch. 2,483,796, Oct. 4.

Weston, Arthur W., Waukegan, assignor to Abbott Laboratories, Chicago, Ill. Aminoalkyl-phenyl lactones. 2,490,937, Dec. 13.

Weston Electrical Instrument Corporation, assignee: *See—*
Gilbert, Roswell W.
Huber, Paul, and Williams.
Kunz, Miles C.
Lamb, Anthony H.
Lederer, Karl M.
Miller, John H.
Woodward, Horace L., Jr.

Weston, Herbert, New York, N. Y., vested in the Attorney General of the United States. Accounting and filing device. 2,457,855, Jan. 4.

Weston, Jeffrey D.: *See—*
Earp, Charles W., and Weston.

Weston, Simeon, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Grid structure for electron discharge devices. 2,459,859, Jan. 25.

Weston, William K., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Repeater submarine signaling cable. 2,471,468, May 31.

Weston, William K., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric cable for high frequencies. 2,480,170, Aug. 30.

Westover, Bert J.: *See—*
Sanderson, William J., and Westover.

West Point Manufacturing Company, assignee: *See—*
Wilson, Charles C., Cudd, and Probasco.

Westronics Inc., assignee: *See—*
Basham, Raymond B.

West Virginia Pulp and Paper Company, assignee: *See—*
Pollak, Arthur, Kellen, Jr., and Drum.
Wadleigh, George R.

West Virginia Steel and Manufacturing Company, assignee: *See—*
Rosing, Borge.

Wethly, Frans: *See—*
Wilputte, Louis, and Wethly.

Wethly, Frans, Manhasset, N. Y., assignor to Allied Chemical & Dye Corporation. Combination vertical fluid coke-oven battery adapted to coke swelling coals. 2,460,324, Feb. 1.

Wetlaufer, William L., Buffalo, N. Y. Vibratory therapeutic chair. 2,492,671, Dec. 27.

Wettstein, Albert: *See—*
Miescher, Carl, Frey, Meystre, and Wettstein.

Wetzel, Albert, Detroit, Mich., assignor to Carbology Company, Inc. Fixture for grinding twist drill tips. 2,491,346, Dec. 13.

Wetzel, Earl W., Milwaukee, Wis. Sportsman's hat. 2,472,033, May 31.

Wetzel, Grant N., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic acoustic control for public address systems and the like. 2,484,662, Oct. 11.

Wetzel, Joseph L., D. G. Chakiris, and R. F. Poorman, assignors to Autocrat Inc., Dayton, Ohio. Signaling device for drive-in theaters. 2,463,339, Mar. 1.

Wetzold, William W.: *See—*
Harrigan, C. Herbert, Wetzold, Norcross, and Van Riper.

Wewetzer, Albert, assignor to Illinois Watch Case Co., Elgin, Ill. Compact. 2,461,711, Feb. 15.

Wexler, David J., Islip Terrace, N. Y. Self-retaining abdominal retractor. 2,473,266, June 14.

Wexler, John W., Silver Spring, Md. Preparing fish. 2,487,957, Nov. 15.

Weyandt, Carl S., Homer City, Pa. Permanent magnet vibratory motor. 2,453,545, Jan. 11.

Weyandt, Carl S., Homer City, Pa. Electromagnetic vibrator. 2,463,448, Mar. 1.

Weyandt, Carl S., Homer City, Pa. Vibratory motor. 2,472,637, June 7.

Weyandt, Carl S., Homer City, Pa. Internal-combustion percussion tool control. 2,479,593, Aug. 23.

Weybrew, Theibert L., and R. M. Strong, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,492,022, Dec. 20.

Weyenberg, Henry, and W. E. Tice, assignors to Holland Furnace Company, Holland, Mich. Incinerator. 2,473,624, June 21.

Weyenberg, John T., Kimberly, assignor to Paper Patents Company, Neenah, Wis. Web severing method and apparatus. 2,461,246, Feb. 8.

Weyenberg Shoe Manufacturing Company, assignee: *See—*
Simons, Theodore R.

Weyerhaeuser Timber Company, assignee: *See—*
Booty, Raymond G.
Harch, Raymond S., and Hammond.

- Weyl, Bernard A., Pittsburgh, Pa. Attachment of buttons to fabric. 2,470,963, May 24.
- Weyl, Woldemar A., State College, Pa., assignor to Monsanto Chemical Company. Ceramic bodies. 2,486,811, Nov. 1.
- Weyl, Woldemar A., State College, Pa., assignor to Monsanto Chemical Company. Ceramic bodies. 2,486,812, Nov. 1.
- Weymouth, Leslie G., Mountain View, Calif., assignor to Owens-Illinois Glass Company. Article conveying and distributing mechanism. 2,466,962, Apr. 12.
- Weynand, Paul, San Antonio, Tex. Stone dresser. 2,471,991, May 31.
- Whalen, Edward M., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,463,731, Mar. 8.
- Whalen, Richard D., and S. Berg, Tampa, Fla. Trailer construction. 2,478,795, Aug. 9.
- Whaley, Thomas H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Agglomeration of powdered material. 2,457,962, Jan. 4.
- Whalley, John E., Eugene, Oreg. Removable log bunk. 2,491,067, Dec. 13.
- Whann, R. Welton, assignee: *See*—Porter, Gilbert E.
- Wharff, Edward M., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating apparatus. 2,476,935, July 19.
- Wharton, Walter L., San Angelo, Tex. Spring wheel. 2,482,046, Sept. 13.
- Whately, Walter R.: *See*—Hoback, Waller H., Cauwenberg, and Whately.
- Whately, Walter R., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Water dispersible titanium dioxide. 2,464,192, Mar. 8.
- Whately, Walter R., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Water-dispersible titanium dioxide. 2,480,092, Aug. 23.
- Wheary, George H., Jr., assignor to Wheary, Incorporated, Racine, Wis. Suitcase handle having transparent plastic grip and U-shaped metal core. 2,483,307, Sept. 27.
- Wheary, Incorporated, assignee: *See*—Wheary, George H., Jr.
- Wheatley, Edward W.: *See*—Fisher, James W., and Wheatley.
- Wheaton Brass Works, assignee: *See*—Krone, Howard C., and Meyer.
- Wheaton, Estel O., assignor to Kelly-Wheaton Company, Toledo, Ohio. Transmission. 2,465,334, Mar. 22.
- Wheel Aligning Necessities, Inc., assignee: *See*—Castiglia, Biagis.
- Wheeldex Manufacturing Co., Inc., assignee: *See*—Houghtaling, Lester R.
- Wheeler, Benjamin F., Haddonfield, N. J., assignor to Radio Corporation of America. Motion-picture continuous film editing system. 2,473,625, June 21.
- Wheeler, C. H., Manufacturing Company, assignee: *See*—Stephanoff, Nicholas N.
- Wheeler, Carl L., Albuquerque, N. Mex. Ski. 2,470,227, May 17.
- Wheeler, Carson M.: *See*—Chevigny, Paul G., and Wheeler.
- Wheeler, Donald H.: *See*—Terry, David E., and Wheeler.
- Wheeler, Foster, Corporation, assignee: *See*—Frisch, Martin.
- Wheeler, Francis E., Pasadena, and C. Zola, Los Angeles, assignors to Aerojet Engineering Corporation, Azusa, Calif. Pressure release. 2,478,958, Aug. 16.
- Wheeler, George F., Longview, Wash. Saw jointer. 2,463,007, Mar. 1.
- Wheeler, Harold A., Alwood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Regulator. 2,462,796, Feb. 22.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Cathode-input signal-translating arrangement. 2,463,229, Mar. 1.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ultra-short-wave signal-translating device. 2,474,608, June 23.
- Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Constant resistance coupling arrangement. 2,475,344, July 5.
- Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Frequency-modulated carrier signal receiver. 2,488,359, Nov. 15.
- Wheeler, Harold D., assignor of one-third to S. D. Wheeler, and one-third to W. Y. Wheeler, Inglewood, Calif. Massage device. 2,478,648, Aug. 9.
- Wheeler, Harold L.: *See*—Scott, Clark W., and Wheeler.
- Wheeler, Harrison S., Sacramento, Calif. Tarpaulin anchor. 2,465,621, Mar. 29.
- Wheeler, Henry F., assignor of one-half to A. E. Gross, Richmond Heights, Mo. Toy bomber. 2,483,164, Sept. 27.
- Wheeler, Henry H., Bellerose, N. Y., assignor to International Cigar Machinery Company. Suction bottom for wrapper carriers. 2,467,172, Apr. 12.
- Wheeler Insulated Wire Company, Incorporated, The, assignee: *See*—Horn, George B., and Youngs.
- Muldoon, William J.
- Wheeler, James T., Atlanta, Ga. Pin-setting machine. 2,479,190, Aug. 16.
- Wheeler, James T., Atlanta, Ga. Collapsible baby carriage. 2,490,988, Dec. 13.
- Wheeler, John, Knox, Ind. Animal trap. 2,471,804, May 31.
- Wheeler, John D., assignor to American Metalcraft Corporation, Detroit, Mich. Wagon. 2,470,061, May 10.
- Wheeler, John W., Grand Island, and H. C. Todd, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft undercarriage. 2,481,635, Sept. 13.
- Wheeler, Myron S., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio communication system. 2,467,793, Apr. 19.
- Wheeler, Phillip Rood, Alexander, Va. Cathode-ray tube gunsight. 2,459,206, Jan. 18.
- Wheeler, Ralph F., Springfield, and E. J. Marciniak, Easthampton, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Golf club. 2,458,920, Jan. 11.
- Wheeler, S. D., assignee: *See*—Wheeler, Harold D.
- Wheeler, Stephen P., Norristown, Pa. Screw driver. 2,474,295, June 28.
- Wheeler, W. V., assignee: *See*—Wheeler, Harold D.
- Wheeler, William H., New York, N. Y. Guidable ski and pole engaging means therefor. 2,490,183, Dec. 6.
- Wheeler, William H., New York, N. Y., and L. B. Wamnes, Aberdeen, Miss., assignors to Airkem, Inc., New York, N. Y. Liquid diffuser. 2,474,605, June 28.
- Wheeler, William H., New York, and L. B. Wamnes, White Plains, assignors to Airkem, Inc., New York, N. Y. Liquid diffuser. 2,474,607, June 28.
- Wheeler, William N., Paris, Ky. Child's vehicle. 2,460,479, Feb. 1.
- Wheeling Steel Corporation, assignee: *See*—Copp, Warren F.
- Cross, Leonard W.
- Wheelock, George L.: *See*—Henson, Robert T., Wheelock, and Riggs.
- Wheelock, Raymond, assignor to J. R. Stanley and M. E. Rose, Los Angeles, Calif. Child's educational toy. 2,474,447, June 28.
- Wheel Trueing Tool Company, assignee: *See*—Bruce, Stanford P.
- Wheelwright, George F., Jr., Westfield, N. J., assignor to The De Laval Separator Company, New York, N. Y. Centrifugal bowl. 2,478,992, Aug. 16.
- Wheildon, William M., Jr.: *See*—Bridgman, Percy W., Kistler, and Wheildon.
- Whelan, Roderick J., and R. A. Reich, assignors to The Ohio Nut & Bolt Company, Berea, Ohio. Captive screw assembly. 2,460,613, Feb. 1.
- Whelchel, Johnny B.: *See*—Wicker, Nolan B., and Whelchel.
- Whelchel, Rupert C.: *See*—Foust, Floyd J., Childress, and Whelchel.
- Wheldon, Theodore, West Englewood, N. J., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y. Photographic color connection method. 2,484,137, Oct. 11.
- Whetstone, Jesse E., Cedar Rapids, Iowa. Hand-operated saw filing device. 2,484,438, Oct. 11.
- Whetstone, John, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Granular or powder explosives and their manufacture. 2,460,375, Feb. 1.
- Whetstone, Richard, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Catalytic polymerization of allyl esters. 2,476,936, July 19.
- Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Cyclic organic compounds. 2,479,283, Aug. 16.
- Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of derivatives of dihydropyran. 2,479,284, Aug. 16.
- Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of cyclopentane carboxyaldehydes and derivatives thereof. 2,480,990, Sept. 6.
- Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Heterocyclic-substituted carbinols. 2,481,377, Sept. 6.
- Whetstone, Richard R., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Hydroxypranyl-oxazines, thiazines, oxazolidines, and thiazolidines and their preparation. 2,490,392, Dec. 6.
- Whetstone, Richard R., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Hydroxypranyl derivatives of hexahydropyrimidines and imidazolidines. 2,490,393, Dec. 6.
- Whichee, Edmund E., Hilton Beach, Ontario, Canada. Vehicle mounted, swingable band-frame, logging saws. 2,476,573, July 19.
- Whidden, William E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound regulator for telephone ringers. 2,468,474, Apr. 26.

- Whinfield, John R.: *See*—
Cook, James G., Dickson, Lowe, and Whinfield.
- Whinfield, John R., Accrington, England, and J. T. Dickson, East Lothian, Scotland, assignors, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymeric linear terephthalic esters. 2,465,319, Mar. 22.
- Whisler, Francis E., Los Angeles, Calif., and H. G. Whisler, Kansas City, Kans. Windmill and advertising structure. 2,466,787, Apr. 12.
- Whisler, Harry G.: *See*—
Whisler, Francis E., and H. G.
- Whisler, Paul A.: *See*—
Bloom, Merle W., and Whisler.
- Whisler, Ralph H., Jr., assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber structure. 2,473,043, June 14.
- Whisman, Claud A., Burbank, Calif. Fishing reel. 2,476,437, July 19.
- Whisnant, John K., Enka, and L. C. Taylor, Candler, assignors to American Enka Corporation, Enka, N. C. Method and apparatus for threading spinning pots. 2,466,872, Apr. 12.
- Whitaker, Charles H. W., Marietta, Ohio, assignor to American Cyanamid Company, New York, N. Y. Manufacture of sodium diethylmetanilate. 2,488,885, Nov. 22.
- Whitaker, Randall J., Newport, R. I. Flexible strip jar cap wrench. 2,481,055, Sept. 6.
- Whitaker, Rolfe E., Los Angeles, Calif. Machine for trimming branches from standing trees. 2,482,392, Sept. 20.
- Whitbeck, Roland A., Lorain, assignor to Gilron Products Company, Cleveland, Ohio. Precoated material and dry lubricating coating composition therefor. Re. 23,184, Dec. 20.
- Whitbeck, Roland A., Lorain, Ohio, assignor to Gilron Products Company. Precoated material and dry lubricating coating composition therefor. 2,470,062, May 10.
- Whitcomb, Gordon P.: *See*—
Klenle, Roy H., and Whitcomb.
- Whitcomb, Keith R., San Diego, Calif. Nickel-manganese-silver alloy. 2,467,544, Apr. 19.
- White, Abraham, Wellesley Hills, T. Hartwell and L. Reynolds, Needham, assignors to Barnstead Still & Sterilizer Co., Inc., Forest Hills, Mass. Fusible safety device for pressure fuel tanks. 2,468,250, Apr. 26.
- White, Adam W., Ruislip, England, assignor to The Hoover Company, North Canton, Ohio. Dynamoelectric machine field core. 2,489,840, Nov. 29.
- White, Adam W., and R. J. Gilson, Greenford, England, assignors to The Hoover Company, North Canton, Ohio. Yoke assembly for dynamoelectric machines. 2,484,259, Oct. 11.
- White, Addison H.: *See*—
Ellis, William C., and La Forge, Jr., and White.
- White, Albert R., Glendale, Calif. Machine and method of making oil filter packs. 2,471,595, May 31.
- White, Alfred B.: *See*—
Slepián, Joseph, and White.
- White, Alfred B., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding system. 2,470,668, May 17.
- White, Alfred B., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for and method of percussive welding. 2,473,927, June 21.
- White, Alfred B., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding system. 2,473,928, June 21.
- White, Alfred G., Catarina, Tex. Grade pitch indicator. 2,486,697, Nov. 1.
- White, Aubrey F., Abington, Mass. Welt and making the same. 2,477,532, July 26.
- White, Blanche B.: *See*—
Seymour, George W., White, and Barabash.
Seymour, George W., White, and Bellucci.
Seymour, George W., White, and Davis.
Seymour, George W., White, and Rosen.
- White, Bradford C., Lexington, assignor to Stone & Webster Engineering Corp., Boston, Mass. Bubble cap securing device. 2,488,249, Nov. 15.
- White Cap Company, assignee: *See*—
Davies, Lynn E.
- White, Charles H., W. P. Oehler, and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Disk harrow latch unit. 2,470,008, May 10.
- White, Charles E., assignor to Abington Textile Machinery Works, Abington, Mass. Pneumatic card stripping mechanism. 2,464,425, Mar. 15.
- White, Charles R., Philadelphia, Pa. Micrometer surface gauge. 2,464,912, Mar. 22.
- White, Charles S.: *See*—
Sabee, Reinhardt N., and White.
- White, Chester M., assignor to Genesee Research Corporation, Rochester, N. Y. Flushing fluid for hydraulic brake systems. 2,469,284, May 3.
- White, Chester M., assignor to Genesee Research Corporation, Rochester, N. Y. Hydraulic pressure transmitting fluid. 2,469,285, May 3.
- White, Claude C., Aberdeen, Md. Mine exploder. 2,489,349, Nov. 29.
- White, David, Company, assignee: *See*—
Rochwite, Seton I.
- White, Edward E.: *See*—
Mayland, Bertrand J., and White.
- White, Edward R., New Rochelle, N. Y. Envelope. 2,469,251, May 3.
- White, Eldridge S., Florence, Ala. Pushcart. 2,474,964, July 5.
- White, Ellis R., Albany, assignor to Shell Development Company, San Francisco, Calif. Stabilized lubricant. 2,491,432, Dec. 13.
- White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Synchronizing pulse reforming system for television relays. 2,492,943, Dec. 27.
- White, Eric L. C., St. Boniface, Richings Way, Iver, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Frequency discriminator circuits. 2,480,799, Aug. 30.
- White, Ernest T.: *See*—
Butcosk, Richard A., and White.
- White, Everett A., assignee: *See*—
White, John T.
- White, Everett H., St. Paul, Minn. Thermostatic control device. 2,472,638, June 7.
- White, Ezekiel F., West Hartford, Conn. Apparatus for dressing grinding wheels. 2,492,722, Dec. 27.
- White, Florence, Bound Brook, N. J. Convertible child's seat and car. 2,460,557, Feb. 1.
- White, Frank L.: *See*—
Brooker, Leslie G. S., and White.
- White, Frank L., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Methine dyes containing an isouquinoline nucleus. 2,466,523, Apr. 5.
- White, Frank O., Edmundston, New Brunswick, Canada. Hydraulic barking machine. 2,473,461, June 14.
- White, Frank S., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Calcining lime bearing sludge. 2,465,410, Mar. 29.
- White, Frederick W., New Brighton, and E. B. Story, Bethel Township, Allegheny County, assignors to A. M. Byers Company, Pittsburgh, Pa. Desulfurizing molten ferrous metal. 2,459,256, Jan. 18.
- White, Geoffrey R.: *See*—
Van Millingen, Reuel D., and White.
- White, George H., Hartford, Conn., assignor to The Gray Manufacturing Company. Adjustable earpiece support. 2,474,135, June 21.
- White, George W., Kenosha, Wis. Mixing faucet. 2,467,065, Apr. 12.
- White, Gerald, Rossford, and W. A. Smith, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Supporting glass sheets during bending. 2,476,169, July 12.
- White, Gerald E., assignor to White Products Corporation, Middleville, Mich. Tank port and coupling. 2,473,689, June 21.
- White, Gifford E., Hempstead, N. Y., assignor to The Sperry Corporation. Pulse-echo volume compensating system. 2,474,875, July 5.
- White, Gifford E., Hempstead, N. Y., assignor to The Sperry Corporation. Pulse receiver system for improved target tracking. 2,480,171, Aug. 30.
- White, Gifford E., W. Hempstead, N. Y., assignor to The Sperry Corporation. Constant speed device. 2,466,756, Apr. 12.
- White, Glen L., Grosse Pointe, and C. H. Diedrich, assignors to Monroe Auto Equipment Company, Monroe, Mich. Vehicle seat construction. 2,470,907, May 24.
- White, Guy McCullough, Macon, Ga. Drill press converter and power take-off for rotary saws. 2,464,660, Mar. 15.
- White, H. N., Company, The, assignee: *See*—
Strupe, Cecil H.
- White, Halbert C.: *See*—
Britton, Edgar C., and White.
Britton, Edgar C., White, and Moyle.
- White, Harold L., San Marino, Calif., assignor to American Pipe and Construction Co. Adapter joint for pipes. 2,461,100, Feb. 8.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Handle control for suction cleaners and the like. 2,461,458, Feb. 8.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Semiautomatic nozzle adjustment for suction cleaners. 2,474,448, June 28.
- White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Thermal timer. 2,486,621, Nov. 1.
- White, Harvey L., Springfield, Ohio. Magnet for electric bulbs. 2,473,626, June 21.
- White, Howard D., assignee: *See*—
White, John T.
- White, James L., Buffalo, and H. W. Hawker, Teague, Tex., said White assignor of one-half of his interest to said Hawker. Apparatus for preparing bast fibrous plants and process. 2,480,067, Aug. 23.
- White, James W., Los Angeles, Calif. Placer mining machine. 2,476,231, July 12.
- White, James W., Roslyn, assignor to Powers Photo Engraving Company, Glen Cove, N. Y. Camera copy board. 2,487,623, Nov. 8.

- White, Jesse O., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of vinyl esters. 2,485,796, Oct. 25.
- White, John A., Jr., assignee: *See*—
Gurries, Albert G., and White.
- White, John G., assignee: *See*—
White, John T.
- White, John T., Palmyra, Mo., assignor of twenty per cent to J. G. White, Ogden, Utah, twenty per cent to E. A. White, Downers Grove, Ill., twenty per cent to H. D. White, Chicago, Ill., and twenty per cent to R. L. White, Palmyra, Mo. Vegetable and fruit eye remover. 2,464,164, Mar. 8.
- White, John U., Darien, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Optical apparatus utilizing light of a wave length above a selected value. 2,485,746, Oct. 4.
- White, John U., Darien, and W. A. Fraser, New Canaan, assignors to The Perkin-Elmer Corporation, Glenbrook, Conn. Making optical elements. 2,464,738, Mar. 15.
- White, John W.: *See*—
Shook, Florian J., White, and Mallory.
- White, Jones C., Swampscott, Mass. Dental kit. 2,481,056, Sept. 6.
- White, Joseph C., University Park, Md., J. H. Baldwin, E. J. Peebles, Washington, D. C., and W. H. Power, Greenbelt, Md. Lead perchloric acid primary cell. 2,492,206, Dec. 27.
- White, Joseph T., Glendora, Miss. Cable lock. 2,482,231, Sept. 20.
- White Laboratories, Inc., assignee: *See*—
Breivogel, Philip J.
- White Laboratories, Incorporated, assignee: *See*—
Sondern, Clarence W.
- White, Le Nada K., administratrix: *See*—
White, Russell G.
- White, Leonard H., Birmingham, Ala. Apparatus for dumping cars. 2,465,502, Mar. 29.
- White, Locke, Jr., Birmingham, Ala., assignor to Southern Research Institute. Photoelectric apparatus for determining the physical properties of substances by alternating exposure to light. 2,486,622, Nov. 1.
- White, Loyd A., Carlsbad, N. Mex. Cam operated clutch. 2,474,876, July 5.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Two-stage liquefied petroleum gas dispensing system. 2,460,168, Jan. 25.
- White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Vapor outlet for truck tanks. 2,460,159, Jan. 25.
- White, Marcus E., Cloquet, assignor of one-half to I. F. Gianotti, Gilbert, Minn. Siding repair jig. 2,464,474, Mar. 15.
- White, Morris C., Mill Valley, Calif. Altimeter. 2,465,775, Mar. 29.
- White Motor Company, The, assignee: *See*—
Brunken, Renke.
- White, Percy, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Bottom filling extruding machine. 2,465,501, Mar. 29.
- White, Philip C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Recovery of hydrocarbon synthesis products. 2,476,788, July 19.
- White Products Corporation, assignee: *See*—
White, Gerald E.
- White, Ralph V.: *See*—
Trigg, Hastings S., Norris, and White.
- White, Ralph V., Pitman, N. J., and H. L. Coonradt, Camp Lee, Va., assignors to Socony-Vacuum Oil Company, Incorporated. Rubberlike reaction product of polysulfide with chlorinated petroleum wax. 2,476,168, July 12.
- White, Robert L., assignee: *See*—
White, John T.
- White, Robert W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Varnishing employing strippable protective coatings. 2,476,937, July 19.
- White, Roger E.: *See*—
Bryant, Herwil M., Dennison, and White.
- White, Roland J., Clayton, Mo., assignor to Curtis-Wright Corporation. Aircraft control. 2,467,793, Apr. 19.
- White, Russell G., deceased, late of Downers Grove, Ill., by L. K. White, administratrix, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave length meter. 2,467,104, Apr. 12.
- White, Sidney Y., Bayside, N. Y., assignor to V. S. Johnson, Chicago, Ill.; V. S. Johnson, Jr., administrator, de bonis non of said V. S. Johnson, deceased. Precision radio tuner. 2,491,347, Dec. 13.
- White, Stanley B.: *See*—
Melvin, Grant C., Jones, and White.
- White, Stanley B., Dayton, Ohio. Radio beacon keying circuit. 2,463,583, Mar. 8.
- White, Stanley E., Saratoga Springs, N. Y. Pendulum type inclinometer. 2,464,911, Mar. 22.
- White, Thomas A., Jackson Heights, assignor to National Starch Products, Inc., New York, N. Y. Manufacture of animal glue jellies. 2,467,715, Apr. 19.
- White, Thomas F., assignor to The Gates Rubber Company, Denver, Colo. Belt. 2,483,716, Oct. 4.
- White, Walter T., New Hyde Park, N. Y., assignor to The Sperry Corporation. Servomotor armature current control. 2,481,550, Sept. 13.
- White, Walter T., and D. H. Courter, Hempstead, N. Y., assignors to The Sperry Corporation. Limit stop system for reversible electric motors. 2,468,149, Apr. 26.
- White, Warren E., Forest Hills, N. Y. Adjusting connector for clotheslines. 2,478,994, Aug. 16.
- White, Wendell H., Oakland, Calif. Open end drum curling attachment for double seamers. 2,475,465, July 5.
- White, William, Newark, N. J. Pin spot marker for bowling alleys. 2,469,219, May 3.
- White, William E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake actuator. 2,463,008, Mar. 1.
- White, William G., Aberdeen, Wash. Pivotal stake and latch therefor. 2,469,023, May 3.
- White, William G., Aberdeen, Wash. Stake bunk. 2,469,093, May 3.
- White, William H., Scituate Harbor, Mass. Necktie. 2,463,230, Mar. 1.
- White, William R.: *See*—
Bowen, William J., and White.
- White, William S., Denver, Colo. Intermittent flush valve. 2,470,798, May 24.
- White, Wilson E., Pontiac, Mich. Floor protector. 2,471,708, May 31.
- Whited, Clarence R., assignee: *See*—
Whited, Milo.
- Whited, John E., Shawnee, Okla. Pipe racking apparatus. 2,470,279, May 17.
- Whited, Milo, assignor of one-half to C. R. Whited, Centralia, Wash. Air power lift. 2,489,065, Nov. 22.
- Whitehall, Earle L., Kankakee, Ill. Game board. 2,482,083, Sept. 13.
- Whitehead Brothers Company, assignee: *See*—
Wallace, Burgess P.
- Whitehead-Craft Corporation, assignee: *See*—
Whitehead, Edward D. F.
- Whitehead, Edward D. F., Chevy Chase, Md., assignor to Whitehead-Craft Corporation, Washington, D. C. Oxchloride cementary material. 2,462,030, Feb. 15.
- Whitehead, Frederick W., and W. G. Lovering, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Honing or the like machine. 2,461,948, Feb. 15.
- Whitehead, Leslie T.: *See*—
Prime, Arthur J., Whitehead, and Hawthorne.
- Whitehead, Leslie T., Farnborough, assignor to Power Jets (Research and Development) Ltd., London, England. Rotor for multistage axial flow compressors and turbines. 2,461,402, Feb. 8.
- Whitehead, Ned, Los Angeles, Calif. Apparatus for laminating articles. 2,490,111, Dec. 6.
- Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Releasing mechanism for time fuses. 2,461,793, Feb. 15.
- Whitehead, William, Forest Hills, N. Y., assignor to Celanese Corporation of America. Ribbon. 2,467,449, Apr. 19.
- Whitehead, William, Forest Hills, N. Y., assignor to Celanese Corporation of America. Precision measuring instrument having a thread for a motion transmission link. 2,468,906, May 3.
- Whitehead, William, Forest Hills, N. Y., and J. B. Steiding, Midland, Md., assignors to Celanese Corporation of America. Treatment of textile material. 2,487,841, Nov. 15.
- Whitehill, Lynwood N.: *See*—
Shokal, Edward C., and Whitehill.
- Shokal, Edward C., Whitehill, and Wittenwyler.
- Whitehouse, Irving P., South Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Lead coating process. 2,484,540, Oct. 11.
- Whitehouse, Zebulon W., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Motor control. 2,468,609, Apr. 26.
- Whiteley, Bona M., Portland, Oreg. Two-way plow. 2,476,522, July 19.
- Whiteley, Fred H., Kansas City, Kans. Motion-picture projecting system. 2,460,864, Feb. 8.
- Whiteman, Irvin, Philadelphia, Pa., and C. C. Davenport, Los Angeles, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Aircraft power plant apparatus. 2,487,842, Nov. 15.
- Whiteside, Glenn H., Excelsior Springs, Mo. Crash switch and valve means for vehicles. 2,482,890, Sept. 27.
- Whiteside, Robert S., Scarsdale, N. Y., and C. H. Allen, Cincinnati, Ohio, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Benzoyl peroxide bleaching composition. 2,460,439, Feb. 1.
- Whitfield, Joseph E., Hamilton, Ohio. Housing joint. 2,460,957, Feb. 8.
- Whitfield, Joseph E., Hamilton, Ohio. Rotor generating. 2,473,233, June 14.
- Whitfield, Joseph E., Hamilton, Ohio. Helical asymmetrical thread forms for fluid devices. 2,473,234, June 14.
- Whitfield, Joseph E., Hamilton, Ohio. Helical rotary fluid handling device. 2,480,818, Aug. 30.
- Whitfield, Joseph E., Hamilton, Ohio. Arc generated thread form for helical rotary members. 2,486,770, Nov. 1.

- Whitfield, Marshall G., Garden City, assignor, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Manufacture of laminated articles. 2,481,962, Sept. 13.
- Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft laying needle mechanism for Axminster looms. 2,477,357, July 26.
- Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector for shuttle changing looms. 2,488,950, Nov. 22.
- Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector for looms. 2,488,951, Nov. 22.
- Whitin Machine Works, assignee: *See*—
Dudley, John S., and Brandt.
Helland, Sigurd H.
Schlums, Otto W.
West, George.
- Whiting Corporation, assignee: *See*—
Cress, William C.
Fisher, Ernest F.
Hokanson, Evert C.
Holmes, Louis D.
- Whiting, Esther J.: *See*—
Avallone, Samuel C., Harris, and Whiting.
- Whiting, Howard R., Battle Creek, Mich. Wheel flange lubricator. 2,489,442, Nov. 29.
- Whiting, Leo R., Woodbridge, N. J., assignor to Bakelite Corporation. Modified drying oil compositions, making the same, and coating and unting sheet materials therewith. 2,480,206, Aug. 30.
- Whiting, Leo R., East Orange, N. J., and M. V. Goodyear, Pittsburgh, Pa., assignors to Bakelite Corporation. Hydroxylated vinyl resin reacted with chromium trioxide and phosphoric acid. 2,488,651, Nov. 22.
- Whiting Machine Works, assignee: *See*—
Hare, Richard C.
- Whiting, William A., Long Beach, Calif. Pipe joint. 2,477,533, July 26.
- Whitledge, Edgar R., Mantua, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Rotary tool. 2,484,364, Oct. 11.
- Whitley, Record R., Texas City, Tex. Automatic controlling means for fractionating towers. 2,467,951, Apr. 19.
- Whitlock, Rex S., Dayton, Ohio. Aiming and fire control system. 2,472,136, June 7.
- Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration method and system having provision for the return of purged gas. 2,473,385, June 14.
- Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Apparatus for and method of returning purged inert gas to an absorption refrigerating system. 2,480,530, Aug. 30.
- Whitman, George F.: *See*—
Marker, Charles W., Jr., and Whitman.
- Whitman, Gerald M.: *See*—
Johnson, John R., and Whitman.
- Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic production of oxo-carbonyl compounds. 2,462,448, Feb. 22.
- Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1,4-dicyano-2-butene. 2,477,674, Aug. 2.
- Whitman, Gerald M., Claymont, and S. L. Scott, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylene. 2,467,245, Apr. 12.
- Whitman, Nelson: *See*—
Detrick, Stanley R., Lockwood, and Whitman.
- Whitmore, Henry G., Newburyport, Mass. Cutting machine. 2,475,558, July 5.
- Whitmore, James B., Bloomfield, and L. D. Morand, Clifton, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method and machine for feeding ring contacts in base making. 2,486,085, Oct. 25.
- Whitmore, Paul G., Pine Bluff, Ark. Variable-rate electric meter. 2,469,673, May 10.
- Whitney, Blake, Company, The, assignee: *See*—
Ingmanson, John H.
Lines, Harold A.
- Whitney, Eugene C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fly-wheel motor-generator control. 2,484,260, Oct. 11.
- Whitney, Eugene C., and R. Erhard, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Neutralizing winding for dynamo-electric machines. 2,484,261, Oct. 11.
- Whitney, F. A., Carriage Company, assignee: *See*—
Shaw, Harold F.
- Whitney, Glenn R., Chicago, Ill. Flow regulator. 2,481,705, Sept. 13.
- Whitney, Guy H., Bangor, Maine. Door locking mechanism. 2,481,459, Sept. 6.
- Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Brake beam and making. 2,475,167, July 5.
- Whitney, Lyman F., Cambridge, Mass., assignor by mesne assignments, to Stator Corporation, Providence, R. I. Pressure cooker. 2,472,451, June 7.
- Whitney, Lyman F., Cambridge, assignor to Isthmian Metals, Inc., Boston, Mass. Carburetor compacted iron articles. 2,489,839, Nov. 29.
- Whitney, Lyman F., Cambridge, assignor to Isthmian Metals, Inc., Boston, Mass. Heat-treating iron steel body. 2,491,238, Dec. 13.
- Whitney, Mark O., Roselle, N. J. Tie rack. 2,492,607, Dec. 27.
- Whitney, Roy, Decatur, Ill. Tapering clip for hair clip-pers. 2,470,594, May 17.
- Whitney, Wiley: *See*—
Dehn, Joseph W., and Whitney.
- Whitson, Mercer L., Norfolk, and H. H. Harcum, Portsmouth, Va. Expandable mandrel. 2,460,325, Feb. 1.
- Whitson, William L., Takoma Park, Md., assignor to the United States of America as represented by the Secretary of War. Stadia type range finder having a transparent reflector and two mirrors making small but different fixed angles with the reflector. 2,486,453, Nov. 1.
- Whittaker, Alvin, Burbank, Calif. Folding box. 2,461,618, Feb. 15.
- Whittaker, Beulah, assignee: *See*—
Phillips, Delbert L.
- Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas-cleaning means. 2,462,797, Feb. 22.
- Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Traction motor protective system. 2,467,794, Apr. 19.
- Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for operating trolley frogs. 2,492,023, Dec. 20.
- Whittaker, Charles C., and W. H. Eunsom, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pipe joint. 2,488,460, Nov. 15.
- Whittaker, Charles E.: *See*—
Goodwin, John S., and Whittaker.
Smith, Edward M., Whittaker, and Goodwin.
- Whittaker, William R., assignee: *See*—
Phillips, Delbert L.
- Whittaker, Wm. R., Co., Ltd., assignee: *See*—
Phillips, Delbert L.
- Whittaker, William S., assignee: *See*—
Phillips, Delbert L.
- Whittam, Albert, assignor of one-half to John Haig & Company, Limited, Markinch, Scotland. Nonrefillable bottle closure. 2,472,182, June 7.
- Whittemore, Leslie E., Dorchester, Mass. Telescope sight mount for firearms. 2,479,886, Aug. 23.
- Whitten, John W., Jr.: *See*—
Rieves, Howard E.
- Whitten, Owen M., Detroit, Mich., assignor to Empire Electric Brake Company, Newark, N. J. Booster brake mechanism. 2,462,015, Feb. 15.
- Whittingham, Barron S., assignor to Biotic Research Institute, Inc., New York, N. Y. Penicillin-pectin composition and manufacture. 2,481,804, Sept. 13.
- Whittingham, Barron S., assignor to Biotic Research Institute, Inc., New York, N. Y. Penicillin-pectin compositions. 2,481,805, Sept. 13.
- Whittingham, David J., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic pressure control means. 2,460,664, Feb. 1.
- Whittingham, David J., Watertown, N. Y., assignor to The New York Air Brake Company. Seal for resisting high pressures. 2,462,586, Feb. 22.
- Whittingham, David J., Watertown, N. Y., assignor to The New York Air Brake Company. Pump. 2,472,355, June 7.
- Whittington, Paul E.: *See*—
Duff, Thomas M., and Whittington.
- Whittle, Charles E., assignor to Tidewater Equipment Co., Brunswick, Ga. Hand-guided power-driven two-wheeled portable saw. 2,480,893, Sept. 6.
- Whittle, Frank, Rugby, assignor to Power Jets (Research Development) Limited, London, England. Compressor. 2,489,692, Nov. 29.
- Whittle, George V., U. S. Navy. Finger patch. 2,463,584, Mar. 8.
- Whittlesey, John V., Roselle, N. J., assignor to Standard Oil Development Company. Rectification. 2,476,010, July 12.
- Whitworth, Edward, West Kilbride, and J. C. Hornel, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Stabilized blasting explosive composition. 2,470,733, May 17.
- Whitworth, W. G. Armstrong, Sir, Aircraft Limited, assignee: *See*—
Lloyd, John.
Lloyd, John, and Murray.
- Whyte, Daniel D., assignee: *See*—
Whyte, Stanley, and Daniel D.
- Whyte, John, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Expandable curling rod. 2,474,449, June 28.
- Whyte, Stanley, and D. D., New York, N. Y., said S. Whyte assignor to said D. D. Whyte. Polymerization. 2,485,798, Oct. 25.

- Wiberg, Erik A., and E. H. Paulander, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Contact selecting finger for crossbar switches. 2,476,789, July 19.
- Wiberg, Oscar A., Finspong, Sweden. Slide rule. 2,460,558, Feb. 1.
- Wiberg, Oscar A., Finspong, Sweden. Axial flow turbine blade structure. 2,463,340, Mar. 1.
- Wichmann, John C. and N. O., Los Angeles, Calif. Gasoline conserving power increasing vaporizer. 2,477,708, Aug. 2.
- Wichmann, Nell O.: *See*—
Wichmann, John C. and N. O.
- Wichorek, Edmund F., Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Pump with pressure loaded stepped bushing. 2,472,031, May 31.
- Wickenden, Leonard, Westport, Conn. Filtering process. 2,470,202, May 17.
- Wickenden, Leonard, Westport, Conn. Filter. 2,470,203, May 17.
- Wickens, Clarence W., Portland, Oreg. Wiggler. 2,472,639, June 7.
- Wicker, Charles A., Selma, Ala. Mounting for tandem springs for trucks. 2,471,992, May 31.
- Wicker, Dan B., Dunbar, and C. W. Cox, St. Albans, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for handling liquid suspensions. 2,472,324, June 7.
- Wicker, Dan B., Dunbar, and E. L. Coe, Nitro, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Spinneret for the production of viscose filaments. 2,492,451, Dec. 27.
- Wicker, Dan B., Dunbar, and E. L. Coe, Nitro, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for spinning artificial filaments. 2,492,452, Dec. 27.
- Wicker, Joseph, Chicago, Ill. Work holder fixture. 2,469,094, May 3.
- Wicker, Nolan B., and J. B. Whelchel, Joanna, S. C. Sanitary shower stall. 2,478,348, Aug. 9.
- Wickersham, Charles L., Pittsburgh, Pa., and J. A. Hyle, Detroit, Mich. Tie check. 2,463,665, Mar. 8.
- Wickersham, Frederick O., Chicago, Ill. Projector for bowling balls. 2,490,288, Dec. 6.
- Wickizer, Gilbert S., and E. N. Brown, Riverhead, N. Y., assignors to Radio Corporation of America. Thermocouple with radiating fins. 2,473,627, June 21.
- Wickless, William J., assignor to Price Electric Corporation, Frederick, Md. Time-delay relay. 2,488,842, Nov. 22.
- Wickman, A. C. Limited, assignee: *See*—
Wickman, Axel C.
- Wickman, Axel C., assignor to A. C. Wickman Limited, Coventry, England. Producing a sintered abrasive body. 2,471,132, May 24.
- Wickman, Helmer W., and G. A. J. Racine, assignors to Heywood-Wakefield Company, Gardner, Mass. Antitip construction for baby carriages. 2,469,909, May 10.
- Wicks, Gerald C., Buenos Aires, Argentina. Electric water heater. 2,471,133, May 24.
- Wickstrom, Gustav J.: *See*—
Wagner, Herbert W., and Wickstrom.
- Wickwire, Bertram N., Westchester, N. Y. Illuminating attachment for compacts. 2,480,800, Aug. 30.
- Wico Electric Company, assignee: *See*—
Brownlee, Allen L.
Brownlee, Allen L., and Alstrom.
Brownlee, Allen L., and McGrevy.
- Wiczor, Sol B., Washington, D. C. Metallic coatings. 2,463,342, Mar. 1.
- Wiczor, Sol B., Washington, D. C., and V. R. Kokatnur, New York, N. Y. Method and apparatus for emulsifying fuels. 2,461,580, Feb. 15.
- Widdicomb, John, Company, assignee: *See*—
Herts, Jack H. B.
- Widell, Charles: *See*—
Anschicks, Rudolph J., Widell, and Mantsh.
- Widenmann, John A.: *See*—
Sutton, George P., Wolfe, and Widenmann.
- Widerberg, Oscar A., and W. A. Wallsten, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Apparatus for refinishing tampico rolls and brushes. 2,469,095, May 3.
- Widerstedt, Alfred W.: *See*—
Christian, Rodney E., and Widerstedt.
- Widetsky, Robert, Los Angeles, assignor, by mesne assignments, to S. G. and R. R. Kaplan, doing business as Ronny Mfg. Co., Los Angeles, Calif. Baby sleeper. 2,465,622, Mar. 29.
- Widgery, William M., assignor to Westland Aircraft Limited, Yeovil, England. System for controlling the pressure in the cabin of an aircraft or the like. 2,473,117, June 14.
- Widgery, William M., and S. T. A. Richards, Yeovil, England, assignors, by mesne assignments, to The Garrett Corporation, Los Angeles, Calif. Pressure control apparatus for aircraft pressure cabins and the like. 2,463,487, Mar. 1.
- Widiger, Alexander H., Jr., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of diphenylamine. 2,476,170, July 12.
- Widing, Lars A.: *See*—
Danielsson, Borje K., and Widing.
- Widman, Erwin R., New York, N. Y. Refrigerator cabinet. 2,490,494, Dec. 6.
- Widmer, Willy: *See*—
Felix, Friedrich, Heckendorn, and Widmer.
Mayer, Hans, and Widmer.
- Widmer, Willy, Bottmingen, and H. Mayer, Basel, Switzerland, assignors to Ciba Limited. Carrying out coupling reactions. 2,475,265, July 5.
- Widmer-Steiner, Jean, Granges, Switzerland. Shockproof watch bearing retainer. 2,489,552, Nov. 29.
- Wieden, Herbert J., Los Angeles, P. C. Traphagen, Pasadena, and E. F. Stoner, Los Angeles, Calif., assignors, by mesne assignments, to General American-Duryea Corporation, Chicago, Ill. Convertible ice bunker. 2,474,563, June 28.
- Wiedenbeck, Lee: *See*—
Sturgeon, Edward G., von Valtier, Wiedenbeck, and Butler.
- Wiedenhoft, Arthur E., Chicago, Ill., assignor, by mesne assignments, to Mitchell Manufacturing Company. Support for adjustable lighting fixtures. 2,458,967, Jan. 11.
- Wieder, Ferd W., Berkeley, Calif., assignor to Stauffer Chemical Company. Producing insecticidal compositions containing relatively small quantities of 2,2-bis (p-chlorophenyl)-1,1,1-trichloroethane. 2,491,632, Dec. 20.
- Wiederman, Arthur S., assignor to R. Wiederman, Brooklyn, N. Y. Quick-acting closure for openings in ships' bulkheads, decks, and walls. 2,468,251, Apr. 26.
- Wiederman, Rose, assignee: *See*—
Wiederman, Arthur S.
- Wiedman, Edward L., Tonawanda, N. Y. Snowplow. 2,468,950, May 3.
- Wiedman, Edward L., Tonawanda, N. Y. Device for admitting preheated secondary air into furnace fireboxes. 2,488,152, Nov. 15.
- Widowson, Emery R., Pocatello, Idaho, assignor to Valco Manufacturing Co., Chicago, Ill. Bridge for fretted stringed musical instruments. 2,491,788, Dec. 20.
- Wiegand, Albert P., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,462,016, Feb. 15.
- Wiegand, Clarence J.: *See*—
Luhring, Elmer D., and Wiegand.
- Wiegand, Clyde E.: *See*—
Segre, Emilio G., and Wiegand.
- Wiegand, Edwin L., Company, assignee: *See*—
Calhoun, John V.
Cappell, Charles W.
Gordon, George H.
Temple, Sidney J.
Wiegand, Albert P.
- Wiegand, Francis J.: *See*—
Rabazzana, Hector, and Wiegand.
- Wiegand, Francis J., Ridgewood, and R. W. Scott, Packanack Lake, N. J., assignors to Wright Aeronautical Corporation. Double-boost venturi construction. 2,482,528, Sept. 20.
- Wiegand, John J., Chicago, Ill. Smoker's stand. 2,477,534, July 26.
- Wiegand, John R., New Hyde Park, N. Y. Interceptor transformer. 2,479,656, Aug. 23.
- Wiegerink, James G., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying. 2,490,938, Dec. 13.
- Wiegert, Wallace A., and E. W. Dunham, Floral Park, N. Y. Mounting wall and ceiling paneling. 2,469,252, May 3.
- Wiener, Jav D., Pacific Palisades, Calif. Portable telephone extension. 2,488,153, Nov. 15.
- Wiener, Norton: *See*—
Cutler, Stanley, and Wiener.
- Wiese, Lee O., Perry, Iowa. Combined plow point and clearance gauge. 2,490,893, Dec. 13.
- Wiesman, Clarence K., assignor to Armour and Company, Chicago, Ill. Packaging bacon and the like. 2,466,191, Apr. 5.
- Wiesner, Jerome B.: *See*—
Smullin, Louis D., and Wiesner.
- Wiest, Edward H., Sr., Indianapolis, Ind. Rain alarm. 2,482,448, Sept. 20.
- Wiget, Georg, assignor to Aktiengesellschaft Adolph Saurer, Arbon, Switzerland. Driving arrangement for looms. 2,477,709, Aug. 2.
- Wiggers, Edna M., Jackson Heights, assignor of fifty per cent to C. Lodes, Yonkers, N. Y. Safety culinary knife. 2,487,624, Nov. 8.
- Wiggins, Alpha M.: *See*—
Johnson, Harwick, Landon, and Wiggins.
- Wiggins, Glenn F., Palo Alto, Calif. Portable garment holder or hanger. 2,470,879, May 24.
- Wiggins, John H., Chicago, Ill. Floating roof for liquid storage tanks. 2,460,053, Jan. 25.
- Wiggins, John H., Chicago, Ill. Tank bottoms equipped with improved means for testing seams and recovering leakage from same. 2,460,054, Jan. 25.
- Wiggins, John H., Chicago, Ill. Sealing device fender for fluid containers. 2,478,730, Aug. 9.
- Wiggins, John H., Chicago, Ill. Gas holder. 2,478,731, Aug. 9.
- Wiggins, John H., Chicago, Ill. Liquid-sealed lifter roof for liquid storage apparatus. 2,481,184, Sept. 6.
- Wiggins, John H., Chicago, Ill. Dry seal pressure type gas holder. 2,487,998, Nov. 15.

- Wigginton Company, The, assignee: *See*—
Simkins, Leon L.
- Wiggs, James W.: *See*—
Hensel, Franz R., Wiggs, and Heil.
- Wight, Sedgwick N.: *See*—
Field, Oscar S., and Wight.
Field, Oscar S., Wight, and Hewes.
Field, Oscar S., Wight, and Saint.
- Wight, Sedgwick N., and O. S. Field, assignors to General Railway Signal Company, Rochester, N. Y. Airways traffic control system. 2,459,399, Jan. 18.
- Wight, Sedgwick N., and O. S. Field, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,463,095, Mar. 1.
- Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Mechanism for adjusting shaft end play. 2,471,180, May 24.
- Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Bearing mounting. 2,473,267, June 14.
- Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Fluid seal. 2,478,649, Aug. 9.
- Wig, Rasmüs C. Ø., Svarstad, Norway. Determination of the content of a mineral in ores and the like. 2,489,066, Nov. 22.
- Wiitala, Elmer, assignor of 33⅓% to R. Wiitala and 33⅓% to L. Mannila, Kaleva, Mich. Fishing device. 2,459,401, Jan. 18.
- Wiitala, Reino, assignee: *See*—
Wiitala, Elmer.
- Wijnsman, Johannes, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Revolver-type reciprocating piston engine. 2,475,770, July 12.
- Wilber, Arthur L., Cleveland, Ohio. Flexible drive for drills. 2,487,203, Nov. 8.
- Wilber, Joe A.: *See*—
La Scala, Michael P., and Wilber.
- Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.
- Wilbur, Chester E., assignee: *See*—
Goodspeed, Charles F.
- Wilbur, Donald A., Troy, N. Y., assignor to General Electric Company. Electrical discharge device. 2,462,699, Feb. 22.
- Wilbur, Everett T.: *See*—
Gardner, Benjamin R., Wilbur, and Aukerman.
- Wilbur, Lawrence S., Chicago, Ill. Cooking heat control plate assembly. 2,478,614, Aug. 9.
- Wilbur, Paul C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Vented cooker valve. 2,468,794, May 3.
- Wilburn, Frank, Los Angeles, Calif. Ultra high frequency tuner. 2,482,393, Sept. 20.
- Wilby, Edward W.: *See*—
Jones, Horace R., and Wilby.
- Wilcock, Donald F.: *See*—
Sprung, Murray M., and Wilcock.
- Wilcock, Donald F., Saugus, Mass., assignor to General Electric Company. Liquid polysiloxane lubricants. 2,471,850, May 31.
- Wilcock, Donald F., Saugus, Mass., assignor to General Electric Company. Liquid linear methylpolysiloxanes. 2,491,843, Dec. 20.
- Wilcock, Donald F., and E. G. Chace, Schenectady, N. Y., assignors to General Electric Company. Vacuum pump. 2,469,889, May 10.
- Wilcox, Albert R., Washington, D. C. Jet propelled helicopter rotor. 2,462,587, Feb. 22.
- Wilcox, Charles D., Hemet, Calif. Collapsible baby walker. 2,478,516, Aug. 9.
- Wilcox, Doyle E., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Computer. 2,468,150, Apr. 26.
- Wilcox, Earl, Jr., Grand Junction, Colo. Adjustable hitch clamp. 2,474,078, June 21.
- Wilcox, Edward, Timperley, Altrincham, assignor to Edward Wilcox & Co., Limited, Wythenshawe, Manchester, England. Electric fuse. 2,481,893, Sept. 13.
- Wilcox, Edward, & Co., Limited, assignee: *See*—
Wilcox, Edward.
- Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.
- Wilcox, Granville M., Lincoln, and M. L. Grant, Providence, R. I.: said Wilcox assignor to said Grant. Coin collector selective apparatus. 2,458,234, Jan. 4.
- Wilcox, Hiram S., Towanda, Pa. Safety mechanism for firearms. 2,484,977, Oct. 18.
- Wilcox, Howard A.: *See*—
Marlowe, Elbert W., and Wilcox.
- Wilcox, Howard M.: *See*—
Ludwig, Leon R., Wilcox, and Leitzel.
- Wilcox, Isaac L.: *See*—
Hornung, Raymond H., and Wilcox.
- Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Container. 2,471,017, May 24.
- Wilcox, John E., Jr., Los Angeles, Calif. Photographic synchronizer tester. 2,461,403, Feb. 8.
- Wilcox, Leon J., Westfield, N. J., assignor to Standard Oil Development Company. Fabrication of conduits for corrosive fluids. 2,462,699, Feb. 22.
- Wilcox, Marion J.: *See*—
Hall, Ralph E., and Wilcox.
- Wilcox, Marion J., Harvey, Ill., and R. E. Hall, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y. Fluidized catalytic conversion of hydrocarbons. 2,471,084, May 24.
- Wilcox, Marion J., Harvey, Ill., and R. E. Hall, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y. Fluid catalyst process for the conversion of hydrocarbons. 2,471,085, May 24.
- Wilcox, Paul W., Lansdowne, and B. J. Jatul, Norwood, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Clear aqueous solutions of tyrothricin. 2,472,640, June 7.
- Wilcox, William H., assignor to California Cedar Products Company, Stockton, Calif. Loaded slat unit forming machine. 2,492,250, Dec. 27.
- Wild, Alfred: *See*—
Busch, Fred, and Wild.
- Wild, Alfred, Milwaukee, Wis. Portable electric heater. 2,492,774, Dec. 27.
- Wild-Barfield Electric Furnaces, Limited, assignee: *See*—
Greene, George H. S.
- Wild, John J., assignor of one-half to A. E. Carlsen, Minneapolis, Minn. Intubator apparatus for intestinal intubations. 2,489,067, Nov. 22.
- Wild, Otto, Jr., West Hartford, Conn. Price wheel setting mechanism. 2,461,488, Feb. 8.
- Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,464,193, Mar. 8.
- Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Sensitivity equalizing circuit for control apparatus. 2,473,401, June 14.
- Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cathode-ray indicator. 2,474,177, June 21.
- Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring apparatus. 2,476,267, July 12.
- Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus. 2,487,010, Nov. 1.
- Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus. 2,490,010, Nov. 29.
- Wild, Rudolf F., Wilmington, Del., and L. Stanton, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system with stray signal elimination. 2,475,576, July 5.
- Wildbore, Wilfred J. L., and J. M. Keenan, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Wire lapping or like machine. 2,471,469, May 31.
- Wilde, Arthur E., Jr., West Caldwell, N. J., assignor to Curtiss-Wright Corporation. Suppression of radio-frequency noise voltages. 2,490,329, Dec. 6.
- Wilde, Arthur E., Jr., West Caldwell, N. J., assignor to Curtiss-Wright Corporation. Aircraft antenna system. 2,490,330, Dec. 6.
- Wilde, Frederick G.: *See*—
Sullivan, Harry H., Sullivan, and Wilde.
- Wilde, Robert L., Englewood, Colo. Eccentric rotor for vibrating devices. 2,479,799, Aug. 23.
- Wilder, Cecil L., and H. A. Klumb, assignors to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,472,996, June 14.
- Wilder, Edward A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Treating ouricury wax and resulting composition. 2,471,805, May 31.
- Wilder, Edward A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Sugar-cane wax production. 2,490,722, Dec. 6.
- Wilder, Richard S., Roslyn, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of carboxy-polyanthrimides. 2,478,959, Aug. 16.
- Wilder, Warren, and H. Horlacher, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled milling machine. 2,473,741, June 21.
- Wildern, William J., assignor to Detroit Brass & Malleable Works, Detroit, Mich. Valve. 2,468,281, Apr. 26.
- Wildern, William J., assignor to Detroit Brass & Malleable Works, Detroit, Mich. Valve. 2,491,239, Dec. 13.
- Wildhaber, Ernest, Brighton, N. Y. Blade pitch adjustment. 2,460,559, Feb. 1.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and apparatus for producing clutches and the like. 2,464,913, Mar. 22.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Cutting toothed clutches and couplings. 2,464,914, Mar. 22.
- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Producing face clutches. 2,464,915, Mar. 22.

- Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Index mechanism. 2,477,105, July 26.
- Wildhack, William A., Arlington, Va. Leak tester. 2,466,757, Apr. 12.
- Wildhack, William A., Arlington, Va. Liquid oxygen pumping system. 2,467,413, Apr. 19.
- Wildman, John W. R., Jr., Overland Park, Kans., assignor to Phillips Petroleum Company. Removal of siliceous materials from hydrocarbon mixtures. 2,463,930, Mar. 8.
- Wildman Mfg. Co., assignee: *See*—
Howie, Kenneth.
- Wildt and Company Limited, assignee: *See*—
Holmes, Henry H.
- Wiley, Carl A., Xenia, Ohio. Device for controlling oscillating circuits. 2,473,556, June 21.
- Wiley, Clifford J., Winslow, Ariz., B. H. Canady, Huntington Park, Calif., and P. H. Brooks, Winslow, Ariz. Auxiliary spring mounting for vehicles. 2,468,387, Apr. 26.
- Wiley, Fred E., West Hartford, assignor to Plax Corporation, Hartford, Conn. Deep drawing organic plastic. 2,468,697, Apr. 26.
- Wiley, Max R., Wichita, Kans. Variable incidence wing control for aircraft. 2,461,669, Feb. 15.
- Wiley, Oscar B., administrator: *See*—
Brown, Maurice J.
- Wiley, Richard H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl phosphonocarbonylate esters and polymers thereof. 2,478,441, Aug. 9.
- Wiley, Ross E., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Apparatus for completing wells. 2,492,079, Dec. 20.
- Wiley, Verlis H., Kenmore, assignor to Colonial Radio Corporation, Buffalo, N. Y. Signal seeking receiver. 2,491,942, Dec. 20.
- Wiley, Viola, Los Angeles, Calif. Combined brassière and slip construction. 2,482,994, Sept. 27.
- Wilhelm, Audrey, assignee: *See*—
Gaither, Sam B.
- Wilhelm, Loomis G., Henryetta, Okla., assignor to Lock Joint Pipe Company, East Orange, N. J. Pipe. 2,470,009, May 10.
- Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Illuminated eyeshield. 2,477,915, Aug. 2.
- Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Bench drill stand. 2,477,916, Aug. 2.
- Wilhide, Glenn C., Towson, Md., assignor to The Black & Decker Manufacturing Company. Switch assembly for portable electric tools. 2,487,011, Nov. 1.
- Wilke, Milton E., assignor to Burgess Battery Company, Freeport, Ill. Flat-type dry cell. 2,480,531, Aug. 30.
- Wilken, James H., Darlinghurst, Sydney, New South Wales, Australia. Display figure. 2,468,476, Apr. 26.
- Wilkenfeld, Myer, Brooklyn, N. Y. Cuff for trousers. 2,480,276, Aug. 30.
- Wilkening, Frederick W., Narberth, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Apparatus for making piston rings. 2,467,414, Apr. 19.
- Wilkening Manufacturing Company, assignee: *See*—
Wilkening, Frederick W.
- Wilker, Samuel, Norwalk, Conn. Adjustable waistband in pajama trousers. 2,482,644, Sept. 20.
- Wilkinson, Claude A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Solvent extraction of penicillin culture liquors. 2,471,597, May 31.
- Wilkinson, Louie, Pine Bluff, Ark. Lawn mower attachment. 2,491,885, Dec. 20.
- Wilkes, Benjamin G., Jr., Wilkinsburg, Pa., assignor to Carbide and Carbon Chemicals Corporation. Preparation of piperazine. 2,479,657, Aug. 23.
- Wilkes, Donald P., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical heating unit. 2,472,930, June 14.
- Wilkes, Hilbert G.: *See*—
Grignon, Lorin D., and Wilkes.
- Wilkes, William H., Florence, assignor to Wm. R. Thropp & Sons Co., Trenton, N. J. Roll grinder and polisher. 2,461,459, Feb. 8.
- Wilkie, Harry, Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Dual channel gain control. 2,477,028, July 26.
- Wilkie, Harry, Dayton, and F. L. Moseley, Osborn, Ohio. Radio range system. 2,471,470, May 31.
- Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Sliver collecting means. 2,478,960, Aug. 16.
- Wilkins, E. J., Company, assignee: *See*—
St. Thomas, William H.
- Wilkins, Floyd V.: *See*—
Kent, Frederick J., and Wilkins.
- Wilkinson, Claude K., U. S. Navy. Engine noise equipment. 2,459,860, Jan. 25.
- Wilkinson, Donald G., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. 4:7-dichloro-(2:1)-naphthindole-2:2'-(2':1')-naphthathionaphthene indigo. 2,472,956, June 7.
- Wilkinson, Francis C.: *See*—
Kreissler, Earl E., and Wilkinson.
- Wilkinson, Joseph M., Jr.: *See*—
Vogt, Curt G., and Wilkinson, Jr.
- Wilkinson, Joseph M., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Esterification of aryl vinyl compounds. 2,485,125, Oct. 18.
- Wilkinson, Peter A.: *See*—
Bide, Austin E., Nicholls, and Wilkinson.
- Wilkinson Rubber Linatex Limited, assignee: *See*—
McIntyre, Frank.
- Wilkinson, Russell R.: *See*—
Paul, Benjamin F., and Wilkinson.
- Wilkinson, Stanley, Norton, assignor to Winslow Bros. & Smith Co., Boston, Mass. Carding method and machine. 2,478,799, Aug. 9.
- Wilkinson, Walter G., Woodlawn, assignor to The Glenn L. Martin Company, Middle River, Md. Apparatus for making axonometric drawings. 2,462,150, Feb. 22.
- Wilkinson, Watkins W., and C. K. Smith, Corpus Christi, Tex. Clothesline post. 2,469,805, May 10.
- Wilkinson, William: *See*—
Jensen, Evan A., and Wilkinson.
- Wilks, Geoffrey L., Esher, England. Tanning machine. 2,486,623, Nov. 1.
- Wilks, Roy C., South Yarra, Victoria, Australia. Tuning means for radio receivers and the like. 2,479,658, Aug. 23.
- Wilks, Wilbur S.: *See*—
Miller, Carl H., and Wilks.
- Will, Conrad W., Fortuna, Calif. Wheel truck having a forward swingable and adjustable wheeled support. 2,485,797, Oct. 25.
- Will, Victor R., Sacramento, Calif. Gradeometer. 2,483,029, Sept. 27.
- Willach, Bernhard: *See*—
Rose, Alexander D., and Willach.
- Willamette Hyster Company, assignee: *See*—
Dimick, Henry N.
- Willard-Anderson Company, assignee: *See*—
Smith, Edwin A.
- Willard, Carl L. and J. J., Lynwood, Calif. Feed helix. 2,492,249, Dec. 27.
- Willard, Donald E., Danville, Ill. Air compressor. 2,492,547, Dec. 27.
- Willard, Edwin R., Arlington, Va. Computer. 2,468,582, Apr. 26.
- Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for measuring pressure. 2,458,665, Jan. 11.
- Willard, J. J.: *See*—
Willard, Carl L. and J. J.
- Willard, Robert E., assignor to D. E. Stem, San Francisco, Calif. Device for magnetically trapping metal particles. 2,464,628, Mar. 15.
- Willard Storage Battery Company, assignee: *See*—
Altmayer, Frank.
- Willas, Albert L., Chicago, Ill. Muffler with plural expansion chambers. 2,476,470, July 19.
- Willcox, Frederick P., Vestal, N. Y. Chamfering tool. 2,468,475, Apr. 26.
- Willcox, Frederick P., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Operating mechanism for symmetrical opening camera shutters. 2,492,723, Dec. 27.
- Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Hirsch, George B.
- Willcox, William L., Miami, Fla. Switch for service indicator. 2,492,408, Dec. 27.
- Willens, Louis A., Los Angeles, Calif. Sadiron rest for ironing boards. 2,482,957, Sept. 27.
- Willer, Robert: *See*—
Champagnat, Alfred, and Willer.
- Willet, George D., Lincoln Park, Mich. Dirigible trailer. 2,485,853, Oct. 25.
- Willet, Albert V., Jr.: *See*—
Hunt, Madison, Weinmayr, and Willett, Jr.
- Willey, Gordon A., Maywood, Ill. Cycle fender guard. 2,464,955, Mar. 22.
- Willey, Grant S., Chicago, and O. W. Frost, Highland Park, assignors to United States Gypsum Company, Chicago, Ill. Acoustical tile. 2,459,121, Jan. 11.
- Willey, Matthew K., Middlefield, Conn. Holding device for voice receivers. 2,481,271, Sept. 6.
- Willgoos, Andrew V. D.: *See*—
Tyler, John M., and Willgoos.
- Willgoos, Andrew V. D., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Torque regulating device for compressors. 2,460,778, Feb. 1.
- Willi, Richard B., Norristown, Pa., assignor to The Baldwin Locomotive Works. Overload control system for fluid propelling apparatus. 2,478,796, Aug. 9.
- Williams, Albert J., Jr.: *See*—
Tarpley, Raymond E., and Williams.
- Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Measuring system with capacitor having characteristics of an infinite capacity. 2,459,730, Jan. 18.

- Williams, Albert J., Jr., and R. E. Tarpley, Philadelphia, and N. C. Johnson, Merwood Park, assignors to Leeds and Northrup Company, Philadelphia, Pa. Low-frequency converter-amplifier system. 2,485,948, Oct. 25.
- Williams, Alexander T.: *See—*
Huber, Paul, and Williams.
- Williams, Alfred A., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Fluid operated guard and clutch control. 2,483,955, Oct. 4.
- Williams, Alfred J., Cleveland, Ohio. Device for control of urination. 2,483,079, Sept. 27.
- Williams, Alfred L. W.: *See—*
Brown, Walter J., and Williams.
- Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Multiple electrotransducer. 2,479,987, Aug. 23.
- Williams, Alfred O.: *See—*
Burrows, Robert J., and Williams.
- Williams, Arthur, Munster, Ind., assignor to Combustion Engineering-Superheater, Inc. Reciprocating engine plant with gas turbine cycle and submerged combustion boiler. 2,482,819, Sept. 27.
- Williams, Arthur F., St. Paul, Minn. Lens grinding unit. 2,490,495, Dec. 6.
- Williams, Barney B., Albany, Ga. Combined cigarette and match case. 2,484,327, Oct. 11.
- Williams-Bauer Corporation, assignee: *See—*
Williams, Ralph O., and Bredlik.
- Williams, Bernard, Casper, Wyo. Truck for transporting and spreading material. 2,479,800, Aug. 23.
- Williams, Bernard, Mountain Home, Ark. Mucking and loading machine. 2,490,724, Dec. 6.
- Williams, Bradley W., Chicago, Ill., assignor, by mesne assignments, to Williams Patent Corporation. Ratchet wheel step-up device. 2,467,574, Apr. 19.
- Williams, Carl B., Jr.: *See—*
Gwyn, James D., and Williams.
- Williams, Carl B., Jr., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing laminated safety glass. 2,464,540, Mar. 15.
- Williams, Carl B., Jr., and W. H. Meyer, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for washing glass sheets. 2,490,289, Dec. 6.
- Williams, Carl J., Jr., South Burlington, Vt. Floor waxer. 2,477,777, Aug. 2.
- Williams, Carroll M., and B. I. Hayford, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker control system. 2,476,938, July 19.
- Williams, Charles C. W.: *See—*
Jones, Alvin J., and Williams.
- Williams, Charles F., Wilmington, Mass., assignor to General Perforating Corp. Die punching machine. 2,466,291, Apr. 5.
- Williams, Charles G., Chester, and G. H. N. Chamberlain, Cambridge, England, assignors to Shell Development Company, San Francisco, Calif. Fuel compositions. 2,490,606, Dec. 6.
- Williams, Charlton H., assignor to Swift Manufacturing Company, Columbus, Ga. Warp-beam-driven letoff for textile looms. 2,479,285, Aug. 16.
- Williams, Chester, Ypsilanti, Mich. Trailer dolly. 2,458,666, Jan. 11.
- Williams, Chester, Ypsilanti, Mich. Trailer hitch. 2,458,667, Jan. 11.
- Williams, Chester, Ypsilanti, Mich. Tow bar. 2,472,325, June 7.
- Williams, Chester, Ypsilanti, assignor of fifty per cent to M. R. Hannum, and fifty per cent to J. S. De Tar, Milan, Mich. Four-wheel trailer. 2,483,684, Oct. 4.
- Williams, Craig G., Schenectady, N. Y. Initially placing the train and elevation axes of a gun in parallelism with the corresponding axes of the sights of its director. 2,481,551, Sept. 13.
- Williams, Curtis M., Phoenix, Ariz. Advertising sign container for attachment to parking meter posts. 2,468,421, Apr. 26.
- Williams, David: *See—*
Guarino, Pasquale A., and Williams.
- Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Automatic sear-releasing mechanism for firearms. 2,461,670, Feb. 15.
- Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Inertia operated bolt lock. 2,476,232, July 12.
- Williams, Dennis F., Kansas City, Mo. Handle for hammers. 2,467,284, Apr. 12.
- Williams, Edward A., New Orleans, La. Portable sectional enclosure. 2,475,416, July 5.
- Williams, Edward R., K. C. Warmbier, and A. Lundquist, assignors to Williams Engineering Company, Latrobe, Pa. Fluid cooled mold. 2,479,191, Aug. 16.
- Williams, Elias, New Orleans, La. Combination lock switch. 2,491,595, Dec. 20.
- Williams, Elmer L., Melrose Park, Ill. Gauge for tile cutters. 2,490,989, Dec. 13.
- Williams, Elmer R., Tulsa, Okla. Automatic shutoff valve. 2,487,501, Nov. 8.
- Williams, Emory C., Fort Payne, Ala. Valve head. 2,487,958, Nov. 15.
- Williams Engineering Company, assignee: *See—*
Williams, Edward R., Warmbier, and Lundquist.
- Williams, Eugene D., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,481,460, Sept. 6.
- Williams, Eugene D., Cleveland Heights, assignor to Diversified Designing & Machine Products Corporation, Cleveland, Ohio. Coupling. 2,476,172, July 12.
- Williams, Everard M.: *See—*
Jaggi, Lewis F., Jr., Williams, and Shearer.
- Williams, Ferd E.: *See—*
Nicol, Frederick H., and Williams.
- Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Cadmium pyrophosphate phosphor. 2,463,449, Mar. 1.
- Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Phosphor materials. 2,470,449, May 17.
- Williams, Francis J., Port Washington, and A. R. Pitrot, Hempstead, assignors to National Lead Company, New York, N. Y. Composite lead sulfate-lead silicate pigment and manufacture. 2,477,277, July 26.
- Williams, Francis J., Port Washington, and E. H. Herrmann, Brooklyn, assignors to National Lead Company, New York, N. Y. Anticorrosive paint. 2,479,988, Aug. 23.
- Williams, Francis R., Chicago, Ill. Paint spraying device. 2,488,789, Nov. 22.
- Williams, Frank T.: *See—*
Lutge, William G., and Williams.
- Williams, Fred D., Jr., assignor to S. Ruben, New Rochelle, N. Y. Primary cell vent and making. 2,478,798, Aug. 9.
- Williams, Frederic C., Timperley, England. Wireless signaling system. 2,490,394, Dec. 6.
- Williams, Frederick B.: *See—*
Frihart, H. Nell, Jackson, and Williams.
- Williams, Gertrude C., Cleveland, Ohio. Leg warmer bag. 2,459,352, Jan. 18.
- Williams, Gordon H., Haddonfield, N. J., assignor to Radio Corporation of America. Induction heating conveyor system. 2,491,348, Dec. 13.
- Williams, Harold G.: *See—*
Kurtz, Jacob, and Williams.
- Williams, Harold W., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator system. 2,482,529, Sept. 20.
- Williams, Harrison J., Garvey, and Michael Ambarcumian, assignors to Cook Bros., Los Angeles, Calif. Motor vehicle bogie unit. 2,465,181, Mar. 22.
- Williams, Harry E., Chicago, Ill. Amusement game apparatus. 2,459,011, Jan. 11.
- Williams, Herbert A., Goldsboro, N. C. Battery casing. 2,488,360, Nov. 15.
- Williams, Herbert L., Coconut Grove, Fla. Film magazine. 2,466,524, Apr. 5.
- Williams, Herbert P., London, England, assignor by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio navigational system. 2,465,411, Mar. 29.
- Williams, Horace, Alliance, Ohio. Hand snowplow. 2,460,560, Feb. 1.
- Williams, Howard L., and G. W. McLean, Spokane, Wash. Armature wedging machine. 2,492,911, Dec. 27.
- Williams, Ira: *See—*
Punshon, Thomas, Jr., and Williams.
- Williams, J. H., & Co., assignee: *See—*
Donaldson, Eames, and Johnson.
- Williams, Jack, San Pedro, Calif. Electrical signal assembly. 2,475,867, July 12.
- Williams, James, Toronto, Ontario, Canada. Airing device. 2,489,472, Nov. 29.
- Williams, James C., York, Pa., and L. W. Gottschalk, New York, N. Y., said Williams assignor to said Gottschalk. Seamless hosiery knitting machine. 2,474,925, July 5.
- Williams, James H., Riverside, and R. O. Roblin, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Benzenesulfonylthiazoles and preparation of the same. 2,478,146, Aug. 2.
- Williams, James P., Cumberland, Md. Toaster device. 2,491,594, Dec. 20.
- Williams, James W., New Brunswick, N. J. Bushing, sleeve, and liner removing chisel. 2,490,565, Dec. 6.
- Williams, Jay E., Dubuque, Iowa. Support for electrical fixtures. 2,461,794, Feb. 15.
- Williams, Jerry D., Chickasha, Okla. Firing line catcher. 2,472,997, June 14.
- Williams, Joe L., Sterling City, Tex. Umbrella holder. 2,458,235, Jan. 4.
- Williams, John C., Oakland, Calif. Pump. 2,471,596, May 31.
- Williams, John C. E., Englewood, N. J., assignor to Wingfoot Corporation, Akron, Ohio. Airplane engine package and packaging the same. 2,459,400, Jan. 18.
- Williams, John G.: *See—*
Heinz, Winfield B., Kittridge, and Williams.
- Williams, John H.: *See—*
Mastney, Edward J., and Williams.
- Williams, John H., assignor to Oak Mfg. Co., Chicago, Ill. Preselector for radio-frequency network. 2,469,189, May 3.
- Williams, John N., New York, N. Y. Transparency mount. 2,477,470, July 26.
- Williams, John W., Baltimore, Md. Console set. 2,468,007, Apr. 19.

- Williams, Joseph C., Whitestone, N. Y. Burner system. 2,467,173, Apr. 12.
- Williams, Judson, Ben Salem, Pa. Piston and locked ring assembly and piston ring locking clip. 2,481,552, Sept. 13.
- Williams, Judson, Ben Salem, Pa. Piston and locked ring assembly, and piston ring locking clip. 2,481,553, Sept. 13.
- Williams, Judson, Ben Salem, Pa. Float bowl assembly. 2,492,123, Dec. 20.
- Williams, Keith, Buffalo, N. Y. Locking center pin for railway cars. 2,463,343, Mar. 1.
- Williams, Keith, Buffalo, N. Y. One-way ratchet brake. 2,463,344, Mar. 1.
- Williams, Keith, Buffalo, N. Y. Door opening mechanism. 2,472,034, May 31.
- Williams, Keith, Buffalo, N. Y. Combined spring and friction shock absorber. 2,472,035, May 31.
- Williams, Keith, Buffalo, N. Y. Operating handle lever means for rotary hand brakes. 2,472,036, May 31.
- Williams, Keith, Buffalo, N. Y. Friction shock absorber. 2,479,444, Aug. 16.
- Williams, Keith, Buffalo, N. Y. Hand brake. 2,485,026, Oct. 18.
- Williams, Keith, Buffalo, N. Y. Hand brake. 2,485,425, Oct. 18.
- Williams, Keith, Buffalo, N. Y. Center pin for body and truck bolsters of railway cars. 2,485,426, Oct. 18.
- Williams, Keith, Buffalo, N. Y. Hand brake. 2,492,080, Dec. 20.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic weighing scale. 2,473,083, June 14.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale poise. 2,473,084, June 14.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Dashpot for weighing scales. 2,475,685, July 12.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Temperature control for weighing scales. 2,482,047, Sept. 13.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Printing scale. 2,483,989, Oct. 4.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Valve connector device. 2,483,990, Oct. 4.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Bellows construction. 2,487,288, Nov. 8.
- Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Stabilizing means for weighing scales. 2,490,723, Dec. 6.
- Williams, Leo A., Rock Hall, Md. Garage creeper. 2,475,266, July 5.
- Williams, Leo L.: See—
Gordon, Le Roy, and Williams.
- Williams, Lewis E., Jr.: See—
Smith, Paul L., and Williams, Jr.
- Williams, Louis E., assignor to The Garrett Corporation, Aircsearch Manufacturing Company division, Los Angeles, Calif. High-pressure lubricating unit. 2,459,010, Jan. 11.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel feeding system for liquid fuel burners having means for disposing of fuel vapors. 2,458,042, Jan. 4.
- Williams, Lynn A., Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater having means to prevent fuel contamination of the ventilating air. 2,458,968, Jan. 11.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Portable heating apparatus. 2,464,165, Mar. 8.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Heating system. 2,474,709, June 28.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Smoke screen generator. 2,476,171, July 12.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel control apparatus. 2,483,747, Oct. 4.
- Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel feed control apparatus. 2,488,250, Nov. 15.
- Williams, Madeline S., administratrix: See—
Simpson, James T.
- Williams, Mary B., Miami, Fla. Drying cabinet. 2,479,706, Aug. 23.
- Williams, Maynard A., assignee: See—
Smith, Herman A.
- Williams, Nathan B., assignee: See—
King, Bert C.
- Williams, Norman D.: See—
Brennan Elmer W., and Williams.
- Williams, Oliver E., Pocatello, Idaho. Airplane mooring device. 2,483,078, Sept. 27.
- Williams Patent Corporation, assignee: See—
Williams, Bradley W.
- Williams, Paul A., West Seneca, assignor to Glenn Confections, Inc., Buffalo, N. Y. Apparatus for making whistles. 2,463,132, Mar. 1.
- Williams, Paul B., Newark, N. J. Combination armchair and bed rest. 2,489,693, Nov. 29.
- Williams, Paul H., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Halogenation of unsaturated ethers and products produced thereby. 2,464,758, Mar. 15.
- Williams, Philip H., San Jose, assignor to E. A. Kent, Berkeley, Calif. Balancing valve. 2,486,899, Nov. 1.
- Williams, Ralph, Strathfield, near Sydney, New South Wales, Australia. Apparatus for the centrifugal molding of solid articles from plastic materials. 2,476,395, July 19.
- Williams, Ralph O., Brooklyn, and V. Bredlik, assignors to Williams-Bauer Corporation, New York, N. Y. Artificial fuel made from paper. 2,475,766, July 12.
- Williams, Ralph O., Brooklyn, and V. Bredlik, assignors to Williams-Bauer Corporation, New York, N. Y. Making artificial fuel from paper. 2,475,767, July 12.
- Williams, Ralph O., Brooklyn, and V. Bredlik, assignors to Williams-Bauer Corporation, New York, N. Y. Extruding paper to form artificial fuel logs. 2,475,768, July 12.
- Williams, Ralph O., Brooklyn, and V. Bredlik, assignors to Williams-Bauer Corporation, New York, N. Y. Making artificial fuel logs from paper. 2,475,769, July 12.
- Williams, Ray M., Mexico, Mo. Fishing pole holder. 2,481,272, Sept. 6.
- Williams, Rexford W.: See—
Dietrich, Robert L., and Williams.
- Williams, Richard H., Chicago, Ill. Capsule counter. 2,492,081, Dec. 20.
- Williams, Roger J., Austin, Tex., assignor to Research Corporation, New York, N. Y. Lactones. 2,465,303, Mar. 22.
- Williams, Roger J., Corvallis, Oreg., assignor to Research Corporation, New York, N. Y. Preparation of growth promoting substances. 2,462,449, Feb. 22.
- Williams, Russell J., Richmond Heights, Mo. Book cover or jacket. 2,475,345, July 5.
- Williams, Samuel: See—
Kaplan, Joseph M. L., and Williams.
- Williams, Sidney D., Warren, Ohio. Melting iron in electric furnaces. 2,470,010, May 10.
- Williams, Thomas: See—
Bragdon, Thomas, MacNeil, Stuart, III., and Williams.
- Williams, Thomas J., Camden, N. Y. Glassine gummed paper label holder. 2,464,426, Mar. 15.
- Williams, Thurman V., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl chloride-containing polymers having a high stability against thermal decomposition. 2,482,048, Sept. 13.
- Williams, Thurman V., Jr., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl halide polymer compositions. 2,467,352, Apr. 12.
- Williams, Vera P., assignee: See—
Henderson, Scott W.
- Williams, Villor P., Chicago, Ill. Cam action universal joint. 2,471,665, May 31.
- Williams, Walter R., Jonesboro, Ark. Camper's box having removable table-closure and pivoted table-top-extension leaves. 2,460,958, Feb. 8.
- Williams, William A.: See—
Ingraham, Joseph H., and Williams.
- Williams, William A., London, England. Driving gear of multicylinder reciprocating-piston engines. 2,470,669, May 17.
- Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Hardness tester. 2,466,567, Apr. 5.
- Williams, William A., assignor to The American Pulley Company, Philadelphia, Pa. Drum cradle. 2,477,278, July 26.
- Williams, William J., Wilmette, Ill. Governor mechanism. 2,478,797, Aug. 9.
- Williams, William W., Mexia, Tex. Pipe thread cleaning tool. 2,489,443, Nov. 29.
- Williams, Yancy L.: See—
Jensky, Clarence F., and Williams.
- Williamson, Charles D., Fort Worth, Tex. Advertising display card for trousers. 2,490,496, Dec. 6.
- Williamson, Floyd M., Detroit, Mich. Compound angle computer. 2,461,795, Feb. 15.
- Williamson, Gerald J.: See—
Hartley, Arthur C., Brown, Callendar, Fehling, Fox, Gill, Moore, Rosin, and Williamson.
- Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Venting means. 2,480,391, Aug. 30.
- Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Discharge apparatus for firefighting with carbon dioxide. 2,486,624, Nov. 1.
- Williamson, James L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Method and machine for generating splines and the like. 2,474,209, June 28.
- Williamson, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive web material. 2,468,853, May 3.
- Williamson, Larkin R., assignor to E. W. Bliss Company, Brooklyn, N. Y. Hydraulic pump. 2,484,439, Oct. 11.

- Williamson, Marshall I., New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Sealed reclosable carton end structure. 2,465,949, Mar. 29.
- Williamson, Marshall I., New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Container. 2,469,535, May 10.
- Williamson, Marshall I., New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Container. 2,472,183, June 7.
- Williamson, Marshall I., New Haven, Conn. Dispensing container. 2,472,871, June 14.
- Williamson, Oscar C., San Francisco, Calif. Can opener. 2,459,560, Jan. 18.
- Williamson, Rhett L., assignee: *See—*
Wade, Anstrice L.
- Williamson, Robert, South Philipsburg, Pa., and J. H. Bishop, Dayton, Ohio. Turning and threading adapter. 2,491,538, Dec. 20.
- Williamson, Thomas F. M., San Francisco, assignor to A. H. Isenberg, Woodside, Calif. Insulated pipe terminal. 2,473,552, Aug. 9.
- Williamson, Walter H.: *See—*
Hutchins, Ralph P., and Williamson.
- Willihnganz, Eugene: *See—*
Stewart, Alexander, Pitrot, and Willihnganz.
- Willing, Joseph E., and G. J. Johaneck, assignors to General Railway Signal Company, Rochester, N. Y. Relay. 2,486,086, Oct. 25.
- Willinsky, Abram I., Toronto, Ontario, Canada, assignor to American Cystoscope Makers, Inc., New York, N. Y. Instrument for electrosurgical resection. 2,487,502, Nov. 8.
- Willis, Albert E., Studley, England. Electric heater of water and other liquids. 2,464,013, Mar. 8.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Transformer system. 2,476,077, July 12.
- Willis, Clodius H., Princeton, N. J., assignor to General Electric Company. Control circuit for gas tubes. 2,476,790, July 19.
- Willis, Earl C., Canton, Ohio. Carton cutter. 2,486,900, Nov. 1.
- Willis, Frank C., Redwood City, Calif. Tensioning tool-holder. 2,482,995, Sept. 27.
- Willis, Harry G., Wayville, South Australia, assignor to A. M. Bickford & Sons Limited, Adelaide, South Australia, Australia. Device for injecting penicillin or similar liquids. 2,481,636, Sept. 13.
- Willis, Hilary B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermoplastic compositions comprising candelilla wax. 2,467,796, Apr. 19.
- Willis, Ralph R., and L. L. Bayers, Oakland, Calif. Portable crate having sliding pivoted closure. 2,478,883, Aug. 9.
- Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Motor and brake mechanism. 2,462,017, Feb. 15.
- Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Bearing assembly. 2,492,775, Dec. 27.
- Willke, Louis G.: *See—*
Carr, Wiley W., Willke, and Prince, Jr.
- Willman, Philip E., Chicago, assignor to McGraw Electric Company, Elgin, Ill. Impact thermostatic switch. 2,483,685, Oct. 4.
- Willmore, Charles B.: *See—*
Peterson, Warren S., and Willmore.
- Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manually operated pressure intensifying means. 2,478,553, Aug. 9.
- Willner, Hugo, Vancouver, British Columbia, Canada. Guitar. 2,473,980, June 21.
- Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Coupling arrangement for ultra high frequency circuits. 2,468,151, Apr. 26.
- Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio antenna. 2,480,172, Aug. 30.
- Willoughby, Lively B.: *See—*
Armstrong, Lowell, and Willoughby.
- Willis, Alton G., Robstown, Tex. Vehicle for transporting tanks. 2,472,557, June 7.
- Wills, Kurt H., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Indicator and control means for lead screw correction. 2,491,403, Dec. 13.
- Wills, Kurt H., assignor to The Monarch Machine Tool Co., Sidney, Ohio. Lead screw variator. 2,492,251, Dec. 27.
- Wills, Reuben P., Macon, Ga. Airplane kite. 2,460,959, Feb. 8.
- Wills, Walter P.: *See—*
Harrison, Thomas R., and Wills.
- Wills, Walter P., Germantown, and L. Stanton, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Standardized motor control system. 2,484,367, Oct. 11.
- Wills, Walter W., assignee: *See—*
Geddes, George S.
- Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Compound motion distributing valve for expandible chamber meters. 2,462,044, Feb. 15.
- Willson, George T., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Milking machine time determiner. 2,488,754, Nov. 22.
- Willson, Karl S., and D. G. Ellis, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition of copper. 2,471,918, May 31.
- Willson Products, Inc., assignee: *See—*
Sheffer, Marion L.
- Willys-Overland Motors, Inc., assignee: *See—*
Roos, Delmar G., and Benning.
Schassberger, Norman A.
- Wilm, Carl C., assignor to J. J. Monaghan Company, Inc., Denver, Colo. Respirator. 2,490,395, Dec. 6.
- Wilmot-Breeden Limited, assignee: *See—*
Lacon, Gilbert W.
- Wilmot Castle Company, assignee: *See—*
Greppin, Ernest H.
- Wilmotte, Raymond M., assignee: *See—*
Young, Larry L.
- Wilmotte, Raymond M., Washington, D. C. Synchronous frequency broadcasting. 2,458,124, Jan. 4.
- Wilms, Henry F., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Two-speed transmission. 2,479,445, Aug. 16.
- Wilms, Henry F., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 2,492,608, Dec. 27.
- Wilmsen, Joseph L., Rushland, Pa. Chenille making machine. 2,491,292, Dec. 13.
- Wilputte, Louis, New York, and F. Wethly, Manhasset, N. Y., assignors to Allied Chemical & Dye Corporation. Coke oven battery and operation thereof. 2,488,952, Nov. 22.
- Wilputte, Louis, New York, and F. Wethly, Manhasset, N. Y., assignors to Allied Chemical & Dye Corporation. Coke oven battery for coking wet coal and operation thereof. 2,488,953, Nov. 22.
- Wilquin, Carl L., Chicago, Ill. Cheese slicer. 2,461,796, Feb. 15.
- Wilsher, Samuel T. G., Merrittton, Ontario, Canada, assignor to C. E. Seely, Erie, Pa. Rock drill bit. 2,484,365, Oct. 11.
- Wilson, Albert E., Cleveland, Ohio, and H. D. Hukill, assignors to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,480,801, Aug. 30.
- Wilson, Alexander L., Upper Montclair, N. J., assignor to Carbide and Carbon Chemicals Corporation. Hydroxyalkyl alkylenimines and making same. 2,475,068, July 5.
- Wilson, Allen B., Evanston, Ill., assignor, by mesne assignments, of one-half to K. Stuart and one-half to E. R. B. Stuart, Menasha, Wis. Container and manufacture. 2,461,581, Feb. 15.
- Wilson, Allen B., Evanston, Ill., assignor, by mesne assignments, to K. and E. R. B. Stuart, both of Menasha, Wis. Container and making same. 2,464,278, Mar. 15.
- Wilson, Andrew N.: *See—*
Harris, Stanton A., and Wilson.
- Wilson, Arthur D., Grays, and W. Dalziel, Birkenhead, England, assignors to Lever Brothers Company. Packing of plastic material. 2,474,136, June 21.
- Wilson, Ashley F., assignee: *See—*
Brownell, Clifford E.
- Wilson, Benjamin J., Oreland, R. C. Machler, Philadelphia, N. E. Polster, Willow Grove, and G. E. R. Murray, Feasterville, Pa., assignors to the United States of America as represented by the Secretary of War. Thermostatic electric switch. 2,471,806, May 31.
- Wilson, Benjamin J., Oreland, and J. E. Stringer, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of War. Delay action fuse. 2,485,949, Oct. 25.
- Wilson, Carl A., assignee: *See—*
Maltba, I. Lee.
- Wilson, Charles C., Lanett, Ala., H. H. Cudd, and D. V. Probasco, assignors to West Point Manufacturing Company, West Point, Ga. Nonwoven fabric and making same. 2,477,675, Aug. 2.
- Wilson, Charles C., Lanett, Ala., and H. H. Cudd and D. V. Probasco, assignors to West Point Manufacturing Company, West Point, Ga. Machine for producing unwoven fabrics. 2,478,148, Aug. 2.
- Wilson, Charles E., Jr., Denver, Colo., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trichloromethyl diarylmethanes. 2,460,865, Feb. 8.
- Wilson, Charles L., Billings, Mont. Concrete foundation with sill. 2,483,080, Sept. 27.
- Wilson, Charles R., Pekin, Ill. Mill cutter center locator. 2,472,241, June 7.
- Wilson, Christopher R., assignor of one-half to H. Waldman, Philadelphia, Pa. Rotating wing for aircraft. 2,474,079, June 21.
- Wilson & Co., Inc., assignee: *See—*
Gaarder, Herbert M., and Cooper.
Hodson, George F.

- Wilson & Company, Inc., assignee: *See*—
Campbell, Lyman L., and Selby.
- Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric color couplers. 2,463,838, Mar. 8.
- Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sensitizing dyes containing styryl dye nuclei. 2,465,412, Mar. 29.
- Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sensitizing dyes. 2,465,774, Mar. 29.
- Wilson, David D.: *See*—
Culhane, Edward A., and Wilson.
- Wilson, David T.: *See*—
Thompson, Luke, and Wilson.
- Wilson, Donald G., assignor to The Wilson Manufacturing Company, Stratford, Conn. Quick-acting securing means for water-tight doors. 2,460,961, Feb. 8.
- Wilson, Donald G., assignor to The Wilson Manufacturing Company, Stratford, Conn. Escape scuttle. 2,476,471, July 19.
- Wilson, Donald T., assignee: *See*—
Smiley, Joseph C., Jr.
- Wilson, Dorothy, Grand Rapids, Mich. Weighted diaper. 2,482,049, Sept. 13.
- Wilson, Earl D., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacturing small current selenium rectifiers. 2,479,446, Aug. 16.
- Wilson, Earl E., Detroit, Mich. Artificial fish lure. 2,482,309, Sept. 20.
- Wilson, Earl L.: *See*—
De Zubay, Egon A., and Wilson.
- Wilson, Edward D., Portland, Oreg. Gas torch. 2,477,917, Aug. 2.
- Wilson, Emory L., St. Simons Island, Ga., assignor of ten per cent to R. W. Cummings, and forty-five per cent to E. K. Green, Jacksonville, Fla. Printing press roller sleeve and means for applying the same. 2,480,173, Aug. 30.
- Wilson, Erwin N., assignee: *See*—
Brownell, Clifford E.
- Wilson, Ezekiel J.: *See*—
Skeer, John D., Russell, and Wilson.
- Wilson, Frances S., administratrix: *See*—
Wilson, Leonard.
- Wilson, Frank C., Arcade, N. Y. Hydraulic press. 2,472,390, June 7.
- Wilson, Fred D., J. Antos, and J. D. Benbow, assignors to Austin-Western Company, Aurora, Ill. Full circle boom crane. 2,462,926, Mar. 1.
- Wilson, Fred E., assignor of one-half to G. O. Wray, Milwaukee, Wis. Pot type oil burner air heating furnace. 2,470,420, May 17.
- Wilson, Garrett E., Louisville, Ky. Folding lawn chair. 2,492,342, Dec. 27.
- Wilson, George, assignee: *See*—
Bergeron, Lauren A.
- Wilson, George A., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Double-action mechanism for pistols. 2,464,427, Mar. 15.
- Wilson, George A., Hamden, assignor to The High Standard Manufacturing Corporation, New Haven, Conn. Adjustable rear sight for firearms. 2,465,561, Mar. 29.
- Wilson, George E., Fort Lauderdale, Fla. Fruit corer and juice extractor. 2,475,559, July 5.
- Wilson, Gerald W.: *See*—
Wilson, Henry E., and Wilson.
- Wilson, Glenn W., Jr., Goose Creek, Tex., assignor to Standard Oil Development Company. Method and apparatus for controlling fractionating columns. 2,467,174, Apr. 12.
- Wilson, Harold M.: *See*—
Peterson, Vincent C. J., and Wilson.
- Wilson, Harold M., Lexington, assignor to Metals & Controls Corporation, Attleboro, Mass. Circuit breaker. 2,482,955, Sept. 27.
- Wilson, Harold M., Lexington, assignor to Metals & Controls Corporation, Attleboro, Mass. Snap-acting springing and thermostatic plate. 2,487,683, Nov. 8.
- Wilson, Henry E., and G. W. Grand Junction, Colo., assignors to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa. Method and apparatus for wrapping saw blades or the like. 2,458,971, Jan. 11.
- Wilson, Horace A., Lake City, Fla. Hydraulic engine starter. 2,467,067, Apr. 12.
- Wilson, Howard A., Jamaica Plains, Mass. Attachment for milling machines. 2,474,877, July 5.
- Wilson, J. G., Corporation, The, assignee: *See*—
Pringle, Edward S.
- Wilson, Jack C., Garden City, N. Y. Mystery toy or puzzle. 2,458,969, Jan. 11.
- Wilson, Jack C., Garden City, N. Y. Mystery toy or puzzle. 2,458,970, Jan. 11.
- Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding machine. 2,473,670, June 21.
- Wilson, John H., Bay Shore, N. Y. Control valve. 2,461,304, Feb. 8.
- Wilson, John H., Bay Shore, N. Y. Scoop and siphon for water-cooling systems. 2,462,450, Feb. 22.
- Wilson, John H., Bay Shore, N. Y. Cooling device for power plants of boats. 2,466,525, Apr. 5.
- Wilson, John H., Wichita Falls, Tex. Cooling system for clutch and brake devices. 2,468,388, Apr. 26.
- Wilson, John J., Watertown, assignor to Doelcam Corporation, West Newton, Mass. Apparatus for removing residual thread from bobbins. 2,458,326, Jan. 4.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Relay. 2,471,181, May 24.
- Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic stoker motor control responsive to space and combustion temperature conditions. 2,482,739, Sept. 20.
- Wilson, John M., and B. Cyr, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric thermostat. 2,485,950, Oct. 25.
- Wilson, John W., Berkeley, Calif. Radiograph calculator. 2,484,366, Oct. 11.
- Wilson-Jones Co., assignee: *See*—
Segal, Samuel.
- Wilson-Jones Company, assignee: *See*—
Murphy, Edward B., and Segal.
Pitt, Frederick D.
Segal, Samuel.
Uhrmacher, Ralph R.
- Wilson, Joseph F.: *See*—
Hillyer, John C., and Wilson.
- Wilson, Lawrence A.: *See*—
Cleven, Oluf L., and Wilson.
- Wilson, Lawrence A., McLean, Va., and B. Grady, Washington, D. C. Follower for filing receptacles. 2,489,350, Nov. 29.
- Wilson, Lee, assignee: *See*—
Armstrong, Harry H.
- Wilson, Lee, Rocky River, and E. A. Corns, Lakewood, Ohio, said Corns assignor to said Wilson. Combustion tube heating apparatus. 2,478,732, Aug. 9.
- Wilson, Leonard, deceased, by F. S. Wilson, administratrix, Salt Lake City, Utah, assignor to United States Rubber Company, New York, N. Y. Electrical protective system. 2,478,147, Aug. 2.
- Wilson, Lester F., San Gabriel, Calif. Drip candle. 2,464,361, Mar. 15.
- Wilson, Lyndon A., assignee: *See*—
Brownell, Clifford E.
- Wilson Manufacturing Company, The, assignee: *See*—
Wilson, Donald G.
- Wilson Mechanical Instrument Co., Inc., assignee: *See*—
Sklar, David F.
- Wilson, Michael J.: *See*—
Zinn, Julius A., Jr., and Wilson.
- Wilson, Mitchell: *See*—
Cohoe, Wallace P., and Wilson.
- Wilson, Oran C., Lakewood, and P. S. Britton, Bratenahl, assignors, by mesne assignments, to Samuel Moore & Company, Mantua, Ohio. Coating articles with plastic material. 2,467,642, Apr. 19.
- Wilson, Otto E., Peru, Ind., and W. H. Sale, Sanston, Va., assignors to T-Z Railway Equipment Co., Chicago, Ill. Pin retainer for draft keys. 2,477,535, July 26.
- Wilson, Otto E., Peru, Ind., and W. H. Sale, Sanston, Va., assignors to T-Z Railway Equipment Co., Chicago, Ill. Packing retainer for journal boxes on railway cars. 2,492,724, Dec. 27.
- Wilson, Perry J., New Paltz, N. Y., assignor to Electric Boat Company, Groton, Conn. Truck body comprising removable panels. 2,471,917, May 31.
- Wilson, Richard B., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Servomotor damper. 2,464,362, Mar. 15.
- Wilson, Robert, assignor to Holland Furnace Company, Holland, Mich. Draft control damper. 2,460,960, Feb. 8.
- Wilson, Robert C., Jr., Woodbury, N. J., assignor to Sicony-Vacuum Oil Company, Incorporated, Manufacture of desiccants. 2,462,798, Feb. 22.
- Wilson, Robert F., San Gabriel, and A. F. Reznicek, Alhambra, Calif., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Fuel-cell construction. 2,459,752, Jan. 18.
- Wilson, Robert M., and G. F. Philipps, Battle Creek, Mich. Electric fence post. 2,468,907, May 3.
- Wilson, Ronald M., Ambler, Pa. Adjustable rack slide bearing. 2,467,066, Apr. 12.
- Wilson, Ronald V., Santa Ana Heights, Calif. Hen-cage register. 2,474,965, July 5.
- Wilson, Ross R., Katispell, Mont. Ball stop for bowling ball return racks. 2,491,349, Dec. 13.
- Wilson, Rosser L., Mahwah, and E. R. Knauer, Westwood, N. J., assignors to American Brake Shoe Company, New York, N. Y. Control apparatus. 2,460,055, Jan. 25.
- Wilson, Roy E.: *See*—
Kistler, John P., Wilson, and Tracy.
- Wilson, Roy E., Clarion, Iowa, J. P. Kistler, Minneapolis, Minn., and A. H. Tracy, San Antonio, Tex. Portable traffic control device. 2,486,655, Nov. 1.
- Wilson, S. Shepard, assignee: *See*—
Brownell, Clifford E.
- Wilson, Samuel W., Baton Rouge, La., assignor to Standard Oil Development Company. Diolefin extraction. 2,483,863, Oct. 4.

- Wilson, Theodore J.: *See*—
Kutzler, Robert J., and Wilson.
- Wilson, Thomas L., Upper Montclair, and J. A. Davison, Waldwick, N. J., assignors to United States Rubber Company, New York, N. Y. Dispersing agents and producing same. 2,489,943, Nov. 29.
- Wilson, Tom, Baltimore, Md., assignor to Bethlehem Steel Company. Belt wrapper. 2,477,843, Aug. 2.
- Wilson, Tom, Lake Village, Ark. Mouse and rat trap. 2,463,839, Mar. 8.
- Wilson, Walter, Yonkers, N. Y., assignor to Burnham Corporation. Greenhouse construction. 2,458,455, Jan. 4.
- Wilson, Wayne E., Schenectady, N. Y., assignor to General Electric Company. Contact mechanism. 2,468,583, Apr. 26.
- Wilson, Wayne E., Schenectady, N. Y., assignor to General Electric Company. Cutter mechanism. 2,475,346, July 5.
- Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Polymerization process. 2,473,929, June 21.
- Wilson, William C., Pittsburg, Kans. Ventilator. 2,469,096, May 3.
- Wilt, Homer E., Akron, and G. A. Tincler, Randolph, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tool for installing hollow rivets. 2,471,598, May 31.
- Wilton, Percy J.: *See*—
Twiehaus, Arthur E., and Wilton.
- Wiltsee, Duane, Ann Arbor, Mich. Towing device for trawlers. 2,474,296, June 28.
- Wiltse, Sumner, Detroit, Mich. Pressure pump. 2,464,014, Mar. 8.
- Wiltse, Sumner, assignor to Vibraseal Corporation, Detroit, Mich. Fluid line connection. 2,479,447, Aug. 16.
- Wimmer, Roy E., Henderson, Nev. Combined collar stiffener and necktie support. 2,475,931, July 12.
- Wimpfheimer, Harry E., New York, N. Y. Embossing die. 2,469,620, May 10.
- Winberg, Eric S., Wakefield, Mass. Removable furniture upholstery. 2,490,763, Dec. 6.
- Wince, Vearl S.: *See*—
Franck, Kurt, and Wince.
- Wince, Vearl S., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Surface attached fluorescent lighting luminaire. 2,474,341, June 28.
- Wincharger Corporation, assignee: *See*—
Albers, John R. and G. H.
- Winchel, Henry T., Roscoe, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Modulator system. 2,470,063, May 10.
- Winchel, Henry T., Roscoe, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Echo ranging apparatus. 2,491,020, Dec. 13.
- Winchell, Laurence J., Fort Scott, Kans. Lawn mower. 2,484,201, Oct. 11.
- Winchester, Amos J., Jr.: *See*—
Schaelchlin, Walter, and Winchester.
- Winchester, Leonard W.: *See*—
Heln, Willard C., and Winchester.
- Windenburg, Dwight F.: *See*—
MacCutcheon, Edward M., Jr., Windenburg, and Smith.
- Winder, Samuel E., assignor of one-half to H. C. Daubenspeck, Massillon, Ohio. Glassware forming machine. 2,466,669, Apr. 12.
- Windham, Romie G., Compton, Calif. Groove-forming cutter. 2,489,511, Nov. 29.
- Windham, Ray K., Bethesda, Md. Torsion recoil spring. 2,491,539, Dec. 20.
- Windhorst, Pearl R., Oakland, Calif., assignor to American Seating Company, Grand Rapids, Mich. Unitary chalk and eraser holder. 2,469,347, May 3.
- Windnagle, Dewey F., Sherrill, N. Y. Cartridge case rim gauge. 2,465,182, Mar. 22.
- Window-Frame Corporation, assignee: *See*—
Tidwell, Wendell B.
- Windsor, Reginald H., assignee: *See*—
Miller, Ralph S.
- Wineus, Wallace, Bristol, Pa., assignor to John R. Evans & Company, Camden, N. J. Tanning with free formaldehyde and melamine simultaneously. 2,470,450, May 17.
- Winegar, Edmund M., assignor to The Ohio Rubber Company, Willoughby, Ohio. Mechanism for molding rubber and like articles. 2,475,267, July 5.
- Winer, Bernard B.: *See*—
Rushing, Frank C., and Winer.
- Winea, Elmer J., South Gate, assignor to W. Pensak, Los Angeles, Calif. Cushion or mattress unit. 2,474,768, June 28.
- Winesett, Franklin P., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Making shopping bags. 2,469,536, May 10.
- Winfield, De Witt C., Newark, N. J. Checkering tool. 2,490,497, Dec. 6.
- Winfield, Edward A., Los Angeles, Calif. Engine block and cylinder assembly. 2,474,878, July 5.
- Winfield, Edward A., Los Angeles, Calif. Internal-combustion engine. 2,474,879, July 5.
- Wing, George S., Hermosa Beach, Calif. Flooring or surfacing structure. 2,478,993, Aug. 16.
- Wing, George S., Hermosa Beach, Calif. Drill bushing and bracket assembly. 2,483,686, Oct. 4.
- Wing, Henry J., Milltown, N. J., assignor to Johnson & Johnson. Pressure sensitive adhesive. 2,484,060, Oct. 11.
- Wing, Robert C., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Automatic control for aircraft. 2,492,252, Dec. 27.
- Wing, Russell T., Excelsior, Minn. Fountain pen. 2,474,389, June 28.
- Wing, Russell T., Excelsior, Minn. Fountain pen nib. 2,483,603, Oct. 4.
- Wing, Russell T., Excelsior, Minn. Touch indicator. 2,491,699, Dec. 20.
- Wing, Willis G.: *See*—
Campbell, David J., and Wing.
- Wingert, Raymond R.: *See*—
Kamin, Vernon A., Mattingly and Wingert.
- Wingfoot Corporation, assignee: *See*—
Bender, Charles F.
Cheyney, LaVerne E.
Cheyney, LaVerne E., and McCutcheon.
Clifford, Albert M.
Clifford, Albert M., and D'Ianni.
Clifford, Albert M., and Gleim.
Clifford, Albert M., and Long.
Clunan, Albert B., and Stalter.
Cox, Fred W., and Wallace.
Cutright, Robert S.
D'Ianni, James D.
Emerson, Keith L.
Flory, Paul J., and Rabjohn.
George, Everett D.
Gleim, Clyde E.
Glen, Earl W.
Haase, Jorgen I.
Hall, Lindsay S., and Solldiday.
Haller, Albert, and Torrey, Jr.
Handy, George A.
Hardman, Albert F.
Johnson, Joseph P.
Johnson, Theodore A., and Thompson.
Johnson, Wade C., Trishman, and Stratton.
Lichty, Joy G.
Lichty, Joy G., and Seeger.
Milone, Charles R.
Robinson, Jack D.
Rogers, Thomas H., Jr.
Rogers, Thomas, and Vickers.
Silver, Frank F.
Snyder, James E.
Solldiday, Raymond E.
Solldiday, Raymond E., and Gordon.
Stalter, Joseph F.
Sturevant, Mark J.
Ten Broeck, Walter T. L., Jr.
Thomas, Joseph C.
Williams, John C. E.
Wise, Paul H.
Wolfe, William D.
Young, Foster J.
- Wingrove, Kenneth R., Jr., assignee: *See*—
Johnson, Alpheus D.
- Winholm, Folke, assignor to B. B. K. Bergild, Stockholm, Sweden. U. K. R. Bergild, executor of said B. B. K. Bergild, deceased. Spark plug. 2,483,357, Sept. 27.
- Wink, Louis H., Leesburg, Fla. Inner tube testing device. 2,459,608, Jan. 18.
- Winkel, Fred M., Phillipsburg, Pa., assignor to R. L. Evans, New York, and E. G. McDonough, Yonkers, N. Y. Hair-waving unit. 2,461,101, Feb. 8.
- Winkel, Herbert C., Maywood, Ill. Grid casting mold. 2,467,246, Apr. 12.
- Winkelmann, Herbert A., assignor to Dryden Rubber Company, Chicago, Ill. Gasket and gasket composition. 2,473,319, June 14.
- Winkelmann, Samuel A., assignor of one-half to W. L. Goldston, Houston, Tex. Apparatus for cementing wells. 2,460,561, Feb. 1.
- Winkle, Charles B., Salt Lake City, Utah. Fuse. 2,482,135, Sept. 20.
- Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure responsive valve mechanism. 2,469,038, May 3.
- Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Internal-combustion engine. 2,489,230, Nov. 22.
- Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter control switch. 2,492,340, Dec. 27.
- Winkler, Albert H., and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Rotary expandable chamber pump. 2,470,670, May 17.
- Winkler, Carl A.: *See*—
Wright, George F., and Winkler.
- Winkler, Frederic C., and B. A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Luminaire. 2,462,243, Feb. 22.
- Winkler, James S., assignor to M. Shayne, Los Angeles, Calif. Auto glare shield. 2,458,125, Jan. 4.
- Winkler, Julius, Detroit, Mich. Tool handle connection. 2,458,815, Jan. 11.

- Winkler, Robert H.: *See*—
Hastings, Donald F., and Winkler.
- Winkquist, Sven G., Goteborg, Sweden. Universal joint. 2,462,700, Feb. 22.
- Winks, John: *See*—
Fletcher, Lynn, and Winks.
- Winlock, Joseph, assignor to The Budd Company, Philadelphia, Pa. Working sheet metal. 2,476,254, July 12.
- Winn, William, Monkseaton, England, assignor to Victor Products (Wallsend), Limited. Rotary bit for drilling coal and rock. 2,461,305, Feb. 8.
- Winnek, Philip S., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Hydroxy, halogen substituted dinaphthylmethanes. 2,480,533, Aug. 30.
- Winnek, Philip S., and H. E. Faith, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo. N-acylphenothiazines. 2,461,460, Feb. 8.
- Winnek, Philip S., and E. R. Bockstahler, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo. Stabilized 2-sulfanilamido-5-carboxythiazole. 2,480,532, Aug. 30.
- Winmore, Julien F., Elmhurst, N. Y. Educational toy. 2,491,404, Dec. 13.
- Winnen, Franklyn E.: *See*—
Benjamin, Milton L., and Winnen.
- Winnewisser, Emil A.: *See*—
Davis, Ernest, and Winnewisser.
- Winning, Carl: *See*—
McNeb, John G., and Winning.
- Winning, Carl, Westfield, N. J., assignor to Standard Oil Development Company. Organometallic compound. 2,472,504, June 7.
- Winning, Ross J., Franklin Square, assignor to Sheffield Farms Company, Inc., New York, N. Y. Thermometer with mounting well. 2,475,211, July 5.
- Winninghoff, Wilford J.: *See*—
Found, Clifton G., and Winninghoff.
- Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vapor electric device with cooling coil serving as heating resistor. 2,459,057, Jan. 11.
- Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Internal shield for vapor electric devices. 2,477,506, July 26.
- Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Supplying heating current to the valves of electric current converters. 2,490,290, Dec. 6.
- Winpower Manufacturing Company, assignee: *See*—
Johnson, Bertram E.
McCardell, Edmund A.
- Winslow, Albert E., Greenville, S. C., assignor to Universal Winding Company. Feed roll unit for textile machines. 2,481,185, Sept. 6.
- Winslow, Albert E., Norwich, Conn., assignor, by mesne assignments, to Universal Winding Company, Cranston, R. I. Feed roll assembly. 2,477,106, July 26.
- Winslow, Albert E., Norwich, and E. Eppler, Stonington, Conn., assignors, by mesne assignments, to Universal Winding Company, Cranston, R. I. Stop means for feed roll units. 2,472,966, June 14.
- Winslow, Arthur F.: *See*—
Kearsley, William K., Winslow, and Liebhafsky.
- Winslow Bros. & Smith Co., assignee: *See*—
Wilkinson, Stanley.
- Winslow, Edward N., Chagrin Falls, Ohio. Kite. 2,472,137, June 7.
- Winslow, Nathaniel M., Lakewood, and G. W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc. Conducting chemical reactions. 2,459,907, Jan. 25.
- Winstead, Thomas W., Baltimore, Md. Thermoplastic film heat sealing element. 2,481,554, Sept. 13.
- Winsted Hardware Manufacturing Company, The, assignee: *See*—
Travis, Albert C.
- Winter, Arthur, Wechawken, and V. Haggerty, Tenafly, N. J. Combination footstool and table. 2,470,011, May 10.
- Winter, Frank: *See*—
Hayes, Edward J.
- Winter, Frank A., Larchmont, N. Y. Container for cigarettes, cosmetics, and the like. 2,464,956, Mar. 22.
- Winterburn, Fred, Cornwall, Ontario, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Apparatus for controlling the speed of electric motors. 2,470,595, May 17.
- Wintercorn, Andrew F., assignee: *See*—
Belk, William N.
Schofield, Earl L.
- Winterhalter, Alfred C., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Seismic detector. 2,478,517, Aug. 9.
- Winterhalter, Martin, Morcote, near Lugano, Switzerland. Making separable fasteners. 2,463,840, Mar. 8.
- Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitation. 2,467,068, Apr. 12.
- Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrode assembly. 2,478,800, Aug. 9.
- Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Gas testing device. 2,484,202, Oct. 11.
- Wintermute, Vern M., North Plainfield, assignor to Lyte Parts, Company, Plainfield, N. J. Radio antenna. 2,471,256, May 24.
- Winternitz, Paul F., New York, N. Y. Preparation of anhydrous lithium peroxide. 2,488,485, Nov. 15.
- Winters & Crampton Corporation, assignee: *See*—
Anderson, Lloyd L., and Johnson.
Mark, Vennice E., and Anderson.
- Winters, Harold W., San Francisco, Calif. Cover clamp for pressing machines. 2,473,085, June 14.
- Winters, Maurice, New York, N. Y., assignor to Delamere Company, Inc., Jersey City, N. J. Hair braid fastener. 2,488,954, Nov. 22.
- Winters, Russell H., assignor to The Larsen Company, Green Bay, Wis. Bar screen grader for carrots and vegetables having like tapering forms. 2,458,887, Jan. 11.
- Winters, Russell H., assignor to The Larsen Company, Green Bay, Wis. Apparatus for peeling vegetables and fruits. 2,490,112, Dec. 6.
- Winters, Starling, Englewood, N. J. Flare. 2,468,795, May 3.
- Winters, William P., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Side seam container electric welding machine. 2,484,868, Oct. 18.
- Wintersteiner, Oskar, and H. B. MacPhillamy, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Obtaining a crystalline sodium penicillin. 2,461,949, Feb. 15.
- Wintersteiner, Oskar, New Brunswick, and H. B. MacPhillamy, Princeton, N. J., and A. E. O. Menzel, Grandview on Hudson, assignors to E. R. Squibb & Sons, New York, N. Y. Producing penicillin preparations. 2,480,991, Sept. 6.
- Wintersteiner, Oskar, New Brunswick, N. J., and M. Adler, assignors to E. R. Squibb & Sons, New York, N. Y. Obtaining a crystalline sodium penicillin. 2,485,227, Oct. 18.
- Winther, Anthony: *See*—
Winther, Martin P., and A.
- Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, trustee, Waukegan, Ill. Electronic control apparatus. 2,458,454, Jan. 4.
- Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., trustee. Electronic tension control apparatus. 2,469,706, May 10.
- Winther, Jerrold B., Kenosha, Wis., assignor to M. P. Winther, as trustee. Punch press. 2,471,505, May 31.
- Winther, Martin P., assignee, trustee: *See*—
Winther, Jerrold B.
Winther, Martin P.
Winther, Martin P., and Senniger.
- Winther, Martin P., trustee: *See*—
Winther, Anthony.
- Winther, Martin P., Gates Mills, Ohio, assignor to M. P. Winther, Waukegan, Ill., trustee. Universal angle drive. Re. 23,101, Apr. 19.
- Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, as trustee. Dynamoelectric machine. 2,462,451, Feb. 22.
- Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, as trustee. Toothed pole ring for dynamoelectric machines. 2,465,983, Mar. 29.
- Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, as trustee. Eddy-current coupling. 2,479,989, Aug. 23.
- Winther, Martin P., Waukegan, Ill., assignor to himself as trustee. Dynamoelectric machine. 2,484,138, Oct. 11.
- Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, as trustee. Dynamoelectric machine. 2,492,776, Dec. 27.
- Winther, Martin P., Waukegan, Ill., and A. Winther, Kenosha, Wis., assignor to said M. P. Winther, as trustee. Dynamoelectric machine. 2,465,982, Mar. 29.
- Winther, Martin P., Waukegan, Ill., and S. N. Senniger, Ladue, Mo., assignors to M. P. Winther, as trustee. Clutch control. 2,467,874, Apr. 19.
- Winther, Martin P., Waukegan, Ill., and A. Winther, Kenosha, Wis., assignors to M. P. Winther, as trustee. Toroidal magnet field for dynamoelectric machines. 2,470,596, May 17.
- Winthrop-Atkins Co., Inc., assignee: *See*—
Nichols, Gordon E.
- Winthrop-Stearns Inc., assignee: *See*—
Albertson, Noel F., and Archer.
Albertson, Noel F., Archer, and Suter.
Clark, Thomas S. H.
Fry, Harold R., Jr.
Huber, Wolfgang, and Boehme.
King, John A.
Kwartier, Charles E.
Schulz, Frederick J.
Suter, Chester M., and Ruddy.
Whiteside, Robert S., and Allen.
- Winton, Barbara S.: *See*—
Hamer, Frances M., Rathbone, and Winton.
- Winton, Edwin R.: *See*—
Caldwell, Walter A., and Winton.

- Wintringham, Andrews C., Glen Ridge, L. R. Moffatt, Upper Montclair, and R. C. Conn, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 1-naphthylamine-2-sulfonic acid. 2,479,990, Aug. 23.
- Wintringham, John S.: *See*—
Calingaert, George, and Wintringham.
- Wintringham, William T.: *See*—
King, Kenneth L., and Wintringham.
- Wintsch, Max T., Lancaster, Pa. Ignition system. 2,476,128, July 12.
- Wirecorder Corporation, assignee: *See*—
Stone, Irving A.
- Wiremold Company, assignee: *See*—
Chernack, Abel E.
- Wirkler, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Radio direction finding. 2,477,434, July 26.
- Wirsing, Sebastian, Long Island City, N. Y. Hair waving device. 2,478,349, Aug. 9.
- Wirth, Emil O.: *See*—
Winkler, Albert H., and Wirth.
- Wirth, Emil O., and F. Barford, assignors to Bendix Aviation Corporation, South Bend, Ind. Heating system. 2,460,207, Jan. 25.
- Wirth, Emil O., and F. Barford, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,484,956, Sept. 27.
- Wirth, Emil O., and F. Barford, assignors to Bendix Aviation Corporation, South Bend, Ind. Hot-air heater with fuel-air mixture control. 2,492,777, Dec. 27.
- Wirth, Otto, assignor to Micafil Ltd., Zurich, Switzerland. Ring winding machine. 2,467,643, Apr. 19.
- Wirth, Rand, Oakland, Calif. Power shear and sprayer. 2,462,701, Feb. 22.
- Wirth, Theodore: *See*—
Knecht, Oscar, and Wirth.
- Wirz, Henry, Long Beach, Calif. Valve. 2,478,350, Aug. 9.
- Wisby, Robert E., Abilene, Kans. Form and posture corrective chair. 2,482,996, Sept. 27.
- Wisconsin Aluminum Foundry Company, assignee: *See*—
Eck, William.
- Wisconsin Alumni Research Foundation, assignee: *See*—
Allen, Thomas C.
Grindrod, George E.
Hart, Edwin B., and Halverson.
Johnson, William S., Petersen, and Gutsche.
Stahmann, Mark A., and Link.
- Wisdom, Raymond I., St. Louis, Mo. Photographic print mounting frame. 2,487,403, Nov. 8.
- Wise, Clarence H.: *See*—
Morrow, Fred E., and Wise.
- Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. First line position determining means for typewriting machines. 2,486,901, Nov. 1.
- Wise, Ernest G., Chicago, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,462,244, Feb. 22.
- Wise, Ernest G., St. Louis, Mo., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,467,797, Apr. 19.
- Wise, Henry: *See*—
Robertson, Oswald H., Puck, and Wise.
- Wise, John K.: *See*—
Scholz, Herman A., and Wise.
- Wise, John K., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Self-hardening composition of melamine-formaldehyde resin and a hydrated alkaline earth oxide. 2,476,939, July 19.
- Wise, John K., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Controlled-consistency gypsum plasters and method and materials for producing the same. 2,487,036, Nov. 1.
- Wise, Lawrence, Cedarhurst, assignor to Kentlee Sales Corporation, New York, N. Y. Christmas tree ornament. 2,476,011, July 12.
- Wise, Louis E.: *See*—
Pearl, Irwin A., and Wise.
- Wise, Millard F., Lemon Grove, Calif. Combination lock. 2,476,012, July 12.
- Wise, Paul H., Rocky River, assignor to Wingfoot Corporation, Akron, Ohio. Preparation of 1-cyano-1,3-butadiene. 2,473,486, June 14.
- Wise, Raleigh J., Dunellen, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile apparatus. 2,469,423, May 10.
- Wise, Raleigh J., Dunellen, and G. H. Riddings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph service equipment. 2,478,218, Aug. 9.
- Wise, Raleigh J., Dunellen, G. H. Riddings, Summit, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile transmission system. 2,483,449, Oct. 4.
- Wise, Royale: *See*—
Allen, Dwight P., and Wise.
- Wise, Solomon, Shaker Heights, Ohio. Liquid fuel tank cap. 2,472,737, June 7.
- Wisegarver, Burnett B.: *See*—
Ailes, Gordon A., and Wisegarver.
- Wiseley, Don C., Los Angeles, Calif. Brake holder system. 2,478,884, Aug. 9.
- Wiseman, Park A.: *See*—
McBee, Karl T., and Wiseman.
- Wiseman, William W., and R. B. Wright, Washington, D. C. Frequency displacement. 2,476,343, July 19.
- Wiseman, William W., and R. B. Wright, Washington, D. C. Frequency variation system for echo ranging. 2,491,540, Dec. 20.
- Wisen, Fred, assignee: *See*—
Wisen, Gust.
- Wisen, Gust, Saltsburg, assignor of fifty per cent to F. Wisen, Clarksburg, Pa. Fly killer. 2,490,498, Dec. 6.
- Wishart, Herbert W., University City, Mo., assignor to Curtiss-Wright Corporation. Packing means. 2,490,566, Dec. 6.
- Wishnovsky, Michael: *See*—
Austin, Gerald D., and Wishnovsky.
- Wishon, Dewey W., Oak Ridge, Tenn. Radiator testing device. 2,470,204, May 17.
- Wisler, John J., assignor to United Sound and Signal Co., Inc., Columbia, Pa. Supplemental storage unit for use with refrigerated cabinets. 2,465,142, Mar. 22.
- Wisman, Franklin O., and I. Andreasen, assignors to Bendix Aviation Corporation, South Bend, Ind. Electromagnetic speed sensing device. 2,480,802, Aug. 30.
- Wisner, Isadore, Brooklyn, assignor to Imperial Paper Box Corporation, New York, N. Y. Holder for phonograph records. 2,463,450, Mar. 1.
- Wiss, Adolph J., Pana, Ill., assignor to Phillips Petroleum Company. Liquid transference of dicyclopentadiene. 2,465,950, Mar. 29.
- Wisslaed, Kenneth E., Warsaw, Ill. Toy corn picker. 2,491,886, Dec. 20.
- Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Air actuated clutch and brake device. 2,472,452, June 7.
- Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Sliding die cushion. 2,488,047, Nov. 15.
- Wissmiller, Ivan L., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Leveling system for lifter roof tanks. 2,485,683, Oct. 25.
- Wisuri, Bernard J., Maynard, Mass. Vehicle signal and directional light. 2,483,687, Oct. 4.
- Wiswall, Harry B., Los Angeles, Calif. Spray type washing machine for solid objects. 2,471,506, May 31.
- Wiswall, Richard H., Jr., Oak Ridge, Tenn., assignor to American Cyanamid Company, New York, N. Y. Solvent stable metal phthalocyanine pigments and making the same. 2,486,351, Oct. 25.
- Witchger, Eugene J., assignor to The Lufkin Rule Co., Saginaw, Mich. Tape rule. 2,469,674, May 10.
- Witchger, Eugene J., assignor to The Lufkin Rule Co., Saginaw, Mich. Steel measuring rule. 2,471,709, May 31.
- Witchger, Eugene S., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vacuum system for windshield wipers and crankcase ventilators. 2,484,139, Oct. 11.
- Witherell, Robert R., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Fuel feed system for spray type oil burners. 2,484,920, Oct. 18.
- Withrow, Andrew H., Cincinnati, Ohio. Can opener and reshaper. 2,461,015, Feb. 8.
- Withrow, Floyd E., Concord, Calif. Monolithic wall molding machine. 2,470,671, May 17.
- Witkovic, Edward D., Meriden, Conn. Fly tying bobbin holder. 2,487,625, Nov. 8.
- Witkower, Leonard J., assignee: *See*—
Witkower, Max.
- Witkower, Max, Los Angeles, assignor to L. J. Witkower, West Los Angeles, Calif. Brassière. 2,484,440, Oct. 11.
- Witmer, Paul B., Lancaster, Pa. Door latch. 2,487,745, Nov. 8.
- Witous, Benjamin G., assignee, trustee: *See*—
Witous, Elizabeth M.
- Witous, Elizabeth M., Chicago, Ill., assignor to B. G. Witous and G. H. Irwin, as joint trustees. Maternity hose supporter. 2,484,978, Oct. 18.
- Witt, Emil, Detroit, Mich. Garden rake. 2,463,133, Mar. 1.
- Witt, Joshua C., Chicago, Ill. Apparatus for producing cement clinker and the like. 2,489,211, Nov. 22.
- Wittcoff, Harold: *See*—
Roach, John R., and Wittcoff.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Condensation of ketones with formaldehyde. 2,462,031, Feb. 15.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Rosin acid esters. 2,470,964, May 24.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Separation of the components of poly glycerol mixtures. 2,477,550, July 26.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Preparing low ash condensation products. 2,477,551, July 26.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Isolation of cross-linked polymers. 2,477,552, July 26.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Esters. 2,480,347, Aug. 30.

- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Saturated esters of ketone formaldehyde condensation products. 2,480,348, Aug. 30.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Fluid phosphatide composition. 2,483,748, Oct. 4.
- Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Quaternary ammonium salts. 2,483,749, Oct. 4.
- Witte, George W., Philadelphia, Pa. Holder for collapsible tubes. 2,474,080, June 21.
- Witte, Michael: *See*—
Lind, Charles J., and Witte.
- Witte, Michael, Eden, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Method of making para-nitrobenzene sulfonyl chloride. 2,465,951, Mar. 29.
- Witte, Michael, Eden, and M. G. Weige, Barker, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of para-nitrobenzene sulfonylchloride. 2,465,952, Mar. 29.
- Witte, Nicholas: *See*—
Witte, Samuel A., W. W. and P. W. Wittie, and Witte.
- Witte, Paul, assignor to The Budd Company, Philadelphia, Pa. Reversing switch control of press machine motors. 2,465,332, Mar. 22.
- Witte, Samuel A., W. W. and P. W. Wittie, and N. Witte, Chicago, Ill. Electrically heated fan-radiator apparatus. 2,481,963, Sept. 13.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Impact fuse. 2,469,587, May 10.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder light deviating means. 2,476,013, July 12.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Orthopseudo range finder. 2,478,442, Aug. 9.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Intermittent film-advancing mechanism. 2,481,706, Sept. 13.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Parallax correction device for camera view finders. 2,484,441, Oct. 11.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Lens supporting and focusing mechanism for motion-picture cameras. 2,487,913, Nov. 15.
- Wittmann Company, Inc., The, assignee: *See*—
Hockens, Grant E.
- Wittenberg, Hubert H., Lancaster, Pa., assignor to Radio Corporation of America. High-low impedance electron tube detector. 2,460,160, Jan. 25.
- Wittenberg, Margaret H., Millburn, N. J., assignor to Jantzen Knitting Mills, New York, N. Y. Brassiere. 2,462,295, Feb. 22.
- Wittenmyer, Carlos, Mount Clemens, Mich. Decimal rounding off mechanism. 2,469,675, May 10.
- Wittenwyler, Clifford V.: *See*—
Shokal, Edward C., Whitehill, and Wittenwyler.
- Witter, Lloyd E., Stanton, Mich. Road-sanding machine. 2,487,503, Nov. 8.
- Witter, Nora B., Binghamton, N. Y. Garment of the bifurcated nether type. 2,469,486, May 10.
- Withoff, Charles H., Detroit, assignor of one-half to J. F. Gohn, Grosse Ile, Mich. Antifriction bearing. 2,469,676, May 10.
- Withoff, Charles H., Detroit, assignor of one-half to J. F. Gohn, Grosse Ile, Mich. Combination radial and thrust bearing. 2,469,677, May 10.
- Wittie, Philip W.: *See*—
Witte, Samuel A., W. W. and P. W. Wittie, and Witte.
- Wittie, William W.: *See*—
Witte, Samuel A., W. W. and P. W. Wittie, and Witte.
- Wittie, Clarence R., Lancaster, Pa. Toolholder. 2,475,268, July 5.
- Wittman, Alma, Petersburg, Mich. Hair curl holder pin. 2,473,186, June 14.
- Wittman, Richard C., Emporium, Pa. Sectional heater. 2,487,626, Nov. 8.
- Wittner, Murray S., Ambler, Pa. Track cleaner. 2,475,771, July 12.
- Witucky, Leo A.: *See*—
Kojan, John J.
- Witzel, Ernst, assignor, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis. Electric iron. 2,486,352, Oct. 25.
- Witzke, Raymond L.: *See*—
Griscom, Samuel B., and Witzke.
- Witzke, Raymond L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,459,607, Jan. 18.
- Witzky, Julius E., Stuttgart-Cannstatt, W. S. Lang, and R. J. Jakob, Wendlingen-Neckar, Germany, assignors to the United States of America as represented by the Secretary of War. Hydraulic control means for internal-combustion engines. 2,488,361, Nov. 15.
- Wiur, Harry, Richmond Hill, N. Y. Grafting holder for potatoes, fruits, and the like. 2,488,362, Nov. 15.
- Wixon, Paul E., and C. E. Chapman, Baltimore, Md., assignors to J. Shapiro. Paper cup beader. 2,473,836, June 21.
- Wobbe, Delbert E.: *See*—
Martin, William M., Pillnik, and Wobbe.
- Wobbe, Delbert E., Maywood, and W. F. Pillnik, Harvey, Ill., assignors to American Can Company, New York, N. Y. Can body solder fluxing mechanism. 2,460,866, Feb. 8.
- Wobser, Herman C., Sylvania, and R. A. Monahan, assignors to The Ramona Products Company, Toledo, Ohio. Water heater. 2,492,253, Dec. 27.
- Wochner, Henry, assignor to Bear Manufacturing Company. Plier for removing balance weights. 2,489,842, Nov. 29.
- Wochos, Wenzel M., Jr.: *See*—
Ensign, George G., Lawson, Schaefer, and Wochos.
- Wodal, Francis A., Camden, N. J., and H. M. Crain, Phillipsburg, Pa. Averaging device. 2,481,555, Sept. 13.
- Woehrel, Marie, New York, N. Y. Sterilizer for barber shops and beauty parlors. 2,458,757, Jan. 11.
- Woell, Anna M. L., Pompton Lakes, N. J. Ribbon separating device and method. 2,463,732, Mar. 8.
- Wofford, Olive H., Miami Beach, Fla. Adjustable support. 2,489,553, Nov. 29.
- Wohl, Waldemar M., assignor to The Yoder Company, Cleveland, Ohio. Evaporator structure. 2,481,556, Sept. 13.
- Wohland, Edward C., Chicago, Ill. Baby buggy guard. 2,480,534, Aug. 30.
- Wohler, Leonard A., Akron, Ohio, and H. W. Greenup, Barrington, R. I., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Molding of rubber sponges. 2,476,827, July 19.
- Wohlfeld, Frederick W.: *See*—
Bobek, William J., and Wohlfeld.
- Wohlgenuth, Adolph J., Brooklyn, N. Y. Remote-control system. 2,462,343, Feb. 22.
- Wohlstetter, Albert, assignee: *See*—
Wachsmann, Konrad.
- Wohlstetter, Charles, assignee: *See*—
Wachsmann, Konrad.
- Wohnsiedler, Henry P., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Thermosetting resins plasticized with polyesters. 2,479,090, Aug. 16.
- Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Colloidal melamine-urea-formaldehyde copolymer solutions. 2,485,079, Oct. 18.
- Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Colloidal melamine-urea-formaldehyde copolymer solutions. 2,485,080, Oct. 18.
- Wohrer, Henry, assignor to Johnson Service Company, Milwaukee, Wis. Humidostatic element. 2,469,537, May 10.
- Woina, Benjamin A., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Pivoted angular bender. 2,487,747, Nov. 8.
- Wojtech, Joseph, Jr., Irvington, N. J. Wheel support. 2,490,184, Dec. 6.
- Wolanske, Raymond, North Tonawanda, assignor to Hygrade Industries, Inc., Buffalo, N. Y. Pocket lighter for cigars and cigarettes. 2,470,734, May 17.
- Wolcott, Carl H.: *See*—
Peterson, Carl D., Deimel, and Wolcott.
- Wolecott, David W., Portland, Oreg. Collapsible and adjustable clothes rack. 2,479,887, Aug. 23.
- Wolcott, Herbert, Columbia, Mo. Auxiliary backwash for water-treating systems. 2,461,619, Feb. 15.
- Woldring, Bert, and J. R. Sebastian, assignors to Rapids-Standard Co., Inc., Grand Rapids, Mich. Conveyor. Re. 23,079, Jan. 11.
- Wolf, Abraham, Vineland, N. J. Mobile body. 2,472,357, June 7.
- Wolf, Alexander, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Seismic exploration with control of directional sensitivity. 2,477,844, Aug. 2.
- Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Measurement of thickness. 2,486,902, Nov. 1.
- Wolf, Alfred A., Dallastown, Pa. Error recorder. 2,488,574, Nov. 22.
- Wolf, Allen C., Atlanta, Ga., assignor of one-third to A. I. Jackson, Whitmire, S. C., and one-third to A. J. Ingrom, Atlanta, Ga. Safety knife. 2,474,609, June 28.
- Wolf Brothers, assignee: *See*—
Wolf, Howard A.
- Wolf, Clayton S., Salt Lake City, Utah, and W. J. Kruppa, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Dustless plastification of ultramarine raw mix. 2,468,610, Apr. 26.
- Wolf, Darwin M., Long Beach, Calif. Noisemaking device. 2,459,300, Jan. 18.
- Wolf, Edward, Cuyahoga Falls, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Pin locking device for castored airplane main landing wheels. 2,489,115, Nov. 22.
- Wolf, Elias, assignee, et al.: *See*—
Wolf, Howard A.
- Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. 2- or 4-amino quinazolines. 2,461,950, Feb. 15.
- Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. 2- and 4-sulfanilamido quinazoline. 2,473,931, June 21.

- Wolf, Frank J., Westfield, and K. Pfister, III, Summit, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of benzotriazine compounds. 2,489,351, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Summit, assignors to Merck & Co., Inc., Rahway, N. J. Halogen compounds of 3 amino-benzotriazine 1,2,4 oxide-1. 2,489,352, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Benzotriazines. 2,489,353, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Benzotriazines. 2,489,354, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Benzotriazines. 2,489,355, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Benzotriazines and preparing the same. 2,489,356, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Benzotriazines. 2,489,357, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Benzotriazines. 2,489,358, Nov. 29.
- Wolf, Frank J., Westfield, and K. Pfister, III, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Benzotriazines. 2,489,359, Nov. 29.
- Wolf, Frank J., Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Streptomycin composition of reduced toxicity. 2,472,453, June 7.
- Wolf, Frederick L., Inglewood, and C. L. Hehr, Los Angeles, Calif. Broadcast system for producing simultaneous alarm signals in a plurality of telephone stations. 2,465,826, Mar. 29.
- Wolf, Gaylord E., Pittsburgh, Pa. Package for dispensing interfolded sheets. 2,473,932, June 21.
- Wolf, Glenn C., Mattoon, Ill. Apparatus for the observation and counting of microscopic bodies. 2,480,312, Aug. 30.
- Wolf, Howard A., Philadelphia, Pa., assignor to E. H. A. and W. L. Wolf, copartners trading as Wolf Brothers. Making a bag having a filler mouthpiece in one end. 2,458,972, Jan. 11.
- Wolf, Jerome S., assignee: *See—*
King, John H., Wolf, and Calvert.
- Wolf, Menno, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Deflection circuit. 2,473,983, June 21.
- Wolf, Morris D., Chicago, Ill. One-person seesaw. 2,474,081, June 21.
- Wolf, Otto R., Oak Park, assignor to Tribune Company, Chicago, Ill. Multicolor printing press. 2,462,032, Feb. 15.
- Wolf, Paul A.: *See—*
Coleman, Gerald H., and Wolf.
Silvernail, Lloyd H., and Wolf.
- Wolf, Walter A., Logansport, Ind. Electric switch control mechanism. 2,466,292, Apr. 5.
- Wolf, Walter L., assignee, et al.: *See—*
Wolf, Howard A.
- Wolfe, Bernard J., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Slide projector. 2,477,107, July 26.
- Wolfe, Charles M.: *See—*
Sutton, George P., Wolfe, and Widenmann.
- Wolfe, Daniel D., Dayton, Ohio. Adjustable holder for compressible cleaning materials. 2,477,471, July 26.
- Wolfe, Everett K., St. Albans, N. Y. Combination kiddycar and article carrier. 2,468,532, Apr. 26.
- Wolfe, H. Hix, and E. W. Haas, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio. Deep and shallow well pump. 2,475,118, July 5.
- Wolfe, Harry M., assignee: *See—*
Burr, Gus H.
Turner, Leslie B.
- Wolfe, Lester: *See—*
Friedman, Herbert, and Wolfe.
- Wolfe, Paul, assignor of one-half to R. V. Mealey, St. Paul, Minn. Play hat. 2,474,507, June 28.
- Wolfe, William D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Interpolymers of butadiene, acrylonitrile, and a hexadiene. 2,491,433, Dec. 13.
- Wolfenden, Edward A., Roanoke, Va., assignor to Star Head-Light & Lantern Co., Inc., Rochester, N. Y. Electric lantern. 2,486,725, Nov. 1.
- Wolffers, Philip, Valley Stream, assignor to Powdermaster Products Inc., New York, N. Y. Compact. 2,468,153, Apr. 26.
- Wolffers, Philip, Valley Stream, assignor to Powdermaster Products Inc., New York, N. Y. Lady's portable powder dispenser. 2,472,874, June 14.
- Wolff, Christian B., Jr., Butte, Mont. Differential leverage brake transmission. 2,484,921, Oct. 18.
- Wolff, Edward L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Continuous pouring furnace. 2,458,236, Jan. 4.
- Wolff, Frederick J., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Adjustable mount for optical elements. 2,461,190, Feb. 8.
- Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Aircraft instrument indicator. 2,475,212, July 5.
- Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Radio navigation aid. 2,480,068, Aug. 23.
- Wolff, Irving, and P. J. Herbst, Princeton, N. J., assignors to Radio Corporation of America. Instrument landing system. 2,459,481, Jan. 18.
- Wolff, Julius, Amstenrade, Netherlands; vested in the Attorney General of the United States. Method of and apparatus for producing artificial sausage skins. 2,460,480, Feb. 1.
- Wolff, Julius, Amstenrade, Netherlands; vested in the Attorney General of the United States. Apparatus for stripping and drying artificial sausage skins. 2,469,621, May 10.
- Wolff, Otto E.: *See—*
Messina, Rosario J., and Wolff.
- Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Film holder. 2,472,358, June 7.
- Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Self-developing camera. 2,477,324, July 26.
- Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Film-holder for self-developing cameras. 2,483,389, Oct. 4.
- Wolfgang, Louis, assignee: *See—*
Bergeron, Lauren A.
- Wolfer, William F., II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass. Electric detection apparatus. 2,483,450, Oct. 4.
- Wolfram, George: *See—*
Stucker, Joseph B., Fronczak, and Wolfram.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,458,817, Jan. 11.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,459,608, Jan. 18.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,459,609, Jan. 18.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,466,526, Apr. 5.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for flareless tubes. 2,466,527, Apr. 5.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,473,118, June 14.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for flareless tubes. 2,473,119, June 14.
- Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,473,120, June 14.
- Wolfram, John N., and S. W. Packard, assignors to The Parker Appliance Company, Cleveland, Ohio. Four-piece hose coupling. 2,470,538, May 17.
- Wolfram, John N., and E. C. Hartley, assignors to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,478,149, Aug. 2.
- Wolfrum, Harold P., Defiance, Ohio. Ball-and-socket implement coupler. 2,481,461, Sept. 6.
- Wolfset, Murray, Brooklyn, N. Y. Extinguishing ash tray. 2,481,378, Sept. 6.
- Wolfskill, John M., assignor to Bilely Electric Company, Erie, Pa. Crystal drier. 2,461,489, Feb. 8.
- Wolfskill, John M., Erie, Pa. Piezoelectric crystal apparatus. 2,467,353, Apr. 12.
- Wolfskill, John M., assignor to Bilely Electric Company, Erie, Pa. Production of piezoelectric crystals. 2,479,286, Aug. 16.
- Wolfskill, John M., Erie, Pa. Piezoelectric crystal holder. 2,481,806, Sept. 13.
- Wolfson, Henry, and S. C. Shepard, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Periodic electromagnetic relay. 2,482,820, Sept. 27.
- Wolgemuth, William L.: *See—*
Noble, Sidney G., and Wolgemuth.
- Wolk, I. Louis: *See—*
Dutcher, Harris A., and Wolk.
- Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Emulsion polymerization. 2,458,456, Jan. 4.
- Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of hydrocarbons. 2,465,049, Mar. 22.
- Woll, Richard F.: *See—*
Hathaway, Clarence B., and Woll.
Walton, Howard T., and Woll.
- Wollan, Ernest O.: *See—*
Landsverk, O. G., and Wollan.
- Wollan, Ernest O., Chicago, Ill. Fast neutron meter. 2,481,964, Sept. 13.
- Wollan, Ernest O., and L. A. Pardue, Oak Ridge, Tenn., and N. Goldstein, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation exposure meter. 2,483,991, Oct. 4.

- Wollensak Optical Company, assignee: *See—*
Czarnikow, George K.
Czarnikow, George K., and Van Horn.
Lidfeldt, Alfred L., and Pickens.
Pirwitz, Friedrich A.
Pirwitz, Friedrich A. G.
- Woller, Edward E., assignor to Simmons Company, Kenosha, Wis. Adjustable crib bottom. 2,481,965, Sept. 13.
- Wollman, Wolf B.: *See—*
Pratt, Irwin, and Wollman.
- Wollner, Paul, Weehawken, N. J., assignor, by mesne assignments, to Aeroil Products Company, Inc., West New York, N. J. Melting apparatus for bituminous materials. 2,465,953, Mar. 29.
- Wollner, Paul, Weehawken, assignor, by mesne assignments, to Aeroil Products Company, Inc., West New York, N. J. Vaporizing coil type oil burner. 2,467,450, Apr. 19.
- Wolongiewicz, Stephanie, assignee: *See—*
Roberts, William T.
- Wolsey Limited, assignee: *See—*
Alexander, Peter.
Alexander, Peter, and Bell.
Alexander, Peter, Burrows, and Smith.
- Wolski, Alois, assignee: *See—*
Jakubowski, Bruno.
- Wolters, Maude, Kenmore, N. Y. Plastic window ventilator. 2,484,769, Oct. 11.
- Wolwin Chair Company, The, assignee: *See—*
Ellsworth, Ralph H.
- Womack, James A., Atlanta, Ga. Display and self-service cabinet. 2,492,912, Dec. 27.
- Wommack, Kenneth L.: *See—*
Langer, Bernard F., and Wommack.
- Wondra, Edward J., Mayville, Wis. Grain blower drive mechanism. 2,462,588, Feb. 22.
- Wong, James T., Vallejo, Calif. Making preformed packing. 2,468,797, May 3.
- Wonnacott, Norman, Scarsdale, and C. R. Backlin, Floral Park North, assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,461,951, Feb. 15.
- Wooch, Herbert J., Alhambra, assignor to H. E. Linden, Los Angeles, Calif. Renewable plow edge. 2,475,536, July 5.
- Wooch, Walter R. J., Lodi, Calif. Fishing tackle retriever. 2,479,448, Aug. 16.
- Wood, Alden O., Parma, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for simultaneously inductively heating a plurality of articles. 2,471,471, May 31.
- Wood, Alden O., Parma, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Inductively heating danged articles. 2,477,029, July 26.
- Wood, Alden O., Parma, and J. T. Vaughan, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Method of and apparatus for dual coil induction heating. 2,468,796, May 3.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine clutch. 2,460,247, Jan. 25.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-trimming and pull-off mechanism for sewing machines. 2,474,710, June 28.
- Wood, Arthur F.: *See—*
Coulter, John H., and Wood.
- Wood, Arthur F., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Offset resistance welding electrode with coolant tube. 2,489,993, Nov. 29.
- Wood, Bourdette R., Shaker Heights, assignor to The Master Builders Company, Cleveland, Ohio. Resurfacing masonry and concrete structures. 2,488,251, Nov. 15.
- Wood, Bourdette R., Shaker Heights, assignor to The Master Builders Company, Cleveland, Ohio. Surfacing material. 2,488,252, Nov. 15.
- Wood, Charles D., Portland, Oreg. Knitting apparatus. 2,490,607, Dec. 6.
- Wood, Charles H., assignee: *See—*
Myott, Ernie B.
- Wood, Clifford: *See—*
Haddock, Norman H., and Wood.
- Wood, Clyde W., assignee: *See—*
Little, Charles F.
- Wood, Conrad, assignor to Wood Manufacturing Company, El Dorado, Ark., J. B. Wood, sole owner. Artificial bait. 2,485,179, Oct. 18.
- Wood Conversion Company, assignee: *See—*
Heritage, Clark C.
- Wood, Delos R., St. Paul, Minn. Warning device for refrigerators. 2,475,069, July 5.
- Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. Split field range finder for cameras interconnected to camera lens. 2,464,166, Mar. 8.
- Wood, Earl H.: *See—*
Clark, David M., Wood, and Schroeder.
- Wood, Elmer G., Taylor Ridge, Ill. Model airplane control line apparatus. 2,478,351, Aug. 9.
- Wood, Elton J., Hopewell, N. J., assignor to Radio Corporation of America. Phosphors. 2,470,451, May 17.
- Wood, Elton J., Hopewell, N. J., assignor to Radio Corporation of America. Making phosphor materials. 2,474,506, June 28.
- Wood, Eric W., assignee: *See—*
Smith, George W., Jr.
- Wood, Francis G., East Detroit, Mich. Illuminated radio antenna. 2,473,981, June 21.
- Wood, Frank, Elmhurst, Ill., assignor to Zenith Radio Corporation. Variable inductance. 2,462,822, Feb. 22.
- Wood, Frank, Elmhurst, Ill., assignor to Zenith Radio Corporation. Coil form mounting. 2,489,392, Nov. 29.
- Wood, Frank J., Riverside, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyor. 2,491,405, Dec. 13.
- Wood, Franz J., Des Moines, Iowa. Poultry feeder. 2,475,070, July 5.
- Wood, Frederic E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,473,982, June 21.
- Wood, Fremont E., Long Beach, Calif. Annunciator. 2,471,666, May 31.
- Wood, Garfield A., Miami Beach, Fla. Boat. 2,464,957, Mar. 22.
- Wood, George, Haselton, and J. Mahon, Cold Aston, Cheltenham, England. Drying grain. 2,469,424, May 10.
- Wood, Halbert M., Madison, Wis. Chair, table, and desk combination. 2,459,257, Jan. 18.
- Wood, Henry W.: *See—*
Kendall, John D., Suggate, and Wood.
- Wood, Homer J., assignor to The Garrett Corporation, Aircsearch Manufacturing Company Division, Los Angeles, Calif. Aircraft cooling by air-driven turbine means. 2,479,991, Aug. 23.
- Wood, Homer J., assignor to The Garrett Corporation, Los Angeles, Calif. Hydraulically controlled variable-speed transmission. 2,485,126, Oct. 18.
- Wood, Homer J., assignor to The Garrett Corporation, Los Angeles, Calif. Pressurization system for aircraft. 2,491,461, Dec. 13.
- Wood, Homer J., assignor to The Garrett Corporation, Los Angeles, Calif. Gas turbine driven air conditioning and auxiliary drive system. 2,491,462, Dec. 13.
- Wood, Homer J., assignor to The Garrett Corporation, Los Angeles, Calif. Turbine driven fluid circulating unit. 2,492,672, Dec. 27.
- Wood, J. B., sole owner: *See—*
Wood, Conrad.
- Wood, John, Manufacturing Company, Inc., assignee: *See—*
Hooper, Clifford F. T.
Willson, David S.
- Wood, John L., Woodside, and V. du Vigneaud, Scarsdale, N. Y., assignors to the people of the United States. Imidazolone preparation. 2,492,373, Dec. 27.
- Wood, Joseph D., Upper Darby, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Arc chute. 2,468,422, Apr. 26.
- Wood, Joseph H., Ponchatoula, La. Electric guardgate for stock. 2,476,233, July 12.
- Wood, Lawrence A., Jr., and W. P. Miller, Indianapolis, Ind., assignors to Radio Corporation of America. Phonograph record composition containing as a binder shellac and coumarone-indene resin. 2,487,746, Nov. 8.
- Wood, Louis S., Burlingame, Calif. Power-operated tail gate mechanism for vehicles. 2,469,321, May 3.
- Wood, Louis S., Burlingame, Calif. Truck body hoisting mechanism. 2,488,790, Nov. 22.
- Wood, Louvan E., Baltimore, Md. Instrument protective apparatus. 2,468,698, Apr. 26.
- Wood, Louvan E., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Evacuation pump and filler assembly for filling batteries. 2,488,573, Nov. 22.
- Wood Manufacturing Company, assignee: *See—*
Wood, Conrad.
- Wood, Maurice L.: *See—*
Crampton, Donald K., and Wood.
- Wood, Max W., New Orleans, La. Device for coring and cutting grapefruit. 2,468,282, Apr. 26.
- Wood, Merrill A., Rochester, N. Y. Combination of electrical units and mounting the same. 2,466,192, Apr. 5.
- Wood, Milton E., Staten Island, N. Y. Electrical baking mold. 2,473,402, June 14.
- Wood Newspaper Machinery Corporation, assignee: *See—*
Tollison, Paul L., and Ricards.
- Wood, Nyal B.: *See—*
Smith, Henry L., and Wood.
- Wood, Reginald T., St. Albans, England. Landing gear for aircraft. 2,472,641, June 7.
- Wood, Robert O., Upper Montclair, N. J. Production of molded articles. 2,458,327, Jan. 4.
- Wood, Ross, East Pepperell, assignor to Raytheon Manufacturing Company, Newton, Mass. Subminiature type vacuum tube structure. 2,476,940, July 19.
- Wood, Ross, Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrode structure for electrical space discharge tubes. 2,459,861, Jan. 25.
- Wood, Russell A., Cambridge, Mass. Skill device. 2,458,668, Jan. 11.
- Wood, Seth, Pawtucket, R. I. Yarn guiding block for weaving shuttles. 2,470,064, May 10.
- Wood, Sylvan R., Stillwater, assignor to Cities Service Oil Company, Bartlesville, Okla. Dichloro methyl sulphenyl chloride. 2,484,061, Oct. 11.

- Wood, Thomas E., Phoenix, Ariz. Ash tray and extinguisher. 2,485,228, Oct. 18.
- Wood, Thomas L., Winston-Salem, N. C. Scaffolding. 2,465,143, Mar. 22.
- Wood, William: *See*—
Nachod, Frederick, and Wood.
- Wood, William H., Arden, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl esters and dioxolane. 2,479,146, Aug. 16.
- Wood, William H., University Heights, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. X-ray opaque marking means. 2,462,018, Feb. 15.
- Wood, William H., University Heights, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Photographic developers. 2,477,323, July 26.
- Wood, William H., University Heights, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Developing inks. 2,478,070, Aug. 2.
- Wood, William, Jr., Vancouver, British Columbia, Canada. Top lift. 2,467,247, Apr. 12.
- Wood, William W., Washington, D. C. Device for forming and projecting composite images. 2,488,955, Nov. 22.
- Wood, William W., Jr., Staten Island, and Gunne Lowkrantz, Binghamton, N. Y., assignors to Link Aviation, Inc. Natural horizon simulating device for training purposes. 2,475,366, July 5.
- Woodall-Duckham (1920) Limited, assignee: *See*—
Rider, Douglas, and Chadder.
- Woodall Industries Incorporated, assignee: *See*—
Greig, James W.
- Woodard, Floyd R., Webster City, Iowa. Grain unloading and mixing vehicle. 2,466,923, Apr. 12.
- Woodard, G. T., assignee: *See*—
Killian, Norman G.
- Woodard, Phebe H., executrix, assignee: *See*—
Woodard, William E., and Filander.
- Woodard, William E., deceased, Forest Hills, N. Y., P. H. Woodard, executrix, Forest Hills, N. Y., and A. H. Filander, Baltimore, Md.; said Filander assignor to Lima-Hamilton Corporation, and said P. H. Woodard assignor to P. H. Woodard. Tube securing means for locomotive and other boilers. 2,469,487, May 10.
- Woodberry, John H., and F. W. Hoewischer, Metuchen, N. J. Apparatus for discharging from feed chutes improperly oriented cartridges. 2,458,546, Jan. 11.
- Woodbridge, Leonard A., Woodford, assignor to A. C. Cosor Limited, London, England. Cathode-ray tube. 2,472,766, June 7.
- Woodbury, Charles H., and G. F. Brooks, Los Angeles, Calif. Hand covering. 2,459,985, Jan. 25.
- Woodbury, John B., L. N. Woodbury, South Portland, Maine, executrix of said J. B. Woodbury, deceased. Holder for cooking wieners and the like. 2,479,533, Aug. 16.
- Woodbury, Leona N., executrix: *See*—
Woodbury, John B.
- Woodell, Rudolph, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial filaments and yarn. 2,462,927, Mar. 1.
- Woodhead, Jonas, & Sons Limited, assignee: *See*—
Carver, Henry R.
- Woodin, John C., Middle River, Md. Aquaplane. 2,491,541, Dec. 20.
- Woodin, Nora A., executrix: *See*—
Soller, Walter.
- Woodin, Truman O., Laurens, Iowa. Automatically adjustable sickle bar. 2,484,140, Oct. 11.
- Woodin, William H., Jr., assignee: *See*—
Soller, Walter.
- Woodington, George L.: *See*—
Hirst, Charles D., and Woodington.
- Woodington, Vera J., assignee: *See*—
Hirst, Charles D., and Woodington.
- Woodland, John S., Youngstown, Ohio. Anchor. 2,464,661, Mar. 15.
- Woodland, Lester A., and G. E. Gage, Lewiston, Idaho. Leader spool. 2,463,009, Mar. 1.
- Woodland, Percy T., Swallow, Alberta, Canada. Harvester for sugar cane or the like. 2,481,462, Sept. 6.
- Woodling, George V., Cleveland, Ohio. Flareless tube coupling. 2,472,872, June 14.
- Woodling, George V., Cleveland, Ohio. Connecting device. 2,474,880, July 5.
- Woodling, George V., Cleveland, Ohio. Turnable coupling member. 2,477,676, Aug. 2.
- Woodling, George V., Cleveland, Ohio. Turnable coupling member. 2,477,677, Aug. 2.
- Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Direction-controlling mechanism for guns. 2,467,514, Apr. 19.
- Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun carriage. 2,478,995, Aug. 16.
- Woodman, Thomas C., London, England, assignor, by mesne assignments, to Celanese Corporation of America. Loom temple. 2,468,908, May 3.
- Woodring, William R., Van Nuys, Calif. Box connector for flexible electrical conduits. 2,468,854, May 3.
- Woodrow, Charles N.: *See*—
Gottschalk, Lawrence W., and Woodrow.
- Woodroyd Tools Limited, assignee: *See*—
Isherwood, Francis P., and Ecroyd.
- Woodruff, Clarence M., Dayton, Ohio. Transmitter. 2,460,326, Feb. 1.
- Woodruff, Clarence M., Dayton, Ohio. Pulse generator. 2,467,415, Apr. 19.
- Woodruff, Eugene H., assignor to The Upjohn Company, Kalamazoo, Mich. Basic thio esters. 2,488,253, Nov. 15.
- Woodruff, Francis J., Detroit, Mich. Folding table with paired legs. 2,474,450, June 28.
- Woodruff, Howard C., Mamaroneck, assignor to Heyden Chemical Corporation, New York, N. Y. Coating compositions comprising reaction products of pentaerythritol and bodied triglyceride drying oils. 2,486,353, Oct. 25.
- Woodruff, Morgan L., Waban, Mass. Davit. 2,473,557, June 21.
- Woodruff, William N.: *See*—
Herschede, Walter J., Foy, and Woodruff.
- Woodrum, Myrtle A., Forest Hills, N. Y. Hair drier. 2,472,873, June 14.
- Woods, Andrew M., Lansing, Mich. Device for forming concrete steps. 2,489,604, Nov. 29.
- Woods, Auburn, Jr.: *See*—
Coker, Richard G., and Woods.
- Woods, Cecil E., assignor to The Specialty Manufacturing Co., Denver, Colo. Lamp shade supporting device for extractors. 2,463,842, Mar. 8.
- Woods, Charles L., Quincy, Ill. Extensible drum float for water craft. 2,479,659, Aug. 23.
- Woods, Clayton W., Omaha, Nebr. Liquid filter. 2,459,353, Jan. 18.
- Woods, Fred D., Glencoe, assignor to Autopoint Company, Chicago, Ill. Clip for mechanical pencils, fountain pens, and the like. 2,468,699, Apr. 26.
- Woods, Gorham W., assignor to The Lincoln Electric Company, Cleveland, Ohio. Welding electrode. 2,465,503, Mar. 29.
- Woods, Harold A., W. J. Yates, and L. Kligen, Martinez, and R. C. Barton, Piedmont, assignors to Shell Development Company, San Francisco, Calif. Manufacture of grease. 2,470,965, May 24.
- Woods, Herbert J., Greensboro, N. C., assignor to Burlington Mills Corporation, County of New Castle, Del. Weighting and unweighting device for drafting rolls. 2,492,082, Dec. 20.
- Woods, John M.: *See*—
Bjork, Carol F., and Woods.
- Woods, Ralph A.: *See*—
Hopkins, Ben, and Woods.
- Woods, Ralph A., Morgantown, Ind. Tandem axle construction for trucks. 2,458,816, Jan. 11.
- Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Flutter dampener. 2,469,488, May 10.
- Woods, Warren G., assignor to Beech Aircraft Corporation, Wichita, Kans. Shear carrying fastener. 2,479,992, Aug. 23.
- Woodside, Vernon: *See*—
Fuller, Robert R., and Woodside.
- Woodstock Typewriter Co., assignee: *See*—
Koca, James F.
- Woodstock Typewriter Company, assignee: *See*—
Gattuso, Peter F.
Sears, Richard W., II.
- Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Forming phosphonic and thio-phosphonic acid chlorides. 2,471,472, May 31.
- Woodward, Charles F.: *See*—
Haines, Paul G., Eisner, and Woodward.
- Woodward, Charles F., Abington, and L. Weil, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Nicotinium salts and their production. 2,463,666, Mar. 8.
- Woodward, Charles F., Abington, Pa., F. L. Howard, Kingston, and H. L. Kell, Wakefield, R. I., and L. Weil, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Fungicidal nicotinium salt compositions. 2,466,788, Apr. 12.
- Woodward, Clifford D., and F. E. Ralph, Butte, Mont., assignors to Anaconda Copper Mining Company. Automatic dump skip. 2,479,449, Aug. 16.
- Woodward, David W.: *See*—
Corner, James O., and Woodward.
McQueen, David M., and Woodward.
- Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements having hydrophilic polyvinyl acetal colloid sublayers. 2,462,151, Feb. 22.
- Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrophilic dye intermediates. 2,473,403, June 14.
- Woodward, Eric R., New York, N. Y., assignor to Mathieson Chemical Corporation. Bleaching glyceridic esters. 2,473,930, June 21.
- Woodward, Eric R., New York, N. Y., assignor to The Mathieson Chemical Corporation. Chemical manufacture. 2,482,958, Sept. 27.
- Woodward, Eric R., New York, and I. Malmstrom, Brooklyn, N. Y., assignors to Mathieson Chemical Corporation. Bleaching wool grease. 2,481,463, Sept. 6.

- Woodward, Foster R., Pleasant Ridge, Mich., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spring type force measuring gauge. 2,476,941, July 19.
- Woodward Governor Company, assignee: *See*—
Bovey, Donald E.
Drake, George F.
Parker, George E.
Sorensen, George E.
- Woodward, Henry P. J., assignee: *See*—
Hunt, Ernest W.
- Woodward, Horace L., Jr., Arlington, Va., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric cell color temperature measuring device. 2,462,823, Feb. 22.
- Woodward, J. Guy: *See*—
Hall, Hubert N., and Woodward.
- Woodward, J. Guy, Princeton, N. J., assignor to Radio Corporation of America. Acoustic attenuator. 2,470,597, May 17.
- Woodward, John C., and R. L. Snell, Elkhart, Ind., and R. S. Nicholls, Ogmores-by-Sea, Wales, assignors to Miles Laboratories, Inc., Elkhart, Ind. Conditioning molasses and the like for production of citric acid by fermentation. 2,492,673, Dec. 27.
- Woodward, John D., Sewell, N. J., assignor to Radio Corporation of America. Variable frequency oscillation generator. 2,490,499, Dec. 6.
- Woodward, Oakley M., Jr.: *See*—
Brown, George H., and Woodward, Jr.
- Woodward, Robert B., Cambridge, Mass., and W. von E. Doering, New York, N. Y., assignors to Polaroid Corporation, Cambridge, Mass. 7-hydroxyisoquinoline derivatives and preparing the same. 2,475,932, July 12.
- Woodward, William H., Detroit, Mich. Base for portable devices. 2,467,175, Apr. 12.
- Woodworth, Fred A., Minneapolis, Minn. Fire extinguisher. 2,479,801, Aug. 25.
- Woodworth, N. A., Company, assignee: *See*—
Hohwart, George.
Hohwart, George and E. F.
Hohwart, George and Hohwart.
- Woody, Joseph R., Navy Yard, Charleston, S. C. Clip for pens and pencils. 2,470,421, May 17.
- Woodyard, John R., Garden City, N. Y., assignor to The Sperry Corporation. Ultra high frequency apparatus of the cavity resonator type. 2,468,152, Apr. 26.
- Woodyard, John R., and W. W. Hansen, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency apparatus. 2,466,067, Apr. 5.
- Woodyard, John R., and E. L. Ginzton, Garden City, and V. R. Learned, Hempstead, N. Y., assignors to The Sperry Corporation. Object detector and velocity indicator. 2,491,542, Dec. 20.
- Woofter, Stanley L.: *See*—
Linamen, Wade L., and Woofter.
- Woolcott, Arthur J.: *See*—
Howlett, John W., and Woolcott.
- Woolcott, Harry M., Jr.: *See*—
Woolcott, John P., and Harry M.
- Woolcott, John P., and H. M. Woolcott, Jr., Harrisburg, Ill. Purifier sieve and mounting means therefor. 2,487,914, Nov. 15.
- Wooldridge, Dean E.: *See*—
Townes, Charles H., and Wooldridge.
- Woolf, Cyril: *See*—
Galitzenstein, Eugene G., and Woolf.
- Woolf, James W.: *See*—
Russell, John D., and Woolf, J. W.
- Woolford, Custis S., South Orange, N. J., assignor to American Can Company, New York, N. Y. Solder wiper mechanism with shielding means. 2,460,327, Feb. 1.
- Woolley, Lee A., assignor to Kingston Products Corporation, Kokomo, Ind. Fence charging circuit. 2,471,993, May 31.
- Woolman, James E., U. S. Army, Elkton, Md. Wire insulation stripper. 2,477,678, Aug. 2.
- Woolnough, Geoffrey L., Sale, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Electrical energy regulator. 2,487,204, Nov. 8.
- Woolsey, Theodore A., Pasadena, Calif., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Drive and belt guard assembly for motorized bicycles and the like. 2,490,245, Dec. 6.
- Woolsey, Theodore A., Pasadena, and R. A. Webster, Santa Monica, Calif., assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Motor mount for motorized bicycles. 2,488,613, Nov. 22.
- Woolslayer, Homer J., and C. Jenkins, Tulsa, Okla., assignors, by mesne assignment, to Lee C. Moore Corporation, Pittsburgh, Pa. Folding substructure. 2,463,841, Mar. 8.
- Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Pipe rack. 2,464,109, Mar. 8.
- Woolslayer, Homer J., C. Jenkins, and W. H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Oil well drilling apparatus having crown block movable lengthwise of mast. 2,472,359, June 7.
- Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Marine drilling rig. 2,475,933, July 12.
- Woolworth, F. W., Co., assignee: *See*—
Zecher, Emil D.
- Woonsocket Rayon, Inc., assignee: *See*—
Costa, Joseph L., and Kahler.
- Woosley, Duncan P.: *See*—
Waller, Cecil, and Woosley.
- Wooster, Charles B., assignor to Rohm & Haas Company, Philadelphia, Pa. Pyrolysis of beta-oximino-tert-butyl pyridinium chloride. 2,471,994, May 31.
- Wooster, Leonard C., Clayton, Mo., and E. E. Gardiner, Mission, Tex., assignors, by mesne assignments, to Stan-cal Asphalt & Bitumuls Company, San Francisco, Calif. Adhesive composition for paper. 2,489,170, Nov. 22.
- Wooster Rubber Company, The, assignee: *See*—
Caldwell, James K.
- Wooten, Leland A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge device. 2,462,245, Feb. 22.
- Wooten, William A.: *See*—
Laube, Grover, and Wooten.
- Worcester Film Corporation, assignee: *See*—
Ramsdell, Floyd A.
- Worcester, Joseph A., Jr., Fairfield, Conn., assignor to General Electric Company. Tuning circuit for high-frequency receivers. 2,475,638, July 12.
- Worden, John H., Vancouver, Wash. Brake for plumb bob reels. 2,492,609, Dec. 27.
- Worden, Willard H., Seattle, Wash. Electric house furnace. 2,459,986, Jan. 25.
- Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Drive-in type piston expander. 2,463,667, Mar. 8.
- Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Device for positioning the bearing retaining ring in drive shaft assemblies. 2,467,416, Apr. 19.
- Work, Harold K., Mount Lebanon, and R. R. Webster, Beaver, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Blowing Bessemer steel. 2,490,990, Dec. 13.
- Work, Ralph A., Brooklyn, N. Y. Illuminated globe. 2,490,185, Dec. 6.
- Workman, Benjamin: *See*—
March, Louis M., and Workman.
- Workman, Ernest R., Chicago, Ill. Musical instrument. 2,475,168, July 5.
- Workman, Ernest R., Chicago, Ill. Welding apparatus. 2,485,229, Oct. 18.
- Workman, William J., North Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sand blasting machine. 2,483,956, Oct. 4.
- Workshop Associates, Inc., assignee: *See*—
Greene, Gardiner G.
- Worley and Company, assignee: *See*—
Brandes, Arthur.
- Worley, Ernest W., Kansas City, Kans. Pan scouring implement. 2,482,605, Sept. 20.
- Wormell, Robert L., Coventry, assignor to Courtaulds Limited, London, England. Drying of artificial fibers, filaments, and the like. 2,486,903, Nov. 1.
- Wormell, Robert L., and A. F. Millidge, Coventry, and C. L. Knight, Kenilworth, assignors to Courtaulds Limited, London, England. Extraction of protein from seeds. 2,461,404, Feb. 8.
- Wormser, Arthur: *See*—
Peyrebrune, Henri E., and Wormser.
- Wormser, Arthur, Riverside, assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet delivery controlling method and means therefor. 2,474,997, July 5.
- Wormull, George, Bergenfield, N. J. Utility cover. 2,461,247, Feb. 8.
- Worn, George A., Greenwich, Conn., and G. W. Evans, Jr., Teaneck, N. J., assignors to The Lummus Company, New York, N. Y. Heat exchanger. 2,489,944, Nov. 29.
- Worn, George A., Greenwich, Conn., and G. W. Evans, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y. Heat exchanger. 2,492,409, Dec. 27.
- Wornell, Charles N. M., Chessington, England. Depth gauge. 2,466,140, Apr. 5.
- Worrell, Ted H., Santa Paula, Calif. Bobby pin opener. 2,460,562, Feb. 1.
- Worson, Lee, Los Angeles, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Bituminous emulsions. 2,468,533, Apr. 26.
- Worstell, Charles C., assignor to Deere & Company, Moline, Ill. Pressure fluid follow-up servomotor. 2,477,710, Aug. 2.
- Worth, Arthur A., Penobscot, and H. S. Adams, Skowhegan, Maine, assignors to American Woolen Company, New York, N. Y. Ring spinning frame. 2,461,952, Feb. 15.
- Worth Insulation & Mfg. Co. Inc., assignee: *See*—
Jenness, Langdon M.
- Worth, Thomas F., Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,471,182, May 24.
- Worth, Weldon, Dayton, Ohio. Valve for oil temperature control units. 2,458,547, Jan. 11.

- Wortham, Edgar D., Masonville, N. J. Cleaner for pipe lines. 2,478,961, Aug. 16.
- Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Adjustable rack and pinion gearing. 2,484,770, Oct. 11.
- Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Dial indicator mechanism. 2,484,771, Oct. 11.
- Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Tolerance limit indicator. 2,484,772, Oct. 11.
- Worthington, Edward H., East Stroudsburg, Pa. Lawn mower fly knife. 2,460,111, Jan. 25.
- Worthington Pump and Machinery Corporation, assignee: *See—*
- Brigham, Nelson E.
 - Brown, Joseph M.
 - Burrus, Paul B.
 - Gilman, Frederick C.
 - Grace, John F.
 - Hahn, Clarence J.
 - Henderson, Robert M., and Ten Eyck.
 - Lifner, Eric J.
 - Lucke, Charles E.
 - Lukas, Joseph C.
 - MacDonald, Karl.
 - Nast, Paul H.
 - Robinson, Merrill P.
 - Sebald, Joseph F.
 - Sebald, Joseph F., and De Hay.
 - Tessendorf, Draper E., and Hahn.
 - Zwickl, Joseph R.
- Worthington, Wayne H., and E. F. Jirsa, Waterloo, Iowa, assignors to Deere Manufacturing Co. Hydraulic power lift mechanism. 2,462,246, Feb. 22.
- Worthington, William W., U. S. Navy, Cornwall Bridge, Conn. Material handling mechanism. 2,459,207, Jan. 18.
- Wortman, Randolph M., Alexandria, Va., and R. E. Webster, Washington, D. C. Retractable light indicator at substations. 2,477,918, Aug. 2.
- Wortman, Robert, assignor to J. E. Berger Corporation, Detroit, Mich. Metering means for a bottle having a lock to ensure the tipping of the bottle to dispense. 2,473,462, June 14.
- Worzel, John L.: *See—*
- Ewing, William M., and Worzel.
- Worzel, John L., Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Bottom sampler. 2,488,486, Nov. 15.
- Wotring, Gaylord H., Fairfield, Conn., assignor to General Electric Company. Dishwashing apparatus. 2,468,584, Apr. 26.
- Wotton, John: *See—*
- D'Assis-Fonseca, Evelyn C. M., and Wotton.
- Woytal, Daniel, M. J. Busch, and F. A. Woytal, Milwaukee, Wis. Pipe coupling. 2,467,922, Apr. 19.
- Woytal, Frank A.: *See—*
- Woytal, Daniel, Busch, and Woytal.
- Woytych, Raymond M., assignor to Gidding & Lewis Machine Tool Co., Fond du Lac, Wis. Toolhead. 2,485,799, Oct. 25.
- Wrathall, John R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rototrol scheme. 2,470,672, May 17.
- Wrathall, John R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,470,673, May 17.
- Wray, George O. assignee: *See—*
- Wilson, Fred E.
- Wray, John E., Evanston, Ill. Movable element controlling mechanism. 2,475,119, July 5.
- Wray (Optical Works) Limited, assignee: *See—*
- Wynne, Charles G.
- Wreford, Frederick S., Detroit, Mich. Electric cable connector assembly. 2,480,803, Aug. 30.
- Wrenn, Herbert A., Lanham, Md. Variable capacity sliding vane pump. 2,469,097, May 3.
- Wridge, Virgil, Tillamook, Ore. Swivel arch hook. 2,487,085, Nov. 8.
- Wright Aeronautical Corporation, assignee: *See—*
- Browne, Kenneth A.
 - Browne, Kenneth A., and Cannon.
 - Chilton, Allan.
 - Chilton, Roland.
 - Francisco, William H., Jr., Steiner, and Hill.
 - Haracz, Edward F.
 - Hill, Henry C., and Francisco.
 - Kellogg, Bruce H.
 - Lundquist, Wilton G.
 - Lundquist, Wilton G., and Sollinger.
 - Moore, Vincent T.
 - Ovens, William G., and McCrea.
 - Palen, Peter H.
 - Pierce, Erolf F.
 - Pitisci, Joseph S.
 - Werth, Frederick W., Jr.
 - Wiegand, Francis J., and Scott.
 - Young, Raymond W.
 - Young, Raymond W., and Keller.
- Wright, Alva T., Fort Worth, Tex. Vehicle chocking device. 2,461,248, Feb. 8.
- Wright, Antony, Drexel Hill, Pa., assignor to Radio Corporation of America. Fast-acting automatic volume control and sync pulse reshaping circuit. 2,476,523, July 19.
- Wright, Antony, Drexel Hill, Pa., and E. L. Clark, Collingswood, N. J., assignors to Radio Corporation of America. Beam deflection control for cathode-ray devices. 2,460,112, Jan. 25.
- Wright, Ben W., Boonton, N. J., assignor to Curtiss-Wright Corporation. Welding guide. 2,460,914, Feb. 8.
- Wright, Ben W., Boonton, N. J., assignor to Curtiss-Wright Corporation. Welding guide. 2,483,957, Oct. 4.
- Wright, Charles W.: *See—*
- Sykes, Charles, Wright, and D. Wright.
- Wright, Charles A., Milwaukee, Wis. Dust collar. 2,458,457, Jan. 4.
- Wright, Charles V., Jr., Tamaqua, Pa. Tobacco smoke pipe. 2,458,460, Jan. 4.
- Wright, Cornelius B.: *See—*
- Rudd, Gene C., and Wright.
- Wright, Dayton A., Jackson, Mich. Combination cutter and pilot adapter. 2,479,660, Aug. 23.
- Wright, Donald P., La Fayette, Ind. Toothbrush holder. 2,463,668, Mar. 8.
- Wright, Doris, executrix: *See—*
- Sykes, Charles, and Wright.
- Wright, E. T., and Co., Incorporated, assignee: *See—*
- Donovan, Alfred F.
- Wright, Edwin H., Farnham Common, England. Light polariser for producing light beams polarised in planes mutually at right angles from a single light beam. 2,476,014, July 12.
- Wright, Ernest A.: *See—*
- Young, James K., and Wright.
- Wright, Francis M.: *See—*
- Anschicks, David P., and Wright.
- Wright, Francis W., Coshocton, Ohio. Guitar steel. 2,466,344, Apr. 5.
- Wright, Frank M., Calif., assignor to Breeze Corporation, Inc., Newark, N. J. Cushioning means for engine starters. 2,458,458, Jan. 4.
- Wright, Frank R., Nezperce, Idaho. Potato digger blade. 2,472,360, June 7.
- Wright, Fred J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Automatic chain pin riveting machine. 2,463,669, Mar. 8.
- Wright, Fred J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Reversible swing hammer crusher with adjustable breaker plates. 2,478,733, Aug. 9.
- Wright, Fred J., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,480,069, Aug. 23.
- Wright, Fred J., Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Hydraulic valve. 2,486,087, Oct. 25.
- Wright, Fred J., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,465,954, Mar. 29.
- Wright, Fred J., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Grinder and driving motor, including cantilever type motor rotor. 2,463,843, Mar. 8.
- Wright, Fred J., Upper Arlington, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Hydraulic system for vehicle steering and other apparatus. 2,484,110, Mar. 8.
- Wright, Frederick S., San Anselmo, Calif. Remote control for vending machines and the like. 2,486,698, Nov. 1.
- Wright, George F., Toronto, Ontario, and W. J. Chute, Kentville, Nova Scotia, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Nitramines and their preparation. 2,461,582, Feb. 15.
- Wright, George F., Toronto, Ontario, and W. J. Chute, Kentville, Nova Scotia, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Converting secondary amines to nitramines. 2,462,052, Feb. 15.
- Wright, George F., Toronto, Ontario, and C. A. Winkler, Montreal, Quebec, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Recovering acid in the production of cyclonite. 2,478,164, Aug. 2.
- Wright, George W. assignee: *See—*
- McClure, Ralston H.
- Wright, Harold R., West Kilbride, and J. Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of high-explosive compositions or charges. 2,471,851, May 31.
- Wright, Hazelt N., Inglewood, Calif. Releasable implement hook. 2,485,127, Oct. 18.
- Wright, Jack R., Los Angeles, Calif. Detachable cleat for shoes. 2,461,671, Feb. 15.
- Wright, John: *See—*
- Olpin, Henry C., House, and Wright.
- Wright, John S., Adrian, Mich. Electric air heater. 2,477,778, Aug. 2.
- Wright, Lee H., Grosse Pointe, Mich. Choke structure for gun barrels. 2,476,438, July 19.

- Wright, Manfred G.: *See*—
Schwarz, Bertram A., Stelzl, and Wright.
- Wright, Martha H., assignee: *See*—
Creighton, Thomas A.
- Wright, Mildred B., Berwyn, Ill. Drapery fixture. 2,470,422, May 17.
- Wright, Milo P., assignor to Beech Aircraft Corporation, Wichita, Kans. Self-locking flush latch. 2,477,472, July 26.
- Wright, Orice B., and R. E. Morton, Idaho Falls, Idaho. Attachment for hand trucks and the like. 2,467,644, Apr. 19.
- Wright, Paul, Birmingham, Ala. Arch and wall construction. 2,467,069, Apr. 12.
- Wright, Ray C., Flint, Mich. Dispensing closure cap. 2,461,620, Feb. 15.
- Wright, Richard H., Cleveland, Ohio. Center support for Venetian blinds. 2,486,771, Nov. 1.
- Wright, Richard O., Elizabeth, N. J., assignor to Standard Oil Development Company. Fractionation apparatus. 2,471,134, May 24.
- Wright, Robert L.: *See*—
Lundahl, Walter N., and Wright.
- Wright, Russell B.: *See*—
Wiseman, William W., and Wright.
- Wright, Smith C., Bandera, Tex. Trough or tank water level valve. 2,477,224, July 26.
- Wright, Stewart E., Cincinnati, Ohio. Electrical snap-on wire connector. 2,462,247, Feb. 22.
- Wright, Virgil, Fort Worth, Tex. Mower. 2,489,694, Nov. 29.
- Wright, William F., Lisbon, Ohio. Transmission mechanism. 2,458,459, Jan. 4.
- Wright, William N., Seattle, Wash. Engine. 2,482,136, Sept. 20.
- Wrightsmen, Gilbert G., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Consolidation of sands. 2,476,015, July 12.
- Wrightsmen, Gilbert G., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of wells. 2,490,291, Dec. 6.
- Wrightsmen, John H.: *See*—
Hansen, Donald W., Gill, and Wrightsmen.
- Wrigley, Dwight A., Chatham, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Thermocouple for fire detection. 2,485,468, Oct. 18.
- Wrigley, James A., Leavenworth, Kans. Natural gas blowtorch. 2,483,081, Sept. 27.
- Wrigley, William, Jr., Company, assignee: *See*—
Bonebrake, Gay M.
- Wuensch, Charles E., Saratoga, Calif. Centrifugal ball mill. 2,473,558, June 21.
- Wuerl, Rudolph A., Butte, Mont. Adjustable striker plate for doors. 2,486,772, Nov. 1.
- Wuerl, Rudolph A., and R. C. Watkins, Butte, Mont. Christmas tree holder. 2,469,286, May 3.
- Wuerth, Fritz: *See*—
Beller, Hans, Christ, and Wuerth.
- Wuest, Heinz M., Montclair, N. J., assignor to William R. Warner & Co. Inc., New York, N. Y. Pyridine quaternary salts. 2,489,247, Nov. 22.
- Wuest, Heinz M., Upper Montclair, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Dihydroprogallol. 2,489,695, Nov. 29.
- Wuestman, Joseph V., Union, N. J. Receptacle. 2,484,773, Oct. 11.
- Wuestman, Joseph V., Unionville, N. J. Advertising pencil or like device. 2,475,934, July 12.
- Wuetig, Fred H., Chicago, Ill. Centrifugal strip casting machine. 2,477,030, July 26.
- Wulff, John, Cambridge, Mass. Producing filters. 2,462,045, Feb. 15.
- Wulfsberg, Paul G., assignor to Collins Radio Company, Cedar Rapids, Iowa. Modulation control system. 2,459,208, Jan. 18.
- Wulfson, Daniel: *See*—
Helfman, Hyman, and Wulfson.
- Wunder, Franz, St. Louis County, assignor to All-Die, Inc., St. Louis, Mo. Die and die set for shoe parts and the like. 2,473,837, June 21.
- Wunsch, Benjamin, New York, assignor of one-half to I. Wunsch, Bronx, N. Y. Constructing slippers. 2,459,258, Jan. 18.
- Wunsch, Elton P., Providence, R. I. Quantitative deceleration indicator. 2,474,610, June 28.
- Wunsch, Isidor, assignee: *See*—
Wunsch, Benjamin.
- Wurlitzer, Rudolph, Company, The, assignee: *See*—
Eberman, Augustus H.
Felder, Harry A.
Fuller, Paul M.
Sloan, Edward C.
Socin, Francis C.
Sperry, Ralph W. E., and Horth.
Von Stoesser, Walter.
Zaiser, William.
Zuck, Victor I.
- Wurst, Howard J.: *See*—
Kuney, Clarence F., Wurst, and Serzow.
- Wurtele, Allan R., Mix, La.; N. G. Wurtele, executrix, and N. P. Phillips, executor of the succession of said A. R. Wurtele. Dry shaver. 2,467,417, Apr. 19.
- Wurtele, Allan R., Mix, La.; N. G. Wurtele and N. P. Phillips, executors of said A. R. Wurtele, deceased, assignor of one-half to N. G. Wurtele and one-half to J. Wurtele, Harvester. 2,482,530, Sept. 20.
- Wurtele, Joanna, assignee: *See*—
Wurtele, Allan R.
- Wurtele, Noemie G., executrix: *See*—
Wurtele, Allan R.
- Wurtele, Noemie G., executrix, assignee: *See*—
Wurtele, Allan R.
- Wurtele, Richard K., assignee: *See*—
Taylor, John R.
- Wurth, Walter A., Cranford, and S. C. Lane, Roselle, N. J., assignors to Standard Oil Development Company. Finishing polymers. 2,472,037, May 31.
- Wurton Machine Company, assignee: *See*—
Touton, Rush D.
- Wurtzbeach, Lorenz E., Denver, Colo. Can opener. 2,491,844, Dec. 20.
- Wurzburger, Paul D., Cleveland Heights, Ohio. Solder fitting. 2,460,665, Feb. 1.
- Wurzburger, Paul D., Cleveland Heights, Ohio. Fitting. 2,460,666, Feb. 1.
- Wurzburger, Paul D., Cleveland Heights, Ohio. Fitting. 2,460,667, Feb. 1.
- Wurzburger, Paul D., Cleveland Heights, Ohio. Fitting. 2,460,668, Feb. 1.
- Wurzburger, Paul D., Cleveland Heights, Ohio. Pipe coupling. 2,474,178, June 21.
- Wutz, John, Chicago, Ill. Skate. 2,474,082, June 21.
- Wyandotte Chemicals Corporation, assignee: *See*—
Bacon, Leslie R., and Vaughn.
Burchfield, Paul E.
Burkard, Perle N., and McNabney.
Corrigan, Thomas E.
Courtney, Albert L., and Smith.
Jackson, Donald R.
Jackson, Donald R., and Langdon.
Jillson, Lyman W.
Kuentzel, Lester E.
Kuentzel, Lester E., and McKee.
Lundsted, Lester G., Schwoegler, and Jacobs.
Roderick, Howard F., and Zorn.
Tucker, Daniel F., and Tyler.
- Wyatt, DeWitt H.: *See*—
Bole, George A., and Wyatt.
- Wyatt, De Witt H., Columbus, Ohio. Trench construction. 2,464,363, Mar. 15.
- Wyatt, James F., San Jose, assignor to Industrial Sales Company, San Francisco, Calif. Blind rivet expander. 2,465,144, Mar. 22.
- Wyatt, Kenneth S., Bronxville, N. Y., assignor to Phelps Dodge Copper Products Corporation, Dover, Del. Making cable joints. 2,463,231, Mar. 1.
- Wyatt Manufacturing Company, Incorporated, The, assignee: *See*—
Ginder, Raymond M.
- Wyche, John McCord, Hugo, Okla. Panelling construction. 2,457,964, Jan. 4.
- Wyckoff, Paul W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for successively making approximate and final adjustments. 2,463,931, Mar. 8.
- Wyckoff, Ralph D., Pittsburgh, Pa., J. P. Molnar, Morris Plains, N. J., L. D. Palmer, Oakmont, and G. C. Blewett, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Dirigible bomb. 2,466,528, Apr. 5.
- Wydra, Frank K., Chicago, Ill. Dispenser having step-by-step rotating valve with means to prevent reverse rotation thereof. 2,472,688, June 7.
- Wyer, John M., Perton, Patteringham, near Wolverhampton, England. Suction-operated chuck. 2,474,508, June 28.
- Wyer, Richard F., Rexford, N. Y., assignor to General Electric Company. Gas-shielded alternating current arc welding. 2,474,023, June 21.
- Wyeth Incorporated, assignee: *See*—
Bernhart, Finn W.
Bruce, William F.
Bruce, William F., and McDermott.
Dann, Morris.
Fessenden, George R.
Mueller, George P.
- Wyeth, Nathaniel, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Control for seat structure. 2,466,345, Apr. 5.
- Wyeth, Nathaniel, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,471,135, May 24.
- Wyland, Richard R., Rapid City, S. Dak. Link-and-lever road vehicle suspension. 2,464,475, Mar. 15.
- Wyld, James H.: *See*—
Lawrence, Lovell, Jr., and Wyld.
- Wyld, James H., Pompton Lakes, and L. Lawrence, Jr., Paterson, assignors to Reaction Motors Inc., Pompton Plains, N. J. Controlling system for reaction motors. 2,479,888, Aug. 23.
- Wylar, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Resinous esters of higher fatty acids with pentaerythritols and making. 2,462,046, Feb. 15.

- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Pentaerythritol condensation products. 2,462,047, Feb. 15.
- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Epoxy tetramethylol methane and polymerization products thereof. 2,462,048, Feb. 15.
- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Pentaerythritol conversion. 2,462,049, Feb. 15.
- Wylar, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Recovery of pentaerythritol. 2,464,167, Mar. 8.
- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Nitrated products of dehydrated pentaerythritol. 2,465,776, Mar. 29.
- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Making methylol alkanes. 2,468,718, Apr. 26.
- Wylar, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Making pentaerythritol dehydration products. 2,468,722, Apr. 26.
- Wylar, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Making tetranitromethane explosives. 2,486,773, Nov. 1.
- Wylea, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Process for the preparation of pentaerythritol. 2,486,774, Nov. 1.
- Wylar, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Preparation of polypentaerythritols. 2,490,567, Dec. 6.
- Wyllie, Thomas, Twickenham, England. Mounting of fan units in ventilating shafts. 2,474,611, June 28.
- Wyllie, Kenneth R., Port Huron, Mich. Hammer. 2,489,841, Nov. 29.
- Wyman, Burton A.: *See*—
Winkler, Frederic C., and Wyman.
- Wyman, Edwin T., Brookline, Mass. Combination steam and gas turbine. 2,469,678, May 10.
- Wyman, Edwin T., Brookline, Mass. Gas turbine. 2,469,679, May 10.
- Wyman, Edwin T., Brookline, Mass. Gas turbine. 2,482,394, Sept. 20.
- Wyman, George M.: *See*—
Bratton, Francis H., and Weiman.
- Wyman, Jeffries, and D. F. Barnes, Woods Hole, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Air thermograph. 2,487,748, Nov. 8.
- Wymore, Ralph R., Oberlin, Kans. Automatic tractor and implement hitch. 2,459,731, Jan. 18.
- Wynn, Arthur H. A., London, England, assignor, by mesne assignments, to Sylvania Electric Products Incorporated, Flushing, N. Y. Cathode-ray tube circuits. 2,492,674, Dec. 27.
- Wynn, Arthur H. A., and R. A. Hill, assignors to A. C. Cossor Limited, London, England. Cathode-ray tube. 2,473,320, June 14.
- Wynne, Charles G., assignor to Wray (Optical Works) Limited, Bromley Hill, England. Four component optical objective. 2,487,749, Nov. 8.
- Wynne, Charles G., assignor to Wray (Optical Works) Limited, Bromley Hill, England. Wide aperture objective having two meniscus dispersive components and two or more collective components. 2,487,750, Nov. 8.
- Wynne, Charles H. L.: *See*—
Chamberlin, Reginald H. D., Wynne, and Skellern.
- Wynne, John N., Glyn Ceiriog, near Wrexham, North Wales. Treatment of fluorspar. 2,465,955, Mar. 29.
- Wyryck, Clayton E., Miami, Fla., assignor to The Egly Register Company, Dayton, Ohio. Collating machine. 2,465,304, Mar. 22.
- Wysocki, Stanley W., Milwaukee, Wis. Lift truck. 2,488,461, Nov. 15.
- Wysowski, John, Kewanee, Ill. Metatarsal pad. 2,475,417, July 5.
- Wyss, Frederic D.: *See*—
Allin, Frederick R., and Wyss.
- Wyss, Raymond C., Tillamook, Oreg. Lock for irrigation pipe joints. 2,470,539, May 17.
- Wyzenbeek, Andrew, Chicago, Ill. Flexible shaft drive. 2,487,915, Nov. 15.
- "X" Laboratories, Inc., assignee: *See*—
Birnman, Rudolph.
Blair, Craig A.
- X-Ray Products Corporation, assignee: *See*—
Schneeman, Justin G.
- Ximenez, Manuel R., Fanwood, J. H. Ferguson, Somerville, and S. C. Bunce, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Plastic insulation and manufacture. 2,460,962, Feb. 8.
- Xpediter Corporation, assignee: *See*—
Waters, John L.
- Yackley, William J., Peoria, Ill. Crutch. 2,473,671, June 21.
- Yadoff, Oleg, Versailles, France, assignor to Electronic Dusting Corporation, New York, N. Y. Method and device for projecting powders carrying electrostatic charges. 2,477,947, Aug. 2.
- Yagodnik, Joseph W., Chicago, Ill. Pocket structure. 2,486,584, Nov. 1.
- Yakubik, Michael A., Hudson, assignor to The C. L. Gougler Machine Company, Kent, Ohio. Padlock. 2,477,325, July 26.
- Yale, Harry L.: *See*—
Hearne, George W., and Yale.
Tess, Roy W., Hearne, and Yale.
- Yale & Towne Manufacturing Company, The, assignee: *See*—
Andrew, John P.
Feldmann, Henry J.
Framhein, Herbert J.
Ledin, Charles.
Schroeder, Charles S.
Vossenbergh, Frank A.
- Yamins, Hyam G., Asbury Park, and R. L. Dunn, West Belmar, N. J., assignors to the United States of America as represented by the Secretary of War. Plotter computer for determining shellfire position. 2,472,138, June 7.
- Yancey, John R., assignor to A-1 Bit & Tool Company, Houston, Tex. Combined milling tool and pipe puller. 2,481,637, Sept. 13.
- Yandell, William H., deceased, Cincinnati, Ohio; G. M. Ball, executrix of said W. H. Yandell, assignor by mesne assignments, to G. M. Ball, Mariemont, Ohio. Clothes drier. 2,466,630, Apr. 5.
- Yando, Stephen, Long Island City, assignor of fifteen per cent to E. Pious, New York, N. Y. Ultra high frequency metering device and method. 2,472,038, May 31.
- Yankelevitz, Sam, Brooklyn, N. Y. Game device. 2,463,670, Mar. 8.
- Yanko, Michael, Masury, Ohio. Plug-in clip. 2,473,321, June 14.
- Yanko, William H.: *See*—
Mowry, David T., and Yanko.
- Yankovitch, Bozhidar M., New York, N. Y. Pressure cooker cover construction. 2,491,144, Dec. 13.
- Yanovsky, Elias: *See*—
Hamilton, Robert M., and Yanovsky.
- Yant, William P.: *See*—
Ray, Kenneth B., and Yant.
Strange, John P., and Yant.
- Yarbrough, Oscar D., Washington, D. C. Underwater breathing apparatus. 2,483,116, Sept. 27.
- Yardeny, Michel N., assignee: *See*—
Bernas, Robert.
- Yardeny, Michel N., New York, N. Y. Control apparatus with flexible control elements. 2,462,033, Feb. 15.
- Yardeny, Michel N., New York, N. Y. Integrating control device. 2,465,956, Mar. 29.
- Yardeny, Michel N., New York, N. Y. Antihunting means for control devices. 2,472,271, June 7.
- Yardeny, Michel N., New York, N. Y. Antihunting means for remote-control systems. 2,475,269, July 5.
- Yardeny, Michel N., New York, N. Y. Multispeed control apparatus. 2,475,270, July 5.
- Yardeny, Michel N., New York, N. Y. Multispeed selector mechanism. 2,475,271, July 5.
- Yardeny, Michel N., New York, N. Y. Speed control apparatus. 2,475,272, July 5.
- Yardeny, Michel N., New York, N. Y. One-way stopping means for control apparatus. 2,476,016, July 12.
- Yardeny, Michel N., New York, N. Y. Remote-control apparatus with automatic limit provision. 2,476,017, July 12.
- Yarman, Paul J., Barberton, assignor to The Ohio Box-board Company, Rittman, Ohio. Bicycle package. 2,490,186, Dec. 6.
- Yarnall-Waring Company, assignee: *See*—
Kinderman, Walter J.
- Yaros, Anthony P., Dearborn, Mich. Oil seal. 2,486,088, Oct. 25.
- Yasensky, Alexander T.: *See*—
Garrett, Elmer E., Steck, and Yasensky.
- Yasho, Samuel J., East Pittsburgh, Pa. Barrel support means for firearms. 2,479,594, Aug. 23.
- Yasnor, Morton, Brooklyn, N. Y. Self-locking safety catch. 2,473,044, June 14.
- Yasay, Walter, Bronx, and I. Barkan, Brooklyn, N. Y. Folding shopping cart. 2,483,958, Oct. 4.
- Yates, Cecil F.: *See*—
Stephens, Foaster M., and Yates.
- Yates, Edward S., Fultonville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of formaldehyde. 2,488,363, Nov. 15.
- Yates, Edward S., Fultonville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of formaldehyde. 2,492,453, Dec. 27.
- Yates, George, Glendale, Calif. Supporting clamp. 2,463,451, Mar. 1.
- Yates, Henry G., Riding Mill, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, WallSEND, England. Elastic fluid turbine. 2,484,774, Oct. 11.
- Yates, Herbert, Kingsbury, London, England. Bench frames for supporting and rotating long cylindrical vessels during welding. 2,462,702, Feb. 22.
- Yates, Irving E., Bronx, N. Y. Sport garment. 2,486,236, Oct. 25.
- Yates, Lester R., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable gain amplifier. 2,462,452, Feb. 22.

- Yates, Wallace J.: *See*—
Woods, Harold A., Yates, Klingen, and Barton.
- Yates, Walter N.: *See*—
Stuckey, Harold R., and Yates.
- Yauger, Harland A., and G. W. Goette, assignors to American Gas Machine Company, Albert Lea, Minn. Pilot for horizontal pot burners. 2,482,700, Sept. 20.
- Yawman, Harvey H., assignor to Union Steel Chest Corporation, Le Roy, N. Y. Adjustable and removable compartment and partition forming device for trays. 2,459,561, Jan. 18.
- Yeager, Evelyn M., executrix: *See*—
Yeager, Milburn E., and Cnossen.
- Yeager, Harry H., Oakmont, and F. O. Schob, assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Apparatus for applying metal cases to refractory bricks. 2,480,804, Aug. 30.
- Yeager, Homer, assignee: *See*—
Hughes, Dewey C.
- Yeager, Milburn E., Needham, and A. J. Cnossen, Rehoboth, Mass.; E. M. Yeager, executrix of said M. E. Yeager, deceased; said E. W. Yeager assignor to said Cnossen. Auxiliary air heater. 2,468,909, May 3.
- Yeamans, Wilfred H., Plainville, Conn. Spring balance. 2,458,669, Jan. 11.
- Yearley, George W., Geneva, assignor to The American Fork and Hoe Company, Cleveland, Ohio. Golf club. 2,478,554, Aug. 9.
- Yeasting, Maynard C., Elmore, assignor to Toledo Scale Company, Toledo, Ohio. Electromagnetic transfer mechanism. 2,490,725, Dec. 6.
- Yeatman, Robert E., Campbell River, British Columbia, Canada. Dual brake control. 2,467,645, Apr. 19.
- Yehling, William W., Spokane, Wash. Fire escape. 2,492,511, Dec. 27.
- Yeida, John O., Herculaneum, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Thermostatic device. 2,482,232, Sept. 20.
- Yeida, John O., Herculaneum, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Control for temperature changing mechanisms. 2,492,675, Dec. 27.
- Yeiser, Frank M., assignor, by mesne assignments, to Niagara Research Corporation, Buffalo, N. Y. Purification of native sulfur. 2,459,764, Jan. 18.
- Yejeski, Lech, assignor to Safeway Heat Elements, Inc., Middletown, Conn. Electric air heater. 2,482,050, Sept. 13.
- Yelkin, Herman J., Long Beach, Calif. Clutch assembly tool. 2,487,504, Nov. 8.
- Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Combination power plant and heating system. 2,491,434, Dec. 13.
- Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Gas turbine exhaust steam generator. 2,491,435, Dec. 13.
- Yen, Tisheng, Washington, D. C. Typewriter for writing the Chinese language. 2,471,807, May 31.
- Yengling, A. C., assignee: *See*—
Stenzel, Roy A.
- Yenni, Donald M.: *See*—
McCandless, Edward L., and Yenni.
- Yeo, Fred R., Park Ridge, N. J., assignor to American Cyanamid Company, New York, N. Y. Stopping device. 2,475,732, July 12.
- Yeomans Brothers Company, assignee: *See*—
Yeomans, Charles.
- Yeomans, Charles, Hubbard Woods, assignor to Yeomans Brothers Company, Chicago, Ill. Sludge handling method and apparatus. 2,481,894, Sept. 13.
- Yeomans, Lucien I., and R. P. Frye, assignors to Lucien I. Yeomans, Inc., Chicago, Ill. Sectional table for machine tools. 2,466,631, Apr. 5.
- Yeomans, Lucien I., and R. P. Frye, assignor to Lucien I. Yeomans, Inc., Chicago, Ill. Machine tool. 2,487,289, Nov. 8.
- Yeomans, Lucien I., Inc., assignee: *See*—
Yeomans, Lucien I., and Frye.
- Yerkes, Leland A.: *See*—
Schlechten, Albert W., Kroll, and Yerkes.
- Yerrick, William D., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Two-pass regenerative air preheater. 2,480,277, Aug. 30.
- Yerrick, William D., and J. C. Vickland, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Adjustable circumferential seal for preheaters. 2,471,995, May 31.
- Yeskett, Vincent J., Palo Alto, Calif. Ampoule cutter. 2,488,956, Nov. 22.
- Yetter, John W., Lansdowne, and F. G. Langer, Jr., Philadelphia, Pa., assignors to General Electric Company. Switching control for field windings of dynamoelectric machinery. 2,472,642, June 7.
- Yingling, Ralph S., Yorktown, Ind. Rotary checking fixture. 2,482,051, Sept. 13.
- Yirava, Charles R., assignor to Benjamin Reel Products, Inc., Cleveland, Ohio. Spring reel. 2,462,296, Feb. 22.
- Yoars, Fred P., New Orleans, La. Refrigerator. 2,491,145, Dec. 13.
- Yocam, Lee R., and D. K. Newman, Vancouver, Wash. Animated fishing lure. 2,472,505, June 7.
- Yocum, Harold W., Wayne, assignor to Hale Fire Pump Company, Conshohocken, Pa. Booster pump. 2,468,008, Apr. 19.
- Yoder Company, The, assignee: *See*—
Hubbell, Charles C.
Kentis, George E., Jr.
Wohl, Waldemar M.
- Yoder, Gerard C., Brooklyn, N. Y. Tie collar extension clip or clamp. 2,466,141, Apr. 5.
- Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Liquid level gauge. 2,480,070, Aug. 23.
- Yoder, Ida, assignee: *See*—
Porter, Edward.
- Yohn, Fred C., Norwalk, Conn., assignor to Microstat Corporation. Flow camera document-copying machines. 2,472,931, June 14.
- Yoke, Robert L., assignee: *See*—
Yoke, Robert L., Jr.
- Yoke, Robert L., Jr., assignor of one-fourth to R. L. Yoke, Portland, Oreg. Toolholder. 2,479,661, Aug. 23.
- Yokel, Frank, Pittsburgh, Pa. Refractory element for electric heaters. 2,469,287, May 3.
- Yonkers, Edward H., Chicago, Ill. Indicating, controlling, and recording instrument. 2,469,940, May 10.
- Yonkers, Edward H., Jr., Chicago, Ill., and R. R. Pittman, Pine Bluff, Ark. Protective system for electric lines. 2,474,711, June 28.
- Yonkers, William A.: *See*—
Johanson, John E., and Yonkers.
- York Corporation, assignee: *See*—
Groat, Keith P.
Kemper, Ralph D.
Patterson, Velt C.
Scott, James.
- York, James C., assignee: *See*—
McDonald, Lafayette A.
- York, John W., Falls City, Nebr. Axially shifting type lever operated tie remover. 2,474,926, July 5.
- York, Ralph L., Lebanon, Oreg. Cutting torch guide device. 2,465,413, Mar. 29.
- York, Robert, Jr.: *See*—
Davies, Caleb, Jr., and York.
- Yorty, Raymond S.: *See*—
Fouch, Herschel L., and Yorty.
- Yost, Clyde E., Evansville, Ind. Coupling. 2,480,174, Aug. 30.
- Yost, Jeannette E., Canton, Ohio. Inflatable bed chamber. 2,466,142, Apr. 5.
- Yost, Kenneth J., Westport, Conn. Portable loader. 2,490,292, Dec. 6.
- Yost, Kermit D.: *See*—
Snyder, Leland H., and Yost.
- Youd, James T.: *See*—
Abrey, John, Munro, and Youd.
- Youhouse, Joseph, assignor to Casco Products Corporation, Bridgeport, Conn. Electrical control device. 2,477,845, Aug. 2.
- Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Rheostat. 2,477,711, Aug. 2.
- Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Thermostatic switch. 2,486,365, Oct. 25.
- Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Cigar lighter. 2,486,366, Oct. 25.
- Youker, Malcolm P., assignee: *See*—
Youker, Mildred D.
- Youker, Mildred D., Los Angeles, assignor, by mesne assignments, to M. P. Youker, Santa Rosa, Calif. Cylinder rotating mechanism for revolvers. 2,472,326, June 7.
- Young, Arthur E., assignor to The Dow Chemical Company, Midland, Mich. Fusible and readily removable protective coating for metal articles, comprising ethyl cellulose and mineral oil. 2,458,486, Jan. 4.
- Young, Arthur E., and H. M. Hoogsteen, assignors to The Dow Chemical Company, Midland, Mich. Modified styrene-linseed oil interpolymers. 2,468,798, May 3.
- Young, Arthur E., and E. K. Stilbert, assignors to The Dow Chemical Company, Midland, Mich. Cellulose derivative compositions. 2,469,348, May 3.
- Young, Arthur E., and H. M. Hoogsteen, assignors to The Dow Chemical Company, Midland, Mich. Film-forming base for baking enamels. 2,480,349, Aug. 30.
- Young, Arthur E., and E. K. Stilbert, assignors to The Dow Chemical Company, Midland, Mich. Film casting compositions and making same. 2,492,124, Dec. 20.
- Young, Benjamin E., The Dalles, Oreg. Automatic rule. 2,467,515, Apr. 19.
- Young, Carl, Minneapolis, Minn. Film holder. 2,465,777, Mar. 29.
- Young, Carl B., Newark, N. J., assignor to American Can Company, New York, N. Y. Sealing head mechanism. 2,462,928, Mar. 1.
- Young, Cecil E., Arlington, assignor to R. S. Moore, Dallas, Tex. Pot type oil burner with air preheating means. 2,479,889, Aug. 23.
- Young, Charles E., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Air changer. 2,483,377, Sept. 27.
- Young, Charles E., Washington, D. C. Visual tuning indicator for frequency modulation signals. 2,482,821, Sept. 27.

- Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Apparatus for receiving facsimile signals. 2,486,511, Nov. 1.
- Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Stabilized oscillator generator. 2,490,500, Dec. 6.
- Young, Charles M., Schenectady, N. Y., assignor to General Electric Company. Maneuvering automatic control. 2,464,629, Mar. 15.
- Young, Clair L., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Block press. 2,489,843, Nov. 29.
- Young, Claude A., Chicago, Ill. Glare shield. 2,477,680, Aug. 2.
- Young, Clint, East St. Louis, Ill. Puncture-proof self-sealing pneumatic tire. 2,489,995, Nov. 29.
- Young, Cyril C. and D. F. Troupe, assignors to The Vendo Company, Kansas City, Mo. Combination door lock and valve for steam cookers. 2,458,461, Jan. 4.
- Young, David W.: *See—*
 Brakeley, Paul W., Jr., and Young.
 Dornte, Ralph W., and Young.
 Evans, Hector C., and Young.
 Hineline, Harris D., and Young.
 Morway, Arnold J., and Young.
 Sparks, William J., and Young.
 Thomas, Robert M., Young, and Calfee.
- Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Solid catalyst treatment of gaseous hydrocarbons. 2,458,818, Jan. 11.
- Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Isoolefin polymerization catalyzed by Friedel-Crafts double salts. 2,481,273, Sept. 6.
- Young, David W., Roselle, and C. E. Britton, Elizabeth, N. J., assignors to Standard Oil Development Company. Preparation of 2-3 methyl butadiene 1-3. 2,461,362, Feb. 8.
- Young, David W., Roselle, and W. J. Sparks, Westfield, N. J., assignors to Standard Oil Development Company. Copolymers of multiolefins with vinyl ethers and method of making same. 2,462,703, Feb. 22.
- Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Tough, flexible, polyamide resin-hydrocarbon resin compositions. 2,468,534, Apr. 26.
- Young, David W., Roselle, and P. W. Brakeley, Jr., Plainfield, N. J., assignors to Standard Oil Development Company. Hydrocarbon oil compositions. 2,474,342, June 28.
- Young, David W., Roselle, and W. H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company. Production of viscous oil by copolymerization of aromatic olefin with monoolefin. 2,474,881, July 5.
- Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Chemical process for tripolymers. 2,479,450, Aug. 16.
- Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Preparation of purified polyesters. 2,491,350, Dec. 13.
- Young, Don W., Dayton, Ohio. Angle of attack and yaw indicator and control mechanism. 2,463,585, Mar. 8.
- Young, Donald P., Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Manufacture of cyclic aliphatic dihydroxy compounds. 2,467,451, Apr. 19.
- Young, Dorris S., Wilsonville, Oreg. Pipe coupling. 2,469,538, May 10.
- Young, Douglas, Inc., assignee: *See—*
 Young, Lewis D.
- Young, Ellis H., Dayton, assignor of one-half to J. M. Dockstadter, Woodbridge, N. J. Adjustable pistol sight. 2,484,368, Oct. 11.
- Young, Ernest H., Niagara Falls, and A. W. Nowacki, North Tonawanda, N. Y., assignors to Comstock & Westcott, Inc., Cambridge, Mass. Apparatus for wrapping shrubs. 2,467,286, Apr. 12.
- Young, Forrest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drawworks transmission. 2,488,071, Nov. 15.
- Young, Foster J., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for stretching. 2,473,404, June 14.
- Young, Frank G., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Production of enol acetates. 2,461,016, Feb. 8.
- Young, Frank G., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Production of enol acetates. 2,461,017, Feb. 8.
- Young, Frank R., Bakersfield, Calif. Expanding earth anchor. 2,490,187, Dec. 6.
- Young, Frank W., Medfield, Mass. Foam control in brown stock washing. 2,478,150, Aug. 2.
- Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Metal reinforcement and forming same. 2,464,541, Mar. 15.
- Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Convactor heater cabinet. 2,488,843, Nov. 22.
- Young, Frederick C.: *See—*
 Vennerholm, Gosta, Ford, and Young.
- Young, George O., Robesonla, assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,461,583, Feb. 15.
- Young, George O., Robesonla, assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread tension mechanism. 2,470,123, May 17.
- Young, George O., Robesonla, assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread letoff feeding mechanism. 2,470,124, May 17.
- Young, George O., Robesonla, assignor to Vanity Fair Mills, Inc., Reading, Pa. Automatic beam letoff. 2,470,125, May 17.
- Young, George O., Robesonla, assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,476,344, July 19.
- Young, George O., Robesonla, assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,480,175, Aug. 30.
- Young, Graeme E., Hollywood, Calif. Miniature rotatable stage or exhibiting device. 2,460,328, Feb. 1.
- Young, Harland H.: *See—*
 Grettie, Donald P., and Young.
- Young, Harland H., Chicago, Ill., and D. Rubinstein, Brookline, Mass., assignors to Swift & Company, Chicago, Ill. Detergent composition. 2,483,253, Sept. 27.
- Young, Harold N.: *See—*
 Young, Thomas J. and H. N., and Rambo.
- Young, Henry B., assignor to Mission Manufacturing Company, Houston, Tex. Protective sleeve for pump rods. 2,470,540, May 17.
- Young, Henry B., Houston, Tex. Slush pump piston. 2,470,541, May 17.
- Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote-control system. 2,460,337, Feb. 1.
- Young, Henry W., Sao Paulo, Brazil. Celestial navigational instrument. 2,467,360, Apr. 12.
- Young, Hiram C., Neenah, Wis. Clothespin. 2,464,015, Mar. 8.
- Young, Irvin L., Chicago, Ill. Casing closure. 2,460,963, Feb. 8.
- Young, James F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,484,262, Oct. 11.
- Young, James H., assignee: *See—*
 Bannister, Bryant.
- Young, James H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkali metal perborates. 2,491,789, Dec. 20.
- Young, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polytetrafluoroethylene bonded shaped articles. 2,479,451, Aug. 16.
- Young, James K., Maylands, and E. A. Wright, Perth, Western Australia, Australia. Rotary retort. 2,468,318, Apr. 26.
- Young, John, Jr., Southgate, Calif., assignor to Hughes Tool Company, Houston, Tex. Tube support. 2,458,670, Jan. 11.
- Young, John E., Merchantville, N. J., assignor to Radio Corporation of America. High-frequency circuits. 2,474,769, June 28.
- Young, John E., Merchantville, N. J., assignor to Radio Corporation of America. Control circuit. 2,479,548, Aug. 16.
- Young, John E., Merchantville, and W. E. McCown, Gloucester, N. J., assignors to Radio Corporation of America. Control circuits. 2,462,799, Feb. 22.
- Young, John E., Merchantville, N. J., and E. Miller, Philadelphia, Pa., assignors to Radio Corporation of America. High-frequency generating system. 2,467,285, Apr. 12.
- Young, John L., Pittsburgh, Pa., assignor to The S. K. Wellman Company, Cleveland, Ohio. Treating metallic powders. 2,489,116, Nov. 22.
- Young, John L., Whitechurch, Cardiff, Wales, assignor to West Road Co. Limited, Chuck. 2,467,606, Apr. 19.
- Young, Kenneth A., Waban, assignor to Raytheon Manufacturing Company, Newton, Mass. Coupling system for wave guides. 2,474,137, June 21.
- Young, L. A., Spring & Wire Corporation, assignee: *See—*
 Asaro, Vito.
 Justice, Jesse L.
 Ludwig, Walter.
 Lupanoff, John.
 Morgan, Roland J.
 Stackhouse, George A.
- Young, Larry L., Pasadena, Calif., assignor to R. M. Wilmotte, Washington, D. C. Differential detection and counting of traveling pulses. 2,479,802, Aug. 23.
- Young, Lault F., Corpus Christi, Tex. Short round corrector. 2,478,219, Aug. 9.
- Young, Lawrence R., Seattle, Wash. Bottle closure means. 2,478,352, Aug. 9.
- Young, Leo L.: *See—*
 Eberlein, Otto H., and Young.
- Young, Leonard W., Moor Park, assignor to Ingersoll Limited, London, England. Staple for door locks. 2,470,735, May 17.
- Young, Leslie E., Cincinnati, Ohio. Fishing line sinker. 2,481,707, Sept. 13.
- Young, Leslie G., assignor to Arthur Wagner Company, Chicago, Ill. Dynamic balancing machine. 2,464,662, Mar. 15.
- Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Display box. 2,466,346, Apr. 5.

- Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Display box with pivoted closure. 2,467,545, Apr. 19.
- Young, Lloyd W., Elizabeth, N. J., assignor to Union Carbide and Carbon Corporation. Vibratory traction drive for blowpipe propelling machines. 2,466,143, Apr. 5.
- Young, Lloyd W., Elizabeth, N. J., assignor to The Linde Air Products Company. Blowpipe machine speed control mechanism. 2,477,108, July 26.
- Young, Louis J., Etna, Calif. Mowing machine. 2,488,886, Nov. 22.
- Young, Nathaniel P., Fairfax, Va. Joint for sewer pipes. 2,492,823, Dec. 27.
- Young, Nicholas A., and P. Brehm, assignors to American Machine Works, Racine, Wis. Box stitching machine. 2,481,057, Sept. 6.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmission system. 2,471,473, May 31.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone & Radio Corporation, New York, N. Y. Combination television receiver and picture projector. 2,474,297, June 28.
- Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Television and pulse modulated sound system. 2,477,679, Aug. 2.
- Young Radiator Company, assignee: See—
Brinen, Howard F.
Brinen, Howard F., and Kothera.
Christensen, Donald W.
Hisey, Donald A.
Kidd, Earl H.
Shaw, Joe C.
Shaw, Joe C., and Schlapman.
Shaw, Joe C., and Walton.
Young, Fred M.
- Young, Ralph D., Morden, England. Floating body game apparatus. 2,461,461, Feb. 8.
- Young, Ralph D., Homestead, and J. K. Myers, Brentwood, Pa. Heating and cooling system. 2,476,018, July 12.
- Young, Ray C., and J. J. Brown, New Orleans, La., assignor to the United States of America as represented by the Secretary of Agriculture. Cord stretching apparatus. 2,474,927, July 5.
- Young, Raymond C., Manitowoc, Wis. Signal attachment for rural mail boxes. 2,483,992, Oct. 4.
- Young, Raymond W., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Rotary oscillating vane pump. 2,487,685, Nov. 8.
- Young, Raymond W., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Crankpin lubrication means. 2,490,293, Dec. 6.
- Young, Raymond W., Hohokus, and G. H. Keller, Radburn, N. J., assignors to Wright Aeronautical Corporation. Antidetonation system. 2,482,531, Sept. 20.
- Young, Richard C.: See—
Bennett, Donald R. and Pat, and Young.
- Young, Roy O., Bell, Calif. Torch holder for cutting openings. 2,463,075, Mar. 1.
- Young, Sanford C., French Creek, W. Va. Apparatus for connecting and disconnecting heavier-than-air aircraft while in flight. 2,471,599, May 31.
- Young, Sidney G., assignee: See—
Hollis, Gilbert.
- Young, Sidney G., London, England. Centering or like punch. 2,460,113, Jan. 25.
- Young, Thomas, assignor to Durex Products, Incorporated, New York, N. Y. Pessary. 2,475,071, July 5.
- Young, Thomas, Spokane, Wash. Tubular air heater. 2,475,120, July 5.
- Young, Thomas J. and H. N., and J. B. Rambo, Meridian, Idaho. Combination sweep rake and stacker. 2,462,152, Feb. 22.
- Young, Thomas N., Epsom, and E. G. B. Gledhill, Sutton, assignors to Freez-Seal Equipment Company Limited, New Malden, England. Repairing water pipes and equipment for use therein. 2,483,082, Sept. 27.
- Young, W. Harrison, Inc., assignee: See—
Young, William H.
- Young, William: See—
Ortman, Edward C., and Young.
- Young, William G., Chicago, Ill., assignor to Chicago Fire Brick Company. Replaceable furnace arch nose construction. 2,457,965, Jan. 4.
- Young, William H., assignor to W. Harrison Young, Inc., New York, N. Y. Flushing mechanism for water closets. 2,487,205, Nov. 8.
- Young, William R., Fairfield, Conn., assignor to General Electric Company. Adapter for fluorescent lamp sockets. 2,483,165, Sept. 27.
- Youngberg, Charles H.: See—
White, Charles H., Oehler, and Youngberg.
- Younghusband, James L., Chicago, Ill. Cigarette lighter. 2,475,733, July 12.
- Younghusband, James L., Chicago, Ill. Lipstick device. 2,489,001, Nov. 22.
- Youngquist, Carl H., assignor to Crane Co., Chicago, Ill. Pressure sealed stuffing box. 2,484,663, Oct. 11.
- Youngquist, Clarence R., Terry, Minn. Writing instrument with adjustable lead. 2,463,345, Mar. 1.
- Youngs, Homer S., Oakton, Va. Hair fastening pin. 2,466,529, Apr. 5.
- Youngs, Howard E.: See—
Horn, George B., and Youngs.
- Youngstown Sheet and Tube Company, The, assignee: See—
Stanier, John S., and Plott.
- Youngstown Steel Door Company, The, assignee: See—
Beauchamp, Wilfred A., and Lute.
Beauchamp, Wilfred A., and Madland.
Ditchfield, Frank.
Doyle, Arthur J.
Madland, Gabriel.
Madland, Thorvald.
Rudolph, George A.
Tipton, Alvin E.
- Yount, Charles W., Indianapolis, Ind. Cylinder reboring machine. 2,486,813, Nov. 1.
- Yount, Earle A.: See—
Hansen, Merrill E., and Yount.
- Yount, Stanley G., Los Angeles, and P. R. Halstead, Compton, assignors to Southland Paper Converting Company, Los Angeles, Calif. Bag and making the same. 2,474,770, June 28.
- Yowell, Howard L., Elizabeth, and C. E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company. Purifying alkyl halides. 2,458,819, Jan. 11.
- Yowell, Howard L., Elizabeth, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Purification of unsaturated hydrocarbon mixtures. 2,460,056, Jan. 25.
- Yoxsimer, Orland H., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator having means for minimizing condensation. 2,473,322, June 14.
- Yesskin, Samuel, Newark, N. J. Starter gearing. 2,474,882, July 5.
- Ystrom, Johan B.: See—
Jones, Lyman L., and Ystrom.
- Yuan, Luke Chia-Lin, Princeton, N. J., assignor to Radio Corporation of America. Frequency modulated radar system of superheterodyne type. 2,475,176, July 5.
- Yuba Manufacturing Company, assignee: See—
Foster, Edward A.
Gruger, Ralph E.
Sharp, Bayard, and Hess.
Von Bolhar, Edgar.
- Yule, George W., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive compositions and adhesive sheets. 2,463,452, Mar. 1.
- Yule, John A. C., assignor to Eastman Kodak Company, Rochester, N. Y. Optical scanning device. 2,478,555, Aug. 9.
- Yule, John A. C., and F. B. Johnston, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of photographic fine contact screens. 2,478,443, Aug. 9.
- Yule, John A. C., and F. B. Johnston, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of photographic contact screens. 2,478,444, Aug. 9.
- Yungel, Karl E., Belleair, Fla. Fishing plug. 2,478,801, Aug. 9.
- Yunger, Morris, Dayton, Ohio. Measuring device. 2,465,778, Mar. 29.
- Yurick, Francis J.: See—
Yurick, Joseph, and F. J.
- Yurick, Joseph, and F. J., Shamokin, Pa. Safety device for blasting caps. 2,471,381, May 24.
- Yurkovich, George, Harmarville, Pa. Baby cradle rocked by electricity. 2,478,445, Aug. 9.
- Yuschack, Steve, Youngstown, Ohio. Shock eliminating device for railroad track scales. 2,492,130, Dec. 20.
- Yuza, Rudolph, assignor to A. Dalkin Company, Chicago, Ill. Mixing valve. 2,460,161, Jan. 25.
- Yuza, Rudolph, assignor to A. Dalkin Company, Chicago, Ill. Beverage dispensing apparatus. 2,491,633, Dec. 20.
- Zaat, Josephus A. B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube with trimming condenser. 2,488,791, Nov. 22.
- Zabel, William C. P., and R. C. Helfenbein, assignors to Plasmitt Corporation, Chicago, Ill. Culinary utensil. 2,474,451, June 28.
- Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Cathode. 2,479,192, Aug. 16.
- Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Articulated cathode. 2,479,193, Aug. 16.
- Zaccagnino, Dominick, Newark, N. J. Musical instrument. Re. 23,162, Oct. 25.
- Zacek, Paul W., assignor to Caspers Tin Plate Company, Chicago, Ill. Magnetically operated switch. 2,483,717, Oct. 4.
- Zachae, Gottfried C., Norwich, Conn. Electrical testing device for attachment to flashlights. 2,469,910, May 10.
- Zacharias, Erhard, New York, N. Y. Electric fan. 2,472,039, May 31.
- Zachary, Alexis, New York, N. Y. Hair curler. 2,482,052, Sept. 13.
- Zack, Samuel I., Paxtang, Pa. Method and apparatus for treating sewage. 2,473,323, June 14.

- Zackerson, Victor E., Alameda, Calif., assignor of one-half to R. W. Jensen. Retacking machine. 2,478,353, Aug. 9.
- Zademach, Erich R., Hillside, and W. W. Clarke, Summit, assignors to Metalwash Machinery Company, Irvington, N. J. Gripper conveyor for suspending sheets. 2,478,034, Aug. 2.
- Zadina, Arthur F., Long Island City, N. Y. Golf shoe spike or calk. 2,459,610, Jan. 18.
- Zagar, Frank G., assignor to Zagar Tool, Inc., Euclid, Ohio. Chuck. 2,466,651, Apr. 5.
- Zagar Tool, Inc., assignee: *See*—Zagar, Frank G.
- Zagwyn, Theodore K., Waltham, and P. R. Kosting, Belmont, Mass. Treating vitreous fused silica. 2,459,209, Jan. 18.
- Zahanion, Dorene J., assignee: *See*—Roche, John C.
- Zahn, Eric H., Kirkland, Wash., assignor to Austenal Laboratories, Incorporated, New York, N. Y. Making denture base parts and applying artificial teeth thereto. 2,491,147, Dec. 13.
- Zahn, Eric H., Pound Ridge, N. Y., assignor to Austenal Laboratories, Incorporated, New York, N. Y. Mold. 2,459,402, Jan. 18.
- Zahn, Eric H., Pound Ridge, assignor to Austenal Laboratories, Incorporated, New York, N. Y. Pattern. 2,491,146, Dec. 13.
- Zahn, Otto E., Mishawaka, Ind., assignor to American Wheelabrator & Equipment Corporation, Motor control. 2,475,169, July 5.
- Zahn, Otto E., Penn Township, St. Joseph County, Ind. Leather skiver. 2,461,462, Feb. 8.
- Zahner, Gilbert, and G. Chérouvrier, Vesinet, assignors to Societe D'Applications Nouvelles D'Electricité et de Mécanique (S. A. N. E. M.), Paris, France. Automatic telephone calling system. 2,491,790, Dec. 20.
- Zahodiakin, Victor F., Short Hills, N. J. Work holder and twisting head for forming spiral studs. 2,465,504, Mar. 29.
- Zahodiakin, Victor F., Short Hills, N. J. Machine gun control. 2,477,846, Aug. 2.
- Zahodiakin, Victor F., Short Hills, N. J. Gun synchronization. 2,477,919, Aug. 2.
- Zahodiakin, Victor F., Short Hills, N. J. Fastening device. 2,487,916, Nov. 15.
- Zaidan, Joseph P., Philadelphia, Pa. Dispensing cigarette case. 2,457,966, Jan. 4.
- Zaiger, Max, assignee: *See*—Nesson, Israel.
- Zaiser, William, Rockville Center, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano casing. 2,470,674, May 17.
- Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Casing for upright pianos. 2,486,354, Oct. 25.
- Zajac, Ignatius, McDonald, assignor to E. E. Evans, Poland, Ohio. Picking apparatus. 2,489,605, Nov. 29.
- Zajicek, Richard W., Hammond, Ind. Collapsible hamper cart. 2,492,676, Dec. 27.
- Zak, Edward: *See*—Nadolny, Melvin F., and Zak.
- Zakarian, Nouchen, Paris, France. Automatically operated case for red lip-salve sticks. 2,487,505, Nov. 8.
- Zakel, Paul, Stockton, Calif. Load ejecting mechanism for carrying scrapers. 2,473,774, June 21.
- Zakel, Paul, Stockton, Calif. Bank scraping instrumentalities for carrying scrapers. 2,475,301, July 5.
- Zaleski, Mitchell J., and R. L. Richards, Chicago, Ill. Golf shoe spike. 2,491,596, Dec. 20.
- Zaleski, Stella S., Detroit, Mich. Photographer's light-proof bag. 2,487,506, Nov. 8.
- Zalkind, Albert M., Arlington, Va. Device for playing "salvo." 2,460,208, Jan. 25.
- Zalkind, Philip, New York, N. Y. Friction reducing device. 2,487,507, Nov. 8.
- Zallee Brothers, assignee: *See*—Zallee, James P., and Mank.
- Zallee, James P., Wilmington, and J. J. Mank, Newark, assignors, by mesne assignments, to Zallee Brothers, Wilmington, Del. Welded steel units for expansion joints. 2,489,844, Nov. 29.
- Zambakian, Irving: *See*—Beckman, Carl, and Zambakian.
- Zancan, Ottavio, New York, N. Y. Transmission control one-way shift lever. 2,489,735, Nov. 29.
- Zandelin, Fritz G., Malmo, and E. B. Ingelström, assignors to Aktiebolaget Gylling & Co., Stockholm, Sweden. Automatic phonograph. 2,484,775, Oct. 11.
- Zander, Albert A., Detroit, Mich. Grip and control mechanism for bowling. 2,482,395, Sept. 20.
- Zang, David R., Millbrae, Calif. Tractor track stabilizer. 2,483,308, Sept. 27.
- Zaoral, Josef, assignor to Bata, Národní podnik, Zlín, Czechoslovakia. Automatic hammering machine for use in the manufacture of shoes. 2,489,554, Nov. 29.
- Zapor, Emil G.: *See*—Bradford, William O., and Zapor.
- Zappacosta, Amedeo D., Havertown, Pa., assignor to Radio Corporation of America. Electronic frequency modulator. 2,461,364, Feb. 8.
- Zarem, Abe M.: *See*—Borek, John J., and Zarem.
- Zarem, Abe M., and F. R. Marshall, Pasadena, Calif. Circuits for pulsing essentially capacitive loads. 2,464,279, Mar. 15.
- Zarem, Abe M., Pasadena, Calif., and R. D. Weinhold, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Apparatus for resetting cathode-ray oscillographs. 2,477,847, Aug. 2.
- Zarembo Company, assignee: *See*—Hughes, Burton S.
- Zarlengo, Dominic A., Denver, Colo. Mathematical game. 2,481,058, Sept. 6.
- Zarodny, Serge J., Aberdeen, Md. Stereoscopic sight. 2,482,822, Sept. 27.
- Zarowin, Albert A., Brooklyn, N. Y., assignor to Eveready Keyholder Co., Inc. Key case plate. 2,477,536, July 26.
- Zarrs, Hobert R., Glendale, Calif. Fly tier's bobbin. 2,464,542, Mar. 15.
- Zausner, Max.: *See*—David, Herbert J., and Zausner.
- Zavales, Charles T., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray system. 2,492,343, Dec. 27.
- Zavales, Charles T., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Time delay control. 2,486,089, Oct. 25.
- Zavarella, Arthur, Agawam, Mass. Phosphating stainless steel surfaces. 2,476,345, July 19.
- Zawadzki, Walter J., Cheektowaga, N. Y. Buoyant soap holder. 2,465,050, Mar. 22.
- Zawistowski, Martin, Huntington Station, N. Y. Cloth-cutting machine. 2,480,278, Aug. 30.
- Zbar, Marcus J., Tampa, Fla. Spear gun. 2,462,248, Feb. 22.
- Zbrojovka Brno, assignee: *See*—Jozif, Josef.
- Zbrojovka Brno, Narodni Podnik, assignee: *See*—Koucky, Josef.
- Koucky, Josef and F.
- Zearfoss, Elmer W., Jr., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Two-temperature refrigerating system. 2,482,569, Sept. 20.
- Zearfoss, Elmer W., Jr., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigeration system. 2,487,012, Nov. 1.
- Zearfoss, Elmer W., Jr., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigeration. 2,492,610, Dec. 27.
- Zearfoss, Elmer W., Jr., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerating apparatus. 2,492,611, Dec. 27.
- Zebree, David T., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Delay electric initiator. 2,473,405, June 14.
- Zecher, Emil D., South Orange, N. J., assignor to F. W. Woolworth Co., New York, N. Y. Collector for money bags and other articles. 2,492,025, Dec. 20.
- Zeck, Ivan V., assignor to L. L. Thompson, Iowa Park, Tex. Spraying system. 2,462,034, Feb. 15.
- Zedler, Arthur O., Yonkers, N. Y. Suction base and Christmas tree stand. 2,489,845, Nov. 29.
- Zeeb, Stanley H.: *See*—Smisko, John, and Zeeb.
- Zeeb, Stanley H., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling. 2,461,863, Feb. 15.
- Zeeb, Stanley H., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling. 2,491,406, Dec. 13.
- Zeehuisen, Jacob J., Scheveningen, Netherlands; vested in the Attorney General of the United States. Chemical retting process of producing bast fibers. 2,457,856, Jan. 4.
- Zehring, Frank E., Dayton, Ohio. Divider setting micrometer. 2,462,589, Feb. 22.
- Zeidler, Kurt E., Chicago, Ill. Blind bolt device. 2,469,349, May 3.
- Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid wheel. 2,474,298, June 28.
- Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Reversible plural clutch drive. 2,484,869, Oct. 18.
- Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-spreader mechanism for chain-stitch sewing machines. 2,482,079, Sept. 13.
- Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ravelproof seam and making the same. 2,487,988, Nov. 15.
- Zeik, E. Jack: *See*—Ruben, Louis, and Zeik.
- Zellman, Roy H., Elyria, assignor to The Thew Shovel Company, Lorain, Ohio. Cable drum. 2,478,615, Aug. 9.
- Zeiser, Frank: *See*—Schner, Charles, Jr., and Zeiser.
- Zeitlin, Alexander, New York, N. Y. Rotary pump. 2,491,351, Dec. 13.
- Zeitlin, Alexander, New York, N. Y. Rotary pump. 2,491,352, Dec. 13.
- Zeitlin, Benjamin R.: *See*—Omohundro, Allen L., Neumeier, and Zeitlin.

- Zelinka, Josef, assignor to Bata, Národní Podnik, Zlin, Czechoslovakia. Apparatus for the manufacture of turned footwear. 2,489,555, Nov. 29.
- Zelinski, William H., Columbus, Ohio, assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner and deflector therefor. 2,492,083, Dec. 20.
- Zelk, George S., Vallejo, Calif. Automobile disappearing warning signal. 2,473,187, June 14.
- Zell, Daniel D., assignee: *See*—Tamoschat, William.
- Zeller, Emil U.: *See*—Leber, Samuel, and Zeller.
- Zeller, Josef J., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,476,648, July 19.
- Zellner, Carl N., New Providence, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Polybasic acids and producing the same. 2,486,454, Nov. 1.
- Zellner, Carl N., New Providence, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of acidic compositions. 2,486,455, Nov. 1.
- Zellner, Carl N., New Providence, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Treatment of acidic compositions. 2,486,456, Nov. 1.
- Zellner, Carl N., New Providence, and H. B. Granholm, Westfield, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Diol compounds and esters thereof. 2,473,406, June 14.
- Zellweger A. G., Apparat- und Maschinenfabriken Uster, assignee: *See*—Meier, Heinrich.
- Zellweger, Walter: *See*—Caltabiano, Robert, and Zellweger.
- Zelvin, Arnold, New York, N. Y. Relatively movable membered puzzle. 2,460,563, Feb. 1.
- Zenith Radio Corporation, assignee: *See*—Adler, Robert.
- Adler, Robert, and Kalmus.
- Aram, Nathan W.
- Bell, John F.
- Bennin, Zolmon.
- Ewing, Edwin C.
- Johnson, Roland S.
- Kalmus, Henry P.
- Knowles, Hugh S.
- Morris, George V.
- Rennick, John L.
- Vernier, George.
- Vernier, George B., and Rost.
- Wagenknecht, Otto E.
- Wood, Frank.
- Zenner, Walter J., Des Plaines, Ill. Sound reproduction system. 2,458,043, Jan. 4.
- Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Perforating apparatus. 2,490,608, Dec. 6.
- Zenor, Hughes M., Kittredge, Colo., assignor to The Sperry Corporation. Automatic rotor balancing apparatus. 2,474,883, July 5.
- Zent, Bertha M.: *See*—Zent, George L. and B. M.
- Zent, George L. and B. M., Vancouver, Wash. Ornamental article holder. 2,484,776, Oct. 11.
- Zephyr American Corporation, assignee: *See*—Pollock, Martin S.
- Zephyr Laundry Machinery Company, assignee: *See*—Watson, Thomas S.
- Zern, Warren B., Pottstown, Pa. Tank flush ball and guide support. 2,460,114, Jan. 25.
- Zerner, Ernst, and M. Gradsztain, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Treatment of textiles with alkylamidoalkene orthosilicates. 2,477,779, Aug. 2.
- Zerner, Ernst, and P. I. Pollak, New York County, assignors to Sun Chemical Corporation, New York, N. Y. Treated textile and making. 2,489,473, Nov. 29.
- Zerr, Charles M., Independence, assignor to Union Wire Rope Corporation, Kansas City, Mo. Coreless operating cable. 2,491,293, Dec. 13.
- Zetka, Joseph B., Clifton, N. J., assignor to Sylvania Electric Products, Inc. Electron tube grid structure. 2,472,767, June 7.
- Zetterlund, Eleanor, administratrix: *See*—Zetterlund, Floyd H.
- Zetterlund, Floyd H., Duluth, E. Zetterlund, administratrix of said F. H. Zetterlund, deceased, assignor to L. E. Zetterlund, St. Louis County, Minn. Retention band. 2,479,803, Aug. 23.
- Zetterlund, Lawrence E., assignee: *See*—Zetterlund, Floyd H.
- Zetterquist, Eric A.: *See*—Franck, Clarence C., and Zetterquist.
- Zibelman, Frank A., Chicago, Ill. Portable radio receiver. 2,487,013, Nov. 1.
- Zickrick, Lyall: *See*—Adams, Roy L., and Zickrick.
- Ziebold, Eugene H.: *See*—Hasselhorn, Walter C., and Ziebold.
- Ziebolz, Herbert, Chicago, Ill., assignor to Askania Regulator Company. Direct current power supply system. 2,489,996, Nov. 29.
- Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Control system. 2,490,188, Dec. 6.
- Ziebur, Otto K., New London, Wis. Spindle for supporting work engaging strips. 2,477,109, July 26.
- Ziegler, Charles E., assignee: *See*—Pendleton, Ernest E., and League.
- Ziegler, Eugene R., Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Electric motor control system. 2,462,249, Feb. 22.
- Ziegler, Fred H., Cullman, Ala. Harrow tooth mounting. 2,472,242, June 7.
- Ziegler, John G., Walnut Creek, Calif., assignor to Taylor Instrument Companies, Rochester, N. Y. Method and apparatus for heat-treating liquids. 2,472,998, June 14.
- Ziegler, Marc: *See*—Labin, Edouard L., and Ziegler.
- Ziegler, Otto: *See*—Bailey, George B., and Ziegler.
- Ziegler, Paul F., Winnetka, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive tape. 2,481,895, Sept. 13.
- Ziegler, Paul F., Winnetka, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive tapes. 2,481,896, Sept. 13.
- Ziegler, William M., Clementon, N. J. Making naphthoquinones. 2,480,071, Aug. 23.
- Ziegler, William M., Clementon, N. J. Preparation of quinones. 2,480,072, Aug. 23.
- Ziehmer, George F., Jr., assignor to American Can Company, New York, N. Y. Can opening key. 2,478,962, Aug. 16.
- Zielinski, Joseph, Brooklyn, N. Y. Sprayer nozzle. 2,473,933, June 21.
- Zielinski, Leon F.: *See*—Bleakney, William M., and Zielinski.
- Ziels, Norbert W., Leonia, and W. H. Schmidt, Grantwood, N. J., assignors to Lever Brothers Company, Cambridge, Mass. Hydrogenating fat. 2,468,799, May 3.
- Ziemianin, John, Sr., deceased, Chicago, Ill.; V. Ziemianin, administratrix of said John Ziemianin, Sr. Strainer. 2,466,347, Apr. 5.
- Ziemianin, Valerie, administratrix: *See*—Ziemianin, John, Sr.
- Zienty, Ferdinand B., assignor to Monsanto Chemical Company, St. Louis, Mo. 4,5-dihydro-2-imidazolethiones. 2,480,819, Aug. 30.
- Zienty, Mitchell F., Elkhart, Ind., assignor to The Upjohn Company, Kalamazoo, Mich. 3-alkylsulfonamido-pyridinium salts. 2,473,121, June 14.
- Zierdt, Conrad H., Jr.: *See*—Morris, Henry D., and Zierdt, Jr.
- Ziers, John C., Independence, Mo. Power cutoff switch. 2,484,664, Oct. 11.
- Zies, Carl W., Lakewood, assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio. Impregnating machine. 2,483,864, Oct. 4.
- Zieschang, Gustav H.: *See*—Gordon, Chester S., Lally, and Zieschang.
- Zieschang, Richard, assignor to The Pyrene Company Limited, Brentford, England. Fire extinguisher. 2,472,506, June 7.
- Zieve, William A., Brooklyn, assignor to M. Moskowitz, Jamaica Estates, N. Y. Knitting machine cam race. 2,475,170, July 5.
- Ziffrin, Louis: *See*—Vogel, Oliver G., and Ziffrin.
- Zihlman, John T., San Diego, Calif., and S. H. Waldron, assignors to The American Oak Leather Company, Cincinnati, Ohio. Apparatus for flexing hides and leather. 2,474,884, July 5.
- Zika, Emil, Algoma, Wis. Milk strainer. 2,465,623, Mar. 29.
- Ziliotto, Giovanni C., Lake Orion, Mich. Dust collector. 2,473,672, June 21.
- Ziliotto, Louis, Richmond Hill, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Electric food mixer. 2,488,364, Nov. 15.
- Zim Manufacturing Company, assignee: *See*—Berkman, Herbert A.
- Zimbelman, George W., Signal Mountain, assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Porcelain-coated gas burner. 2,470,881, May 24.
- Zimbelman, George W., Signal Mountain, and R. Shelton, Red Bank, assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Sheet-metal gas burner. 2,470,880, May 24.
- Zimicki, Marche P., Strawn, Tex. Tractor-mounted, timber-cutting, axially adjustable, power-driven saw. 2,463,232, Mar. 1.
- Zimkin, Emanuel: *See*—Rowley, Derrick, Steiner, and Zimkin.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door operating mechanism for dump cars. 2,469,220, May 3.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door operating mechanism for load discharging cars. 2,477,397, July 26.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car door operating mechanism. 2,484,870, Oct. 18.

- Zimmer, John C. : *See*—
 Duncan, Gordon W., and Zimmer.
 Morway, Arnold J., and Zimmer.
 Norway, Arnold J., and Zimmer.
 Wasson, Jones I., and Zimmer.
- Zimmer, John C., Union, N. J., assignor to Standard Oil Development Company. Heat exchange media. 2,467,177, Apr. 12.
- Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Grease composition. Re. 23,082, Jan. 25.
- Zimmer, John C., Union, and Alan Beerbower, Westfield, N. J., assignors to Standard Oil Development Company. Determining the apparent viscosity of a grease. 2,459,483, Jan. 18.
- Zimmer, John C., Union, E. W. Carlson, Mountainside, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Lubricant addition agents. 2,467,176, Apr. 12.
- Zimmer, John C., Union, and A. Beerbower, Westfield, N. J., assignors to Standard Oil Development Company. Penetrating oil composition. 2,467,178, Apr. 12.
- Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Grease composition. 2,483,800, Oct. 4.
- Zimmer, John C., Union, and A. J. Morway, Rahway, N. J., assignors to Standard Oil Development Company. Low-temperature grease. 2,487,261, Nov. 8.
- Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Strainer. 2,460,614, Feb. 1.
- Zimmerli, Jacob G., New Hyde Park, assignor to Benziger Brothers, Inc., New York, N. Y. Tabernacle safe. 2,486,904, Nov. 1.
- Zimmerman, Bernhard G., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Recovery and recycling of manganic sulfate paste in organic oxidations. 2,462,050, Feb. 15.
- Zimmerman, Bernhard G., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Reduction of nitrophenols. 2,464,194, Mar. 8.
- Zimmerman, Charles F., Braddock Heights, assignor of one-half to W. J. Davis, Frederick, Md. Valve closure. 2,460,867, Feb. 8.
- Zimmerman, Charles H., Nichols, Conn. Aircraft having extensible landing gear positionable for horizontal and vertical take-off. 2,481,379, Sept. 6.
- Zimmerman, Charles H., Nichols, and H. J. Rapuano, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Single or multiengine drive for plural airscrews. 2,462,824, Feb. 22.
- Zimmerman, Charles H., Nichols, and H. J. Rapuano, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Automatic clutching means for multiengine drives. 2,462,825, Feb. 22.
- Zimmerman, Eugene R., Beloit, Wis. Fishing reel. 2,485,800, Oct. 25.
- Zimmerman, Fred R., assignor to Nichols Wire and Steel Company, Davenport, Iowa. Sinusoidal spring forming machine. 2,483,865, Oct. 4.
- Zimmerman, Gordon B., and C. G. Gerhold, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,465,076, Mar. 1.
- Zimmerman, Gordon B., and C. G. Gerhold, assignors to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon mixtures to remove halogens therefrom. 2,463,077, Mar. 1.
- Zimmerman, Harry, New York, N. Y. Xylophone. 2,458,462, Jan. 4.
- Zimmerman, Harry, New York, N. Y. Xylophone. 2,487,206, Nov. 8.
- Zimmerman, Merritt A., assignor to Associated Laboratories, Inc., Cleveland, Ohio. Auxiliary charging device for internal-combustion engines. 2,474,083, June 21.
- Zimmerman, Rae, Santa Ana, Calif. Nonwrinkle collar protector for garment hangers. 2,468,477, Apr. 26.
- Zimmerman, Rufus E., Short Hills, N. J., assignor to United States Steel Corporation of Delaware. Steel for elevated temperature service. 2,491,021, Dec. 13.
- Zimmerman, Sol M., Detroit, Mich., assignor to Plastikpl Laboratories, Inc., Chicago, Ill. Folder. 2,473,352, June 14.
- Zimmerman, Spencer Q., Detroit, Mich. Internal-combustion engine. 2,485,951, Oct. 25.
- Zimmerman, Walter W., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical power supply. 2,470,542, May 17.
- Zimmermann, Lukas, Birmingham, Mich. Hydraulic system utilizing flow dividers. 2,467,576, Apr. 19.
- Zimmermann, Lukas, Birmingham, Mich. Work rest and forming the same. 2,474,138, June 21.
- Zimmermann, Maximilian E., assignor to F. O. Martin, Los Angeles, Calif. Multiple hanger. 2,458,820, Jan. 11.
- Zinberg, Ivan H., Newark, N. J. Light conductor. 2,480,178, Aug. 30.
- Zindel, George, Jr., Fox Chase Manor, assignor to Philco Corporation, Philadelphia, Pa. Stop mechanism for rotating elements. 2,488,792, Nov. 22.
- Zingg, Theodor, Rorschach, Switzerland. Slotted wing for aircraft. 2,464,663, Mar. 15.
- Zingsheim, Edward W. : *See*—
 Peterson, Carl D., Deimel, and Zingsheim.
- Zingsheim, William E., Portland, Oreg. Anvil-die and jig for holes in sheet metal. 2,491,148, Dec. 13.
- Zink, John S., Tulsa, Okla. Burner and burner nozzle. 2,462,704, Feb. 22.
- Zink, John S., Tulsa, Okla. Directional heat fluid fuel burner. 2,487,959, Nov. 15.
- Zink, William L., Plano, B. T. Aasland and V. O. Hauswirth, Kankakee, assignors to Sears, Roebuck and Co., Chicago, Ill. Tractor mower. 2,490,894, Dec. 13.
- Zinkil, Roy H., Oak Park, E. A. Fredrickson, Chicago, and J. R. Turek, Berwyn, assignors to Crane Co., Chicago, Ill. Cover and mounting therefor. 2,466,652, Apr. 5.
- Zinn, Julius A., Jr., Belmont, Mass. Assembling containers. 2,480,176, Aug. 30.
- Zinn, Julius A., Jr., Chicago, Ill. Carton. 2,464,065, Mar. 8.
- Zinn, Julius A., Jr., and M. J. Wilson, Chicago, Ill., said Wilson assignor to said Zinn. Carton forming machine. 2,480,177, Aug. 30.
- Zinsmeyer Company, assignee : *See*—
 Myers, John W.
- Zintsmaster, Tim, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Resilient wheel. 2,476,173, July 12.
- Zion, Bernard, New York, N. Y. Dial telephone lock. 2,469,806, May 10.
- Ziola, Henry A., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Circuit control means. 2,483,866, Oct. 4.
- Zirbel, Carl J., Montezuma, Iowa. Bait applicator. 2,458,671, Jan. 11.
- Ziska, Adam, Wauwatosa, Wis., assignor to Ray-O-Vac Company. Plastic molding machine. 2,484,777, Oct. 11.
- Zisman, William A. : *See*—
 Friedman, Herbert, Zisman, and Sullivan.
- Zissoon, James : *See*—
 Seelig, Herman S., and Zissoon.
- Zitner, Berthold R., Burlington, Iowa. Screw-operated vise having a rack-engaging nut-actuated rocking pawl for quick adjustment. 2,464,630, Mar. 15.
- Zivi, Harold L., Evanston, Ill. Operating handle for pedal control. 2,481,966, Sept. 13.
- Zivny, Joseph C. : *See*—
 Briskin, Theodore S., and Zivny.
- Zmuda, Andrew W., and L. F. Hope, assignors to General Motors Corporation, Detroit, Mich. Photoelectric torsigraph. 2,491,240, Dec. 13.
- Zoch, Lawrence L., Jr., Madison, Wis. Reciprocating cylinder internal-combustion engine. 2,458,672, Jan. 11.
- Zodtner, Harlan H., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,462,929, Mar. 1.
- Zoerlein, Emil, assignor to Ford Motor Company, Dearborn, Mich. Distributor coupling. 2,472,327, June 7.
- Zola, Colman : *See*—
 Wheeler, Francis E., and Zola.
- Zoldy, Eugene G. : *See*—
 Gibbons, Henry B., and Zoldy.
- Zommer, William P., Lake Zurich, Ill. Dispenser with measuring chamber of adjustably variable capacity. 2,461,363, Feb. 8.
- Zona, Vittorio, assignor to Pirelli Società Per Azioni, Milan, Italy. Mixer for plastic materials. 2,485,854, Oct. 25.
- Zopfi, William L., assignee : *See*—
 Greenbaum, Maurice.
- Zorn, Fritz M. : *See*—
 Roderick, Howard F., and Zorn.
- Zoromskis, Stanley M., Kenosha, Wis. Piston for high-compression engines. 2,474,564, June 28.
- Zoss, Abraham O., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing resinous products from acetylene and secondary and tertiary alkyl phenols. 2,459,137, Jan. 11.
- Zoss, Abraham O., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing stabilized vinyl ether polymers. 2,477,225, July 26.
- Zsamboky, Theodore A. : *See*—
 Relling, Martin Th., and Zsamboky.
- Zsinor, John : *See*—
 Tibores, Alexander J., and Zsinor.
- Zsinor, John, and A. J. Tibores, Detroit, Mich.; said Zsinor assignor to said Tibores. Scooter construction. 2,468,910, May 3.
- Zublin, John A., Los Angeles, Calif. Drilling bit. 2,463,932, Mar. 8.
- Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ cabinet. 2,481,186, Sept. 6.
- Zucker, Gottlieb F., Chicago, Ill. Temperature control unit. 2,488,518, Nov. 15.
- Zucker, Morris A., New York, N. Y. Stapling machine attachment. 2,488,462, Nov. 15.
- Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Mechanism for multifolding printed webs. 2,487,404, Nov. 8.
- Zuckerman, Henry, New York, N. Y. Cosmetic holder. 2,491,241, Dec. 13.
- Zuckerman, Roscoe C., Stockton, Calif. Asparagus pack. 2,488,106, Nov. 15.
- Zuckerman, Samuel G., Brooklyn, assignor of one-eighth to A. B. Breslow, New York, N. Y. Collapsible portable cart. 2,471,553, May 31.

Zuehlke, Arthur A., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermosensitive bulb. 2,487,686, Nov. 8.

Zukas, Michael F., Flint, Mich. Universal radii former. 2,467,070, Apr. 12.

Zulinski, Edward J., and R. Barley, assignors to Progressive Welder Company, Detroit, Mich. Apparatus for resistance welding. 2,458,758, Jan. 11.

Zunick, Michael J., assignor to General Electric X-Ray Corporation, Chicago, Ill. Anode construction. 2,482,053, Sept. 13.

Zunick, Michael J., assignor to General Electric X-Ray Corporation, Chicago, Ill. Anode construction. 2,490,246, Dec. 6.

Zurn, J. A., Mfg. Co., assignee: *See—*

Kennedy, Thomas A.

Zuschlag, Theodore, West Englewood, N. J., assignor to H. T. F. Lundberg, Toronto, Ontario, Canada. Instrument for geophysical exploration. 2,461,864, Feb. 15.

Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic testing with artificial standard. 2,470,839, May 24.

Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Multiple indicating system. 2,485,343, Oct. 18.

Zwack, Raymond T., West Caldwell, assignor to Bendix Aviation Corporation, Teterboro, N. J. Fluid seal. 2,489,212, Nov. 22.

Zweidler, Reinhard: *See—*

Keller, Ernst, and Zweidler.

Zweig, Samuel, assignor to Milprint, Inc., Milwaukee, Wis. Plasticized composition of polyvinyl acetal. 2,492,512, Dec. 27.

Zwerling, Harry, Brooklyn, N. Y. Braced conduit construction. 2,491,700, Dec. 20.

Zwickl, Joseph R., East Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Purging system for refrigeration systems. 2,464,631, Mar. 15.

Zwicky, Fritz, Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Reaction propelled device for operation through water. 2,461,797, Feb. 15.

Zysk, Joseph M., Detroit, Mich. Micrometer height gauge. 2,478,518, Aug. 9.

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LIST OF DESIGN PATENTEEES

- A. P. W. Products Company, Inc., assignee: *See—*
Thompson, John.
- AVCO Manufacturing Corporation, assignee: *See—*
Taylor, Glenn.
- Abbott Laboratories, assignee: *See—*
Fields, Mack R.
- Aberbach, Irving, New York, N. Y. Brooch or similar article. 153,093, Mar. 22.
- Abrahamson, Charles M.: *See—*
Karstadt, Clarence, and Abrahamson.
- Abt, John H., New York, N. Y. Textile fabric. 153,745, May 17.
- Academy Electrical Products Corp., assignee: *See—*
Greenbaum, Arthur.
- Acco Mfg. Co., Inc., assignee: *See—*
Corbi, Alfred.
- Accurate Machine & Tool Corp., assignee: *See—*
Wedetzky, Elmer.
- Accurate Parts Manufacturing Company, assignee: *See—*
Shewitz, Newson, Sloane, and Vaiksoras.
- Aciform Corporation, assignee: *See—*
Werner, John, and Zeigler.
- Ackerman, Dolletta M., Los Angeles, Calif. Combination cosmetic jar or similar article. 155,564, Oct. 18.
- Ackerman, Morris, Brooklyn, N. Y. Lady's detachable handle brush. 156,473, Dec. 20.
- Ackermann, William E., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Tub or similar article. 154,226, June 28.
- Acme Shear Company, The, assignee: *See—*
Wheeler, Henry C.
- Acton, Grant M., Arkansas City, Kans., assignor to Acton Manufacturing Company, Inc. Portable beverage cooler. 152,580, Feb. 8.
- Acton Manufacturing Company, Inc., assignee: *See—*
Acton, Grant M.
- Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Place mat or similar article. 155,856, Nov. 8.
- Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Place mat or similar article. 155,857, Nov. 8.
- Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Place mat or similar article. 155,858, Nov. 8.
- Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Place mat or similar article. 155,859, Nov. 8.
- Adair, James E., assignor to The Meyercord Company, Chicago, Ill. Place mat or similar article. 155,860, Nov. 8.
- Adam, Frank, Electric Company, assignee: *See—*
Adam, Frederick B.
- Adam, Frederick B., Huntleigh Village, assignor to Frank Adam Electric Company, St. Louis, Mo. Electric wall heater. 153,487, Apr. 26.
- Adams, Emile L., assignor of one-half to E. E. Adams, Piedmont, Calif. Doll. 154,194, June 21.
- Adams, Ernest E., assignee: *See—*
Adams, Emile L.
- Adams, Gifford D., Butterfield, Mo. Grave marker. 153,248, Apr. 5.
- Adams, John T., Roslyn, N. Y. Cigarette lighter. 154,090, June 14.
- Adams, Wilbur H., assignor to Erie Meter Systems, Inc., Erie, Pa. Dispensing unit for filling stations. 155,959, Nov. 15.
- Adams, William D., Tampa, Fla. Head for canes and similar articles. 154,732, Aug. 9.
- Adams, William D., Tampa, Fla. Combined supporting stand and bar accessories. 155,861, Nov. 8.
- Adamson, Oswald R.: *See—*
Faill, Violet.
- Adler, Kurt, Seranton, Pa., and H. H. Rosenthal, New York, N. Y. Cigarette lighter. 155,565, Oct. 18.
- Adler, Paul, New York, N. Y. Dress. 155,670, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 155,671, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 155,672, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 155,673, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 155,674, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 155,675, Oct. 25.
- Adler, Paul, New York, N. Y. Dress ensemble. 155,676, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 155,677, Oct. 25.
- Adler, Paul, New York, N. Y. Suit. 155,678, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 155,679, Oct. 25.
- Adler, Paul, New York, N. Y. Dress. 156,398, Dec. 13.
- Adler, Samuel E., Chicago, Ill. Combination record player and radio cabinet. 155,862, Nov. 8.
- Adler, Samuel E., Chicago, Ill. Cabinet for a combined radio, television receiver, and phonograph. 156,474, Dec. 20.
- Addleston, Howard F., and G. I. Smith, San Francisco, Calif. Liquid dispensing device. 155,116, Sept. 13.
- Adrian, William M., Evanston, assignor to Patent License Corporation, Chicago, Ill. Mirror illumination unit. 154,892, Aug. 23.
- Advance Aluminum Castings Corp., assignee: *See—*
Grundstrom, Erik G.
- Affiliated Gas Equipment, Inc., assignee: *See—*
Greene, Harry R.
- Agricola, Karl A., assignor to Beaudideal Inc., Saginaw, Mich. Step attachment for rung ladders. 155,566, Oct. 18.
- Ahlstrand, Phillip M., Kenmore, and G. W. Patch, Jr., White Plains, N. Y. Gas storage unit. 155,960, Nov. 15.
- Air Products, Inc., assignee: *See—*
Peoples, Simeon K.
- Ailor, Howard T., Great Neck, N. Y. Weighing scale. 155,961, Nov. 15.
- Alamon, Roy M., Wichita Falls, Tex. Combination radio and phonograph cabinet or the like. 155,764, Nov. 1.
- Alba, Nicolo, Brooklyn, N. Y. Souvenir cake box or the like. 155,374, Oct. 4.
- Albanese, Arthur, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Expansible watch bracelet. 153,657, May 10.
- Albanese, Arthur, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Lady's bracelet. 154,972, Aug. 30.
- Albert, Carl P., and E. H. Rocks, assignors to Greene Manufacturing Co., Inc., Racine, Wis. Smoking stand. 156,475, Dec. 20.
- Albertson, George, Los Angeles, Calif. Grater. 153,249, Apr. 5.
- Aleks, Vytant, assignor to The Brearley Company, Rockford, Ill. Household weighing scale. 153,055, Mar. 15.
- Aleks, Vytant P., assignor to National Lock Company, Rockford, Ill. Handle. 155,471, Oct. 11.
- Alex, Ralph P., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter. 154,973, Aug. 30.
- Alexander, Cecil H., assignor to Zip Clip Knife Corporation, Grand Junction, Colo. Knife or similar article. 153,746, May 17.
- Alfsen, Allan L., assignee: *See—*
Conrad, Harry E.
- Allen, Grosvenor N., and W. H. Gerth, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 154,091, June 14.
- Allen, Grosvenor N., Oneida, and M. P. Fleming, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 155,863, Nov. 8.
- Allen, Raymond, assignee: *See—*
Kendall, Osmond, and Loach.
- Allen, Robert Y.: *See—*
Shaw, Melvin, and Allen.
- Allen, Robert Y., and M. Shaw, Beverly Hills, Calif., assignors to Frank M. Hoover, Incorporated, Youngstown, Ohio. Toy pig. 154,830, Aug. 16.
- Algeyer, Guy H., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 155,962, Nov. 15.
- Allied Plastics Company, assignee: *See—*
Crane, Walton B., and Crain.
- Crane, Walton B., and Treiman.
- Allmand, Earl C., Dallas, Tex. Rocker-glider settee. 154,355, July 5.
- Allmand, Earl C., Dallas, Tex. Rocker-glider chair. 154,356, July 5.
- All-Steel Equipment, Inc., assignee: *See—*
Karstadt, Clarence, and Abrahamson.
- Alphabest Products Corporation, assignee: *See—*
Goldbert, Marvin Y.
- Altman, Peter, assignor to Continental Motors Corporation, Detroit, Mich. Portable engine power unit housing. 154,974, Aug. 30.
- Aluminum Arts, Inc., assignee: *See—*
Kobbe, Daniel D.
- Aluminum Cooking Utensil Company, The, assignee: *See—*
Guild, Lurelle, and Towne.
- Alvarez, Edward V., assignor to The Plas-Tex Corporation, Los Angeles, Calif. Container for liquids. 155,963, Nov. 15.
- Alvizua, Jose M., New York, N. Y. Nail file. 154,227, June 28.
- Amberg, Harry, Rochester, N. Y. Lamp. 155,765, Nov. 1.
- Ambery, Paul E., Hazel Park, Mich. Smoothing iron. 154,733, Aug. 9.
- Amcoin Corporation, assignee: *See—*
Wertheimer, Leo.
- American Bolex Company, Inc., assignee: *See—*
Maple, Alpheus F.

- American Can Company, assignee: *See*—
 Brennan, Thomas F.
 Erb, George C.
 Tillmann, Richard O.
- American Car and Foundry Company, assignee: *See*—
 Kuhler, Otto A.
- American Fabrics Company, The, assignee: *See*—
 Wackerman, Charles S.
- American Floor Surfacing Machine Company, assignee: *See*—
 Dolan, Francis D.
- American Floor Surfacing Machine Company, The, assignee: *See*—
 Dolan, Francis D., and Vavrik.
- American Gas Machine Company, assignee: *See*—
 Sorenson, Irvin A.
- American Hardware Corporation, The, assignee: *See*—
 Dyson, Louis M.
- American Machine & Foundry Company, assignee: *See*—
 Stammler, John F.
- American Machine and Metals, Inc., assignee: *See*—
 Waite, Ralph D.
- American Molded Products Co., assignee: *See*—
 Stephen, Alexander F.
- American Optical Company, assignee: *See*—
 Armbruster, John T.
 Jonassen, Severin.
 Wells, Raymond L.
- American Safety Razor Corporation, assignee: *See*—
 Arrighi, Angelo.
 De Mesquita, Edwin B.
 Stahl, Gerald E.
- American Seating Company, assignee: *See*—
 Barecki, Chester J.
 Bond, Willard H., Jr.
- Ames, B. C., Co., assignee: *See*—
 Ames, Warren.
- Ames, Warren, Newton, assignor to B. C. Ames Co., Waltham, Mass. Push type dial micrometer gauge. 156,189, Nov. 29.
- Amore, Leo J.: *See*—
 Van Doren, Harold, and Amore.
- Amplitone, Incorporated, assignee: *See*—
 Louchheim, Stuart F.
- Amston Silver Company, Inc., assignee: *See*—
 Lipman, Isadore A.
- Amstutz, Walter R., assignor to Butler Brothers, Chicago, Ill. Collapsing whisk broom. 154,454, July 12.
- Amyot, Pierre, Quebec, Quebec, Canada. Girdle. 152,581, Feb. 8.
- Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 154,013, June 7.
- Anbender, Harry, and W. J. Weinstein, Detroit, Mich. Perfume atomizer. 153,840, May 24.
- Andersen, Carl W., Seattle, Wash. Transparent liquid gauge. 155,864, Nov. 8.
- Anderson, Carl A., Cranston, R. I., assignor to Anderson Tool & Die Works, Inc. Tie holder. 154,831, Aug. 16.
- Anderson, Carl A., Cranston, R. I., assignor to Anderson Tool & Die Works, Inc. Tie holder. 154,975, Aug. 30.
- Anderson, Edmund E., Romeo, assignor to General Motors Corporation, Detroit, Mich. Automobile instrument panel. 154,576, July 26.
- Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Shell for a bracelet or similar article. 153,747, May 17.
- Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Top shell for an expandible bracelet or similar article. 153,748, May 17.
- Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Top shell for an expandible bracelet or similar article. 153,749, May 17.
- Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Wrist watch bracelet. 154,014, June 7.
- Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Top shell for an expandible bracelet or similar article. 154,015, June 7.
- Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Top shell for a wrist watch bracelet. 154,832, Aug. 16.
- Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Terminal link for an expandible wrist watch bracelet or similar article. 154,893, Aug. 23.
- Anderson, Otto E. E., San Francisco, Calif. Lens testing instrument. 154,734, Aug. 9.
- Anderson Tool & Die Works, Inc., assignee: *See*—
 Anderson, Carl A.
- Anderson, Ralph L., New York, N. Y. Lace. 153,750, May 17.
- Anderson, Stanley E., and G. L. Menches, Billings, Mont. Game board. 155,786, Nov. 1.
- Andre, Gustaf E., Chicago, Ill. Combination ash tray and coaster. 152,313, Jan. 11.
- Andres, Charles M.: *See*—
 Broun, Morrison J., and Andres.
- Andres, Lloyd J., assignor to Permo, Incorporated, Chicago, Ill. Phonograph pickup. 156,307, Dec. 6.
- Anemostat Corporation of America, assignee: *See*—
 Phillips, Leonard R.
- An-Fo Manufacturing Company, assignee: *See*—
 Rosefield, John B.
- Angerer, Anthony T., Girard, Pa. Cigarette holder. 156,593, Dec. 27.
- Animal Trap Company of America, assignee: *See*—
 Sakier, George.
- Ansul Chemical Company, assignee: *See*—
 Guise, Arthur B., and Johnson.
 Johnson, Theodore W., and Hastert.
- Apex Accessories Co., Inc., assignee: *See*—
 Pinson, Alfred.
- Apex Electrical Manufacturing Co., assignee: *See*—
 Chapman, David, and Wiltshire.
- Apple, Merrill K., assignor to McCaldry, Inc., Oakland, Calif. Grinder. 153,751, May 17.
- Appleby, William, Brooklyn, N. Y. Perfume container. 154,228, June 28.
- Appliance Manufacturing Company, assignee: *See*—
 Dunn, Vernon E.
- Aqua-Sportsman, Inc., assignee: *See*—
 Pies, Othmar W.
- Arabib, Louis, assignor, by mesne assignments, to Shade O'Shingle Awning Company, Houston, Tex. Shingle awning or the like. 156,190, Nov. 29.
- Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Child's scooter. 153,757, May 3.
- Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Brief case. 153,658, May 10.
- Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 153,659, May 10.
- Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 153,660, May 10.
- Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 153,661, May 10.
- Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 154,092, June 14.
- Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 154,229, June 28.
- Arbib, Richard H., Grosse Pointe Woods, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Vehicle sun visor. 154,735, Aug. 9.
- Arbib, Richard H., Grosse Pointe Woods, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard or similar article. 155,767, Nov. 1.
- Arcier, Alex F., Dayton, Ohio, assignor to The Waco Aircraft Company. Airplane. 155,256, Sept. 20.
- Arden, Elizabeth Sales Corporation, assignee: *See*—
 Graham, Elizabeth N.
- Arehart, David D.: *See*—
 Hanson, Frank D., Arehart, and Dittmer.
- Arenson, Louis B., Chicago, Ill. Clock. 153,199, Mar. 29.
- Argus, Incorporated, assignee: *See*—
 Hertzler, Frederick W.
- Arlington Chair Co., assignee: *See*—
 Waaranan, Walter W.
- Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Microfilm projector or similar article. 154,093, June 14.
- Armbruster, Robert C., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Combination kitchen unit. 153,094, Mar. 22.
- Armbruster, Robert C., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Combination kitchen unit. 153,095, Mar. 22.
- Armstrong, Catherine C., assignee: *See*—
 Armstrong, Kenneth R.
- Armstrong Cork Company, assignee: *See*—
 Steelman, James S.
- Armstrong, George R., McKeesport, Pa. Ball game board. 152,314, Jan. 11.
- Armstrong, Kenneth R., Battle Creek, Mich., assignor, by decree of court, to C. C. Armstrong. Earring rack. 154,094, June 14.
- Armstrong, Russell H., Chicago, Ill., assignor to Wayne Knitting Mills, Fort Wayne, Ind. Chart housing. 153,332, Apr. 12.
- Armstrong, Russell H., Chicago, Ill., assignor to Wayne Knitting Mills, Fort Wayne, Ind. Chart housing. 153,412, Apr. 12.
- Arnao, Salvatore A., Brooklyn, N. Y. Combination high chair and rocking chair. 153,333, Apr. 12.
- Arnold, Berel A., assignor, by mesne assignments, to Debonair, Inc., Boston, Mass. Billfold or the like. 155,567, Oct. 18.
- Aro Equipment Corporation, The, assignee: *See*—
 Ginter, Charles W.
 Robillard, Robert J.
 Wagner, Franz.
- Aronov, Philip, Arcadia, Calif. Shoe. 154,651, Aug. 2.
- Aronowitz, Isaac J., Cambridge, England. Tobacco pipe cover. 154,736, Aug. 9.
- Arpels, Claude, New York, N. Y. Brooch or similar article. 152,388, Jan. 18.

- Arpels, Claude, New York, N. Y. Brooch or similar article. 154,357, July 5.
- Arpels, Claude, New York, N. Y. Vanity case. 153,096, Mar. 22.
- Arrighi, Angelo, Union City, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Table lighter holder. 155,375, Oct. 4.
- Arrighi, Angelo, Union City, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cigarette holder. 155,568, Oct. 18.
- Artisan Engineering & Mfg. Co., assignee: *See*—Porter, Osgood.
- Artolier Corporation, assignee: *See*—Silberhartz, Philip.
- Asaro, Salvatore, New York, N. Y. Combination kitchen unit. 154,577, July 26.
- Asaro, Salvatore, New York, N. Y. Combination kitchen unit. 154,578, July 26.
- Ash, Richard, Brooklyn, assignor to Joe Lowe Corporation, New York, N. Y. Bakery carton. 156,308, Dec. 6.
- Associated Manufacturers Inc., assignee: *See*—Dilger, Herman R., Kline, and Leonard.
- Astatic Corporation, The, assignee: *See*—Federico, Joseph B.
- Federico, Joseph B., and Palo.
- Asteroff, J. Leah, New York, N. Y. Jacket. 153,097, Mar. 22.
- Asteroff, J. Leah, New York, N. Y. Jacket. 153,662, May 10.
- Asteroff, J. Leah, New York, N. Y. Suit. 155,865, Nov. 8.
- Asteroff, J. Leah, New York, N. Y. Suit. 155,866, Nov. 8.
- Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Sanding machine. 152,763, Feb. 22.
- Atkins, Allen L., Chicago, Ill. Scroll saw. 154,579, July 26.
- Atkins, E. C., and Company, assignee: *See*—Weaver, Frank.
- Atkinson, Wade & Co., Inc., assignee: *See*—Pile, Joseph.
- Atlanta Stove Works, Inc., The, assignee: *See*—King, Jay E., and White.
- Atlas Manufacturing and Sales Company, The, assignee: *See*—Jenkins, Wallace A.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet or the like. 152,235, Jan. 4.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet or the like. 152,236, Jan. 4.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Terminal link for a watch bracelet or similar article. 152,237, Jan. 4.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expandable chain for a bracelet or similar article. 155,257, Sept. 20.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet link or similar article. 155,376, Oct. 4.
- Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Jewelry component or similar article. 156,191, Nov. 29.
- Aulich, Robert L., San Francisco, Calif. Combination lamp and ash tray. 152,849, Mar. 1.
- Aurora Equipment Company, assignee: *See*—Dunham, Thomas M.
- Austin, Mathias, Flushing, assignor of fifty per cent to M. Keller, New York, N. Y. Combined watchcase and watch bracelet or similar article. 155,768, Nov. 1.
- Austin, Warner, San Diego, and R. H. Burgert, Alpine, Calif.: said Austin assignor to said Burgert. Book end. 154,580, July 26.
- Autogiro Company of America, assignee: *See*—Stanley, Paul H.
- Auto Lamp Manufacturing Co., assignee: *See*—Dibelka, Henry G.
- Automatic Canteen Company of America, assignee: *See*—Otto, Carl L.
- Automatic Devices, Incorporated, assignee: *See*—Lombard, Joseph A.
- Automatic Electric Laboratories, Inc., assignee: *See*—McKenna, Edward F.
- Automatic Washer Company, assignee: *See*—Morgan, Jack.
- Autopoint Company, assignee: *See*—Beckstrom, Garfield L.
- Beckstrom, Garfield L., and Krause. Winter, Frank.
- Auto-Test, Incorporated, assignee: *See*—Mansfield, Ralph.
- Autoyre Company, Incorporated, The, assignee: *See*—Sanford, Roy S.
- Simpson, Paul F.
- Avery, Robert J., Clearwater, Manitoba, Canada. Flash-light. 156,065, Nov. 22.
- Aves, Fred J., West Los Angeles, Calif. Rear view mirror. 154,833, Aug. 16.
- Avila, John V., San Jose, Calif. Building. 153,841, May 24.
- Avonshire Knitwear, Inc., assignee: *See*—Kaplan, Abraham.
- Kaplan, Abraham A.
- Ayer, Harriet Hubbard, Inc., assignee: *See*—Lewis, Ralph P.
- Ayers, William J., New Castle, Pa. Coin bank. 156,066, Nov. 22.
- B. V. D. Corporation, The, assignee: *See*—Eckstein, Bernard.
- Babcock, George, Chicago, Ill., assignor to Wm. Wrigley Jr. Company. Confection vending machine. 154,358, July 5.
- Baby-Safe Toys, Inc., assignee: *See*—Woods, Constance.
- Bach, Alfons, New York, N. Y., assignor to H. & A. Selmer, Inc., Elkhart, Ind. Piano or similar article. 154,737, Aug. 9.
- Backer, Wesley H., Livingston, assignor to Harback Manufacturing Company, Orange, N. J. Christmas tree ornament or similar article. 156,476, Dec. 20.
- Bader, Carl, St. Louis, Mo. Automatic shoeshine machine. 153,842, May 24.
- Badge, William C., Detroit, Mich. Fish lure. 153,250, Apr. 5.
- Badger Engraving Company, Inc., assignee: *See*—Kent, Frederick W., and Sievert.
- Badger Glove and Slipper Company, assignee: *See*—Kienzie, Raymond J.
- Schreck, Robert J.
- Badish, Alan, Brooklyn, N. Y. Embroidered edging. 154,581, July 26.
- Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Toy seeder. 155,867, Nov. 8.
- Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Toy carousel. 156,309, Dec. 6.
- Baier, Walter, Wuerttemberg, Germany. Combination lighter, cigarette receptacle, and ash tray. 154,359, July 5.
- Bailey, Genevieve E., Butte, Mont. Doll. 154,582, July 26.
- Bailey, Kenneth R., West Dearborn, Mich. Combined automobile and airplane. 155,569, Oct. 18.
- Baird, William M., Chicago, Ill. Refrigerated dispensing cabinet. 154,976, Aug. 30.
- Baker & Co., Inc., assignee: *See*—Kinsley, Felix P.
- Baker, Frederick C., Portland, Oreg. Lighting fixture. 155,063, Sept. 6.
- Baker, Frederick C., Portland, Oreg. Lighting fixture. 155,064, Sept. 6.
- Baker, Frederick C., Portland, Oreg. Lighting fixture. 155,680, Oct. 25.
- Baker, Joseph E., Newark, Ohio. Front of sign letters or similar article. 153,752, May 17.
- Baker, Martin M., Port Chester, N. Y. Electric lamp. 153,056, Mar. 15.
- Baker-Raulang Company, The, assignee: *See*—Remde, Edward H.
- Baker, Robert F., Norwood, Ohio, assignor to R. F. Baker, C. Katsetos, F. Weiland, R. and G. Frankel, doing business as Ohio Advertising Display Company. Display sign. 155,328, Sept. 27.
- Balavny, Philipp B., Hatboro, Pa. Combination chair, ironing board, and stepladder. 153,488, Apr. 26.
- Balerank, Inc., assignee: *See*—Field, Richard P.
- Hand, Thomas L.
- Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Front for a goggle face. 154,230, June 28.
- Baldi, Salvador, New York, N. Y. Antenna. 156,399, Dec. 13.
- Baldwin Company, The, assignee: *See*—Millington, William, and Day.
- Baldwin Locomotive Works, assignee: *See*—Hadley, Donald L., Ryder, and Pedersen.
- Balfour, L. G., Company, assignee: *See*—Fitzgerald, Eugene G.
- Balkman, Charles S., Pittsburgh, Pa. Combination stove and refrigerator unit. 152,850, Mar. 1.
- Ballard, Almon O.: *See*—Ballard, Vernon D. and A. O.
- Ballard, Vernon D., Ferndale, and A. O. Ballard, Jerome, Mich. Scale. 155,769, Nov. 1.
- Ballard, Wade E., Los Angeles, Calif. Fire extinguisher. 153,098, Mar. 22.
- Ballard, Wade E., assignor to B. A. Wagner, Los Angeles, Calif. Combined lipstick and lip brush. 155,570, Oct. 18.
- Ballerino, Cecil, Los Angeles, Calif., assignor to The Magnalume Corporation. Trouble lamp. 156,192, Nov. 29.
- Ballou, B. A., & Co., Incorporated, assignee: *See*—Moulson, Frederick W.
- Bally, Inc., assignee: *See*—Hurzeler, Alphons.
- Balmer, James G. Jr., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Doll carriage. 154,360, July 5.
- Balog, Paul J., North Hollywood, Calif. Lady's nightgown. 152,448, Jan. 25.
- Bancroft-Relhim Corp., assignee: *See*—Miller, Morris.

- Banever, Gilbert, New Haven, Conn., assignor to General Electric Company. Measuring instrument case. 152,582, Feb. 8.
- Banker, George R., Omaha, Nebr. Candelabrum. 154,231, June 28.
- Bantam-Lite, Inc., assignee: *See*—Schwartz, Sidney.
- Barathon, Claude, Paris, France. Display stand or similar article. 155,770, Nov. 1.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring or the like. 154,016, June 7.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring or the like. 154,017, June 7.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring or the like. 154,018, June 7.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Ring or similar article. 154,019, June 7.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 155,258, Sept. 20.
- Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 155,259, Sept. 20.
- Barbour, Carl C., Houston, Tex. Pair of spectacles. 154,361, July 5.
- Bardach, Paul, Providence, R. I. Jewelry chain. 153,753, May 17.
- Bardach, Paul, Providence, R. I. Jewelry chain. 153,754, May 17.
- Bardach, Paul, Providence, R. I. Jewelry chain. 153,755, May 17.
- Bardach, Paul, Providence, R. I. Jewelry chain. 154,020, June 7.
- Bardach, Paul, Providence, R. I. Bracelet clasp. 154,527, July 19.
- Bardach, Paul, Providence, R. I. Jewelry chain connecting link. 154,738, Aug. 9.
- Barecki, Chester J., assignor to American Seating Company, Grand Rapids, Mich. Chair supporting base. 152,851, Mar. 1.
- Barg, William H., Los Angeles, Calif. Cake soap drainer tray or similar article. 154,583, July 26.
- Barnes, Frieda, Cleveland, Ohio. Container for powdered soap or similar article. 152,513, Feb. 1.
- Barnes Manufacturing Co., assignee: *See*—Thomssen, Amy L.
- Barnes, Taylor, Shreveport, La. Window ventilating fan. 153,099, Mar. 22.
- Barney, Arthur L., New York, N. Y., assignor to Tiffany & Company. Child's spoon or analogous article. 155,964, Nov. 15.
- Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Whitney Blake Company, Hamden, Conn. Electrical-connector body. 152,315, Jan. 11.
- Barofsky, Leslie V., Chicago, Ill. Jack-in-the-box display figure. 152,238, Jan. 4.
- Barok, George D., Columbus, Ohio. Casing head for weighing scales or similar article. 154,232, June 28.
- Baron, Leonard, Whitestone, N. Y., assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 153,100, Mar. 22.
- Baron, Leonard, Whitestone, N. Y., assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 155,260, Sept. 20.
- Baron, Leonard, Wauwatosa, assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 153,912, May 31.
- Baron, Leonard, Wauwatosa, assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 156,193, Nov. 29.
- Barron, Florence S.: *See*—Hadley, Donald L., and Barron.
- Bartlett, Thomas S., London, Ontario, Canada. Dish-washing machine. 153,913, May 31.
- Bartolomeo, Eugene R., Waterbury, Conn. Sail boat shelf figure. 153,843, May 24.
- Barton, Edward, Hamtramck, assignor to J. Fusik, Utica, Mich. Jewelry box. 155,117, Sept. 13.
- Barton, George G., assignor to Hartmann Company, Racine, Wis. Hand luggage case. 153,914, May 31.
- Basalay, Leo S., Chicago, Ill. Burial vault name plate. 153,844, May 24.
- Baselt, Walter H., Flossmoor, Ill. Railway brake beam. 155,771, Nov. 1.
- Baselt, Walter H., Flossmoor, Ill. Railway brake beam. 155,772, Nov. 1.
- Bashore, Homer H., Bucyrus, Ohio. Dental floss receptacle. 154,894, Aug. 23.
- Bass, Mervin A., assignor to Glass Decorators Incorporated, Pittsburgh, Pa. Ash tray or similar article. 154,977, Aug. 30.
- Bassett, Charlie J., Fairfax, Ala. Combined grater and receptacle. 152,764, Feb. 22.
- Bastien, Arthur D., Williamstown, Mass. Ring. 154,233, June 28.
- Batzler, Anthony J., Milwaukee, Wis. Mailbox. 154,234, June 28.
- Bau, Robert G., North Hollywood, Calif. Dispenser for face cream or the like. 155,377, Oct. 4.
- Baud, Georges, Paris, France. Box for a bottle or similar article. 154,978, Aug. 30.
- Bauer, William, assignor to The Tappan Stove Company, Mansfield, Ohio. Cooking range. 154,979, Aug. 30.
- Baum, Morris, New York, N. Y. Hat. 155,965, Nov. 15.
- Baumgardner, H. L., Corporation, assignee: *See*—Haggstrom, Arthur C.
- Baumgarten, David L., Los Angeles, Calif. Advertising sign. 154,652, Aug. 2.
- Baumgartner, John G., Oswego, Ill. Hand brush. 153,413, Apr. 19.
- Baur, John W.: *See*—Gustafsson, Eric, and Baur.
- Bausch & Lomb Optical Company, assignee: *See*—Perkins, Willard T.
- Stegeman, Raymond F. E.
- Bay State Optical Company, assignee: *See*—Cabana, Napoleon S.
- Hansen, Julius E.
- Bear Manufacturing Company, assignee: *See*—Martin, Sidney W.
- Beardsley, Edward H., and F. A. Lobley, assignors to Miles Laboratories, Inc., Elkhart, Ind. Dispensing device. 153,200, Mar. 29.
- Beatie, Charles D., assignee: *See*—England, William B.
- Beatty, Sylvanus F., Three Rivers, Mich. Chaps for gardening or like purposes. 156,400, Dec. 13.
- Beaudin, L. E., Shoe Company, assignee: *See*—Beaudin, Louis E.
- Beaudin, Louis E., assignor to L. E. Beaudin Shoe Company, Hanover, Pa. Shoe. 154,528, July 19.
- Beaudot, William H., Chicago, Ill. Popcorn dispenser. 153,201, Mar. 29.
- Beaudeau Inc., assignee: *See*—Agricola, Karl A.
- Beaver, Basil A., Minneapolis, Minn. Automobile servicing unit. 153,756, May 17.
- Beaver, Charles, Philadelphia, Pa. Lawn sprinkler. 153,334, Apr. 12.
- Beaver Pipe Tools, Inc., assignee: *See*—Pealer, Robert B.
- Bec Var, Arthur N.: *See*—Patten, Ray, and Bec Var.
- Bec Var, Arthur N., Bridgeport, and R. E. Munz, Fairfield, Conn., assignors to General Electric Company. Electric cube tap. 155,472, Oct. 11.
- Beck, Arthur, Chicago, Ill. Combination griddle and skillet. 154,195, June 21.
- Becker, Fred H., and L. F. Peabody, assignors to The Ohio Leather Company, Girard, Ohio. Leather or similar article of manufacture. 152,583, Feb. 8.
- Becker, Heinrich H., Los Angeles, Calif. Facial and body scraper. 155,773, Nov. 1.
- Becker, Henry, Culver City, Calif. Eyebrow pencil. 154,653, Aug. 2.
- Becker, Rodger F., Kalamazoo, Mich. Flashlight. 152,584, Feb. 8.
- Beckett, Reginald W., Elyria, Ohio. Heating oil burner or similar article. 152,668, Feb. 15.
- Beckstrom, Garfield L., and R. S. Krause, assignors to Autopoint Company, Chicago, Ill. Ash tray or similar article. 153,489, Apr. 26.
- Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Letter opener. 153,845, May 24.
- Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Temperature and humidity indicator housing. 153,846, May 24.
- Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Sliding blade knife. 155,378, Oct. 4.
- Beder, Samuel L., New York, N. Y. Football game toy. 154,235, June 28.
- Beebe, Frederick L., Manhattan Beach, assignor to Deutsch Co., Los Angeles, Calif. Shower head or similar article. 153,490, Apr. 26.
- Beechwood Company, Incorporated, assignee: *See*—Leister, George F. and M. L. K.
- Beer, Leo, Kew Gardens, N. Y. Braid. 154,362, July 5.
- Beer, Leo, Kew Gardens, N. Y. Braid. 154,363, July 5.
- Beer, Leo, Kew Gardens, N. Y. Braid. 154,584, July 26.
- Beeble, Carl N., Fairhaven, Mass. Oar. 156,194, Nov. 29.
- Beghetti, Peter, San Francisco, Calif. Straw and napkin holder. 155,473, Oct. 11.
- Behar, Samuel M., assignor to E. & J. Manufacturing Co., Glendale, Calif. Premature incubator. 154,654, Aug. 2.
- Belanger, Emile, and G. Mercier, Ahuntsic, Montreal, Quebec, Canada. Liquid wax applicator. 153,757, May 17.
- Beldue, William J.: *See*—Tuttle, William R., and Beldue.
- Bell Aircraft Corporation, assignee: *See*—Boza, Daniel.
- Nelson, Arthur W.
- Noble, Roy A., and Youngs.
- Trotter, John C.
- Bell, Clifford, Birmingham, Mich. Store front. 154,585, July 26.
- Bell & Howell Company, assignee: *See*—Strauss, Edward E.
- Bell Telephone Laboratories, Incorporated, assignee: *See*—Dreyfuss, Henry, and Hose.
- Hose, Robert H.
- Lum, George R.
- Ricker, Ralph H.

- Bellek, Frank G., assignor to Bell Electric Company, Chicago, Ill. Cover plate. 154,834, Aug. 16.
- Beller, Louis L., Oakland, Calif. Funnel. 153,202, Mar. 29.
- Bellin, Alvin J., assignor to National Store Fixture Co., Inc., Baltimore, Md. Chair. 153,101, Mar. 22.
- Belmont Clothes, Inc., assignee: *See*—Pleet, Sylvan.
- Beloit Iron Works, assignee: *See*—Hornbostel, Lloyd.
- Bemis, Kenneth E., Oakland, Calif. Paper cup holder. 155,379, Oct. 4.
- Ben-Ari, Seth, Millburn, N. J. Cabinet or similar article. 152,585, Feb. 8.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 152,449, Jan. 25.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 152,450, Jan. 25.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 154,455, July 12.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 154,980, Aug. 30.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 154,981, Aug. 30.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 154,982, Aug. 30.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 154,983, Aug. 30.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 155,380, Oct. 4.
- Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expandable link chain for a bracelet or the like. 155,571, Oct. 18.
- Bendix Aviation Corporation, assignee: *See*—Davis, Earle R.
Fontaine, Athanas P.
Hallward, Michael.
- Bendix Home Appliances, Inc., assignee: *See*—Boldt, Melvin H.
- Benfield, John D., Detroit, Mich. Pipe and tubing bender. 153,102, Mar. 22.
- Bennett, Ernest F.: *See*—Lewkowicz, Leon, and Bennett.
- Bennett, John A., Tulsa, Okla. Combined hairpin holder and opening fixture. 153,758, May 17.
- Bennett, Vivian R., Yucca Valley, near Whitewater, Calif. Rack for microscopic slides or similar article. 152,389, Jan. 18.
- Benninghofen, Paul, trustee, assignee: *See*—Katz, Russell.
- Benrus Watch Company, Inc., assignee: *See*—Grillkhes, Anatol.
- Bentley, Fred, Lansing, Mich. Shuttlecock. 155,966, Nov. 15.
- Bentley, Herbert, New York, N. Y. Woman's hat frame. 154,529, July 19.
- Bentley, Herbert, New York, N. Y. Woman's hat frame. 156,594, Dec. 27.
- Benziger Brothers, Inc., assignee: *See*—Tedeschi, Moreno.
- Bequette, Bernell J., Arvada, Colo. Belt for wearing apparel. 153,915, May 31.
- Berch, Samuel H., Beverly Hills, assignor, by mesne assignments, to Diced Cream of America Co., Los Angeles, Calif. Dish. 155,474, Oct. 11.
- Berch, Samuel H., Beverly Hills, assignor, by mesne assignments, to Diced Cream of America Co., Los Angeles, Calif. Goblet. 156,477, Dec. 20.
- Berch, Samuel H., Beverly Hills, assignor, by mesne assignments, to Diced Cream of America Co., Los Angeles, Calif. Goblet. 156,478, Dec. 20.
- Berg, Albert B., Oregon City, Oreg. Wash cloth holder. 154,456, July 12.
- Berg, Leo F., Oak Park, Ill., assignor to Hotpoint Inc. Electric range. 155,118, Sept. 13.
- Berg, Sidney H., East Orange, N. J., assignor to Loft Candy Corporation, Long Island City, N. Y. Container for candy or the like. 153,916, May 31.
- Berger, Irvin E., assignor to National Steel Cabinet Co., Chicago, Ill. Cabinet. 153,491, Apr. 26.
- Berglund, Sven: *See*—Karp, Edward C., and Berglund.
- Bergman, Arthur, Bronx, assignor to Mercury Ring Corp., New York, N. Y. Finger ring or similar article. 153,203, Mar. 29.
- Bergstrom, Adolph G., Rockford, Ill. Vehicle heater. 152,316, Jan. 11.
- Berland, Arthur M., Chicago, Ill. Combined knife holder and sharpener. 153,492, Apr. 26.
- Berlant Associates, assignee: *See*—Berlant, Emmanuel.
- Berlant, Emmanuel, Culver City, assignor to Berlant Associates, Los Angeles, Calif. Dictating machine. 153,414, Apr. 19.
- Berlant, Emmanuel, Culver City, assignor to Berlant Associates, Los Angeles, Calif. Dictating machine or similar article. 153,917, May 31.
- Berman, Bud, assignor to Bud Berman Sportswear, Inc., New York, N. Y. Basque shirt. 154,895, Aug. 23.
- Berman, Bud, assignor to Bud Berman Sportswear, Inc., New York, N. Y. Basque shirt. 154,896, Aug. 23.
- Berman, Bud, assignor to Bud Berman Sportswear, Inc., New York, N. Y. Basque shirt. 154,897, Aug. 23.
- Berman, Bud, Sportswear, Inc., assignee: *See*—Berman, Bud.
- Berman, Estelle, New York, N. Y. Wall support for hanging articles or similar article. 156,401, Dec. 13.
- Bernard, Jacques, Paris, assignor to Society Bernard Moteurs, S. A., Rueil-Malmaison, Seine-et-Oise, France. Motor unit. 154,655, Aug. 2.
- Berndt, Richard F., Plainfield, N. J., assignor, by mesne assignments, to John Oster Manufacturing Company, Racine, Wis. Electric hair drier. 155,475, Oct. 11.
- Bernstein, Milton, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 153,663, May 10.
- Bernstein, Milton W., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Comb holder or the like. 153,918, May 31.
- Berra, Albert, Eveleth, Minn. Flower basket. 153,919, May 31.
- Berry, Wilbur H., Alliance, assignor to The Electric Neon Mfg. Co., Cleveland, Ohio. Illuminable clock sign. 156,595, Dec. 27.
- Berstell, Leo, Waterbury, Conn. Pendant. 154,656, Aug. 2.
- Bersudsky, Sidney, Sidney, Nova Scotia, Canada. Educational toy. 154,739, Aug. 9.
- Bertholin, Paul, New York, N. Y. Vibrating apparatus for treating human bodies. 155,572, Oct. 18.
- Bete, Ray T., assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Tire. 155,065, Sept. 6.
- Beuson, Steve V., assignee: *See*—Pierce, Lyle F.
- Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 155,261, Sept. 20.
- Binder, Joseph, New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Carton. 152,765, Feb. 22.
- Binder, Joseph, New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Carton. 152,935, Mar. 8.
- Bindman, Stanley, assignor to Noma Electric Corporation, New York, N. Y. Toy building block. 155,329, Sept. 27.
- Binggely, Elmer C., Canton, and D. C. Gerber, assignors to The Hoover Company, North Canton, Ohio. Handle for a sadiron or similar article. 154,984, Aug. 30.
- Bingham, George H., Jr., assignor to The Cambridge Rubber Company, Taneytown, Md. Rubber boot. 155,573, Oct. 18.
- Bingman, Robert E., Detroit, Mich., assignor to Charles Peckat Manufacturing Co. Visor for automobile windshields. 156,479, Dec. 20.
- Binks Manufacturing Company, assignee: *See*—Gustafsson, Eric, and Baur.
- Binswanger-Henkin Industries, assignee: *See*—Moore, Robert L.
- Bird & Son, inc., assignee: *See*—Bordeaux, Robert D.
Macchi, Angelo P.
- Birnbaum, Charles, Brooklyn, N. Y. Tie clasp or similar article. 152,766, Feb. 22.
- Birnbaum, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 155,262, Sept. 20.
- Biro Manufacturing Company, The, assignee: *See*—Biro, Vincent G.
- Biro, Vincent G., Ottawa County, assignor to The Biro Manufacturing Company, Marblehead, Ohio. Hood for a power meat cutter. 152,317, Jan. 11.
- Birtman Electric Company, assignee: *See*—Karstadt, Clarence.
- Bishop, Norman E., Cleveland, Ohio. Lawn edger. 154,835, Aug. 16.
- Bishop, Robert H., Champaign, Ill. Attic fan. 154,740, Aug. 9.
- Bittle, Joseph J., Glendale, Calif. Game board. 156,310, Dec. 6.
- Biva, Lucien, Catskill, assignor to E. F. Timme & Son, New York, N. Y. Rug. 153,251, Apr. 5.
- Biva, Lucien, Catskill, assignor to E. F. Timme & Son, New York, N. Y. Rug. 153,252, Apr. 5.
- Biva, Lucien, Catskill, assignor to E. F. Timme & Son, New York, N. Y. Rug. 153,253, Apr. 5.
- Biva, Lucien, Catskill, assignor to E. F. Timme & Son, New York, N. Y. Rug. 153,254, Apr. 5.
- Black, Virgil, Grand Ridge, Ill. Combined shirt and tie. 155,381, Oct. 4.
- Blackmon, Delbert C., Olean, N. Y. Clamp. 154,898, Aug. 23.
- Blackstone Corporation, assignee: *See*—Briggs, Allan L.
- Blackwell, John H., Los Angeles, Calif. Coin purse or similar article. 156,402, Dec. 13.
- Blakely, Sidney B., assignor to National Battery Company, St. Paul, Minn. Battery dust cover. 155,476, Oct. 11.

- Blakeslee, Herbert G., Evanston, assignor to Cory Corporation, Chicago, Ill. Combined collar and handle for a coffee maker bowl or the like. 152,451, Jan. 25.
- Blakeslee, Herbert G., Evanston, assignor to Cory Corporation, Chicago, Ill. Coffee maker lower bowl. 153,493, Apr. 26.
- Blanchard, Theodore J., and J. E. Oettinger, Philadelphia, Pa. Combination beverage cooling and dispensing cabinet. 154,457, July 12.
- Bland, Reginald B., Newport News, Va. Case for a hearing aid amplifier unit. 153,576, May 3.
- Bland, Reginald B., Newport News, Va. Case for a hearing aid amplifier unit. 153,577, May 3.
- Blank, William, Montreal, Quebec, Canada. Steam generating boiler for steam heated flatirons. 153,119, Sept. 13.
- Blatt, Armand, New York, N. Y. Atomizer. 153,759, May 17.
- Blatt, Ray, Bronx, N. Y. Combined piano and lighting fixture. 154,741, Aug. 9.
- Blecher, Boris, Philadelphia, Pa. Ash tray. 152,452, Jan. 25.
- Block, Jesse, New York, N. Y. Reversible coat. 156,195, Nov. 29.
- Blomquist, Vernon F., Portland, Oreg. Rack for hosiery. 156,480, Dec. 20.
- Bloom, Allen, New York, N. Y. Door wicket. 152,852, Mar. 1.
- Bloom, Allen, New York, N. Y. Door wicket. 152,936, Mar. 8.
- Bloom, Allen, New York, N. Y. Combined door knocker and wicket. 152,937, Mar. 8.
- Bloom, Charles, Inc., assignee: *See—* Hamre, Marion R.
- Blue Mfg. Co., Inc., assignee: *See—* Klein, Virgil G., and Blue.
- Blue, Max T.: *See—* Klein, Virgil G., and Blue.
- Blueher, Gertrude, New York, N. Y. Lamp. 155,774, Nov. 1.
- Blum, Robert D., Jr.: *See—* Schwartz, Shepard B., and Blum, Jr.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,853, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,854, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,855, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,856, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,857, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,858, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,859, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,860, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,861, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,862, Mar. 1.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 153,103, Mar. 22.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 153,104, Mar. 22.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 153,105, Mar. 22.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 153,106, Mar. 22.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 153,107, Mar. 22.
- Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 155,382, Oct. 4.
- Blumfield, Joseph, Los Angeles, Calif. Hand operated rug hooker. 152,318, Jan. 11.
- Bocher, Main R., New York, N. Y. Perfume bottle. 152,239, Jan. 4.
- Bocher, Main R., New York, N. Y. Perfume flacon. 152,938, Mar. 8.
- Bocher, Main R., New York, N. Y., assignor to Passavant Memorial Hospital, Chicago, Ill. Hat. 156,403, Dec. 13.
- Bocher, Main R., New York, N. Y., assignor to Passavant Memorial Hospital, Chicago, Ill. Hat. 156,404, Dec. 13.
- Boeing Airplane Company, assignee: *See—* Zipp, Harold W., Hudson, and Weining.
- Boepple, Hans, New York, N. Y. Sweater. 153,108, Mar. 22.
- Boettcher, Gustav A., Jackson Heights, N. Y. Frame for a multineedle sewing machine. 155,263, Sept. 20.
- Bogan, Eli, New York, N. Y. Handbag. 153,760, May 17.
- Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 152,669, Feb. 15.
- Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Chain for a necklace or similar article. 154,657, Aug. 2.
- Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 155,121, Sept. 13.
- Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 155,122, Sept. 13.
- Bogoff, Herman, Chicago, Ill. Bracelet or the like. 152,453, Jan. 25.
- Bogoff, Herman, Chicago, Ill. Bracelet or the like. 152,454, Jan. 25.
- Bogoff, Herman, Chicago, Ill. Necklace or the like. 153,204, Mar. 29.
- Bogoff, Herman, Chicago, Ill. Bracelet or the like. 154,458, July 12.
- Bogoff, Herman, Chicago, Ill. Link bracelet or similar article. 155,120, Sept. 13.
- Bogoff, Herman, Chicago, Ill. Bracelet or similar article. 156,311, Dec. 6.
- Bogoff, Herman, Chicago, Ill. Earring. 156,312, Dec. 6.
- Bogoff, Herman, Chicago, Ill. Bracelet or similar article. 156,313, Dec. 6.
- Bogoff, Herman, Chicago, Ill. Bracelet or similar article. 156,314, Dec. 6.
- Bohannon, George S., Fort Worth, Tex. Molding machine or the like. 153,578, May 3.
- Boice, William B., assignor to Boice-Crane Company, Toledo, Ohio. Grinder or the like. 154,530, July 19.
- Boice-Crane Company, assignee: *See—* Boice, William B.
- Boileau, Arthur H., and C. J. Rayman, Cedar Rapids, and H. W. Miller, Davenport, Iowa, assignors to Cherry-Burrell Corporation, Chicago, Ill. Combination cooler and freezer. 154,364, July 5.
- Boldt, Melvin H.: *See—* Burroughs, Louis R., and Boldt.
- Boldt, Melvin H., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Washing machine. 153,920, May 31.
- Boldt, Melvin H., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Washing machine cabinet. 153,921, May 31.
- Bolling, Carl: *See—* Magos, John P., and Bolling.
- Bolsey, Jacques, New York, N. Y. Photographic camera. 155,264, Sept. 20.
- Bombi Perfumer, Inc., assignee: *See—* Newman, Alfred.
- Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy train controller. 156,481, Dec. 20.
- Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Transformer for toy railroads. 156,482, Dec. 20.
- Bond, Willard H., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 154,021, June 7.
- Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 154,459, July 12.
- Bonfield, Joseph, assignor to Wayne Industries, Inc., Brooklyn, N. Y. Pyrophoric lighter, or similar article. 154,658, Aug. 2.
- Bonilla, Saturnino T., New York, N. Y. Eyecup. 153,847, May 24.
- Booker, Clarence W., San Diego, Calif. Smoking pipe. 152,319, Jan. 11.
- Booker, John W.: *See—* Gapstur, Joseph M., Ebert, and Booker.
- Boord, Clarence, Leon, Iowa. Toilet paper dispenser. 154,899, Aug. 23.
- Boord, Clarence, Leon, Iowa. Toilet paper dispenser. 154,900, Aug. 23.
- Boothby, Walter M., and A. H. Bulbulian, Rochester, Minn., and W. R. Lovelace, H. Albuquerque, N. Mex. Nasal mask. 156,596, Dec. 27.
- Borberg, Willy: *See—* Currie, John E., and Borberg.
- Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, Inc., East Walpole, Mass. Building siding panel. 153,109, Mar. 22.
- Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, Inc., East Walpole, Mass. Insulating siding corner unit. 153,579, May 3.
- Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, Inc., East Walpole, Mass. Insulating siding corner unit. 153,580, May 3.
- Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, Inc., East Walpole, Mass. Insulating siding corner unit. 153,581, May 3.
- Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, Inc., East Walpole, Mass. Insulating siding corner unit. 153,582, May 3.
- Borg-Warner Corporation, assignee: *See—* Keller, Leonard.

- Born, Samuel H., Bethlehem, Pa. Paper wrapper for a candy box. 154,586, July 26.
- Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,066, Sept. 6.
- Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,067, Sept. 6.
- Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,068, Sept. 6.
- Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,069, Sept. 6.
- Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,070, Sept. 6.
- Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,071, Sept. 6.
- Bossard, Gisbert L., Cleveland, Ohio. Chime signal. 153,415, Apr. 19.
- Bossard, Gisbert L., Cleveland, Ohio. Chime. 155,072, Sept. 6.
- Boston, John A., assignor to Thomson Machine Company, Belleville, N. J. Roll molding machine. 156,067, Nov. 22.
- Boston, Samuel C., Chicago, Ill. Ash tray. 156,597, Dec. 27.
- Boston Stove Foundry Company, assignee: *See—*
Covey, Larid F.
- Bottomo, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate. 156,598, Dec. 27.
- Boucher, Frank L.: *See—*
Siegel, Martin, Hosek, and Boucher.
- Boucher, Harry H.: *See—*
Phillips, Harvey M., and Boucher.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 154,095, June 14.
- Boucher, Marcel, New York, N. Y. Brooch or similar article. 154,096, June 14.
- Boucher, Marcel, New York, N. Y. Clip or similar article. 155,681, Oct. 25.
- Boucher, Marcel, New York, N. Y. Clip or similar article. 155,682, Oct. 25.
- Bouchetal, Lucien A. R., Lyons, France. Photographic camera. 154,985, Aug. 30.
- Boughman, Calvin H., New York, N. Y. Doll head. 153,761, May 17.
- Bowerfind, Golden S., Norfolk, Va. Flower holder. 155,330, Sept. 27.
- Bowlen, Nord, assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 153,664, May 10.
- Bowman Dairy Company, assignee: *See—*
Fuerst, Brooks D.
- Boyco, Inc., assignee: *See—*
Nelson, Adolph J.
- Boye & Emmes Machine Tool Company, The, assignee: *See—*
Laubach, Howard E., Johnson, and Kramer.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Hinge. 154,365, July 5.
- Boye, James H., Manufacturing Company, assignee: *See—*
Boye, James H.
- Boye Needle Company, The, assignee: *See—*
Flannery, Roy L.
- Boylan, Matthias J., Verona, N. J. Rosary. 153,494, Apr. 26.
- Boynton, Earl S., East Orange, N. J. Lamp. 155,123, Sept. 13.
- Boza, Daniel, Kenmore, assignor to Bell Aircraft Corporation, Town of Wheatfield, N. Y. Vehicle. 153,255, Apr. 5.
- Brabazon, Albert, Flushing, N. Y. Pastry roller. 156,068, Nov. 22.
- Bradbury, Clarence M., Brooklyn, N. Y. Finger ring. 153,110, Mar. 22.
- Bradford, Dob: *See—*
Greene, Clarence E., and Bradford.
- Bradley, Milton, Company, assignee: *See—*
Robbins, Robert L., Jr.
- Braga, Frank J., Hudson, Mass. Man's shoe or similar article. 153,256, Apr. 5.
- Braham, William E., Los Angeles, Calif. Toy water gun. 152,767, Feb. 22.
- Brand, Irving, Brooklyn, assignor to Calvin Corporation, Long Island City, N. Y. Juvenile play yard. 153,335, Apr. 12.
- Brande, Esther, Garden City, N. Y. Baby bunting. 152,586, Feb. 8.
- Brandenburger, Russell E., Sr., Shelbyville, assignor to Packard Manufacturing Corporation, Indianapolis, Ind. Phonograph cabinet. 152,670, Feb. 15.
- Brandes, Walter H., Toronto, Ontario, Canada. Illuminable sign for motor vehicles. 154,460, July 12.
- Branham, Theodore G., assignor to Standard Steel Works, North Kansas City, Mo. Tank truck. 153,848, May 24.
- Bratter, Henry D., Washington, D. C. Safety razor. 153,111, Mar. 22.
- Braun, Carl C., Riverside, Conn. Fluorescent lighting fixture. 153,663, May 10.
- Braun, Carl C., Riverside, Conn. Incandescent lighting fixture. 153,849, May 24.
- Braun, Gustav F., Elizabeth, and F. M. Porter, Montclair, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Listener's headset. 153,112, Mar. 22.
- Braun, Julius, assignor to W. Braun Co., Chicago, Ill. Bottle. 152,455, Jan. 25.
- Braun, Julius, Chicago, Ill. Bottle. 152,514, Feb. 1.
- Braun, Julius, Chicago, Ill. Bottle. 152,515, Feb. 1.
- Braun, Julius, Chicago, Ill. Bottle. 155,868, Nov. 8.
- Braun, W., Co., assignee: *See—*
Braun, Julius
- Braun, Walter, Los Angeles, Calif. Shoe or similar article. 153,258, Apr. 5.
- Braun, Walter, Los Angeles, Calif. Shoe or similar article. 153,259, Apr. 5.
- Braun, William, Rockville Centre, and M. Crystal, New York, N. Y. Jewelry case. 153,257, Apr. 5.
- Brazauski, William N., Chicago, Ill. Chair. 153,850, May 24.
- Brazelton, Charles M., Waco, Tex. Combination door lock and bottle opener. 156,315, Dec. 6.
- Brearily Company, The, assignee: *See—*
Aleks, Vytant.
- Breen, Frederick M., White Plains, N. Y. Bottle cap or similar article. 153,583, May 3.
- Breen, Frederick M., White Plains, N. Y. Combined lipstick holder and vanity case. 155,265, Sept. 20.
- Brekke, Oliver R., assignor to M & B Metal Products Company, Birmingham, Ala. Bottle carrier. 153,113, Mar. 22.
- Brennan, Thomas F., Valhalla, assignor to American Can Company, New York, N. Y. Waste paper basket. 155,967, Nov. 15.
- Brenner, Edward R., Hollywood, Calif. Nursery lamp. 152,390, Jan. 18.
- Brenner, Edward, Hollywood, Calif. Nursery lamp. 153,762, May 17.
- Brenner, Edward, Hollywood, Calif. Nursery lamp. 154,097, June 14.
- Bressler, Louis R., Southampton, assignor to Stanley Home Products, Inc., Westfield, Mass. Fabric. 155,968, Nov. 15.
- Bretney, Carl E., Toledo, Ohio. Measuring spoon. 154,022, June 7.
- Bretschneider, Curt, Philadelphia, Pa. Automobile. 155,266, Sept. 20.
- Brewer, John H., assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Ampoule sealing device. 153,584, May 3.
- Briceton, Casper A., Chicago, Ill. Combined accelerator pedal pad and heel rest. 155,383, Oct. 4.
- Bridges, Vascar N.: *See—*
Weaver, Walter E., and Bridges.
- Briggs, Allan L., assignor to Blackstone Corporation, Jamestown, N. Y. Portable ironing machine. 152,768, Feb. 22.
- Briggs, Eugene C., Dayton, Ohio, assignor, by mesne assignments, to Emarco Corporation, Chicago, Ill. Portable signal light or similar article. 152,671, Feb. 15.
- Briggs, Robert B., Newton, Mass. Airbrush. 156,069, Nov. 22.
- Brignola, Nicholas F., Troy, N. Y. Ear spatula. 153,922, May 31.
- Bristol, Charles W., North Attleboro, Mass., assignor, by mesne assignments, to Reibling-Lewis, Inc., Providence, R. I. Hand mirror frame or similar article. 156,316, Dec. 6.
- Bristol Steel & Iron Works, Inc., assignee: *See—*
Ferguson, Robert O.
- British-Makes, Inc., assignee: *See—*
Innes, James, Cohen, and Spatz.
- Britton, Arthur T., Mountain View, Calif. Portable washing machine unit. 156,196, Nov. 29.
- Broadhead, Reginald M., assignor to Lifeguard Products Limited, London, England. Glass bottle. 155,073, Sept. 6.
- Brockman, Carl L.: *See—*
Delcher, Howard C., Jr., and Brockman.
Ray, Calvin T., Brockman, and Butler.
- Brodsky, Samuel, Brooklyn, N. Y. Combined rack and pot holders or similar article. 155,574, Oct. 18.
- Brodton, Lynn, New York, N. Y. Taxicab. 153,851, May 24.
- Brodton, Lynn, New York, N. Y. Taxicab. 154,742, Aug. 9.
- Brodton, Lynn, New York, N. Y. Taxicab. 154,743, Aug. 9.
- Broeren, Frank L., Neenah, and A. S. Krueger, Green Bay, assignors to Marathon Corporation, Rothschild, Wis. Dispenser for a paper roll or the like. 152,391, Jan. 18.
- Bromberg, Jacob, New York, N. Y. Combined tailgait and tool kit. 156,317, Dec. 6.
- Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,236, June 28.
- Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,237, June 28.
- Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,238, June 28.

- Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,239, June 28.
- Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 155,869, Nov. 8.
- Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 155,870, Nov. 8.
- Brooks, Oakley, Columbus, Ohio. Hunting knife. 156,070, Nov. 22.
- Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Combined wallet and memorandum pad. 155,384, Oct. 4.
- Brounn, Morrison J., Flushing, and C. M. Andres, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Elevator landing button face plate. 155,871, Nov. 8.
- Broussard, Robert F., Houston, Tex., assignor to Duncan Meter Corporation, Chicago, Ill. Parking meter casing. 152,392, Jan. 18.
- Broussard, Robert F., and C. A. Toce, Houston, Tex., assignors to Duncan Parking Meter Corporation, Chicago, Ill. Traffic signal. 155,331, Sept. 27.
- Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 154,836, Aug. 16.
- Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 154,837, Aug. 16.
- Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 154,838, Aug. 16.
- Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 154,986, Aug. 30.
- Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 155,267, Sept. 20.
- Brown, Bertram M., Providence, R. I., assignor to Rosbro Plastics Corporation. Toy figure. 155,477, Oct. 11.
- Brown & Bigelow, assignee: *See*—
Fischer, Howard L.
Gordenier, Robert E.
Gruber, Francis E.
Wootter, Cecil B.
- Brown, Ellis M., assignor to John Oster Manufacturing Company, Racine, Wis. Electric hair clipper. 153,057, Mar. 15.
- Brown, George F., Cattaraugus, assignor to Plastic Engineering & Development Co., Salamanca, N. Y. Watch box. 156,197, Nov. 29.
- Brown, George B., Kansas City, Mo. Building. 156,599, Dec. 27.
- Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Indoor-outdoor thermometer. 153,260, Apr. 5.
- Brown, Irving E., Newark, N. J. Direction signal for vehicles. 156,318, Dec. 6.
- Brown, John C., Upper Montclair, N. J. Hook, hanger, or similar article. 156,600, Dec. 27.
- Brown, Paul H., Sr., Detroit, Mich. Laundry tongs. 153,923, May 31.
- Brown, Robert P., White Plains, N. Y. Ski sled. 154,366, July 5.
- Brown, Robert P., White Plains, N. Y. Ski. 154,367, July 5.
- Brown Sales & Engineering, Inc., assignee: *See*—
Brown, Ted C.
- Brown, Ted C., assignor to Brown Sales & Engineering, Inc., Rising Sun, Ind. Fan housing. 152,516, Feb. 1.
- Brown, Wilson W., assignor to D. S. Seibel and W. W. Brown, doing business as The Willing Company, Kansas City, Mo. Manicure case. 154,587, July 26.
- Browne, Martin, T. Helms, and G. Tungett, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Automobile radiator grille guard. 154,744, Aug. 9.
- Bruce, Orville O., Milwaukee, Wis. Hand propelled vehicle. 153,261, Apr. 5.
- Brun, Pierre, Paris, France, assignor to Guerlain Inc., New York, N. Y. Lipstick container or the like. 155,385, Oct. 4.
- Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Face plate for a dispensing machine. 152,587, Feb. 8.
- Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Dispensing machine. 152,588, Feb. 8.
- Bruneau, Albert J., Montreal, Quebec, Canada. Lighter. 153,416, Apr. 19.
- Bruneau, Albert J., assignor to Institution Catholique Des Souds-Muets Pour La Province De Quebec, Montreal, Quebec, Canada. Perfume atomizer. 155,683, Oct. 25.
- Bruns, Frederick C., Forest Hills, N. Y. Watch. 156,071, Nov. 22.
- Brunswick-Balke-Collender Company, The, assignee: *See*—
Deskey, Donald.
McConnell, Allan.
Morse, Richard K.
Sundell, Carl A.
- Brush Development Company, The, assignee: *See*—
Eases, Joseph J.
Hitchcock, Richard E.
- Brzeski, John, Chicago, Ill. Pack of game cards. 155,268, Sept. 20.
- Buchholtz, Fred: *See*—
Buchholtz, George O. and F.
- Buchholtz, George O. and F., Guttenberg, N. J. Tool grinding machine. 155,969, Nov. 15.
- Buck, William H.: *See*—
Musselman, Henry E., and Buck.
- Buckeye Aluminum Company, The, assignee: *See*—
Porter, Kirk E.
- Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Decanter or similar article. 152,393, Jan. 18.
- Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Sofa. 154,023, June 7.
- Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Commode. 154,659, Aug. 2.
- Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Sofa. 154,745, Aug. 9.
- Bucyrus-Erie Company, assignee: *See*—
Mork, George W.
- Budlong, Vernon E., Brainerd, Minn. Compass dial. 155,575, Oct. 18.
- Buehrig, Gordon M., South Bend, Ind., assignor to The Tasco Corporation, Hartford, Conn. Automobile. 152,320, Jan. 11.
- Bu Gay, John A., assignor to Quality Molding Co., Chicago, Ill. Trellis wall bracket for flower pot. 156,405, Dec. 13.
- Bu Gay, John A., assignor to Quality Molding Co., Chicago, Ill. Trellis wall bracket for flower pot. 156,406, Dec. 13.
- Bugg, Kenly C., Fort Wayne, Ind. Stitch and seam opening device. 155,386, Oct. 4.
- Bulbulian, Arthur H.: *See*—
Boothby, Walter M., Bulbulian, and Lovelace.
- Bull Dog Electric Products Company, assignee: *See*—
Robertson, William.
- Bulova Watch Company, Inc., assignee: *See*—
Fachon, Emil E.
- Bunting Glider Company, assignee: *See*—
Goldberg, Aaron S.
- Burch, Julius G., Borger, Tex. Golf tee marker. 155,576, Oct. 18.
- Burell, Arnold, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,478, Oct. 11.
- Burgert, Robert H.: *See*—
Austin, Warner, and Burgert.
- Burgess Battery Company, assignee: *See*—
Schofield, Earl L.
- Burke, Irving, assignee: *See*—
Howard, Earl.
- Burke, William H., Alameda, Calif. Combined automobile hood, radiator, and head lamps. 156,198, Nov. 29.
- Burke, William O., assignor to National Lock Company, Rockford, Ill. Cabinet latch. 155,332, Sept. 27.
- Burns, Warren R., Newton, assignor to The Carter's Ink Company, Cambridge, Mass. Ink reservoir desk stand. 155,775, Nov. 1.
- Burns, Wilfred H., Melrose, Mass., assignor of one-half to I. H. Gile, Salem, N. H. Vehicle number plate ornament. 155,776, Nov. 1.
- Burri, William F., Portland, Oreg. Nozzle attachment for vacuum cleaners. 152,589, Feb. 8.
- Burris, James A., Reynoldsburg, Ohio. Airplane. 155,387, Oct. 4.
- Burroughs, Clarence M., Glendale, Calif. Ice water pitcher. 155,269, Sept. 20.
- Burroughs, Louis R., South Bend, Ind., and M. H. Boldt, Glenview, Ill., assignors to Wilcox-Gay Corporation, Charlotte, Mich. Microphone. 155,270, Sept. 20.
- Burstein, Robert I., administrator: *See*—
Libby, Jules L.
- Burt, Lela, Des Moines, Iowa, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Wis. Overshoe. 154,461, July 12.
- Burton, William, Chicago, Ill., and D. W. Liebes, San Francisco, Calif. Wallpaper or the like. 153,666, May 10.
- Bushnell, Aileen, assignor to Independent Pneumatic Tool Company, Aurora, Ill. Impact wrench unit. 156,319, Dec. 6.
- Bushnell, Aileen, assignor to Independent Pneumatic Tool Company, Aurora, Ill. Impact wrench unit. 156,320, Dec. 6.
- Bushway, George H., North Hampton, N. H. Combined cooking and display case. 155,577, Oct. 18.
- Bussey, Jeff D., Atlanta, Ga. Combined candelabrum and flower holder. 154,901, Aug. 23.
- Bustany, Seid J., Detroit, Mich. Font of Arabic type. 154,746, Aug. 9.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 152,939, Mar. 8.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 152,940, Mar. 8.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 152,941, Mar. 8.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 152,942, Mar. 8.
- Bustin, Leopold, Mamaroneck, N. Y. Emblem holder for automobile radiator guard. 153,667, May 10.
- Bustin, Leopold, Mamaroneck, N. Y. Automobile radiator guard. 154,747, Aug. 9.
- Butler, Arvilla K., assignee: *See*—
Potts, Clifford.
- Butler Brothers, assignee: *See*—
Amstutz, Walter R.

- Butler, Charles W.: *See—*
Ray, Calvin T., Brockman, and Butler.
- Butler, Charles W., Leonia, N. J., assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,777, Nov. 1.
- Butler, John B., Somerville, Mass. Casket carrier. 153,205, Mar. 29.
- Butler, Louis A., assignee: *See—*
Potts, Clifford.
- Buxbaum, Mac, and M. Lebensfeld, Flushing, N. Y. Console bar with aquarium. 152,456, Jan. 25.
- Buxton, Incorporated, assignee: *See—*
Broughton, Douglas J.
- Cabana, Napoleon S., assignor to Bay State Optical Company, Attleboro, Mass. Nonmetallic temple for spectacles or similar article. 155,479, Oct. 11.
- Cadwallader, Robert, Detroit, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Automobile seat. 156,199, Nov. 29.
- Cahn, Bernard, Co., Inc., assignee: *See—*
Chase, Herbert.
- Calcagno, Angelo M., Brooklyn, N. Y. Combination cigarette holder, ash tray, and lighter. 156,601, Dec. 27.
- Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Combination soap dish and cleanser pad holder. 154,902, Aug. 23.
- Caldwell, James R., assignor to The Wooster Rubber Company, Wooster, Ohio. Reversible soap dish. 154,903, Aug. 23.
- Caliri, Joseph L., Orange, N. J. Soldering gun. 153,495, Apr. 26.
- Caliri, Joseph L., Orange, N. J. Soldering gun. 153,496, Apr. 26.
- Callahan, Faith E., Balboa Island, Calif. Pincushion. 156,602, Dec. 27.
- Calvin Corporation, assignee: *See—*
Brand, Irving.
- Cambridge Rubber Company, The, assignee: *See—*
Bingham, George H., Jr.
- Casey Handbag Co., Inc., assignee: *See—*
Walitsky, Abraham.
- Campfield Manufacturing Company, assignee: *See—*
Olson, Henry L., and Miller.
- Campana Sales Company, assignee: *See—*
Crull, Irving W.
- Campbell, Donald, Medford, Oreg. Lapel button or the like. 156,072, Nov. 22.
- Campbell, Donald, Medford, Oreg. Lapel pin or the like. 156,073, Nov. 22.
- Campbell, Laurie J.: *See—*
Lohr, Raymond J., and Campbell.
- Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Desk writing unit. 153,763, May 17.
- Campbell, Phillip, Whittier, and E. G. Fox, Sr., Long Beach, Calif. Carnival weight-lifting amusement device or the like. 152,590, Feb. 8.
- Campus Jewelry Products, Inc., assignee: *See—*
Lowe, George K.
- Canal National Bank of Portland, The, trustee, assignee: *See—*
Shepard, Ernest L.
- Candlin, James E., Jr.: *See—*
Murphy, Frank L., and Candlin.
- Canner, Herman M., Detroit, Mich. Tie rack. 152,591, Feb. 8.
- Cantwell, John R., Omaha, Nebr. Game board. 152,863, Mar. 1.
- Caparone, Michael J., Monterey Park, assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Thermostatic control gas valve unit or similar article. 152,769, Feb. 22.
- Capellazzi, Gildo, Brooklyn, N. Y. Brooch or similar article. 153,497, Apr. 26.
- Capellazzi, Gildo, Brooklyn, N. Y. Brooch or similar article. 153,498, Apr. 26.
- Capellazzi, Gildo, Brooklyn, N. Y. Brooch or similar article. 153,499, Apr. 26.
- Carey, Hugh M., Glendale, Calif. Decorative display lamp or the like. 152,592, Feb. 8.
- Carlson, Artie C., Detroit, assignor to Wickes Brothers, Saginaw, Mich. Injection molding machine. 153,852, May 24.
- Carlson, David N., and A. E. Huskins, Burbank, Calif. Knife sharpener or the like. 153,114, Mar. 22.
- Carlson, Ernest G. D., Savannah, N. Y. Toy chain. 152,864, Mar. 1.
- Car-Mac Mfg. Co. Inc., assignee: *See—*
Quisenberry, C. E.
- Carnoy Products Corporation, assignee: *See—*
Seaberg, Ernest E.
- Carpenter, Albert B.: *See—*
Nemeth, Frank.
- Carpenter, Earl E., and E. Plucar, Superior, Wis. Child's sleeping garment. 153,262, Apr. 5.
- Carr, James R., San Carlos, Calif. Rainboot. 155,778, Nov. 1.
- Carr-Lowrey Glass Co., assignee: *See—*
Funkey, John H.
- Carr, Wayne H., Kalamazoo, Mich. Fish lure. 154,098, June 14.
- Carrier Corporation, assignee: *See—*
Guld, Lurelle, and Landell.
- Carrington, Ille S., Burbank, Calif. Portable refrigerator. 156,483, Dec. 20.
- Carroll, Fred W., Cleveland Heights, Ohio. Game board. 153,206, Mar. 29.
- Carroll, Noble, Barryton, Mich. Rustic Venetian blind. 154,987, Aug. 30.
- Carstens, Milton S., Glencoe, Ill. Lighting fixture. 155,779, Nov. 1.
- Carter, Elmer D., assignee: *See—*
Walters, Roger L.
- Carter, Loy C., Radford, Va. Electric iron. 153,336, Apr. 12.
- Carter, Warren, Los Angeles, Calif., assignor to S & G Gump Company. Perfume bottle or analogous article. 154,988, Aug. 30.
- Carter's Ink Company, The, assignee: *See—*
Burns, Warren R.
- Cartier, Inc., assignee: *See—*
Daudier, Maurice.
Muller, Gerard.
- Carver, Alva R., Lakeland, Fla. Combination desk unit. 155,124, Sept. 13.
- Casco Products Corporation, assignee: *See—*
Mozneck, Ulysses S.
- Case, Burgess C., assignee: *See—*
Copeland, Peter.
- Caskey, Gordon H., assignor of 1/100 to L. Martin, 1/100 to W. T. Weaver, 4/100 to T. S. Hudzika, 1/100 to V. Miller, 1/100 to W. Griffin, Seattle, and 1/100 to O. Leever, Vancouver, Wash. Combined bracelet and container for cosmetics and coins. 154,531, July 19.
- Cassara, Vincent, New York, N. Y. Table lamp. 154,099, June 14.
- Castell, Junior K., Peru, Ind., assignor to Noma Electric Corporation, New York, N. Y. Bubbling candle lamp. 152,593, Feb. 8.
- Castelli, Charles, Union City, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Goggle case or similar article. 155,480, Oct. 11.
- Castelli, F. C., Company, assignee: *See—*
Castelli, Frank C.
- Castelli, Frank C., Carrol Park, assignor to F. C. Castelli Company, Philadelphia. Table. 155,125, Sept. 13.
- Castorani, Francesco P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,100, June 14.
- Cather, Wayne C.: *See—*
Elleman, Tom and C.
- Caudill, Ernest C., Kansas City, Kans. Pedal control device. 152,594, Feb. 8.
- Cavanagh, John F., Providence, R. I. Baking unit. 152,321, Jan. 11.
- Cederblad, Harold, San Francisco, Calif. Safety fish gaff. 152,595, Feb. 8.
- Central Commercial Company, assignee: *See—*
Ernst, Wilfred C.
- Certain-Teed Products Corporation, assignee: *See—*
Romanelli, Louis.
- Ceverha, John J., Chicago, Ill. Stomach exerciser or similar article. 152,394, Jan. 18.
- Chaffee, H. H., assignee: *See—*
Scheip, James R.
- Chain Belt Company, assignee: *See—*
Fleischmann, George A.
- Chalfin, Irving, Paterson, N. J., and I. A. Fischer, assignors to Plastic Appliances Mfg. Corp., New York, N. Y. Combined toilet seat and cover. 154,904, Aug. 23.
- Chalk, Benjamin, New York, N. Y. Coat. 153,263, Apr. 5.
- Chamberlain, Inc., assignee: *See—*
Lilja, Ernest L.
- Chambers, R. E., Company, Inc., assignee: *See—*
Mitchell, John E.
- Champion Spark Plug Company, assignee: *See—*
Paton, Roy W.
- Chaney, Robert L., Silver Spring, Md., and E. J. Taggart, Washington, D. C. Combined ash tray and game. 154,660, Aug. 2.
- Chapin, Edward, Buffalo, N. Y. Vehicle trailer. 152,322, Jan. 11.
- Chapin, Paul D., Hayward, Calif. Toy gun. 153,500, Apr. 26.
- Chaplain, Urleene, Ridding Ridge, Conn. Dress ensemble. 156,074, Nov. 22.
- Chapman, Dave, assignor to Club Aluminum Products Co., Chicago, Ill. Double boiler. 153,501, Apr. 26.
- Chapman, David, Chicago, Ill., assignor to Hanksraft Company, Madison, Wis. Vaporizer. 152,866, Mar. 1.
- Chapman, David, Chicago, Ill., and A. J. Wiltshire, Euclid, assignors to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Washing machine casing. 152,865, Mar. 1.
- Chapman, Harold P., Columbus, Ohio. Electric heater for dental impressions or the like. 152,323, Jan. 11.
- Charles of the Ritz, Inc., assignee: *See—*
Franklin, Ethel.
- Chase, Gordon A., Boston, Mass., assignor to United States Envelope Company. Air-mail envelope. 155,872, Nov. 8.
- Chase, Herbert, assignor to Bernard Cahn Co. Inc., New York, N. Y. Combination wallet and cigarette case. 155,074, Sept. 6.
- Chase, Herbert, assignor to Bernard Cahn Co. Inc., New York, N. Y. Combined billfold, purse and card case. 156,407, Dec. 13.

- Chatillon, John, & Sons, assignee: *See*—
Concklin, George W.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,200, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,201, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,202, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,203, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,204, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,205, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,206, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,207, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,208, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,209, Nov. 29.
- Chavalas, William, assignor to Fox West Coast Theatres
Corporation, Los Angeles, Calif. Interior wall panel.
156,210, Nov. 29.
- Chedister, Conkling, Livingston, N. J., assignor to Eugene,
Ltd., Brooklyn, N. Y. Permanent waving machine.
154,748, Aug. 9.
- Chedister, Conkling, Livingston, N. J., assignor to Infra-
Appliances Corporation, New York, N. Y. Heat lamp.
154,905, Aug. 23.
- Cherneff, Leonard D., Seattle, Wash. Combined lamp
stand and ash tray. 154,906, Aug. 23.
- Chernow, Michael, New York, N. Y. Jewelry finding.
152,240, Jan. 4.
- Chernow, Michael, New York, N. Y. Alphabet for form-
ing monograms or the like. 152,395, Jan. 18.
- Chernow, Michael, New York, N. Y. Earring or similar
article. 152,457, Jan. 25.
- Chernow, Michael, New York, N. Y. Earring or similar
article. 152,517, Feb. 1.
- Chernow, Michael, New York, N. Y. Jewelry pendant or
similar article. 152,672, Feb. 15.
- Chernow, Michael, New York, N. Y. Link chain for a
bracelet or similar article. 152,867, Mar. 1.
- Chernow, Michael, New York, N. Y. Link chain for a
bracelet or similar article. 152,868, Mar. 1.
- Chernow, Michael, New York, N. Y. Link chain for a
bracelet or similar article. 152,869, Mar. 1.
- Chernow, Michael, New York, N. Y. Jewelry pendant or
similar article. 153,058, Mar. 15.
- Chernow, Michael, New York, N. Y. Link chain for a
bracelet or the like. 153,207, Mar. 29.
- Chernow, Michael, New York, N. Y. Chain for a bracelet
or similar article. 153,764, May 17.
- Chernow, Michael, New York, N. Y. Link chain for a
bracelet or similar article. 154,240, June 28.
- Chernow, Michael, New York, N. Y. Bracelet or similar
article. 155,126, Sept. 13.
- Chernow, Michael, New York, N. Y. Chain for a bracelet
or similar article. 155,873, Nov. 8.
- Chernow, Michael, New York, N. Y. Bracelet or similar
article. 156,484, Dec. 20.
- Chernow, Michael, New York, N. Y. Link chain for a
bracelet or similar article. 156,603, Dec. 27.
- Cherry-Burrell Corporation, assignee: *See*—
Boileau, Arthur H., Rayman, and Miller.
Newhall, Benjamin G.
- Chesapeake and Ohio Railway Company, The, assignee:
See—
Malcolm, James A.
- Chicago Electric Manufacturing Company, assignee: *See*—
Hase, Lawrence H.
Stiles, Harry L.
- Chicago Streamlite Corporation, assignee: *See*—
Ham, Donald F.
- Chifari, Andrew, New York, N. Y. Watchcase top.
155,578, Oct. 18.
- Chifari, Andrew, New York, N. Y. Watchcase top.
155,579, Oct. 18.
- Child's, Ken, Inc., assignee: *See*—
Child's, Kenneth L.
- Childs, Kenneth L., assignor to Ken Childs, Inc., New
Haven, Conn. Cigarette ash tray unit. 153,115, Mar.
22.
- China & Glass Distributors, Inc., assignee: *See*—
Ziesel, Eva S.
- Chipman, Richmond L., Jr., Montclair, N. J. Watch box
or similar article. 152,324, Jan. 11.
- Chipman, Richmond L., Jr., Montclair, N. J., assignor of
twenty-five per cent to M. Schaffer, twenty-five per cent
to H. Schaffer, New York, N. Y., twenty-five per cent to
A. Schuander, and twenty-five per cent to R. Schuander,
East Orange, N. J. Ring box or similar article. 154,839,
Aug. 16.
- Chipman, Richmond L., Jr., Montclair, N. J., assignor of
twenty-five per cent to M. Schaffer, twenty-five per cent
to H. Schaffer, New York, N. Y., twenty-five per cent to
A. Schuander and twenty-five per cent to R. Schuander,
East Orange, N. J. Wristwatch case or similar article.
155,780, Nov. 1.
- Chipman, Richmond L., Jr., Montclair, N. J., assignor of
twenty-five per cent to M. Schaffer, twenty-five per cent
to H. Schaffer, New York, N. Y., twenty-five per cent to
A. Schuander and twenty-five per cent to R. Schuander,
East Orange, N. J. Watch box or similar article.
155,874, Nov. 8.
- Chirite, John D., Detroit, Mich. Combined cigarette and
cigar holder, ash tray, and loud speaker. 153,502, Apr.
26.
- Christopher, George T., assignor to Packard Motor Car
Company, Detroit, Mich. Automobile or similar article.
156,211, Nov. 29.
- Chroninger, Andrew J., Jackson, Mich. Child's wagon
with dump body. 153,765, May 17.
- Chudnoff, Aaron, New York, N. Y. Umbrella. 153,264,
Apr. 5.
- Cissell, William M., St. Mathews, near Louisville, Ky.
Water spray gun. 152,325, Jan. 11.
- Cissell, William M., St. Mathews, near Louisville, Ky.
Water spray gun. 152,326, Jan. 11.
- Cizek, Arthur, Denver, assignor to Red Comet Incorpo-
rated, Littleton, Colo. Receptacle for fire extinguish-
ing grenades. 153,853, May 24.
- Cizek, Arthur, Denver, assignor to Red Comet Incorpo-
rated, Littleton, Ohio. Combined fire extinguishing
grenade and holder. 153,854, May 24.
- Clar, Elizabeth, Los Angeles, Calif. Figurine. 155,388,
Oct. 4.
- Clark, Charles H., Mill Valley, assignor, by decree of court
and assignments, of one-half to J. D. Clark and one-half
to P. F. Schumacher, San Francisco, Calif. Cruise board.
152,673, Feb. 15.
- Clark & Coombs Company, assignee: *See*—
Hoeckele, Anton.
- Clark, Edwin F., Meriden, Conn. Portable drainboard.
154,907, Aug. 23.
- Clark, Frank H., New Castle, Del. Game board. 154,661,
Aug. 2.
- Clark, Jesse H., and H. Richards, assignors to Cory Corpo-
ration, Chicago, Ill. Decanter. 154,196, June 21.
- Clark, John T.: *See*—
Johnson, Carroll W., and Clark.
- Clark, Joseph C., assignor to Jency Corporation, Mer-
chantville, N. J. Electric cigarette lighter or the like.
153,337, Apr. 12.
- Clark, Joseph C., assignor to Jency Corporation, Mer-
chantville, N. J. Flashlight or the like. 154,532, July
19.
- Clark, Julia D., assignee: *See*—
Clark, Charles H.
- Clark, Lester P., Milltown, N. J. Plastic clothespin.
154,989, Aug. 30.
- Clark Sanding Machine Company, assignee: *See*—
Petersen, William L.
- Clarke Sanding Machine Company, assignee: *See*—
Atkin, Kenneth C.
- Clasen, Arthur C., Kansas City, Kans., H. J. Millgard,
Spokane, and T. A. Phelps, Seattle, Wash. Fishing
lure. 155,481, Oct. 11.
- Claspy, Hugh J., assignor to The Phoenix Glass Company,
Monaca, Pa. Lighting globe. 153,855, May 24.
- Claspy, Hugh J., assignor to The Phoenix Glass Com-
pany, Monaca, Pa. Lighting bowl. 153,856, May 24.
- Classic Weaving Corporation, assignee: *See*—
Mitschke, Walter.
- Clemens, Ruth M., Hollywood, Calif. Doll. 153,503, Apr.
26.
- Clement, Joseph J., Williamsville, and H. C. Kline, Jr.,
Buffalo, N. Y., assignors to The Rudolph Wurlitzer
Company, Chicago, Ill. Remote control selector cabinet
for phonographs. 153,116, Mar. 22.
- Clement, Theodore G.: *See*—
Schubert, Alvin E., Clement, and Egan.
- Clement, Theodore G., Rochester, assignor to International
Business Machines Corporation, New York, N. Y. Type-
writer. 155,781, Nov. 1.
- Cleveland Welding Company, The, assignee: *See*—
Stevens, Clifford B.
- Clickner, Earle D., assignor to Shakespeare Company,
Kalamazoo, Mich. Fishing reel. 153,417, Apr. 19.
- Clime, Albert H., assignee: *See*—
MacLean, Malcolm A.
- Club Aluminum Products Co., assignee: *See*—
Chapman, Dave.
- Cluett, Peabody & Co., Inc., assignee: *See*—
Dimling, Edwin C.
- Cochran, Jacqueline, assignee: *See*—
Von Miklos, Josephine.
- Codish, George, New York, N. Y. Child's sandal or sim-
ilar article. 156,604, Dec. 27.
- Coen, Aaron, Newark, N. J. Sunglasses. 155,580, Oct. 18.

- Coel, Leo, assignor to Holland-Rantos Company, Inc., New York, N. Y. Fitting ring container. 156,321, Dec. 6.
- Coffey, Francis T., Sr., Los Angeles, Calif. Film viewer. 154,840, Aug. 16.
- Coffman, Joe W., and F. O. Trump, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Combined printing and developing machine. 152,518, Feb. 1.
- Cohen, Emanuel: *See*—
Cohen, Gertrude S. and E.
- Cohen, Gertrude S. and E., Newark, N. J. Ring. 152,396, Jan. 18.
- Cohen, Jacob, Forest Hills Township, Nassau County, N. Y., assignor to Laurel Intimates, Inc. Carton. 155,389, Oct. 4.
- Cohen, Lipman: *See*—
Innes, James, Cohen, and Spatz.
- Cohen, Meyer, Forest Hills, N. Y. Pin type flower stem holder or the like. 155,970, Nov. 15.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 152,770, Feb. 22.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 153,117, Mar. 22.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 153,118, Mar. 22.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 153,119, Mar. 22.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 153,120, Mar. 22.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 153,121, Mar. 22.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,581, Oct. 18.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,582, Oct. 18.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,583, Oct. 18.
- Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,584, Oct. 18.
- Cohn, Alfred, Milwaukee, Wis. Cap. 156,408, Dec. 13.
- Cohn, Julius, New York, N. Y. Brassière. 156,485, Dec. 20.
- Colcaire, Oscar, assignee: *See*—
Robbiati, Giordano.
- Cole Hot Blast Mfg. Co., assignee: *See*—
Wedderspoon, Arthur F.
- Coleman, John D., assignee: *See*—
Taylor, Alfred E., and Colman.
- Collard, Walter J., and G. W. De Loof, Detroit, Mich. Paper dispenser. 155,271, Sept. 20.
- Collier, Winthrop F., assignor to Elsecro, Inc., Elkhorn, Wis. Portable vacuum pump. 156,075, Nov. 22.
- Collins, Edward J., Brentwood, Los Angeles, Calif., assignor to R. T. Moloney, Chicago, Ill. Amusement machine cabinet. 152,241, Jan. 4.
- Collins, James M., San Fernando, Calif. Vessel holder. 154,588, July 26.
- Collins, Jasper W. and W. G. Wichita Falls, Tex. Serving tray attachment. 156,486, Dec. 20.
- Collins, Robert J.: *See*—
Hough, Leonard G., and Collins.
- Collins, William G.: *See*—
Collins, Jasper W. and W. G.
- Collins, William T., Lillington, N. C. Comb holder. 156,212, Nov. 29.
- Collison, Edward E., St. Lucie, Fla. Portable hair drier. 155,482, Oct. 11.
- Collura, Francesco: *See*—
Polivka, John N., and Collura.
- Collura, Francesco, New York, N. Y., and J. N. Polivka, Minneapolis, Minn., assignors to General Mills, Inc. Pressure cooker. 154,749, Aug. 9.
- Colonial Motors, Inc., assignee: *See*—
Horton, John F., Jr., and Lee.
- Colotrym Company, The, assignee: *See*—
Hobbs, Frank.
- Colt-Cromwell Company, Inc., assignee: *See*—
Taccia, Fred B.
- Colton, Harry, New York, N. Y. Camisole or similar article. 153,122, Mar. 22.
- Colt's Manufacturing Company, assignee: *See*—
Conner, Benjamin F.
- Columbia Protoktosite Co., Inc., assignee: *See*—
Baldanza, Nicholas T.
- Castelli, Charles.
- Lux, Eugene J.
- Columbia Protoktosite Company, Inc., assignee: *See*—
Lux, Eugene J.
- Columbus McKinnon Chain Corporation, assignee: *See*—
Parker, Humphrey F.
- Colvin Corporation, assignee: *See*—
Colvin, William P.
- Colvin, William P., New Rochelle, N. Y. Abacus-like toy. 155,127, Sept. 13.
- Colvin, William P., New Rochelle, assignor to Colvin Corporation, Long Island City, N. Y. Pull toy. 155,483, Oct. 11.
- Comeau, John E., and H. C. Mitchell, Kansas City, Mo. Stand for coffee maker. 153,857, May 24.
- Comerford, James J., Brooklyn, N. Y. Combination tool. 155,390, Oct. 4.
- Comiskey, Anthony T., Sr.: *See*—
Comiskey, Joseph W., and A. T., Sr.
- Comiskey, Anthony T., Sr., and C. A. Comiskey, Chicago, Ill. Luggage carrier for motorcycles. 155,391, Oct. 4.
- Comiskey, Charles A.: *See*—
Comiskey, Anthony T., Sr. and C. A.
- Comiskey, Charles A., Chicago, Ill. Cycle fender guard. 153,504, Apr. 26.
- Comiskey, Joseph W. and Anthony T., Sr., Chicago, Ill. Motorcycle spotlight mounting bracket. 155,484, Oct. 11.
- Commissioner of Welfare of the City of New York: *See*—
Warner, George B.
- Conarton, George T., Lansing, Mich. File holder. 152,943, Mar. 8.
- Conaway, Charles W., Ozone Park, N. Y. Shoe. 153,059, Mar. 15.
- Conaway, Charles W., Ozone Park, N. Y. Shoe. 153,060, Mar. 15.
- Concepcion, Alberto A., Detroit, Mich. Holder for globular objects. 154,462, July 12.
- Concklin, George W., Suffern, assignor to John Chatillon & Sons, New York, N. Y. Shopping cart or similar article. 155,971, Nov. 15.
- Condon, William J., assignor to Video Lighter Corporation, Chicago, Ill. Pyrophoric lighter. 156,213, Nov. 29.
- Condon, William J., Chicago, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 156,605, Dec. 27.
- Congoleum-Nairn Inc., assignee: *See*—
Ferris, William J.
- Conner, Arthur C., Salt Lake City, Utah. Signal light. 153,418, Apr. 19.
- Conner, Arthur C., Salt Lake City, Utah. Combined signal light and ash receiver. 153,766, May 17.
- Conner, Benjamin F., West Hartford, Conn., assignor to Colt's Manufacturing Company. Box. 155,585, Oct. 18.
- Connolly, William N., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Container cap. 152,327, Jan. 11.
- Conrad, Harry E., assignor of one-fourth to L. F. Green and A. L. Alsen, Los Angeles, Calif. Dual parking meter. 156,606, Dec. 27.
- Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 154,024, June 7.
- Consolidated Cosmetics, assignee: *See*—
Wright, John H.
- Consolidated Molded Products Corporation, assignee: *See*—
Jones, William T.
- Constantine, Gus L., Birmingham, Ala. Building. 154,990, Aug. 30.
- Conti Products Corporation, assignee: *See*—
Nunes, Leo G.
- Continental Motors Corporation, assignee: *See*—
Altman, Peter.
- Continental Optical Company, Inc., assignee: *See*—
Lauber, John A.
- Continental Trailer Company, assignee: *See*—
Painter, David L.
- Conway, John W., Bridgeport, Conn. Clothesline pulley assembly. 155,485, Oct. 11.
- Cook, Chester L., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,486, Oct. 11.
- Cook, Chester L., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,487, Oct. 11.
- Cook, Gladys E., assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 156,214, Nov. 29.
- Coon, James A., Ossining, N. Y. Book match holder and dispenser or similar article. 152,944, Mar. 8.
- Cooper, Harold G., assignor to Union Oil Company of California, Los Angeles, Calif. Canned goods display rack or similar article. 156,607, Dec. 27.
- Cooper, Louis B., Jr., Glendale, Calif. Combined saucer and ash tray. 154,368, July 5.
- Copeland, Peter, New York, N. Y., assignor, by mesne assignments, to B. C. Case, Plainfield, N. J. Vending machine cabinet. 154,662, Aug. 2.
- Copeland, Peter, New York, N. Y., assignor to Ben Wolfman, Inc., Houston, Tex. Building. 156,215, Nov. 29.
- Corbett, Thomas H., Chicago, Ill. Glass washer. 156,216, Nov. 29.
- Corbi, Alfred, Pawtucket, R. I., assignor to Acco Mfg. Co., Inc. Bracelet or similar article. 153,924, May 31.
- Cornell, Gertrude: *See*—
Marossi, Maurice, and Cornell.
- Coro, Inc., assignee: *See*—
Katz, Adolph.
- Corrigan, John J., Elmhurst, assignor to David E. Kennedy, Inc., Brooklyn, N. Y. Merchandising display and storage cabinet. 153,208, Mar. 29.
- Cory Corporation, assignee: *See*—
Blakeslee, Herbert G.
- Clark, Jesse H., and Richards.
- Jones, Charles E., and Crowle.
- Cosby, Eric L. H., Jr., London, England. Display stand for toilet brushes or similar article. 154,908, Aug. 23.
- Cosmet Co., assignee: *See*—
Myers, Leslie W., and Waldo.
- Cosner, Norman D., assignor to Meyers Aircraft Company, Tecumseh, Mich. Top for vehicle body. 153,858, May 24.
- Costa, William, San Diego, Calif. Marine vessel. 152,674, Feb. 15.

- Cotter, John, Chicago, Ill., assignor to Speed-Meal Corporation, Racine, Wis. Pressure cooker. 154,750, Aug. 9.
- Count-Rite Industries, Inc., assignee: *See*—
Nelson, Robert D.
- Cournand, E. L., and Company, assignee: *See*—
Dougherty, John S.
- Courshon, Gilbert, Chicago, Ill., assignor to Tropical Trading Company, Incorporated. Peanut vending machine. 156,409, Dec. 13.
- Couzens, Joseph J., assignor to Sears, Roebuck and Co., Chicago, Ill. End cap for fishing reel. 153,265, Apr. 5.
- Covey, Laird F., Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass. Cooking range. 152,596, Feb. 8.
- Covey, Laird F., Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass. Cooking range handle unit. 152,597, Feb. 8.
- Cowdroy, Thorp C., Balgowlah, near Sydney, New South Wales, Australia. Extruded metal showcase fitting. 154,101, June 14.
- Cowdroy, Thorp C., Balgowlah, near Sydney, New South Wales, Australia. Extruded metal twin ball race member. 154,463, July 12.
- Cox, Duncan W.: *See*—
Cox, William M. and D. W.
- Cox, Kent, Far Hills, Ohio. Clothspin. 154,991, Aug. 30.
- Cox, William M., Woodside, and D. W. Cox, Hillside Heights, N. Y. Toaster casing. 155,128, Sept. 13.
- Craftsmen's Guild, assignee: *See*—
Fuller, Richard P.
- Craighead, Clara M., San Francisco, Calif. Vanity tray for bathtub use. 153,668, May 10.
- Crain, Darrell C., Washington, D. C. Badge. 154,992, Aug. 30.
- Crain, Owen R.: *See*—
Crane, Walton B., and Crain.
- Crall, James W.: *See*—
Higgs, Melvin, and Crall.
- Cramer, Charles, assignor to The Cramer Chemical Company, Gardner, Kans. Rewinding device for bandage material. 154,241, June 28.
- Cramer Chemical Company, The, assignee: *See*—
Cramer, Charles.
- Cramer, Maurice D., Chicago, Ill. Blanket or similar fabric article. 152,519, Feb. 1.
- Crandall, Edith M., Pasadena, Calif. Ash tray or similar article. 154,369, July 5.
- Crane Co., assignee: *See*—
Magos, John P., and Bolling.
- Crane, Samuel, Brooklyn, and S. D. Kent, New York, N. Y. Bicycle seat cover. 156,322, Dec. 6.
- Crane, Walton B., Beverly Hills, assignor to Max Factor & Co., Hollywood, Calif. Cosmetic holder. 153,859, May 24.
- Crane, Walton B., Beverly Hills, and M. Treiman, assignors to Allied Plastics Company, Los Angeles, Calif. Garment hanger. 154,242, June 28.
- Crane, Walton B., Beverly Hills, and O. R. Crain, San Gabriel, assignors to Allied Plastics Company, Los Angeles, Calif. Combination holder. 154,909, Aug. 23.
- Cravaritis, Andrew, Roslyn, N. Y. Cocktail shaker. 152,675, Feb. 15.
- Craven, Inez, Chicago, Ill. Candy box. 155,972, Nov. 15.
- Crawford, Clarence E., Flint, Mich., assignor of one-half to C. C. D. French. Combined surface level and advertising device. 155,684, Oct. 25.
- Crawford, Howart H., Las Vegas, Nev. Grinder. 154,243, June 28.
- Crockett, John W., Buffalo, N. Y. Purse light. 155,488, Oct. 11.
- Cronen, Peter J., Minneapolis, Minn. Wall bracket or the like. 152,598, Feb. 8.
- Cronen, Peter J., Minneapolis, Minn. Wall bracket or the like. 152,599, Feb. 8.
- Crosby, Stephen A., and G. C. Seeger, Chicago, Ill., assignors to Sterling Tool Products Company. Electric portable rubbing machine or the like. 155,782, Nov. 1.
- Cross, Mark, Company, assignee: *See*—
Hochner, Alex.
- Crothers, Helen E. S., Cincinnati, Ohio. Bottle holder or the like. 154,993, Aug. 30.
- Crouch, Charles, Los Angeles, Calif. Universal tool for watchmakers. 154,370, July 5.
- Crowle, Robert H.: *See*—
Jones, Charles B., and Crowle.
- Crowley, John T., Lambertville, N. J., assignor to The Servus Rubber Company, Rock Island, Ill. Canvas rubber soled shoe. 155,783, Nov. 1.
- Crown Fastener Corporation, assignee: *See*—
Gries, Otto.
- Crown Jewel Ware, Inc., assignee: *See*—
Jewell, Floyd C.
- Crull, Irving W., Geneva, assignor to Campana Sales Company, Batavia, Ill. Combined display case and lipstick exhibit. 154,025, June 7.
- Crystal, Max: *See*—
Braun, William, and Crystal.
- Cucchiara, Joseph, and B. Raphaelson. Brooklyn, N. Y. Candle holder. 155,784, Nov. 1.
- Cull, Robert R.: *See*—
Ludwig, Sidney, and Cull.
- Culp, Raymond L., Chickasha, Okla. Game board. 154,663, Aug. 2.
- Culwell, Edward L., Alameda, Calif. Transparent prism vanity lamp. 153,585, May 3.
- Cuny, Helen B.: *See*—
Denoy, Constance R., and Cuny.
- Curneal, George E., San Francisco, Calif. Bookcase. 154,664, Aug. 2.
- Currie, John E., Brooklyn, and W. Borberg, Astoria, N. Y., assignors to International Projector Corporation. Loudspeaker. 155,333, Sept. 27.
- Currie, Otis C., assignor to K & M Products Company, Jackson, Mich. Tube extractor. 155,685, Oct. 25.
- Currie, Thomas, Southport, assignor to The Spencer Turbine Company, Hartford, Conn. Vacuum cleaner. 156,217, Nov. 29.
- Currie, William L., Muskegon, Mich. Liquid cooler. 155,686, Oct. 25.
- Curry, John J., Philadelphia, Pa. Medicinal and dental proportioning and mixing apparatus. 154,589, July 26.
- Curtis, Conrad J.: *See*—
Hansen, George H., Schroer, and Curtis.
- Curtis, Conrad J., Overland Park, Kans., assignor to C. Earl Hovey, trustee, Kansas City, Mo. Electric therapeutic spot irradiator. 156,218, Nov. 29.
- Curtis, John J., Lexington, Ky. Template for drawing plumbing fixtures. 155,687, Oct. 25.
- Cushing, George W., Newark, N. J., and A. Hahn, assignors to Krakauer Bros., New York, N. Y. Piano. 154,751, Aug. 9.
- Cutler, Horace F., Malden, Mass. Telephone dialing implement. 152,771, Feb. 22.
- Dabrow, Joseph M., New York, N. Y. Toe stop bracket for roller skates. 153,419, Apr. 19.
- D'Addario, Thomas, New York, assignor to The Johnnie Ryan Co., Niagara Falls, N. Y. Bottle or similar article. 153,586, May 3.
- Dahlquist, Isabel V., Middletown, Conn. Flower pot holder or similar article. 156,323, Dec. 6.
- Dahm, Norman W., and A. F. Keller, San Diego, Calif. Fish lure. 152,242, Jan. 4.
- Dailey, James K., assignor to Turner Manufacturing Company, Kokomo, Ind. Wheel balance weight. 152,945, Mar. 8.
- Dalglisch, Herbert F., St. Paul, Minn. Lawn mower frame. 156,076, Nov. 22.
- Da-Lite Screen Company, Inc., assignee: *See*—
Du Mais, Leo T., and Heck.
- Heck, John T., Du Mais, and Talbot.
- Damond, Emile, Paris, France. Electric heating radiator. 152,397, Jan. 18.
- Dampitz, Harold J., Chicago, Ill. Wedding ring guard or similar article. 154,994, Aug. 30.
- D'Angelo, Arnold, New York, N. Y. Wall plaque. 154,665, Aug. 2.
- D'Angelo, Gerald, New York, N. Y. Picture frame or similar article. 154,244, June 28.
- Daniel, Douglas, Chicago, Ill. Ironing table. 156,608, Dec. 27.
- Daniels, Elmer H.: *See*—
Storm, Frederick K., Jr., and Daniels.
- Danielson, Paul F., San Marino, Calif. Combination saw and cleaver. 152,600, Feb. 8.
- Danielson, Paul F., San Marino, Calif. Bottle carrier. 155,392, Oct. 4.
- Danner, Frank L., Medford, Mass. Place card holder or similar article. 155,973, Nov. 15.
- Dansco Corporation, assignee: *See*—
Hatfield, David D.
- D'Arcy, James A., Harrison, Mich. Statuette. 152,520, Feb. 1.
- Darr, Harold W., Minneapolis, assignor to T. O. Nelson, Fergus Falls, Minn. Tire bead breaker. 153,338, Apr. 12.
- Darr, Harold W., Minneapolis, assignor to C. R. Myre, Paynesville, Minn. Lamp head. 155,586, Oct. 18.
- Darr, Harold W., assignor to Worad Co., Minneapolis, Minn. Vegetable cutter. 156,487, Dec. 20.
- Darrin, Howard A., Hollywood, Calif., assignor, by mesne assignments, to Kaiser-Frazer Corporation, Willow Run, Mich. Combined bumper and automobile grille. 152,398, Jan. 18.
- Darrin, Howard A., Hollywood, Calif., assignor, by mesne assignments, to Kaiser-Frazer Corporation, Willow Run, Mich. Combined bumper and automobile grille. 153,266, Apr. 5.
- D'Ascanio, Corradino, assignor to Piaggio & C. Società per Azioni, Pisa, Italy. Motor bicycle. 156,609, Dec. 27.
- Dastugue, Nathalie, San Francisco, Calif. Bathtub seat. 156,324, Dec. 6.
- Daudier, Maurice, assignor to Cartier, Inc., New York, N. Y. Brooch or the like. 155,075, Sept. 6.
- Daudier, Maurice, assignor to Cartier, Inc., New York, N. Y. Brooch or the like. 155,076, Sept. 6.
- David, Louis S., New York, N. Y. Handbag frame. 153,669, May 10.
- Davidson, Gus, Chicago, Ill. Drip container for toilet flush tanks. 155,875, Nov. 8.
- Davidson, John F., Linden, N. J. Lamp. 154,245, June 28.
- Davies, Robert M.: *See*—
Thompson, Frank W., and Davies.

- Davis, Donavon, West Allis, Wis. Combined baby stroller and package carrier. 155,785, Nov. 1.
- Davis, Earle R., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator or similar article. 154,246, June 28.
- Davis, Harold G., Brooklyn, N. Y. Combination desk calendar and memorandum pad unit. 155,077, Sept. 6.
- Davis, Harold W., and J. W. Weber, Denver, Colo. Building. 153,505, Apr. 26.
- Davis, Jay C., Groton, Conn. Game board. 154,666, Aug. 2.
- Davis, Jeannette, West Los Angeles, Calif. Combination cigarette holder and ash receptacle or similar article. 155,876, Nov. 8.
- Davis, Joseph, assignor to Joseph Davis Plastics Co., Arlington, N. J. Rolling toy. 155,688, Oct. 25.
- Davis, Joseph, Plastics Co., assignee: *See*—Davis, Joseph.
- Davis, Morton.
- Davis, Mafalda, New York, N. Y. Spectacle frame. 154,102, June 14.
- Davis, Morton, South Orange, assignor to Joseph Davis Plastics Co., Arlington, N. J. Combined teether and rattle or similar article. 155,689, Oct. 25.
- Dawson, Gordon R.: *See*—Oros, John, and Dawson.
- Dawson, James S., New York, N. Y. Bookstand. 152,458, Jan. 25.
- Dawson, James S., New York, N. Y. Bookstall. 152,459, Jan. 25.
- Dawson, Stephen V., Evanston, assignor to Orange-Crush Company, Chicago, Ill. Beverage dispenser. 152,772, Feb. 22.
- Day, Jack L., Oakland, Calif. Toothbrush and tumbler holder. 154,464, July 12.
- Day, Wilbur M.: *See*—Millington, William, and Day.
- Day, William F., Albaston, Gunnislake, England. Frame for clocks or similar articles. 155,078, Sept. 6.
- Day-Brite Lighting, Inc., assignee: *See*—Meyer, Carl X.
- Daystrom Corporation, assignee: *See*—Kipp, Karl.
- Dean, Naomi M., Auxvasse, Mo. Tray. 152,521, Feb. 1.
- De Bay, George C., Jr., West Palm Beach, Fla. Fishing lure. 152,243, Jan. 4.
- De Boer, Roelof C., Amsterdam, Netherlands. Bicycle handlebar. 155,334, Sept. 27.
- Debonair, Inc., assignee: *See*—Arnold, Berel A.
- Deckinger, Herbert, New York, N. Y. Box for artists' brushes and pigments. 153,339, Apr. 12.
- Decoray Lamp Corp., assignee: *See*—Nicyper, Raymond S.
- De Crenza, Leo W., New York, N. Y. Safety swim suit. 155,877, Nov. 8.
- De Douglass, Porter, Hayward, Calif. Shoe shining machine. 152,328, Jan. 11.
- Degefor, Ladislav, Solna, assignor to Instrumentaktiebolaget J. A. Palm, Stockholm, Sweden. Pencil sharpener. 155,129, Sept. 13.
- Dehmelt, Richard C., Summit, N. J. Flight trainer hood. 153,925, May 31.
- Dekanski, Leon M., New York, N. Y. Desk clock. 153,420, Apr. 19.
- De Lancey, Warren H., Springfield, and B. P. Pond, Longmeadow, assignors to Engineering Products, Inc., Springfield, Mass. Fuel dispenser unit. 156,077, Nov. 22.
- Delcher, Howard C., Jr., and C. L. Brockman, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,335, Sept. 27.
- Deleo, Thomas A., Everett, assignor to L. B. Evans' Son Company, Wakefield, Mass. Slipper. 155,786, Nov. 1.
- De Lescinskis, Leonid, New York, N. Y. Bottle. 154,533, July 19.
- De Loof, George W.: *See*—Collard, Walter J., and De Loof.
- De Lu, Angela T., San Diego, Calif. Lamp. 156,610, Dec. 27.
- De Luce, John J., Minneapolis, Minn. Egg holder. 154,910, Aug. 23.
- De Marsa, Valeria, Los Angeles, assignor to Triangle Studios, El Monte, Calif. Cookie jar or similar article. 152,676, Feb. 15.
- De Martino, Alice Y., Malverne, N. Y. Egg beater. 154,752, Aug. 9.
- De Ment, Harold E., Decatur, and H. L. Wisnasky, Forsyth, Ill. Double acting joint. 156,325, Dec. 6.
- De Mesquita, Edwin B., Jamaica, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Toilet bowl cleaner. 155,489, Oct. 11.
- Denis, René, assignor to Societe a Responsabilite Limitee: Franco Continentale des Parfums, Paris, France. Combined perfume bottle and container. 153,767, May 17.
- Denison Engineering Company, The, assignee: *See*—Denison, William C., Jr.
- Denison, William C., Jr.
- Denison Industrial Corp., assignee: *See*—Denison, John S.
- Denison, John S., Pekin, Ill., assignor to Denison Industrial Corp. Collapsible table tripod. 154,753, Aug. 9.
- Denison, William C., Jr., Powell, assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic press unit. 154,667, Aug. 2.
- Dennison Manufacturing Company, assignee: *See*—McGovern, Henry P.
- Denoy, Constance R., and H. B. Cuny, Cliffside Park, N. J. Savings bank. 153,421, Apr. 19.
- Denoy, Constance R., and H. B. Cuny, Cliffside Park, N. J. Saving bank. 153,422, Apr. 19.
- Denslow, Isabelle A., Wethersfield, Conn. Table. 156,410, Dec. 13.
- Denver Wholesale Florists Company, The: *See*—Di Yorio, James V.
- De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Molded pulp cushion pad. 153,209, Mar. 29.
- Derham, Philip, Rosemont, Pa., assignor to Mastercraft Plastics Co. Inc., Jamaica, N. Y. Handle. 153,670, May 10.
- Derham, Philip, Rosemont, Pa., assignor to Mastercraft Plastics Co. Inc., Jamaica, N. Y. Handle. 153,671, May 10.
- Dern, Joseph, Roxbury, and J. H. Harris, Brookline, Mass. Combined telephone stand and lamp. 153,860, May 24.
- De Sales, John F., Kew Gardens, Long Island, N. Y. Dispenser for powdered materials. 153,861, May 24.
- D'Escayrac, Bernard, assignor to Guerlain, Inc., New York, N. Y. Lipstick container or the like. 155,393, Oct. 4.
- Desforges, Walter H., Jr.: *See*—Desforges, Walter H., Sr., and W. H., Jr.
- Desforges, Walter H., Sr., and W. H. Desforges, Jr., New Orleans, La. Souvenir stick. 155,130, Sept. 13.
- Design Builders, Inc., assignee: *See*—Pritchard, Richard.
- Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Rack or the like for billiard cues. 154,103, June 14.
- Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Rack or the like for billiard cues. 154,104, June 14.
- Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Rack or the like for billiard cues. 154,105, June 14.
- Deskey, Donald, New York, N. Y., assignor to The Proctor & Gamble Company, Cincinnati, Ohio. Bottle. 156,219, Nov. 29.
- Desky, Donald, Associates, assignee: *See*—Kirk, Edward B.
- Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Box cover switch. 154,026, June 7.
- Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Face plate for electric wiring devices. 154,371, July 5.
- Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Face plate for electric wiring devices. 154,372, July 5.
- De Tray, Donald E., Independence, Mo. Automobile hood ornament. 156,488, Dec. 20.
- De Tray, Robert M., Independence, Mo. Automobile radiator ornament. 156,489, Dec. 20.
- Deutsch Co., assignee: *See*—Beebe, Frederick L.
- Deutsch, Elsa, Bat Cave, N. C. Brooch or similar article. 152,522, Feb. 1.
- De Vault, Ralph P., Arcadia, Calif. Vegetable cutter. 152,677, Feb. 15.
- De Vilbiss Company, The, assignee: *See*—Reinecke, Jean O.
- De Vito, Felix, Brooklyn, N. Y. Shoe shaping device. 155,079, Sept. 6.
- Devlin, Leo J.: *See*—Helmemann, Edward H., and Devlin.
- De Vry Corporation, assignee: *See*—De Vry, William C.
- De Vry, William C., assignor to De Vry Corporation, Chicago, Ill. Combined portable motion-picture projector machine and carrying case therefor. 153,862, May 24.
- De Vry, William C., assignor to De Vry Corporation, Chicago, Ill. Combined portable motion-picture projector apparatus and carrying case therefor. 153,863, May 24.
- D'Henery, Marguerite C., Paris, France. Bottle. 153,423, Apr. 19.
- Dial-Writer Company, The, assignee: *See*—Hertz, Henry C.
- Diamant, Herman, New York, N. Y. Shoe or similar article. 153,768, May 17.
- Diamant, Herman, New York, N. Y. Shoe or similar article. 153,769, May 17.
- Diamant, Herman, New York, N. Y. Shoe or similar article. 153,770, May 17.
- Diamond, Freda, New York, N. Y., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hairbrush back and handle. 155,974, Nov. 15.
- Dibble, Roy F., Milwaukee, Wis. Vehicle. 155,873, Nov. 8.
- Dibelka, Henry G., assignor to Auto Lamp Manufacturing Co., Chicago, Ill. Combination directional signal and backup light. 155,587, Oct. 18.
- Diccha Industries, assignee: *See*—Turner, Lawson E.
- Diced Cream of America Co., assignee: *See*—Berch, Samuel H.

- Di Cicco, Avito, North Abington, Mass. Brooch or similar article. 156,220, Nov. 29.
- Dictaphone Corporation, assignee: *See*—
O'Neil, William J.
- Diesbach, Eleanor C., trustee, assignee: *See*—
Katz, Russell.
- Dieterich Products Corporation, assignee: *See*—
Ross, Albert R.
- Di Giorgio, Rocco, Franklin Park, Ill. High chair. 153,672, May 10.
- Dilger, Herman R., S. E. Kline, and T. M. Leonard, assignors to Associated Manufacturers Inc., Waterloo, Iowa. Cream separator. 152,329, Jan. 11.
- Dillon, Annie L. and M. G., Raleigh, N. C. Epergne and candle holder adapter for candlesticks. 153,506, Apr. 26.
- Dillon, Marian S., Youngstown, Ohio. Combination salt and pepper shaker. 152,601, Feb. 8.
- Dillon, Mary G.: *See*—
Dillon, Annie L. and M. G.
- Dillon, Roy A., Racine, Wis. Glass top end table. 152,330, Jan. 11.
- Dimling, Edwin C., Flushing, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Display fixture. 152,602, Feb. 8.
- Dingilian, Dikran, New York, N. Y., assignor to James Lees and Sons Company, Bridgeport, Pa. Display figure. 154,590, July 26.
- Dingman, Robert E., Indiana, Pa. Spectacle case. 153,267, Apr. 5.
- Dinhofer, Harry, New York, N. Y. Watch case. 152,870, Mar. 1.
- Dinhofer, Harry, New York, N. Y. Watch case. 153,771, May 17.
- Dinhofer, Harry, New York, N. Y. Watch case. 153,772, May 17.
- Dinhofer, Harry, New York, N. Y. Watch case. 153,773, May 17.
- Dinhofer, Harry, New York, N. Y. Watch case. 153,774, May 17.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,394, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,395, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,396, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,397, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,398, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,399, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,400, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,401, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,402, Oct. 4.
- Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,403, Oct. 4.
- Disch, John F., Chicago, Ill. Television antenna. 156,078, Nov. 22.
- Discher, Edward W., Milwaukee, Wis. Ash tray and stand for score pads. 156,326, Dec. 6.
- Dittmer, Ralph T.: *See*—
Hanson, Frank D., Arehart, and Dittmer.
- Ditto, Incorporated, assignee: *See*—
Quirk, Robert W.
- Dixie Cup Company, assignee: *See*—
Taubert, George.
- Dixon, George K., Corvallis, Oreg. Sewing cabinet. 156,221, Nov. 29.
- Dixon, Harry N., North Hollywood, Calif. Collar cuff iron. 153,926, May 31.
- Di Yorio, James V., assignor to The Denver Wholesale Florists Company, Denver, Colo. Wrapping paper. 153,340, Apr. 12.
- Dobbs, Frank G., Kew Gardens, and S. H. Dobbs, New York, N. Y. Wallet or similar article. 152,946, Mar. 8.
- Dobbs, Frank G., Kew Gardens, and S. H. Dobbs, New York, N. Y. Wallet or similar article. 152,947, Mar. 8.
- Dobbs, Stephan H.: *See*—
Dobbs, Frank G. and S. H.
- Dr. Pepper Company, assignee: *See*—
Hoople, Warner W.
- Doggett, David L.: *See*—
Schier, Wallace, and Doggett.
- Dolak, Andy, Flint, Mich. Fish lure. 153,587, May 3.
- Dolan, Francis D., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Surface treating machine. 152,948, Mar. 8.
- Dolan, Francis D., Toledo, and L. Vavrik, Rossford, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary power handsaw. 152,678, Feb. 15.
- Dolan, George A.: *See*—
Smith, Harry B., and Dolan.
- Domann, John A.: *See*—
Domann, John L. and John A.
- Domann, John L. and John A., South Gate, Calif. Fender ornament. 156,611, Dec. 27.
- Domann, John L. and John A., South Gate, Calif. Fender ornament. 156,612, Dec. 27.
- Donaldson, James E., Chicago, Ill. Supporting bracket or the like. 155,131, Sept. 13.
- Donaldson, Thomas C., Hollywood, Calif. Coffee urn. 152,773, Feb. 22.
- Donath, Ernest, Brookline, Mass. Plaited skirt. 152,603, Feb. 8.
- Donati, Enrico, New York, N. Y., assignor to Lady Ester, Ltd., Chicago, Ill. Lipstick container. 154,106, June 14.
- Don Manufacturing Co., assignee: *See*—
Huszagh, Ralph D.
- Donnelley, Joseph B., Burlingame, Calif., assignor to Schenley Distillers Corporation, New York, N. Y. Can opener. 154,107, June 14.
- Dooley, Isaac P.: *See*—
Marinack, Patrick T.
- Doppelt, Charles, Chicago, Ill. Hand luggage case or the like. 154,247, June 28.
- Dorfman, Jerome J., and F. H. Kennedy, New York, N. Y. Shoe covering or similar article. 155,132, Sept. 13.
- Dormeyer Corporation, assignee: *See*—
Schwaneke, Fred C.
- D'Orsay Perfumeries Corporation, assignee: *See*—
Guerin, Jacques.
- Dougherty, Jack, assignor to Monark Silver King, Inc., Chicago, Ill. Head casting for bicycle. 155,787, Nov. 1.
- Dougherty, John S., Jackson Heights, assignor to E. L. Cournand and Company, New York, N. Y. Lens attachment for television receiving sets. 154,911, Aug. 23.
- Douglas Aircraft Company, Inc., assignee: *See*—
Heinemann, Edward H., and Devlin.
- Douglas Manufacturing Company, assignee: *See*—
Kelly, George M.
- Dow, Harold W., Metamora, Mich. Fish lure. 155,133, Sept. 13.
- Downes, William F., Bridgeport, Conn. Weather glass. 155,336, Sept. 27.
- Doyle, Frank J., Bronxville, N. Y. Antilime device or similar article. 156,079, Nov. 22.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 153,424, Apr. 19.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner casing. 154,027, June 7.
- Dreyfuss, Henry, assignor to General Time Corporation, New York, N. Y. Clock. 154,995, Aug. 30.
- Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Control dial for a sad-iron or similar article. 155,080, Sept. 6.
- Dreyfuss, Henry, Pasadena, Calif., and R. H. Hose, Mountside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. 153,927, May 31.
- Dreyfuss, Henry, Pasadena, Calif., and R. H. Hose, Mountside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. 153,928, May 31.
- Drnevich, Lewis, East McKeesport, Pa. Overhead trim for a window or the like. 153,588, May 3.
- Dronoff Shoe Products Inc., assignee: *See*—
Litvack, Saul.
- Drubko, John, Jefferson, Ohio. Fountain brush head. 153,507, Apr. 26.
- Dubenstein, Julius, New York, N. Y. Combination caster and perfume holders. 153,589, May 3.
- Dubiner, Samuel, Toronto, Ontario, Canada. Pig bank. 153,775, May 17.
- Duester, Hans J., assignee: *See*—
Schaeffer, Charles.
- Duester, Hans J., assignor to himself and J. Major, Chicago, Ill. Extensible band for a watch bracelet or similar article. 152,774, Feb. 22.
- Duester, Hans J., assignor to himself and J. Major, Chicago, Ill. Extensible band for a watch bracelet or similar article. 152,775, Feb. 22.
- Duester, Hans J., assignor to himself and J. Major, Chicago, Ill. Extensible band for a watch bracelet or similar article. 153,123, Mar. 22.
- Duley, Clyde, assignor of twenty-five per cent to M. B. Dunham and fifty per cent to M. A. Love, Sherman, Tex. Condiment shaker. 155,975, Nov. 15.
- Du Mais, Leo J.: *See*—
Heck, John T., Du Mais, and Talbot.
- Du Mais, Leo T., Chicago, and J. T. Heck, Elmhurst, assignors to Da-Lite Screen Co., Inc., Chicago, Ill. Collapsible stand for screen or the like. 156,613, Dec. 27.
- Dumke, Maxine S., near Fontana, Calif. Cake chest or similar article. 154,197, June 21.
- Du Mont Corporation, The, assignee: *See*—
Du Mont, William B.
- Du Mont, William B., assignor to The du Mont Corporation, Greenfield, Mass. Holder for a keyway broach and bushing set. 154,028, June 7.
- Du Mont, William B., assignor to The du Mont Corporation, Greenfield, Mass. Holder for a keyway broach and bushing set. 154,029, June 7.
- Dumovitz, Sydney D., Brooklyn, N. Y. Wedding ring. 152,460, Jan. 25.
- Dunbar Kapple, Inc., assignee: *See*—
Morgan, John R.
- Dunbar, MacInnis M., Highland Park, assignor to Lighting Products, Inc., Chicago, Ill. Electric lighting fixture. 155,337, Sept. 27.

- Dunbar, MacInnis M., assignor to Lighting Products, Inc., Highland Park, Ill. Electric lighting fixture. 153,864, May 24.
- Dunberg, David W., New York, N. Y. Cigarette dispenser. 155,490, Oct. 11.
- Duncan, John L., and B. Martin, Chicago, Ill. Box or the like. 152,523, Feb. 1.
- Duncan Meter Corporation, assignee: *See*—Broussard, Robert F.
- Duncan Parking Meter Corporation, assignee: *See*—Broussard, Robert F., and Toce.
- Duncan Storm Ltd., Inc., assignee: *See*—Hageman, Frank P., Mora, and Richardson.
- Duncan, Wayne E., Honolulu, Territory of Hawaii. Man's shirt or the like. 156,490, Dec. 20.
- Dunham, Melvin B., assignee: *See*—Duley, Clyde.
- Dunham, Thomas M., assignor to Aurora Equipment Company, Aurora, Ill. Office table or the like. 155,976, Nov. 15.
- Dunn, Vernon E., assignor to Appliance Manufacturing Company, Alliance, Ohio. Clothes wringer. 153,210, Mar. 29.
- Dupli-Color Products Company, assignee: *See*—Edelstone, Sigmund E., and Jenks.
- Duralux Company, The, assignee: *See*—Fishelson, Joseph E.
- Duranol Products, Inc., assignee: *See*—Newman, Monroe H.
- Durbin, Neal E., Seattle, Wash. Cigarette package rack. 154,243, June 28.
- Durkin, Ethel G., Santa Monica, Calif. Kitchen cabinet. 156,491, Dec. 20.
- Duro Pattern and Mold Company, assignee: *See*—Stewart, Henry A.
- Dutton, Charles F., Rocky River, Ohio. Projection lantern. 154,249, June 28.
- Duval, Rosaire: *See*—Marisseau, Joseph M., and Duval.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 152,679, Feb. 15.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 152,680, Feb. 15.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Ear clip or similar article. 152,681, Feb. 15.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Necklace. 154,030, June 7.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Pendant clip or similar article. 154,591, July 26.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Pendant clip or similar article. 154,592, July 26.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 155,690, Oct. 25.
- Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 155,691, Oct. 25.
- Dwinell, Charles L., Kansas City, Mo. Counter sign. 152,399, Jan. 18.
- Dwinell, Charles L., Kansas City, Mo. Advertising display sign. 152,776, Feb. 22.
- Dwinell, Charles L., Kansas City, Mo. Display fixture. 152,777, Feb. 22.
- Dwinell, Charles L., Kansas City, Mo. Combined advertising display and clock. 154,534, July 19.
- Dykstra, Jacob, assignor to Glaser, Crandell Co., Chicago, Ill. Bottle or the like. 155,134, Sept. 13.
- Dyson, Louis M., assignor to The American Hardware Corporation, New Britain, Conn. Luggage lock. 156,492, Dec. 20.
- E & J Manufacturing Co., assignee: *See*—Behar, Samuel M.
Fox, Roy G.
- Eagle Electric Mfg. Co., assignee: *See*—Marino, Joseph.
- Eagle Roll Leaf Stamping Company, assignee: *See*—Fishman, Aaron H.
- Eakins, Trivice R., Bowling Green, Ky. Towel rack. 152,331, Jan. 11.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Coffee table. 152,949, Mar. 8.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Chair. 155,272, Sept. 20.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Chair. 155,273, Sept. 20.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Tilt-back chair. 155,274, Sept. 20.
- Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Easy chair. 155,275, Sept. 20.
- Earl, Harley J., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Automobile body. 155,788, Nov. 1.
- Earl, Harley J., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Automobile body. 155,789, Nov. 1.
- Easterling, Lloyd M.: *See*—Miller, Julius Z., and Easterling.
- Eastern Jewelry Finding Works, Inc., assignee: *See*—Hoeckele, Karl F.
- Eastman Kodak Company, assignee: *See*—Harmon, Herbert H.
Schubert, Alvin E., Clement, and Egan.
Van Dyck, Kenneth A.
- Easy Washing Machine Corporation, assignee: *See*—Peet, Nelson R., Jr.
- Eaton, Cloy W., Portland, Oreg. Game board. 156,222, Nov. 29.
- Eaton, Wilfred A., assignor, by mesne assignments, to Sanford Products, Inc., Woodbury, Conn. Boxlike container. 153,268, Apr. 5.
- Ebel, William K., Baltimore County, A. J. Subasky, Baltimore, and W. D. van Zelm, Baltimore County, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,404, Oct. 4.
- Ebert, Charles W.: *See*—Capstur, Joseph M., Booker, and Ebert.
- Ebert, Leonard J., Kansas City, Mo. Magnetic grounding contact clamp and holding device. 156,411, Dec. 13.
- Ebert, Leonard J., Kansas City, Mo. Magnetic grounding contact clamp and holding device. 156,412, Dec. 13.
- Eck, Elmer, Peru, Ind. Upholstered chair. 154,841, Aug. 16.
- Eck, Elmer, Peru, Ind. Upholstered sofa. 154,842, Aug. 16.
- Eck, Elmer, Peru, Ind. Upholstered chair. 155,081, Sept. 6.
- Eckstein, Bernard, assignor to The B. V. D. Corporation, New York, N. Y. Printed fabric. 154,250, June 28.
- Edelman, Irving, Brooklyn, N. Y. Automatic toaster. 156,080, Nov. 22.
- Edelstone, Sigmund E., Chicago, and A. L. Jenks, Dixon, assignors to Dupli-Color Products Company, Chicago, Ill. Spray gun. 153,865, May 24.
- Edison, Thomas A., Incorporated, assignee: *See*—Braun, Gustav F., and Porter.
Somers, Richard M.
Stamper, Willson Y., and La Forest.
- Edwards, Albert E., New York, N. Y. Needle threader or the like. 154,754, Aug. 9.
- Edwards and Company, Inc., assignee: *See*—Guild, Lurelle V. A.
- Edwards, Harve D., Los Angeles, assignor to Rheem Manufacturing Company, Richmond, Calif. Gas console heater cabinet or similar article. 152,682, Feb. 15.
- Egan, John F.: *See*—Schubert, Alvin E., Clement, and Egan.
- Eggleston, Allen J., Hamden, Conn., assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 152,950, Mar. 8.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,251, June 28.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,252, June 28.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,253, June 28.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,254, June 28.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,465, July 12.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,466, July 12.
- Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,467, July 12.
- Eichenbaum Umbrella Co., Inc., assignee: *See*—Sabotka, Phillip S.
- Eichman, Ellis V., Brownsville, Tex. Airplane. 153,590, May 3.
- Eimmerman, Harry J., New Haven, Conn. Salvage hook. 153,776, May 17.
- Eisenberg, Arthur A., assignor to National Silver Company, New York, N. Y. Display box. 153,124, Mar. 22.
- Eisenberg, Arthur A., assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 153,777, May 17.
- Eisendrath, Robert N., Chicago, Ill. Combination love seat, lounge, and bed. 154,031, June 7.
- Ekco Products Company, assignee: *See*—Eggleston, Allen J.
Hvale, James L.
Muller-Munk, Peter.
Wagner, Franz.
- Eklund, Daryll D., Council Bluffs, Iowa. Granular material container. 155,276, Sept. 20.
- Ekstrand, Ernest W., assignor to Ekstrand Manufacturing Company, Orange, N. J. Self-contained refrigeration unit. 153,866, May 24.
- Ekstrand Manufacturing Company, assignee: *See*—Ekstrand, Ernest W.
- Eldredge, Jack, Cleveland, Ohio. Foot massager. 152,951, Mar. 8.
- Electra Motors, Inc., assignee: *See*—Shaeffer, Norbert.
- Electra Voice Corporation, assignee: *See*—Overshiner, Ellsworth B.
- Electric Animals, Inc., assignee: *See*—Levinson, Benjamin L.

- Electric Neon Mfg. Co., The, assignee: *See—*
Berry, Wilbur H.
- Elec-Trick Toys Inc., assignee: *See—*
Roggenstein, Edwin O.
- Electrolux Corporation, assignee: *See—*
Ernolf, Carl O.
- Elias, Solomon, New York, N. Y. Edging. 155,338, Sept. 27.
- Elleman, Tom, and W. C. Cather, Toledo, Ohio. Cooking utensil. 154,912, Aug. 23.
- Ellens Chocolates, assignee: *See—*
Volz, Egon.
- Elliott, George E., Birmingham, Ala. Toothbrush and glass holder. 152,461, Jan. 25.
- Elliott, Juanita J., Lathrop, Calif. Outdoor service restaurant stand. 155,879, Nov. 8.
- Elliott, Marion A., Detroit, Mich. Vacuum leaf loader. 153,673, May 10.
- Ellis, Max H., Huntington Park, Calif. Automotive intake manifold. 154,996, Aug. 30.
- Ellmore Silver Co., Inc., The, assignee: *See—*
Lipman, Isadore A.
McKiernan, Thomas B.
- Ellsworth, William M., assignor to M. Friedman, Brooklyn, N. Y. Protective container for nursing bottles. 155,135, Sept. 13.
- Elseco, Inc., assignee: *See—*
Collier, Winthrop F.
- Elser, Charles, Clementon, N. J. Spoon holder. 154,997, Aug. 30.
- Elwell, Edwin L., East Orange, N. J., assignor to Eskimo Pie Corporation. Confectionery product. 154,998, Aug. 30.
- Emarco Corporation, assignee: *See—*
Briggs, Eugene C.
- Emerson, Frank P., Los Angeles, Calif. Popcorn vending machine. 154,198, June 21.
- Emmons, Albert E., Lockport, assignor to Rumsey Products, Inc., Seneca Falls, N. Y. Electric driven lawn mower. 154,108, June 14.
- Empire Ironer, Inc., assignee: *See—*
Getgey, John J.
- Empire Plastic Corporation, assignee: *See—*
Leaf, Ludwig.
- Endicott Johnson Corporation, assignee: *See—*
Williams, William T.
- Engel, Irving, East Orange, N. J. Combined radio, clock, and lamp. 153,269, Apr. 5.
- Engineering Products, Inc., assignee: *See—*
De Lancey, Warren H., and Pond.
- England, William B., Oakland, assignor to C. D. Beatie, San Francisco, Calif. Combined toothbrush, container and holder. 154,255, June 28.
- Ensign, Robert H., New York, N. Y., assignor to John A. Roebbing's Sons Company, Trenton, N. J. Lawn mower. 154,256, June 28.
- Epstein, Charles I., assignor to Toaster Corporation of America, New York, N. Y. Toaster. 154,535, July 19.
- Epstein, Herman, Kansas City, Mo. Smoking pipe holder. 155,790, Nov. 1.
- Eratico, Rose R., assignee: *See—*
Weston, Sydney.
- Eratico, Rose R., Long Island City, N. Y. Container for a liquid. 154,999, Aug. 30.
- Eratico, Rose R., Long Island City, N. Y. Cigarette lighter. 155,000, Aug. 30.
- Eratico, Rose R., Long Island City, N. Y. Combined cigarette lighter and container for lighter fuel. 156,493, Dec. 20.
- Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Can or similar article. 153,270, Apr. 5.
- Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Can or similar article. 153,591, May 3.
- Erickson, C. E., Company, Inc., assignee: *See—*
Erickson, Ernest R.
- Erickson, Carl, assignee: *See—*
Qualls, Paul J.
- Erickson, Ernest R., Des Moines, Iowa. Milk bottle case or similar article. 152,462, Jan. 25.
- Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Bottom member for milk bottle carrying cases and the like. 152,683, Feb. 15.
- Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Case for carrying milk bottles and the like. 156,327, Dec. 6.
- Erickson Glass Works, assignee: *See—*
Qualls, Paul J.
- Erickson, Stephen: *See—*
Qualls, Paul J.
- Erie Meter Systems, Inc., assignee: *See—*
Adams, Wilbur H.
- Erker, Genevieve J., Clayton, Mo. Stirring, scraping, and beating spoon. 153,674, May 10.
- Ernolf, Carl O., Saint Essingen, Stockholm, Sweden, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner or the like. 153,271, Apr. 5.
- Ernst, Earl A., Bakersfield, Calif. Trailer for grading articles. 154,032, June 7.
- Ernst, Wilfred C., Chicago, assignor to Central Commercial Company, Cook County, Ill. Tone cabinet. 156,614, Dec. 27.
- Erwin, Darrett S., Sarasota, Fla. Chair or similar article. 155,880, Nov. 8.
- Eskimo Pie Corporation, assignee: *See—*
Elwell, Edwin L.
- Espey, George B., and G. D. Waite, Cleveland, Ohio. Fishing lure. 154,109, June 14.
- Esposito, Salvatore, and D. Vassalluzzo, Philadelphia, Pa. Chain for a watch band or similar article. 155,136, Sept. 13.
- Esses, Joseph J., Lakewood, assignor to The Brush Development Company, Cleveland, Ohio. Phonograph pickup. 154,843, Aug. 16.
- Estella, Thomas, Long Island City, N. Y. Table lamp. 156,081, Nov. 22.
- Esterow, Harry, New York, N. Y. Combined pencil and pen point protector and clip. 156,413, Dec. 13.
- Estrin, Richard, Hewlett, N. Y. Bottle. 154,257, June 28.
- Etkin, Simon, New York, N. Y. Jacket. 152,244, Jan. 4.
- Etkin, Simon, New York, N. Y. Jacket. 155,491, Oct. 11.
- Etkin, Simon, New York, N. Y. Jacket. 155,791, Nov. 1.
- Eugene, Ltd., assignee: *See—*
Chedister, Conkling.
- Eureka Williams Corporation, assignee: *See—*
Osborn, Ralph C.
- Evans Case Co., assignee: *See—*
Kirby, Robert F.
Reilly, Alfred F.
Reilly, William J.
- Evans, L. B., Son Company, assignee: *See—*
Deleo, Thomas A.
- Evans Products Company, assignee: *See—*
Eames, Charles.
- Even-Pul Foundations, Inc., assignee: *See—*
Lo Cascio, Jack J.
- Everedy Company, The, assignee: *See—*
Lebherz, Harry J.
- Everett, John E., Evanston, assignor to H. Kravitz, Chicago, Ill. Planter lamp. 154,110, June 14.
- Everett, Milton C., Roosevelt, assignor to S. Wechsler, N. Raskin, and R. L. Rossin, doing business as Stanat Tool and Machine Company, Long Island City, N. Y. Food grinder. 152,871, Mar. 1.
- Everfine Jewelry Manufacturing Company, assignee: *See—*
Anderson, Eric G. O.
- Evers, Karl, Tacoma, Wash. Violin. 155,881, Nov. 8.
- Evins, Inc., assignee: *See—*
Levin, David E.
- Exner, Virgil M., assignor to The Studebaker Corporation, South Bend, Ind. Automobile. 152,400, Jan. 18.
- Fabricmart Corporation, The, assignee: *See—*
Zavell, Arnold.
- Fachon, Emil E., Edgewood, R. I., assignor to Bulova Watch Company, Inc., New York, N. Y. Bracelet or similar article. 153,125, Mar. 22.
- Factor, Max, & Co., assignee: *See—*
Crane, Walton B.
- Fader, Arthur I., Yonkers, and I. Nevin, Bronx, N. Y. Pizza pie oven. 152,952, Mar. 8.
- Fader, William, Newark, N. J. Oven. 153,592, May 3.
- Faill, Violet, Childwall, Liverpool, assignor to T. P. Parry and O. R. Adamson, trading as The Pandora Company, Liverpool, England. Table lamp. 156,223, Nov. 29.
- Fairbanks, Morse & Co., assignee: *See—*
Maguire, Leonard.
- Fairies Manufacturing Company, assignee: *See—*
Laystrom, Carl A., and Sigler.
Sigler, Howard R., and Laystrom.
- Falkenberg, Robert L., Mission, Kans. Combined display rack and color selector. 154,111, June 14.
- Fanelli, Pasquale W., Brooklyn, N. Y. Combined earring and perfume container. 152,604, Feb. 8.
- Faniola, Nicholas J., Plainville, Conn. Wall clock. 155,405, Oct. 4.
- Farber, Morris: *See—*
Freedman, Bluma, and Farber.
- Farley, Louis C.: *See—*
Marsh, Milton, Goldreich, and Farley.
- Farley, Otis N., Lynden, Wash. Combination cowl and instrument panel for automobiles. 156,328, Dec. 6.
- Farr, Edward A., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Combined heater and electric fan. 156,494, Dec. 20.
- Farrell, Frank, assignor to J. Ruppert, New York, N. Y. Foam scraper holder. 152,245, Jan. 4.
- Farrell, Ted, Berkeley, Calif. Band-saw machine. 153,867, May 24.
- Fasco Industries, Inc., assignee: *See—*
Grover, Frederic S.
- Faulhaber, Frank J., New York, N. Y. Automobile grille guard. 153,593, May 3.
- Fausel, Charles A., Glen Ridge, N. J. Toy music box. 155,277, Sept. 20.
- Fay, Murry N., San Carlos, Calif. Wine wagon. 154,913, Aug. 23.
- Feder, Alvin, Chicago, Ill. Combined waffle iron and tray. 154,668, Aug. 2.
- Feder, Alvin, assignor to Serva-Matic Corporation, Chicago, Ill. Waffle iron. 155,137, Sept. 13.
- Federal Manufacturing & Engineering Corp., assignee: *See—*
Kaplowitz, Morris.

- Federal Telephone and Radio Corporation, assignee: *See*—
Little, John M.
Schier, Wallace, and Doggett.
- Federico, Joseph B., New Baltimore, Mich., assignor to Master Metal Products, Inc., Buffalo, N. Y. Tool chest or the like. 152,246, Jan. 4.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,332, Jan. 11.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,401, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,402, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,403, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,404, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,405, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,406, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,407, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,408, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,409, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,410, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,411, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,412, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,413, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,414, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,415, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,416, Jan. 18.
- Federico, Joseph B., New Baltimore, Mich., and M. M. Palo, assignors to The Astatic Corporation, Conneaut, Ohio. Combined microphone and base therefor. 156,329, Dec. 6.
- Feigl, Charles, New York, N. Y. Handbag. 154,373, July 5.
- Feigl, Charles, New York, N. Y. Handbag. 154,374, July 5.
- Feigl, Charles, New York, N. Y. Handbag. 154,755, Aug. 9.
- Feigl, Charles, New York, N. Y. Handbag. 154,914, Aug. 23.
- Feigl, Charles, New York, N. Y. Handbag. 154,915, Aug. 23.
- Feigl, Charles, New York, N. Y. Handbag with umbrella compartment. 155,082, Sept. 6.
- Feinstein, Harold E.: *See*—
Zandberg, Paul, Feinstein, Sally, and Wachtin.
- Feinstein, Morris A., Chicago, Ill. Electric broiler. 152,953, Mar. 8.
- Feintuch, Max, assignor to Inez Holland, New York, N. Y. Bubble producing toy figure. 254,593, July 26.
- Feintuch, Max, Brooklyn, and B. F. Jay, New York, N. Y. Bell. 155,882, Nov. 8.
- Feldman, Joseph: *See*—
Muhlenbrook, Henry C., and Feldman.
- Feldman, Samuel, Brooklyn, N. Y. Combination cap and eye shield. 153,778, May 17.
- Feldstien, Zadek, Co., Inc., assignee: *See*—
Tharler, Seymour.
- Feltz, Joseph, Jersey City, N. J. Emergency automobile light. 152,684, Feb. 15.
- Fenlason, Donna L., New York, N. Y. Water shoe. 154,594, July 26.
- Fenstermaker, Gerald B.: *See*—
Reese, Edward G., and Fenstermaker.
- Ferar, Montgomery: *See*—
Sandberg, Carl W., and Ferar.
- Ferar, Montgomery, Detroit, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Kitchen range. 153,126, Mar. 22.
- Ferar, Montgomery, Detroit, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Kitchen range. 153,127, Mar. 22.
- Ferar, Montgomery, Detroit, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking range control panel unit. 154,112, June 14.
- Ferar, Montgomery, Detroit, Mich., assignor to Noblitt Sparks Industries, Inc., Columbus, Ind. Electric toaster. 154,916, Aug. 23.
- Ferar, Montgomery, and C. W. Sundberg, Detroit, Mich., assignors to Prentiss-Wabers Products Company, Wisconsin Rapids, Wis. Space heater cabinet. 153,061, Mar. 15.
- Ferar, Montgomery, and C. W. Sundberg, Detroit, Mich., assignors to Prentiss-Wabers Products Company, Wisconsin Rapids, Wis. Space heater cabinet. 153,062, Mar. 15.
- Ferguson, Harry, Inc., assignee: *See*—
Nelson, Noral A.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Highway traffic signal. 155,001, Aug. 30.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Highway traffic signal. 155,406, Oct. 4.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Highway traffic signal. 155,492, Oct. 11.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Highway traffic signal. 155,493, Oct. 11.
- Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Pouring spout. 156,082, Nov. 22.
- Ferree, Kemper H., assignor to Kraft Foods Company, Chicago, Ill. Tumbler. 156,083, Nov. 22.
- Ferrier, David J., St. Kilda, Victoria, Australia. Kazoo. 154,756, Aug. 9.
- Ferrill, Otis, Whittier, Calif. Restaurant building or similar article. 155,002, Aug. 30.
- Ferrin, Frank: *See*—
McConnell, James E., and Ferrin.
- Ferriot, Joseph V., Akron, Ohio. Artificial fish lure. 154,033, June 7.
- Ferris, Roy A., Chicago, Ill. Artificial lure. 153,128, Mar. 22.
- Ferris, William J., Arlington, N. J., assignor to Congoleum-Nairn Inc. Display rack for rolled flexible floor coverings or the like. 155,792, Nov. 1.
- Ferry, William R., Regina, Saskatchewan, Canada. Lock or latch casing. 153,341, Apr. 12.
- Fibre-Plastics Corporation, assignee: *See*—
Lennon, James W.
- Fida, John M., St. Paul, Minn. Combined hub cap and wrench. 155,793, Nov. 1.
- Fiedler, John, Dayton, Ohio. Cheese knife. 152,954, Mar. 8.
- Fiedler, John and Joseph, Dayton, Ohio. Plastic basket. 153,129, Mar. 22.
- Fiedler, Joseph: *See*—
Fiedler, John and Joseph.
- Field, Richard P., Cincinnati, assignor to Balcrank, Inc., Disney near Marburg, Cincinnati, Ohio. Lubricant dispensing device. 152,463, Jan. 25.
- Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Capsule carrier. 154,669, Aug. 2.
- Fields, Mack R., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Carrier for capsules and the like. 156,330, Dec. 6.
- Filtex Corporation, assignee: *See*—
Storm, Frederick K., Jr.
- Finch Telecommunications, Inc., assignee: *See*—
Teague, Walter D.
- Fine, Alex, assignor to Stuart Inc., St. Paul, Minn. Toy dog. 155,977, Nov. 15.
- Fine, Alex, assignor to Stuart Inc., St. Paul, Minn. Sachet pompon cat. 155,978, Nov. 15.
- Fink, Edward A., Chicago, Ill. Indicator control panel unit for stoves. 154,113, June 14.
- Finke, Theodore R., Euclid, Ohio. Night light. 155,588, Oct. 18.
- Finkelstein, Augusta P., Woonsocket, R. I. Clothes and shoe cabinet or the like. 154,199, June 21.
- Firan Co., The; assignee: *See*—
Fitch, Raymond L.
- Fischer, Benjamin, New York, N. Y. Coat. 155,794, Nov. 1.
- Fischer, Benjamin, New York, N. Y. Coat. 155,795, Nov. 1.
- Fischer, Benjamin, New York, N. Y. Coat. 155,796, Nov. 1.
- Fischer, Benjamin, New York, N. Y. Coat. 155,797, Nov. 15.
- Fischer, Howard L., St. Paul, Minn. Match cover. 152,955, Mar. 8.
- Fischer, Howard L., St. Paul, Minn. Toothbrush. 153,130, Mar. 22.
- Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Writing instrument. 154,034, June 7.
- Fischer, Ira A.: *See*—
Chalfin, Irving, and Fischer.
- Fischett, Charles, South Ozone Park, N. Y. Candleholder. 155,278, Sept. 20.
- Fishburne, James B., Norfolk, Va. Finger ring or kindred article. 153,868, May 24.
- Fishelson, Joseph E., assignor to The Duralux Company, Wooster, Ohio. Coffee maker. 153,342, Apr. 12.
- Fisher, Etta M., Rochester, N. Y. Combined can opener, bottle opener, and gripping tool. 154,375, July 5.

- Fisher, Francis C., Syracuse, N. Y. Tap handle. 154,114, June 14.
- Fisher-Price Toys, Inc., assignee: *See*—
Hunt, Lynn B.
- Fishman, Aaron H., assignor to Eagle Roll Leaf Stamping Company, Brooklyn, N. Y. Cocktail spoon. 154,757, Aug. 9.
- Fishman, Aaron H., assignor to Eagle Roll Leaf Stamping Company, Brooklyn, N. Y. Cocktail fork. 154,758, Aug. 9.
- Fitch, Raymond L., Los Angeles, assignor to The Firan Co., Santa Monica, Calif. Wall heater. 155,930, Nov. 15.
- Fitzgerald, Eugene G., Pinson, Ala., assignor to L. G. Balfour Company. Finger ring. 154,759, Aug. 9.
- Fitzgerald, Gus R., Ponca City, Okla. Combined pedestal and mirror. 155,495, Oct. 11.
- Fixler Bros., assignee: *See*—
Fixler, Maurice.
- Fixler, Maurice, assignor to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 155,138, Sept. 13.
- Fixler, Maurice, assignor to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 155,139, Sept. 13.
- Fixler, Maurice, assignor to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 155,140, Sept. 13.
- Flamm, Alexander L., Bridgeport, Conn., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 154,376, July 5.
- Flannery, Roy L., assignor to The Boye Needle Company, Chicago, Ill. Display cabinet. 153,508, Apr. 26.
- Flannery, Roy L., assignor to The Boye Needle Company, Chicago, Ill. Display case. 155,407, Oct. 4.
- Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact or similar article. 153,509, Apr. 26.
- Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact or similar article. 153,510, Apr. 26.
- Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact. 153,511, Apr. 26.
- Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact and lipstick receptacle. 154,670, Aug. 2.
- Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact. 155,408, Oct. 4.
- Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact. 155,409, Oct. 4.
- Flato, Paul E., assignor to Paul Flato Sales Corp., New York, N. Y. Compact or similar article. 155,410, Oct. 4.
- Flato, Paul E., assignor to Paul Flato Sales Corp., New York, N. Y. Compact or similar article. 156,495, Dec. 20.
- Flato, Paul E., New York, N. Y. Compact or similar article. 156,496, Dec. 20.
- Flato, Paul, Sales Corp., assignee: *See*—
Flato, Paul.
- Flato, Paul E.
- Flatt, Clarence C., Rehoboth Beach, Del. Rocking toy. 152,524, Feb. 1.
- Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixing machine or the like. 152,872, Mar. 1.
- Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixing machine or the like. 152,873, Mar. 1.
- Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 156,414, Dec. 13.
- Fleishman, Myron, Bronx, N. Y. Marble game. 153,211, Mar. 29.
- Fleishman, Myron, Bronx, N. Y. Toy pistol. 153,929, May 31.
- Fleishman, Myron, Bronx, N. Y. Toy pistol. 156,497, Dec. 20.
- Fleming, Jack F., Scarsdale, N. Y., assignor to Sterling Plastics Company, Union, N. J. Powder box. 155,494, Oct. 11.
- Fleming, Jacob W. P., Memphis, Tenn. Frozen food storage and display cabinet. 156,415, Dec. 13.
- Fleming, Mary P.: *See*—
Allen, Grosvenor N., and Fleming.
- Fleres, Angelo J., Hollis, Long Island, N. Y. Handbag frame. 153,594, May 3.
- Fleres, Angelo J., Hollis, Long Island, N. Y. Handbag frame. 153,779, May 17.
- Flesch, Stanley, Chicago, Ill. Tripod head for a camera or similar article. 155,279, Sept. 20.
- Flesch, Stanley, Chicago, Ill. Tripod head for a camera or similar article. 155,280, Sept. 20.
- Flesh, Stanley J., Chicago, Ill. Tripod head for a camera or similar article. 152,247, Jan. 4.
- Fletcher, Albert C., Oklahoma City, Okla. Steam cleaner for automobiles or the like. 153,780, May 17.
- Fletcher, Maurice J., Arlington, Va. Fishing rod. 156,615, Dec. 27.
- Fletcher, Wendell S., South Pasadena, Calif. Instrument panel. 152,605, Feb. 8.
- Fleuridas, André, Westport, Conn., assignor to Mazer Bros. Inc., New York, N. Y. Earring or similar article. 156,084, Nov. 22.
- Fleuridas, André, Westport, Conn., assignor to Mazer Bros. Inc., New York, N. Y. Earring or similar article. 156,085, Nov. 22.
- Flint, Forest F., Detroit, Mich., assignor to L. D. Gentle. Smoker's pipe. 153,869, May 24.
- Flock, Arthur E.: *See*—
Pulver, Wilfrid A., and Flock.
- Florence Stove Company, assignee: *See*—
Reeves, Herbert M.
- Florian, Gordon W., Trumbull, Conn., assignor to Hudson American Corporation, New York, N. Y. Marine radio telephone. 153,595, May 3.
- Florman, Irving, New York, N. Y. Cigarette lighter. 153,781, May 17.
- Florman, Irving, New York, N. Y. Cigarette lighter. 155,411, Oct. 4.
- Florman, Irving, New York, N. Y. Cigarette lighter. 155,981, Nov. 15.
- Florman, Irving, New York, N. Y. Cigarette lighter. 156,086, Nov. 22.
- Flowers, Henry F., Findlay, Ohio. Mine passenger car. 154,760, Aug. 9.
- Fogel, Abraham, Montreal, Quebec, Canada. Display box. 155,883, Nov. 8.
- Foley, Harold F., Brookline, Mass. Child's dish. 154,671, Aug. 2.
- Fomusa, Michael J. and P. W., said M. J. Fomusa, assignor to N. Fomusa, Chicago, Ill. Dispenser or the like. 156,498, Dec. 20.
- Fomusa, Nathan, assignee: *See*—
Fomusa, Michael J. and P. W.
- Fomusa, Peter W.: *See*—
Fomusa, Michael J. and P. W.
- Fontaine, Athanas J., assignor to Bendix Aviation Corporation, Detroit, Mich. Amphibian airplane. 155,281, Sept. 20.
- Fontaine, Jack, Glens Falls, assignor to Native Laces & Textiles, Incorporated, New York, N. Y. Lace. 154,844, Aug. 16.
- Fontaine, Jack, Glens Falls, assignor to Native Laces & Textiles, Incorporated, New York, N. Y. Lace. 154,845, Aug. 16.
- Foord, Frederick A., New York, N. Y., assignor to The Munising Paper Company, Chicago, Ill. Textile fabric or the like. 155,982, Nov. 15.
- Foose, Robert P., assignee: *See*—
Treiss, Herman G.
- Forbes, Duncan P., assignor to Gunite Foundries Corporation, Rockford, Ill. Wheel body. 154,761, Aug. 9.
- Ford, Eugene A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 156,224, Nov. 29.
- Foreman, Esther, Evansville, Ind. Baby panties. 152,606, Feb. 8.
- Forestier, Lucien, Corporation, assignee: *See*—
Meyer, Marthe.
- Forkapa, Milan R., East Cleveland, Ohio. Cradle telephone accessory. 154,762, Aug. 9.
- Forman, Sol, New York, N. Y. Tray or similar article. 152,874, Mar. 1.
- Form-Flex Foundations, Inc., assignee: *See*—
Levy, Samuel O.
- Forner, Peter C., Beltsville, Md., assignor of one-half to R. B. Taylor, Washington, D. C. Aviary perch. 153,272, Apr. 5.
- Fornicola, Beatrice, Rochester, N. Y. Spectacle frame. 154,672, Aug. 2.
- Forschner, Lucille M., East Cleveland, Ohio. Autograph book. 154,536, July 19.
- Forss, Frithiof P., Palos Heights, assignor to Skilsway, Inc., Chicago, Ill. Portable rotary drill unit or the like. 156,225, Nov. 29.
- Fortino, Thomas, Belleville, N. J. Television screen protector. 152,248, Jan. 4.
- Fortune, Harry E., Kansas City, Mo. Fish float. 156,087, Nov. 22.
- Foster, Charles H., assignor to Plastic Articles Co., Inc., New York, N. Y. Toy bank. 155,339, Sept. 27.
- Foster, Genevieve S., San Diego, Calif. Toy pilot model. 156,088, Nov. 22.
- Foster Grant Co., Inc., assignee: *See*—
Richards, Harry C.
- Ulrad, Bernard.
- Foster, James L.: *See*—
Klingens, Cornelius, and Foster.
- Fostoria Glass Company, assignee: *See*—
Bottomo, Edgar M.
- Heintze, Walter.
- Heintze, Walter T.
- Helms, Frank R.
- Sakier, George.
- Yutzey, Marvin G.
- Foulke, Louise M. J., Brooklyn, N. Y. Rocking chair. 152,333, Jan. 11.
- Foulke, Ted E., Lyndhurst, Ohio. Glass holder attachment for table edge. 154,468, July 12.
- Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Service cart for service stations and the like. 152,249, Jan. 4.
- Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Ceiling reel housing. 155,003, Aug. 30.
- Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for lubricating equipment. 153,782, May 17.

- Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for automotive lubrication equipment. 154,115, June 14.
- Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for lubricating equipment. 155,692, Oct. 25.
- Fox, Charles A., New York, N. Y. Combined billfold, key case, and coin purse. 153,930, May 31.
- Fox, Edward G., Sr.: *See*—
Campbell, Phillip, and Fox.
- Fox Products Company, assignee: *See*—
Medlar, Lewis A.
- Fox, Roy G., assignor to E & J Manufacturing Co., Glendale, Calif. Carriage for an oxygenator and resuscitator. 155,797, Nov. 1.
- Fox West Coast Theatres Corporation, assignee: *See*—
Chavalas, William.
- Fox, Wilfred R., assignor to Redmond Company, Inc., Owosso, Mich. Air blower. 152,778, Feb. 22.
- Frame, Rosalind K., Yemassee, S. C. Bottle. 152,875, Mar. 1.
- Franchi, Livio, Cicero, Ill. Venetian blind cleaner. 154,595, July 26.
- Francis, Lynn M., Detroit, Mich. Automobile carrying trailer. 153,931, May 31.
- Francis, Kurt, and V. Wince, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Glass plate for lighting fixtures. 152,250, Jan. 4.
- Frank, Samuel K., Wheeling, W. Va. Ash tray. 155,083, Sept. 6.
- Frank, William, assignee: *See*—
Levin, Gertrude.
- Frankel, G., assignee: *See*—
Baker, Robert F.
- Franken, Carl F., New York, N. Y. Novelty braid. 154,596, July 26.
- Franken, Carl F., New York, N. Y. Novelty braid. 154,597, July 26.
- Frankl, Ernest, New York, assignor to Stickless Corporation, Bronx, N. Y. Combined calendar and desk pad unit. 153,596, May 3.
- Franklin, Bob, Inc., assignee: *See*—
Brook, Franklin, and Wager.
- Franklin Company, The, assignee: *See*—
Klein, William H.
- Franklin, Ethel, assignor to Charles of the Ritz, Inc., New York, N. Y. Lipstick holder. 152,876, Mar. 1.
- Fraser, John H., Marietta, Ohio. Chair. 153,932, May 31.
- Frazier, Castelia M., assignee: *See*—
Frazier, Marion R., Jr.
- Frazier, Marion R., Jr., Delawanna, assignor to C. M. Frazier, Belleville, N. J. Combined bracket and gear case for package filling machines. 153,131, Mar. 22.
- Frazeur, Winfield S., Mason, Mich. Musical instrument. 153,273, Apr. 5.
- Frazeur, Winfield S., Mason, Mich. Musical instrument. 153,274, Apr. 5.
- Frazeur, Winfield S., Mason, Mich. Musical instrument. 153,275, Apr. 5.
- Frazeur, Winfield S., Mason, Mich. Musical instrument. 153,343, Apr. 12.
- Frederick, Robert E., New York, N. Y. Shoe or similar article. 154,469, July 12.
- Freedman, Bluma, and M. Farber, Los Angeles, Calif. Multiple compartment receptacle. 154,377, July 5.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 152,251, Jan. 4.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 153,132, Mar. 22.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 153,133, Mar. 22.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 153,134, Mar. 22.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,589, Oct. 18.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York County, N. Y. Coat. 155,590, Oct. 18.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,591, Oct. 18.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,592, Oct. 18.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,593, Oct. 18.
- Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,594, Oct. 18.
- Freedman, Robert: *See*—
Moore, Shelton H., and Freedman.
- Freller, Michael J., Jr., Bridgeport, Conn. Tie clasp or the like. 155,983, Nov. 15.
- Freitag, Byron E., Fort Wayne, Ind., assignor to General Electric Company. Cabinet for a bottle beverage cooling unit or similar article. 156,226, Nov. 29.
- French, Clayton C. D., assignee: *See*—
Crawford, Clarence E.
- French, Louise C., Washington, D. C. Animal feeding trough. 156,331, Dec. 6.
- Fresco, Jacque, Los Angeles, Calif. Tray or similar article. 154,763, Aug. 9.
- Friedman, Felix, Brooklyn, N. Y. Candlestick or similar article. 156,499, Dec. 20.
- Friedman, Harry K., New York, N. Y. Knife or similar article of flatware. 152,525, Feb. 1.
- Friedman-Lobel, Inc., assignee: *See*—
Lobel, Rudolph.
- Friedman, Michael, assignee: *See*—
Ellsworth, William M.
- Friedman, Theodore, New York, N. Y. Comb. 153,344, Apr. 12.
- Friedman, Theodore, New York, N. Y. Comb. 153,345, Apr. 12.
- Friedman, Theodore, New York, N. Y. Comb. 153,346, Apr. 12.
- Friedman, Theodore, New York, N. Y. Comb. 153,347, Apr. 12.
- Frisbie, William B., Oakland, Calif. Lamp standard or similar article. 155,340, Sept. 27.
- Frontier, Albert E., Des Plaines, Ill. Hurricane lamp. 154,258, June 28.
- Frontier Products Company, Inc., assignee: *See*—
Walters, Wilson H.
- Frumkes, Joseph, Harrison, N. Y. Coat. 152,464, Jan. 25.
- Frumkes, Joseph, Harrison, N. Y. Coat. 152,465, Jan. 25.
- Frumkes, Joseph, Harrison, N. Y. Coat. 152,466, Jan. 25.
- Frumkes, Joseph, Harrison, N. Y. Coat. 152,467, Jan. 25.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,135, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,136, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,137, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Coat. 153,138, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,139, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,140, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,141, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,142, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Suit. 153,143, Mar. 22.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,141, Sept. 13.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,142, Sept. 13.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,143, Sept. 13.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,693, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,694, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,695, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,696, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,697, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,698, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,699, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,700, Oct. 25.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,984, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,985, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,986, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,987, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,988, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,989, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,990, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,991, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,992, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Suit. 155,993, Nov. 15.
- Frumkes, Joseph, Harrison, N. Y. Coat. 155,994, Nov. 15.
- Frush, Genevive E., Los Angeles, Calif. Child's foldable chair. 153,870, May 24.
- Fuerst, Brooks D., Sylvania, Ohio, assignor to Bowman Dairy Company, Chicago, Ill. Bottle. 156,089, Nov. 22.
- Fukal, Alfred F., Cambridge, assignor to W. W. Welch Company, Cincinnati, Ohio. Window ventilator. 154,537, July 19.
- Fulkerson, Doran J.: *See*—
Kovacs, Stella, and Fulkerson.
- Fuller, Clarence W., Yonkers, N. Y. Closure cap. 154,378, July 5.
- Fuller, Clarence W., Yonkers, N. Y. Closure cap. 155,144, Sept. 13.
- Fuller, Clarence W., Yonkers, N. Y. Closure cap. 156,090, Nov. 22.
- Fuller, Paul M., Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Phonograph cabinet. 153,276, Apr. 5.
- Fuller, Paul M., Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Remote control selector cabinet for phonographs. 153,425, Apr. 19.
- Fuller, Paul M., Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Phonograph cabinet. 153,675, May 10.
- Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Electric organ. 155,282, Sept. 20.
- Fuller, Richard P., Los Angeles, assignor to Craftsmen's Guild, Hollywood, Calif. Transparency viewer. 154,764, Aug. 9.
- Fulton Company, The, assignee: *See*—
Riemann, Howard C.
- Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 154,379, July 5.
- Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 155,595, Oct. 18.
- Fusik, Joseph, assignee: *See*—
Barton, Edward.
- G-M Laboratories, Inc., assignee: *See*—
Palma, Joseph, Jr.
- G-N Tool & Engineering Co., assignee: *See*—
Neldner, Gilbert J.
- Gabriel Company, The, assignee: *See*—
Trebules, Victor.

- Gaertner, Fred J., Maplewood, N. J. Jewelry setting or similar article. 152,252, Jan. 4.
- Gaertner, Fred J., Maplewood, N. J. Jewelry setting or similar article. 152,253, Jan. 4.
- Gaertner, Fred J., Maplewood, N. J. Jewelry setting or similar article. 152,468, Jan. 25.
- Gaffield, Eli W., assignee: *See*—
Ruppert, Clarence J.
- Gaffield, Eli W., assignor of ten per cent to J. Shouse, Washington, D. C. Cycle saddle. 155,995, Nov. 15.
- Gainsbro, Margaret, Dallas, Tex. Combined motor vehicle service cabinet and table. 153,348, Apr. 12.
- Galashek, Karol, Seattle, Wash. Smoking pipe. 154,917, Aug. 23.
- Gallo, Michael S., Racine, Wis. Holder for eyeglasses. 152,254, Jan. 4.
- Galter, Oscar R., Chicago, Ill. Bottle opener. 153,349, Apr. 12.
- Gamsu, Sidney N.: *See*—
McCauley, Ernest G., and Gamsu.
- Gangbin, Irol G., Fresno, Calif. Lighting fixture. 153,597, May 3.
- Gangbin, Irol G., Fresno, Calif. Double cove lighting fixture. 153,598, May 3.
- Gangbin, Irol G., Fresno, Calif. Indirect lighting fixture. 155,283, Sept. 20.
- Ganine, Peter, Los Angeles, Calif. Floating toy. 153,426, Apr. 19.
- Ganine, Peter, Los Angeles, Calif. Toy horse. 153,512, Apr. 26.
- Ganine, Peter, Los Angeles, Calif. Toy lamb. 153,513, Apr. 26.
- Ganine, Peter, Los Angeles, Calif. Toy duck. 153,514, Apr. 26.
- Ganine, Peter, Los Angeles, Calif. Toy animal figure. 155,701, Oct. 25.
- Ganine, Peter, Los Angeles, Calif. Toy animal figure. 155,702, Oct. 25.
- Gannuscio, Philip J., Brooklyn, N. Y. Combined artificial fireplace, practice keyboard, and stool. 156,227, Nov. 29.
- Gapstur, Joseph M., and R. E. Long, Ashland, Ohio. Rubber play ball. 154,259, June 28.
- Gapstur, Joseph M., C. W. Ebert, and J. W. Booker, Ashland, Ohio. Rubber play ball. 154,260, June 28.
- Gardemeyer, Joseph S., San Francisco, Calif. Trolling spoon. 153,676, May 10.
- Gardiner, Carl W., Short Hills, assignor to Schnefel Bros. Corporation, Newark, N. J. Container for nail polish or similar article. 156,091, Nov. 22.
- Gardner, John A., Salisbury, N. C. Tombstone. 155,496, Oct. 11.
- Gargaro, Michael, Yeadon, and W. E. Jewell, Jr., Philadelphia, Pa. Double-decker folding tray. 153,144, Mar. 22.
- Garlinski, Michael, Thorold, Ontario, Canada. Tripod mounted flashlight. 152,956, Mar. 8.
- Garner, Earmon A., Key West, Fla. Tropical table lamp. 154,765, Aug. 9.
- Garson, Arthur, New York, N. Y., assignor to The Lovable Brassiere Co., Atlanta, Ga. Brassiere. 156,500, Dec. 20.
- Garrett, Robert W., Washington, D. C. Taxicab cruising lamp. 153,871, May 24.
- Garrett, Robert W., Washington, D. C. Taxicab cruising lamp. 153,872, May 24.
- Gaspari, Joseph, Rye, N. Y. Front for a spectacle frame. 155,596, Oct. 18.
- Gass, Max H., Chelsea, Mass. Combined toothbrush and dentifrice holder. 154,598, July 26.
- Gassaway, James S., West Los Angeles, Calif. Coin changer. 155,884, Nov. 8.
- Gates, Paul E., Danvers, Mass., assignor to Sylvania Electric Products Inc. Crystal diode. 156,501, Dec. 20.
- Gaudriot, Henri L., assignor to Teale Machine Company, Rochester, N. Y. Identification receptacle. 156,228, Nov. 29.
- Gaulke, John E., Milwaukee, Wis. Marking device for window screens, storm windows, or the like. 155,597, Oct. 18.
- Gaulke, John E., Milwaukee, Wis. Coin actuated recording bank. 155,798, Nov. 1.
- Gay, Margaret L., and A. M. Russell, Los Angeles, Calif. Hostess tray. 155,084, Sept. 6.
- Gearhart, Louis, Manhattan Beach, Calif. Drafting table or similar article. 155,799, Nov. 1.
- Geffner, Samuel H., New York, N. Y. Display box. 154,116, June 14.
- Geiser, Theodore F., Roselle, N. J. Fish lure. 152,526, Feb. 1.
- Gelb, Samuel E., Bronx, N. Y. Flatiron protector. 153,350, Apr. 12.
- Geldard, Alden, administratrix: *See*—
Geldard, Arthur W.
- Geldard, Arthur W., deceased, Hartford, Conn.; A. Geldard, administratrix. Drumstick. 152,877, Mar. 1.
- Geldhof, Peter E., assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Laundry machine or similar article. 153,515, Apr. 26.
- Gem Manufacturing Co., assignee: *See*—
Richman, Harry A.
- General Aniline & Film Corporation, assignee: *See*—
Coffman, Joe W., and Trump.
- General Electric Company, assignee: *See*—
Banever, Gilbert.
Bee Var, Arthur N., and Munz.
Freitag, Byron E.
Patten, Ray.
Wendt, Harry C., and Jordan.
Wesche, Arthur C.
- General Engineering & Manufacturing Company, assignee: *See*—
Schreiber, John H.
- General Foods Corporation, assignee: *See*—
Van Gestel, Henry A.
- General Mills, Inc., assignee: *See*—
Collura, Francesco, and Polivka.
Polivka, John N., and Collura.
- General Motors Corporation, assignee: *See*—
Anderson, Edmund E.
Earl, Harley J.
Lauer, Robert J.
Ross, Arthur A.
- General Time Corporation, assignee: *See*—
Dreyfuss, Henry.
- Gentle, Leo D., assignee: *See*—
Flint, Forest F.
- Georganta, George E., Muskegon, Mich. Combined compact key and money clip or the like. 153,677, May 10.
- George, Clifford D., Florence, S. C. Scoop spoon. 153,783, May 17.
- Geran, George P., and J. F. Toomey, New York, N. Y. Sunshade or similar article. 153,212, Mar. 9.
- Gerber, Albert J., University City, assignor to Gerber Plastic Company, St. Louis, Mo. Beverage bottle case. 153,277, Apr. 5.
- Gerber, Dale C.: *See*—
Binggely, Elmer C., and Gerber.
- Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Electric iron handle. 155,598, Oct. 18.
- Gerber Plastic Company, assignee: *See*—
Gerber, Albert J.
- Gerhardt, Walter P.: *See*—
Macree, John, and Gerhardt.
- Gerhart, Charles T., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Bar of soap. 154,766, Aug. 9.
- Gerlinger, Louis, Salem, Oreg. Sanding blocks. 152,607, Feb. 8.
- Gershun, Merton L., assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. 155,284, Sept. 20.
- Gerson, Samuel L., Millville, N. J. Combination kitchen tool. 155,412, Oct. 4.
- Gerth, William H.: *See*—
Allen, Grosvenor N., and Gerth.
- Gerth, William H., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 154,117, June 14.
- Gesten, Arthur, Newark, N. J. Tie clasp. 152,779, Feb. 22.
- Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Paper tester. 155,800, Nov. 1.
- Getgey, John J., assignor, by mesne assignments, to Empire Ironer, Inc., Cincinnati, Ohio. Portable ironer. 152,780, Feb. 22.
- Gettelman, Gilbert C., Hartford, Wis., assignor, by mesne assignments, to Hamilton Watch Company, Lancaster, Pa. Display sign. 153,784, May 17.
- Gettelman, Gilbert C., Hartford, assignor to Globe-Union Inc., Milwaukee, Wis. Combination spark plug cleaner and tester. 154,380, July 5.
- Gibson, Dorothy, assignor to Dorothy Gibson Perfumes Corp., New York, N. Y. Perfume bottle. 152,527, Feb. 1.
- Gibson, Dorothy, assignor to Dorothy Gibson Perfumes Corp., New York, N. Y. Perfume bottle. 152,608, Feb. 8.
- Gibson, Dorothy, Perfumes Corp., assignee: *See*—
Gibson, Dorothy.
- Gier, George E., Covington, Ky. Tire expanding tool. 152,781, Feb. 22.
- Gieseler, Russell W., Jamestown, N. Y. Mailbox. 154,470, July 12.
- Gifford, Arnold B., New York, N. Y. Shoe or similar article. 155,413, Oct. 4.
- Gifford, Donald P., Campaign, Ill. Planter lamp. 153,516, Apr. 26.
- Gile, Ivan H., assignee: *See*—
Burns, Wilfred H.
- Gilman, Louis, Boston, Mass. Lighting fixture. 156,332, Dec. 6.
- Gilmer, Oscar E.: *See*—
Maunde, Paul B., and Gilmer.
- Gilmore, Burdette B., Pelham Manor, assignor to West Disinfecting Company, Long Island City, N. Y. Liquid dispensing valve. 154,261, June 28.
- Gilmore, Edward K., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Gas meter. 155,145, Sept. 13.
- Gilmore, James J., Sanford, N. C. Chest. 153,933, May 31.
- Ginsberg, Charles: *See*—
Ginsberg, Harry and C.
- Ginsberg, Harry and C., Kansas City, Mo. Combined lamp and ozone generator. 154,471, July 12.
- Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubrication cabinet or the like. 153,517, Apr. 26.

- Giovagnoni, Violet, New York, N. Y. Negligee. 153,785, May 17.
- Giovagnoni, Violet, New York, N. Y. Negligee. 154,262, June 28.
- Girard Manufacturing Products, Inc., assignee: *See*—Robinson, Gerald C.
- Gish, Robert W., Napa, Calif. Combined salt and pepper shaker. 156,616, Dec. 27.
- Giuliana, Vincent, Springfield, Mass. Shelf for eyeglasses. 154,472, July 12.
- Givens, Dee R., Western Springs, Ill. Rattle. 153,571, Apr. 26.
- Gladstone, Clay A., Los Angeles, Calif. Flask. 153,786, May 17.
- Glaser, Crandell Co., assignee: *See*—Dykstra, Jacob.
- Glass, Arthur: *See*—Zovod, Irving H., and Glass.
- Glass Decorators Incorporated, assignee: *See*—Bass, Mervin A.
- Glass, Marvin, Chicago, Ill. Light bulb shade. 154,767, Aug. 9.
- Glass, Sheldon B., Chicago, Ill. Combined wrist watch case and band. 152,417, Jan. 18.
- Glenmore Distilleries Company, assignee: *See*—Kelley, Henry E., Jr.
- Glenwood Range Company, assignee: *See*—Hallward, Michael.
- Glidden, Arthur R., Seattle, Wash. Combined twin frying pan and griddle. 154,673, Aug. 2.
- Glitcher, Aaron, Chelsea, Mass. Suit. 155,599, Oct. 18.
- Globe Corporation, assignee: *See*—Stevens, Clifford B.
- Globe-Democrat Publishing Co., assignee: *See*—Thuernau, Henry A.
- Globe Oil Tools Company, assignee: *See*—Goodwin, John S.
- Globe-Union Inc., assignee: *See*—Gettelman, Gilbert C.
- Kling, Arnold G., and Marks.
- Youngbeck, Karl W., and Glueckstein.
- Glolite Corporation, The, assignee: *See*—Sundheim, Harry G., Jr.
- Gloria Gloves, Inc., assignee: *See*—Wiesenthal, Margaret.
- Gloversville Knitting Co., assignee: *See*—Lamb, Albert.
- Gluck, Jack, New York, N. Y. Textile fabric. 154,768, Aug. 9.
- Gluck, Jack, New York, N. Y. Textile fabric. 154,769, Aug. 9.
- Gluck, Jack, New York, N. Y. Textile fabric. 154,770, Aug. 9.
- Glueckstein, Henry J.: *See*—Youngbeck, Karl W., and Glueckstein.
- Gluhareff, Michael E., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter. 155,004, Aug. 30.
- Gluskin, William E., New York, N. Y. Shirt. 152,278, Apr. 5.
- Gluskin, William E., New York, N. Y. Shirt. 153,279, Apr. 5.
- Gochenour, Warren, Jr., St. Paul, Minn. Display case. 154,674, Aug. 2.
- Godart, Jean, Manhasset, assignor to Roberson Fabrics, Inc., New York, N. Y. Textile fabric or similar article. 154,599, July 26.
- Godart, Jean, Manhasset, assignor to Roberson Fabrics, Inc., New York, N. Y. Textile fabric or similar article. 154,600, July 26.
- Goddard, Rochelle E.: *See*—Staudt, James R., and Goddard.
- Godfrey, Charles, Philadelphia, Pa., assignor to C. Howard Hunt Pen Co., Camden, N. J. Pencil sharpener. 152,528, Feb. 1.
- Godfrey, Henry R., Gardner, Mass. Combined billfold, coin purse, keycase, and lipstick holder. 156,617, Dec. 27.
- Godfrey, Stella M., Sun Valley, Calif. Sleeping garment for infants. 156,502, Dec. 20.
- Godorov, David, Philadelphia, Pa. Dispensing beverage container. 153,145, Mar. 22.
- Goeller, Doris A., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Overshoe. 152,255, Jan. 4.
- Gogolick, Harry, Brooklyn, and E. Meyer, New York, N. Y. Lamp base. 152,609, Feb. 8.
- Gold, Pauline, Hillside, N. J. Clothespin bag or similar article. 154,200, June 21.
- Goldfarb, Samuel J., New York, N. Y. Dress. 156,618, Dec. 27.
- Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 156,229, Nov. 29.
- Goldberg, Charles K., Chicago, Ill. Hydraulic press. 156,333, Dec. 6.
- Goldberg, Charles K., Chicago, Ill. Hydraulic press. 156,334, Dec. 6.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,497, Oct. 11.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,498, Oct. 11.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,499, Oct. 11.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,500, Oct. 11.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,501, Oct. 11.
- Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,885, Nov. 8.
- Goldberg, Marvin Y., Brooklyn, assignor to Alphabest Products Corporation, New York, N. Y. Picture frame or the like. 153,787, May 17.
- Goldberg, Marvin Y., Brooklyn, assignor to Alphabest Products Corporation, New York, N. Y. Picture frame or the like. 153,788, May 17.
- Goldberg, Maurice, Paris, France. Flask. 154,263, June 28.
- Goldberg, Nathan C., New York, N. Y. Bedspring fabric. 152,957, Mar. 8.
- Goldberg, Paul, Brooklyn, N. Y. Handbag. 155,886, Nov. 8.
- Goldberg, Samuel, Detroit, Mich. Buffing wheel plate or similar article. 155,085, Sept. 6.
- Goldblatt, Joseph, New York, N. Y. Link chain for a bracelet, or similar article. 152,958, Mar. 8.
- Golden Embroidery Co., assignee: *See*—Golden, Maurice.
- Golden, Maurice, assignor to Golden Embroidery Co., Union City, N. J. Embroidered trimming or the like. 153,213, Mar. 29.
- Golden, Maurice, assignor to Golden Embroidery Co., Union City, N. J. Embroidered trimming or the like. 153,214, Mar. 29.
- Goldenstein, Murray, New York, N. Y. Combination lipstick casing and mirror. 155,414, Oct. 4.
- Goldfarb, Adolph, Chicago, Ill. Toy fowl. 155,086, Sept. 6.
- Goldfarb, Samuel J., New York, N. Y. Dress. 154,201, June 21.
- Goldfield, Edwin R., and R. C. Schiring, University Heights, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Housing for X-ray tube and blower. 153,789, May 17.
- Golding, Harry, Textile Corporation, assignee: *See*—Wayne, Phyllis.
- Goldman, Barney, New York, N. Y. Ruffled embroidered trimming. 154,601, July 26.
- Goldman, Barney, New York, N. Y. Ruffled embroidered trimming. 154,602, July 26.
- Goldman, Philip G., Pittsburgh, Pa. Stand of drawers. 154,264, June 28.
- Goldreich, Samuel: *See*—Marsh, Milton, Goldreich, and Farley.
- Goldreich, Samuel, assignor to Raymond Products, Inc., Middletown, Conn. Towel holder. 155,147, Sept. 13.
- Goldring, David M., Roslyn Heights, N. Y., assignor to Gruber Bros., Inc. Lens. 152,878, Mar. 1.
- Goldsmith, Max L., assignor of one-half to B. Newman, Brookline, Mass. Finger ring. 154,603, July 26.
- Goodall-Sanford Inc., assignee: *See*—Stensgaard, William L.
- Goodick, Melvin S., Somerville, Mass. Game board or similar article. 155,415, Oct. 4.
- Goodman, Ben, assignor to Greenmount Manufacturing Company, Inc., Baltimore, Md. Tire bulger. 155,887, Nov. 8.
- Goodman, Leon, Atlantic City, N. J. Doll. 156,230, Nov. 29.
- Goodman, Morris, Indianapolis, Ind. Jewelry setting. 152,469, Jan. 25.
- Goodman, Morris, Indianapolis, Ind. Gem setting. 156,092, Nov. 22.
- Goodner, Monroe H., Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J. Combination resuscitator, inhalator, and aspirator cabinet. 153,934, May 31.
- Goodrich, B. F., Company, The, assignee: *See*—Billingsley, William F.
- Kinzev, Albert F.
- Ofensend, Chase F.
- Goodwin, John S., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Mobile race control gate. 153,935, May 31.
- Goodwin, John S., Whittier, Calif., assignor to Globe Oil Tools Company. Mobile race control gate. 153,936, May 31.
- Goodwin, Wallace A.: *See*—Osgood, John H., and Goodwin.
- Gordenier, Robert E., assignor to Brown & Bigelow, St. Paul, Minn. Transparent display letter opener. 155,087, Sept. 6.
- Gordenier, Robert E., assignor to Brown & Bigelow, St. Paul, Minn. Memorandum sheet holder or the like. 155,888, Nov. 8.
- Gordon, Norman A., Oklahoma City, Okla. Collar point pin. 155,600, Oct. 18.
- Gorman, Chester J., West Bend, Wis. Fish lure. 152,256, Jan. 4.
- Gorman, Harry, Lawrence, assignor to Millbrook Manufacturing Corp., New York, N. Y. Textile fabric or similar article. 155,148, Sept. 13.
- Gossard, Wayne T., Los Angeles, Calif. Electrical plug connection. 155,149, Sept. 13.
- Gossard, Wayne T., Los Angeles, Calif. Electrical plug. 155,150, Sept. 13.
- Gossard, Wayne T., Los Angeles, Calif. Electrical wall plug. 155,151, Sept. 13.

- Gossard, Wayne T., Los Angeles, Calif. Electric plug connector. 155,502, Oct. 11.
- Gothé, David E., New York, N. Y. Dress. 155,341, Sept. 27.
- Gothé, David E., New York, N. Y. Dress. 155,416, Oct. 4.
- Gotliffe, Irving I., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Head for a floor lamp column. 153,146, Mar. 22.
- Gotliffe, Irving I., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Head for a floor lamp column. 153,518, Apr. 26.
- Gotliffe, Irving I., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Floor lamp base. 153,790, May 17.
- Gotliffe, Irving I., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Floor lamp base. 153,873, May 24.
- Gotliffe, Irving I., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Floor lamp base. 153,599, May 3.
- Gottlieb, David E., New York, N. Y. Dress. 155,703, Oct. 25.
- Gottlieb, Joseph, New York, N. Y. Combination tobacco humidior and pipe tray. 154,265, June 28.
- Gottschalk, Rose, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 154,118, June 14.
- Gottschalk, Rose, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 153,519, Apr. 26.
- Gottschalk, Rose, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 153,520, Apr. 26.
- Gould, Dudley M., New York, and A. E. Lewis, Brooklyn, N. Y. Pin receptacle. 152,257, Jan. 4.
- Gould, Henry, assignee: *See*—
Wende, Adolph H.
- Gould, Hugh B., Berwyn, assignor, by mesne assignments, to F. C. Kollath, Chicago, Ill. Electric connector. 152,258, Jan. 4.
- Gow, Arthur R., Hamden, and C. T. Manville, Woodbury, assignors to The Seamless Rubber Company, New Haven, Conn. Syringe. 155,889, Nov. 8.
- Gowland, John P., Santa Barbara, Calif. Nonmetallic casing for a writing instrument. 155,996, Nov. 15.
- Graboi, Michael, New York, N. Y. Baby's bottle holder or the like. 153,937, May 31.
- Grad, David, Company, assignee: *See*—
Kasoff, Daniel.
- Grady, Martin J., Chicago, Ill. Towel rack. 156,231, Nov. 29.
- Graf, John, Company, assignee: *See*—
Graf, Laurie O.
- Graf, Laurie O., Wauwatosa, assignor to John Graf Company, Milwaukee, Wis. Bottle. 152,959, Mar. 8.
- Graham, Clarence R., Palo Alto, Calif. Door handle. 154,381, July 5.
- Graham, Elizabeth N., New York, N. Y. Bottle or similar article. 152,685, Feb. 15.
- Graham, Elizabeth N., New York, N. Y. Display box. 152,960, Mar. 8.
- Graham, Elizabeth N., New York, N. Y. Display box. 153,280, Apr. 5.
- Graham, Elizabeth N., assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Cover of a container or the like. 153,521, Apr. 26.
- Graham, Elizabeth N., New York, N. Y. Bottle. 153,600, May 3.
- Graham, Elizabeth N., New York, N. Y. Combined eye shadow and rouge case. 153,938, May 31.
- Graham, Elizabeth N., New York, N. Y. Perfume display box. 154,266, June 28.
- Graham, Elizabeth N., New York, N. Y. Combined perfume bottle and receptacle. 155,005, Aug. 30.
- Grancell, Paul, Los Angeles, Calif. Cake turner. 156,503, Dec. 20.
- Grant, Foster, Co., Inc., assignee: *See*—
Bernstein, Milton W.
Ulvad, Bernard.
Watkins, Joseph R.
- Grant, Robert S., Providence, R. I. Drawing implement. 156,804, Dec. 20.
- Grassi, Louis, Los Angeles, Calif. Bib. 152,879, Mar. 1.
- Graven, Nettle E., Wooster, Ohio. Cookie jar or similar article. 152,470, Jan. 25.
- Gray, Clyde E., Fort Arthur, Tex. Houseboat. 156,232, Nov. 29.
- Gray, Richard I., Decatur, Ill. Combined ice-cream cabinet and soda fountain. 154,675, Aug. 2.
- Grayson Heat Control, Ltd., assignee: *See*—
Caparone, Michael J.
- Greatrex Ltd., assignee: *See*—
Gumbrill, Edgar F.
- Green, Daniel, Company, assignee: *See*—
Wood, Schuyler.
- Green, Edward H., Chicago, Ill. Toy airplane. 152,610, Feb. 8.
- Green, Louis F., assignee: *See*—
Conrad, Harry E.
- Green, Warren, Noroton Heights, Conn., and P. Schladermundt, Bronxville, assignors to Stratford Pen Corporation, New York, N. Y. Writing implement. 155,285, Sept. 20.
- Green, Warren B.: *See*—
Leffler, William S., and Green.
- Greenbaum, Bernard J., Weston, Conn. Textile fabric. 153,874, May 24.
- Greenberg, Fred, New York, N. Y. Dress. 153,427, Apr. 19.
- Greenberg, Fred, New York, N. Y. Dress. 153,428, Apr. 19.
- Greenberg, Fred, New York, N. Y. Dress. 153,429, Apr. 19.
- Greenberg, Fred, New York, N. Y. Dress. 153,430, Apr. 19.
- Greenbaum, Arthur, assignor to Academy Electrical Products Corp., New York, N. Y. Electrical cord plug. 156,505, Dec. 20.
- Greene, Clarence E., and D. Bradford, Detroit, Mich. Fish lure. 153,147, Mar. 22.
- Greene, Harry R., Pasadena, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Wall heater or similar article. 155,890, Nov. 8.
- Greene, Harry R., Pasadena, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Wall heater. 155,891, Nov. 8.
- Greene, Harry R., Pasadena, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Space heater or similar article. 156,619, Dec. 27.
- Greene Manufacturing Co., Inc., assignee: *See*—
Albert, Carl P., and Rocks.
- Greenmount Manufacturing Company, Inc., assignee: *See*—
Goodman, Ben.
- Greenstein, Julius, and H. Sack, New York, assignors to The Pen-Rite Corp., Flushing, N. Y. Desk pen unit. 155,152, Sept. 13.
- Greenstone, Henry S., Los Angeles, Calif. Advertising clock. 154,604, July 26.
- Greer, Albert R., assignee: *See*—
Thraillik, Orville W.
- Gregory, Louis, assignor to McMichael Radio Limited, London, England. Radio cabinet. 153,148, Mar. 22.
- Gregory, Louis, assignor to McMichael Limited, London, England. Combination radio and phonograph cabinet. 154,771, Aug. 9.
- Greiling, David J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerated self-service display case. 156,416, Dec. 13.
- Gresh, John J., Evergreen Park, Ill. Cross. 153,601, May 3.
- Greyhound Corporation, The, assignee: *See*—
Loewy, Raymond.
- Gries, Otto, New Rochelle, N. Y., assignor to Crown Fastener Corporation, Warren, R. I. Wing nut. 155,997, Nov. 15.
- Griffin, William, assignee: *See*—
Caskey, Gordon H.
- Griffith, Floyd P., Appalachia, Va. Pen and pencil clip. 154,035, June 7.
- Griggs-Wahlbom, Inc., assignee: *See*—
Wahlbom, Ernest T.
- Grillkhes, Anatol, assignor to Benrus Watch Company, Inc., New York, N. Y. Watch bezel. 155,601, Oct. 18.
- Grillkhes, Anatol, assignor to Benrus Watch Company, Inc., New York, N. Y. Watch bezel. 155,602, Oct. 18.
- Grillkhes, Anatol, assignor to Benrus Watch Company, Inc., New York, N. Y. Watch bezel. 155,603, Oct. 18.
- Grimes, Benjamin F., Stewart, Ohio. Tire. 155,006, Aug. 30.
- Grivin, Adolphe, New York, N. Y. Textile fabric. 154,918, Aug. 23.
- Grivin, Adolphe, New York, N. Y. Textile fabric. 154,919, Aug. 23.
- Groben, Robert, assignee, trustee: *See*—
Roggenstein, Edwin O.
- Grococff, Robert, New York, N. Y. Wall dispenser. 153,351, Apr. 12.
- Groen, Maurice T., New York, N. Y. Combination display package and ash tray. 152,880, Mar. 1.
- Groos, Eleanor, Mount Vernon, assignor of twenty-five per cent to M. Schaffer, twenty-five per cent to H. Schaffer, New York, N. Y., twenty-five per cent to A. Schuander and twenty-five per cent to R. Schuander, East Orange, N. J. Ring box or similar article. 156,335, Dec. 6.
- Grosfeld House, Inc., assignee: *See*—
Buckner, Anthony J.
- Gross, A. Edward, assignee: *See*—
Wheeler, Henry F.
- Gross, Jack, and P. Stern, Brooklyn, N. Y. Plastic film material. 155,153, Sept. 13.
- Gross, Muriel, New York, N. Y. Scarf or similar article. 153,281, Apr. 5.
- Grossman Music Company, assignee: *See*—
Thompson, Josephus.
- Grover, Frederic S., assignor to Fasco Industries, Inc., Rochester, N. Y. Floor fan. 155,801, Nov. 1.
- Grubb, Melvin R., and N. C., Mission, Kans. Kneeling hammock. 154,036, June 7.
- Grubb, Nerina C.: *See*—
Grubb, Melvin R. and N. C.
- Grubb, Robert K., assignor to On-A-Lite Corporation, Portland, Oreg. Socket for use with clip and light bulb. 153,678, May 10.
- Gruber Bros., Inc., assignee: *See*—
Goldring, David M.
- Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Writing instrument. 153,679, May 10.
- Gruen, Henry, New York, N. Y. Recessed type bathroom fixture. 155,503, Oct. 11.

- Gruen, Victor, Hollywood, Calif. Combined display stand and cabinet or similar article. 155,892, Nov. 8.
- Gruen, Victor, Hollywood, Calif. Display stand or similar article. 156,093, Nov. 22.
- Gruettner, Frank H., Buffalo, N. Y. Scrub bucket dolly. 153,791, May 17.
- Grun, Otto, New York, N. Y. Cuff link or similar article. 154,473, July 12.
- Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Cooking utensil. 152,961, Mar. 8.
- Grzeca, Joseph, Chicago, Ill. Combined ash tray and holder for matches and other articles. 155,998, Nov. 15.
- Grzeca, Joseph, Chicago, Ill. Combined wall type ash tray and holder for matches and other articles. 155,999, Nov. 15.
- Guerlain, Inc., assignee: *See*—
Brun, Pierre.
- Guerin, Jacques, Puteaux, France, assignor to D'Orsay Perfumeries Corporation, New York, N. Y. Bottle. 152,962, Mar. 8.
- Guild, Lurelle, New York, N. Y., and C. G. Towne, Pittsburgh, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Table. 152,686, Feb. 15.
- Guild, Lurelle, New York, N. Y., and C. G. Towne, Pittsburgh, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Table. 152,687, Feb. 15.
- Guild, Lurelle, New York, N. Y., and H. Landell, Philadelphia, Pa., assignors to Carrier Corporation, Syracuse, N. Y. Room cooler of the window type. 154,605, July 26.
- Guild, Lurelle, New York, N. Y., and C. G. Towne, Pittsburgh, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Cabinet. 154,920, Aug. 23.
- Guild, Lurelle V. A., Noroton, Conn. Push-button switch. 152,782, Feb. 22.
- Guild, Lurelle V. A., Noroton, assignor to Edwards and Company, Inc., Norwalk, Conn. Push-button switch. 154,676, Aug. 2.
- Guior, Armand M., assignor to Imperial Dania Silver Corp., New York, N. Y. Handle for table flatware. 154,037, June 7.
- Guior, Armand M., assignor to Imperial Dania Silver Corp., New York, N. Y. Bottle opener. 155,286, Sept. 20.
- Gulley, Hollie C., Los Angeles, Calif. Refrigerator tray for eggs or the like. 156,620, Dec. 27.
- Guise, Arthur B., and T. W. Johnson, assignors to Ansul Chemical Company, Marinette, Wis. Combined nozzle and control handle for dry chemical fire extinguisher. 152,611, Feb. 8.
- Guise, Arthur B., and T. W. Johnson, assignors to Ansul Chemical Company, Marinette, Wis. Portable hand fire extinguisher. 152,612, Feb. 8.
- Gullen, James J., assignor to Rochester Optical Manufacturing Co., Inc., Rochester, N. Y. Semirimless spectacle front. 154,538, July 19.
- Gulley, Ralph G., assignor to Revlon Products Corporation, New York, N. Y. Bottle. 153,792, May 17.
- Gumbrill, Edgar F., Walsall, England, assignor to Greatrex Ltd., New York, N. Y. Handbag. 154,119, June 14.
- Gunderson, Ralph R., Chicago, Ill. Highway reflector signal. 155,417, Oct. 4.
- Gunite Foundries Corporation, assignee: *See*—
Forbes, Duncan P.
- Gunther, Frederick F., assignor to Helmeo, Inc., Chicago, Ill. Beverage dispenser or similar article. 153,939, May 31.
- Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,259, Jan. 4.
- Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,260, Jan. 4.
- Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,261, Jan. 4.
- Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,262, Jan. 4.
- Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,263, Jan. 4.
- Gustafsson, Eric, and J. W. Baur, assignors to Binks Manufacturing Company, Chicago, Ill. Antioffset dry powder gun or the like. 155,504, Oct. 11.
- Gustin, Nelson D., East Palo Alto, E. W. Hartung, San Mateo, and M. A. Selo, Oakland, Calif. Drive-in restaurant or the like. 155,505, Oct. 11.
- Gutschneider, Jack, Mount Vernon, N. Y. Watchcase. 155,506, Oct. 11.
- Haas Corporation, assignee: *See*—
Haas, Paul C.
- Haas, Emil, assignee: *See*—
Wende, Adolph H.
- Haas, Martin A., Hollywood, Calif. Amalgam expresser. 153,283, Apr. 5.
- Haas, Paul C., assignor to Haas Corporation, Mendon, Mich. Flashlight case. 153,282, Apr. 5.
- Haase, Lawrence H., Evansville, Ind., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine. 153,680, May 10.
- Habel, George H., Detroit, Mich. Fish lure. 154,606, July 26.
- Haberman, James C.: *See*—
Nathan, Jerome, and Haberman.
- Hack, D. F., Inc., assignee: *See*—
Hack, David F.
- Hack, David F., assignor to D. F. Hack, Inc., Danbury, Conn. Fire extinguisher. 154,772, Aug. 9.
- Hacker, Warren E.: *See*—
McCay, George B., and Hacker.
- Hadley Company, Incorporated, The, assignee: *See*—
Ingleby, George A.
- Hadley, Donald L., Meriden, Conn., and F. S. Barron, Washington, D. C., assignors to Westinghouse Electric Corporation. Electric heater. 152,963, Mar. 8.
- Hadley, Donald L., Meriden, Conn., and F. S. Barron, Washington, D. C., assignors to Westinghouse Electric Corporation. Electric heater. 152,964, Mar. 8.
- Hadley, Donald L., Meriden, C. B. Ryder, Huntington, and N. F. Pedersen, New Hartford, Conn., assignors to The Baldwin Locomotive Works, Eddystone, Pa. Locomotive body. 154,120, June 14.
- Haegert, Clarence B., Coffeyville, Kans. Earring attachment device. 153,681, May 10.
- Haffner, John W., Culver City, Calif. Holder for upper bowl of vacuum coffee brewing devices. 154,921, Aug. 23.
- Haffner, John W., Culver City, Calif. Holder for upper bowl of vacuum coffee brewers. 154,922, Aug. 23.
- Haft, Morris W., & Bros., Inc., assignee: *See*—
Burell, Arnold.
Cohen, Sidney.
Freedman, Jules.
Goldberg, Harry.
- Hageman, Frank P., V. I. Mora, and H. C. Richardson, assignors to Duncan Storm Ltd., Inc., Minneapolis, Minn. Combination container for cosmetics and closure therefor. 153,793, May 17.
- Hager, Floyd D., Council Bluffs, Iowa. Chair. 153,875, May 24.
- Hagerstown Leather Co., The, assignee: *See*—
Thomas, Harry I.
- Haggstrom, Arthur C., Rockford, Ill., assignor to H. L. Baumgardner Corporation. Portable electric lamp. 153,682, May 10.
- Hagstrom, Jerome E.: *See*—
Johnson, Elmer C., and Hagstrom.
- Hahn, Arthur: *See*—
Cushing, George W., and Hahn.
- Hainke, Paul W., Hutchinson, Kans. Power lawn mower. 154,474, July 12.
- Halbach, Robert W. F., Jr., Quincy, Ill. Novelty gift package. 154,846, Aug. 16.
- Halbritter, Percy H., Los Angeles, Calif. Slide viewer. 153,602, May 3.
- Haldon Manufacturing Co., Incorporated, assignee: *See*—
Storm, Frederick K., Jr., and Daniels.
- Haley, John B.: *See*—
Raskob, Robert P., and Haley.
- Hallander, Elvin E.: *See*—
Schladermundt, Peter, and Metzler, and Hallander.
- Hallward, Michael, Boston, Mass., assignor to Bendix Aviation Corporation, Baltimore, Md. Indicating panel or similar article. 156,094, Nov. 22.
- Hallward, Michael, Swampscott, assignor to Glenwood Range Company, Taunton, Mass. Range. 152,264, Jan. 4.
- Halpern, Milton M., New York, N. Y. Hosiery display device. 152,529, Feb. 1.
- Halset, Christ J., Chicago, Ill. Ice-cream cup. 153,352, Apr. 12.
- Halvorsen, Olaf, Jacksonville, Fla. Stamping machine. 155,154, Sept. 13.
- Ham, Donald F., assignor to Chicago Streamlite Corporation, Chicago, Ill. Combined table, sink, stove, and cabinet unit for vehicle trailer. 154,038, June 7.
- Haman, Ralph W.: *See*—
Murphy, Frank L., and Haman.
- Haman, Ralph W., Flossmoor, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car body. 153,603, May 3.
- Haman, Ralph W., Flossmoor, and S. W. Kay, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway lounge vehicle. 154,773, Aug. 9.
- Hameister, Harold L., Keyport, N. J., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm fore end. 156,336, Dec. 6.
- Hamer, Leland S., Long Beach, Calif. Line blinding L-fitting. 154,475, July 12.
- Hamilton, Conrad D.: *See*—
Niederhausen, William, and Hamilton.
- Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Napkin or similar article. 155,604, Oct. 18.
- Hamilton, Lois R., Los Angeles, Calif. Maternity garter support. 154,539, July 19.
- Hamilton Metal Products Company, The, assignee: *See*—
Piker, Herbert M.
- Hamilton, Paul B., Birmingham, Ala. Paper napkin holder. 153,683, May 10.
- Hamilton Products, Inc., assignee: *See*—
Strang, Clarence G.

- Hamilton Watch Company, assignee: *See*—
Gottelman, Gilbert C.
- Hammer, George E., Chicago, Ill. Fishing reel. 156,337, Dec. 6.
- Hammer, John J., Detroit, Mich. Retractable sign. 153,604, May 3.
- Hammon, George L., Berkeley, assignors to National Welding Equipment Co., San Francisco, Calif. Gas pressure regulator. 153,063, Mar. 15.
- Hammon, George L., Berkeley, assignor to National Welding Equipment Co., San Francisco, Calif. Gas pressure regulator. 153,064, Mar. 15.
- Hammond, Harry S., Garden City, N. Y. Clothes hanger. 152,688, Feb. 15.
- Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Motorcycle saddle bag. 152,530, Feb. 1.
- Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Embossed belt. 155,418, Oct. 4.
- Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Embossed belt. 155,419, Oct. 4.
- Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Embossed belt. 155,420, Oct. 4.
- Hamre, Marion R., Oceanside, N. Y. Fabric. 152,531, Feb. 1.
- Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,532, Feb. 1.
- Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,533, Feb. 1.
- Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,534, Feb. 1.
- Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,535, Feb. 1.
- Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 154,267, June 28.
- Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 154,268, June 28.
- Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 154,269, June 28.
- Hand, Thomas L., assignor to Balcrank, Inc., Cincinnati, Ohio. Lubricator cabinet. 156,621, Dec. 27.
- Haney, Myron L., Evanston, Ill. Combined bowling ball and shoe carrier. 155,155, Sept. 13.
- Hange, George N., Chicago, Ill. Candy box or the like. 153,215, Mar. 29.
- Hankscraft Company, assignee: *See*—
Chapman, David.
- Hannifin Corporation, assignee: *See*—
Peterson, Ellwood G.
- Hansen, George H., Mission, Kans., G. J. Schroer, Kansas City, Mo., and C. J. Curtis, Overland Park, Kans., assignors to C. E. Hovey, Kansas City, Mo., trustee. Therapeutic cabinet. 153,794, May 17.
- Hansen, George H., Jr., Kansas City, Kans., assignor, by mesne assignments, to The Vendo Company, Kansas City, Mo. Beverage vending machine. 155,802, Nov. 1.
- Hansen, Julius E., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass lens. 153,216, Mar. 29.
- Hansen, Lucille E., Evanston, assignor to Hanson Scale Company, Chicago, Ill. Bathroom scale. 156,000, Nov. 15.
- Hansen, William M., Niles, Mich. Timepiece dial. 153,217, Mar. 29.
- Hanson, Eugene I., New York, N. Y. Textile fabric or similar article. 152,613, Feb. 8.
- Hanson, Eugene I., New York, N. Y. Textile fabric or similar article. 152,614, Feb. 8.
- Hanson, Frank D., Independence, Mo., and D. D. Arehart, and R. T. Dittmer, assignors to Palace Corporation, Flint, Mich. Traller. 152,334, Jan. 11.
- Hanson, Frank D., Independence, Mo., and D. D. Arehart, and R. T. Dittmer, assignors to Palace Corporation, Flint, Mich. Traller. 152,335, Jan. 11.
- Hanson Scale Company, assignee: *See*—
Hansen, Lucille E.
- Harback Manufacturing Company, assignee: *See*—
Backer, Wesley H.
- Harbert, Otis D., Covina, Calif. Weather vane. 152,615, Feb. 8.
- Harkless, Merl J., Syracuse, assignor to Liberty Coach Company, Inc., Bremen, Ind. Combination boat and land vehicle body. 154,847, Aug. 16.
- Harland, John H., assignor to John H. Harland Company, Atlanta, Ga. Safety paper or article of similar nature. 155,156, Sept. 13.
- Harland, John H., Company, assignee: *See*—
Harland, John H.
- Harman, Abbot A., New York, N. Y. Combined watch and bracelet. 154,121, June 14.
- Harman, Edwin W., Columbus, Ohio. Night lamp or similar article. 154,540, July 19.
- Harmon, Herbert H., assignor to Eastman Kodak Company, Rochester, N. Y. Flashholder. 155,007, Aug. 30.
- Harmon, Hubert P., Jr., Mexico City, Mexico. Currency clip. 156,622, Dec. 27.
- Harmon, Hubert P., Jr., Mexico City, Mexico. Currency clip. 156,623, Dec. 27.
- Harnish, Ray C., Ontonagon, Mich. Garment hanger fixture. 155,893, Nov. 8.
- Harrington, King A., San Francisco, Calif. Charm or similar article. 153,795, May 17.
- Harris, George K., Jr., Detroit, Mich., assignor to National Steel Corporation. Building. 152,965, Mar. 8.
- Harris, George K., Jr., Detroit, Mich., assignor to National Steel Corporation. Building. 152,966, Mar. 8.
- Harris, Herschel G., New York, and F. S. Weisgerber, Fishkill, assignors to New York Rubber Corporation, New York, N. Y. Inflatable boat. 154,774, Aug. 9.
- Harris, Joseph H.: *See*—
Dern, Joseph, and Harris.
- Harrison, Meyer: *See*—
Korman, Samuel B., and Harrison.
- Harrison, Monroe, Chicago, Ill. Fruit juice mixer and dispenser. 156,417, Dec. 13.
- Harter Corporation, assignee: *See*—
Penchoen, Henry A.
- Hartford Products Corporation, The, assignee: *See*—
Muller-Munk, Peter.
- Hartford Textile Corporation, assignee: *See*—
Mack, Joseph.
Magid, Robert P.
- Hartley, Emmett C., Euclid, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Floor waxer. 152,616, Feb. 8.
- Hartmann Company, assignee: *See*—
Barton, George G.
- Hartnett, Paul L., Leominster, Mass. Pair of scissors. 152,471, Jan. 25.
- Hartung, Earl W.: *See*—
Gustin, Nelson D., Hartung, and Selo.
- Harvey, Harold B., Carmel, N. Y. Radiator grill guard. 153,149, Mar. 22.
- Harvey, James W., Lakeville, Conn. Combined frame and handle for fish nets. 155,605, Oct. 18.
- Haskell Manufacturing Co., Inc., assignee: *See*—
Maynard, Harold B., and Puntun.
- Hastert, Harley G.: *See*—
Johnson, Theodore W., and Hastert.
- Hatfield, David D., Los Angeles, assignor to Dansco Corporation, Santa Monica, Calif. Photographic exposing, developing, and printing apparatus. 155,507, Oct. 11.
- Hatfield, Jay J., Asbury Park, N. J. Magnetic desk name plate. 155,421, Oct. 4.
- Hatlie, Andrew O., Grand Forks, N. Dak. Railroaders' cap. 152,265, Jan. 4.
- Hauser, George: *See*—
Hauser, George R. and George.
- Hauser, George R. and George, Garfield Heights, Ohio. Fishing rod and reel. 155,704, Oct. 25.
- Hawkins, Albert E., Ottawa, Ontario, Canada. Container for cigarettes and like cylindrical objects. 154,677, Aug. 2.
- Hawes, Albert H., Erdington, Birmingham, assignor to Kwikform Limited, Birmingham, England. Hacking tool. 155,287, Sept. 20.
- Hawes, Patricia A., Orange, Calif. Doll. 153,522, Apr. 26.
- Hawkinson, Bertil E., Duluth, Minn. Bird house. 152,472, Jan. 25.
- Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 153,431, Apr. 19.
- Hawkinson, Paul E. Company, assignee: *See*—
Hawkinson, Paul E.
- Hawn, Clarence L., St. Paul, Minn. Holder for brooms or the like. 154,270, June 28.
- Hawthorne, Joan, Watertown, assignor to Stern Made Dress Co., Boston, Mass. Maternity jacket. 156,095, Nov. 22.
- Haynes, Mabel I., Rockford, Ill. Doll house. 156,001, Nov. 15.
- Hays, Nelson J., Burbank, Calif. Fence panel. 153,876, May 24.
- Heck, John T.: *See*—
Du Mais, Leo T., and Heck.
- Heck, John T., Elmhurst, and L. J. Du Mais and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Portable picture screen base. 152,536, Feb. 1.
- Heck, John T., Elmhurst, and L. J. Du Mais and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Portable picture screen. 152,537, Feb. 1.
- Heck, John T., Elmhurst, and L. J. Du Mais and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Combined cap and latch for screen holder. 152,538, Feb. 1.
- Hedlund, Le Roy A., Marshalltown, Iowa. Combined child's wagon and protecting cover. 155,894, Nov. 8.
- Hedrick, Leander W., assignee: *See*—
Maunde, Paul B., and Gilmer.
- Hedstrom-Union Company, assignee: *See*—
Regan, Frederick T.
- Hefferan, Robert F., assignor to Winters & Crampton Corporation, Grand Rapids, Mich. Stove handle. 153,796, May 17.
- Heflier-Louiche, Serge, assignor to Societe a Responsabilite Limitee Parfums Christian Dior, Paris, France. Bottle. 156,002, Nov. 15.

- Heftler-Louiche, Serge, assignor to Societe A Responsabilite Limitee Parfums Christian Dior, Paris, France. Illuminable display box. 156,096, Nov. 22.
- Heftler-Louiche, Serge, assignor to Societe a Responsabilite Limitee Parfums Christian Dior, Paris, France. Box. 156,506, Dec. 20.
- Heftler-Louiche, Serge, assignor to Societe a Responsabilite Limitee Parfums Christian Dior, Paris, France. Combined atomizer and container. 156,507, Dec. 20.
- Heiber, William G. and W. J., Brighton, N. Y. Shoe. 154,541, July 19.
- Heiber, William J.: *See*—
Heiber, William G. and W. J.
- Heider, Theodore P., East Orange, N. J. Combined toy bank and music box. 156,624, Dec. 27.
- Heidrich, Gustav, Detroit, Mich. Ash tray or similar article. 153,523, Apr. 26.
- Heidrich, Stephen: *See*—
Hoffmann, Kim, and Heidrich.
- Heifenbein, Richard C.: *See*—
Zabel, William C. P., and Helfenbein.
- Heim, Jacob G., San Gabriel, Calif. Guard for child's chair. 154,271, June 28.
- Heim, Jacob G., San Gabriel, Calif. Tray for child's chair. 154,272, June 28.
- Heim, Jacques, Paris, France. Bottle. 152,473, Jan. 25.
- Heim, Jacques, Paris, France. Display box. 153,797, May 17.
- Heimbürger, Douglas D., Beverly Hills, Calif. Spraying device. 155,508, Oct. 11.
- Heimerl, Elmsmer M.: *See*—
Watkins, Harold A., and Heimerl.
- Heinemann, Edward H., and L. J. Devlin, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 154,273, June 28.
- Heintz, William D., Galloway, Ohio. Game board. 154,678, Aug. 2.
- Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Ash tray. 152,474, Jan. 25.
- Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick. 152,967, Mar. 8.
- Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Combined candle holder and epergne. 153,065, Mar. 15.
- Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl. 155,895, Nov. 8.
- Heinze, John O., Bessemer, Ala. Toy automobile. 155,606, Oct. 18.
- Heisey, A. H., & Company, assignee: *See*—
Heisey, T. Clarence.
King, Horace.
- Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass tumbler or article of similar nature. 153,432, Apr. 19.
- Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Footed epergne or article of similar nature. 156,097, Nov. 22.
- Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Sandwich plate or article of similar nature. 156,508, Dec. 20.
- Helander, Lillian M., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 153,684, May 10.
- Helicopter Engineering and Construction Corporation, assignee: *See*—
Lemont, Harold E., Jr.
- Helote, George C., Oakland, Calif. Soap holder. 154,923, Aug. 23.
- Hellberg, Carl W., Chicago, Ill. Combined coffee brewer cover and stand. 155,288, Sept. 20.
- Heller, George P., Kansas City, Mo. Combination ramp identification and driveway flood light for drive-in theatres or the like. 154,274, June 28.
- Helmco, Inc., assignee: *See*—
Gunther, Frederick F.
- Helmey, Leo P.: *See*—
Pedersen, Sven, and Neumayer and Helmey.
- Helms, Frank R., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate. 156,625, Dec. 27.
- Helms Industrial Development Company, assignee: *See*—
Browne, Martin, Helms, and Tungett.
Helms, Laurence C., and Travis R., and Tungett.
- Helms, Laurence C. and T. R., and G. Tungett, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Automobile grille guard. 155,607, Oct. 18.
- Helms, Travis: *See*—
Browne, Martin, Helms, and Tungett.
- Helms, Travis R.: *See*—
Helms, Laurence C. and T. R., and Tungett.
- Henderson, Irie P., Burlingame, Calif. Hamburger pattie forming device. 155,422, Oct. 4.
- Henderson, Robert, Summit, N. J. Selective index or similar article. 154,848, Aug. 16.
- Henkel, A., Manufacturing Corp., assignee: *See*—
Henkel, August.
- Henkel, Andrew L., Chicago, Ill. Pot and pan handle. 152,539, Feb. 1.
- Henkel, Andrew L., Chicago, Ill. Hose nozzle. 153,685, May 10.
- Henkel, August, assignor to A. Henkel Manufacturing Corp., Keene, N. H. Cuticle clipper or similar article. 156,233, Nov. 29.
- Henn, Robert P., Cleveland, Ohio. Album holder. 152,689, Feb. 15.
- Herman, Leonard W., Philadelphia, Pa. Perfume bottle or the like. 155,008, Aug. 30.
- Herpe, Mervin E.: *See*—
Surkin, Jerry M., and Herpe.
- Herrera, Mauro, Hollywood, Calif. Container for liquid cosmetics. 153,353, Apr. 12.
- Hershey Mfg. Co., assignee: *See*—
Hershey, Orville S.
- Hershey, Orville S., Evanston, assignor to Hershey Mfg. Co., Chicago, Ill. Electric scalp brush or the like. 154,542, July 19.
- Hertz, Henry C., Jackson, Mich., assignor to The Dial-Writer Company, Toy typewriter. 154,849, Aug. 16.
- Hertzberg, H., & Son, Inc., assignee: *See*—
Hertzberg, Ira.
- Hertzberg, Ira, Yonkers, assignor to H. Hertzberg & Son, Inc., New York, N. Y. Display rack. 155,509, Oct. 11.
- Hertzler, Frederick W., Detroit, assignor to Argus, Incorporated, Ann Arbor, Mich. Projector. 154,775, Aug. 9.
- Hertzler, Frederick W., Detroit, assignor to Argus, Incorporated, Ann Arbor, Mich. Camera. 154,850, Aug. 16.
- Hess, Donald E., Seattle, Wash. Hair test board. 155,510, Oct. 11.
- Hess, Lester L., New York, N. Y. Brooch or similar article. 152,783, Feb. 22.
- Hettrick Manufacturing Company, The, assignee: *See*—
Smith, Milton B.
Smith, William I.
- Heward, Frederick R., Burlingame, Calif. Tilting support for photographic cameras or the like. 152,540, Feb. 1.
- Hewitt, David, New York, N. Y. Electric table lamp. 153,605, May 8.
- Herlett, Thomas H., Bloomfield Township, Oakland County, Mich., assignor to National Steel Corporation. Building. 152,968, Mar. 8.
- Heyn, Norman F., Wethersfield, Conn. Bathroom fixture. 154,476, July 12.
- Heyn, Norman F., Wethersfield, Conn. Combination washcloth and towel rack. 154,679, Aug. 2.
- Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 153,354, Apr. 12.
- Heyman, Robert E., Newark, N. J., assignor to The Linde Air Products Company. Fluid pressure gauge panel. 153,218, Mar. 29.
- Heyman, Robert E., Newark, N. J., assignor to The Linde Air Products Company. Fluid pressure regulator. 153,219, Mar. 29.
- Hickey, Eve B., Mill Valley, Calif. Eyelash curler. 155,157, Sept. 13.
- Hickok Manufacturing Co. Inc., assignee: *See*—
Vaisey, Harold C.
- Higgins, Joseph C., Chicago, Ill. Combination table and foldable benches. 152,784, Feb. 22.
- Higginson, George J., Mount Vernon, assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y. Plate or similar article. 155,423, Oct. 4.
- Higgs, Melvin, Pomona, and J. W. Crall, Los Angeles, Calif. Chair-arm tray. 153,940, May 31.
- High, Fred R., assignor to T. J. Holmes Co., Inc., Attleboro, Mass. Bottle. 152,969, Mar. 8.
- High, Fred R., assignor to T. J. Holmes Co., Inc., Attleboro, Mass. Bottle. 154,477, July 12.
- High, Fred R., assignor to T. J. Holmes Co., Inc., Attleboro, Mass. Bottle. 154,478, July 12.
- High, Fred R., assignor to T. J. Holmes Co., Inc., Attleboro, Mass. Bottle. 154,479, July 12.
- High, Fred R., assignor to T. J. Holmes Co., Inc., Attleboro, Mass. Bottle. 154,480, July 12.
- High, Fred R., assignor to T. J. Holmes Co., Inc., Attleboro, Mass. Bottle. 154,481, July 12.
- High, Fred R., Attleboro, Mass. Bottle. 155,803, Nov. 1.
- Higier, Julius A., Johnstown, N. Y. Glove. 156,237, Nov. 29.
- Higier, Ross H., Johnstown, N. Y. Glove. 155,003, Nov. 15.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,004, Nov. 15.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,005, Nov. 15.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,006, Nov. 15.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,007, Nov. 15.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,098, Nov. 22.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,099, Nov. 22.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,100, Nov. 22.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,101, Nov. 22.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,102, Nov. 22.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,103, Nov. 22.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,104, Nov. 22.

- Higier, Ross H., Johnstown, N. Y. Glove. 156,105, Nov. 22.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,234, Nov. 29.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,235, Nov. 29.
- Higier, Ross H., Johnstown, N. Y. Glove. 156,236, Nov. 29.
- Hilby, William E., Indianapolis, Ind. Bill container. 153,606, May 3.
- Hilby, William E., Indianapolis, Ind. Bill container. 153,607, May 3.
- Hileman, Keil E., Overland Park, Kans., assignor to National Metal Products Company, Kansas City, Mo. Mowing machine. 153,608, May 3.
- Hilf, Hyman, New York, N. Y. Handbag. 155,608, Oct. 18.
- Hilger, William P., St. Cloud, Minn. Floor sander. 154,851, Aug. 16.
- Hill, Emil H., Chicago, Ill. Hunting knife. 154,482, July 12.
- Hill, Herbert W., San Francisco, Calif. Boxlike container or similar article. 153,284, Apr. 5.
- Hill, N. N., Brass Company, The, assignee: *See*—Hill, Wyman N.
- Hill, Wyman N., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Bicycle bell. 152,418, Jan. 18.
- Hillard, Thomas K., Oakland, Calif. Toy vehicle. 152,785, Feb. 22.
- Hillgren, Carl A., Los Angeles, Calif. Door lock case. 155,158, Sept. 13.
- Hillman, Lee H., Fort Wayne, Ind. Beverage pot. 155,424, Oct. 4.
- Hinderer, Gottlob, assignor to Price-Pfister Mfg. Co., Los Angeles, Calif. Valve handwheel or similar article. 153,285, Apr. 5.
- Hines, Albert R., Columbus, Ga. Garden tool. 154,680, Aug. 2.
- Hinkle, Geraldine, San Francisco, Calif. Clothing display rack. 153,686, May 10.
- Hinkson, Clair L., assignor to Hinkson Mfg. Co., Seattle, Wash. Fishing line sinker or the like. 153,798, May 17.
- Hinkson Mfg. Co., assignee: *See*—Hinkson, Clair L.
- Hippman, Albert J., assignor to Production Pattern Company, Dolton, Ill. Transplanting trowel. 153,355, Apr. 12.
- Hipsley, Jerome A., Albany, Calif. Toothbrush and glass holder. 154,483, July 12.
- Hirsch, Joseph C.: *See*—Hirsch, Irving L. and J. C.
- Hirsch, Irving L., Englewood, N. J., and J. C. Hirsch, New York, N. Y. Handle for cutlery or the like. 154,852, Aug. 16.
- Hirsch, Richard V., South Gate, Calif. Yo-yo toy. 152,970, Mar. 8.
- Hirshfield, Stella J., New York, N. Y. Lamp. 152,336, Jan. 11.
- Hitchcock, Richard E., Birmingham, Mich., assignor to The Brush Development Company, Cleveland, Ohio. Phonograph pickup. 154,853, Aug. 16.
- Hoag, Roderick W., Melrose, Mass. Ash tray. 153,687, May 10.
- Hoag, Roderick W., Melrose, Mass. Shaker package. 154,682, Aug. 2.
- Hobar Corporation, assignee: *See*—Baron, Leonard.
- Hobbs, Charles B., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Electric pop corn popper. 154,484, July 12.
- Hobbs, Frank, assignor to The Colotrym Company, Seattle, Wash. Display rack for molding and trimming strips. 155,705, Oct. 25.
- Hobé, William W., New York, N. Y. Necklace. 152,337, Jan. 11.
- Hobé, William W., New York, N. Y. Brooch or similar article. 152,541, Feb. 1.
- Hochner, Alex., New York, N. Y. Bag or like receptacle. 153,799, May 17.
- Hochner, Alex., assignor to Mark Cross Company, New York, N. Y. Handbag. 154,485, July 12.
- Hockery, John C., assignee, trustee: *See*—Travis, Albert M.
- Hodge, G. Howard, New York, N. Y. Hat. 155,159, Sept. 13.
- Hodges, Leslie L.: *See*—Lord, Albert B., and Hodges.
- Hodgman, Clare E., Tuckahoe, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 153,433, Apr. 19.
- Hoeckele, Anton, Providence, R. I., assignor to Clark & Coombs Company. Ring or similar article. 154,039, June 7.
- Hoeckele, Karl F., Newark, N. J., assignor to Eastern Jewelry Finding Works, Inc. Ear clip finding. 153,800, May 17.
- Hoelzer, William F., Greensburg, Pa. Tire. 153,434, Apr. 19.
- Hoffeditz, Aaron H., Sacramento, Calif. Glow lamp. 153,801, May 17.
- Hoffmann, Jakob A.: *See*—Preis, Martin H., and Hoffmann.
- Hofmann, Maximilian P.: *See*—Sallot, Bernard M., and Hofmann.
- Hoffmann, Karl C., Rutherford, N. J., assignor to Simmons Company, New York, N. Y. Bedspread or the like. 156,238, Nov. 29.
- Hoffmann, Karl C., Rutherford, N. J., assignor to Simmons Company, New York, N. Y. Bedspread or the like. 156,239, Nov. 29.
- Hoffmann, Kim, and S. Heidrich, assignors to X-ray Corporation, New York, N. Y. Bottle or similar article. 155,160, Sept. 13.
- Hohwieler, William U., Morrisville, Pa. Dummy for testing parachutes. 152,690, Feb. 15.
- Hokinson, Clarence A., Chicago, Ill. Vending machine housing. 153,802, May 17.
- Holcomb, Wynn, New York, N. Y. Set of puzzle cubes. 156,338, Dec. 6.
- Holland, Inez, assignee: *See*—Feintuch, Max.
- Holland-Rantos Company, Inc., assignee: *See*—Coel, Leo.
- Hollowell, Lafayette, Detroit, Mich. Amusement bar. 156,509, Dec. 20.
- Holly, Arthur F., Forsyth, Mont. Cinch. 156,106, Nov. 22.
- Holmes, James J., Milwaukee, Wis. Nail hammer. 153,524, Apr. 26.
- Holmes, Paul F., Satanta, Kans. Shield. 155,804, Nov. 1.
- Holmes, T. J., Co., Inc., assignee: *See*—High, Fred R.
- Holophone Company, Inc., assignee: *See*—Frank, Kurt, and Wince.
- McPhail, Robert G.
- Holt, Albert T., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airplane control wheel. 153,356, Apr. 12.
- Holt, James J., assignor to Jayholt-Barbizon Corporation, New York, N. Y. Lace trimming. 156,510, Dec. 20.
- Holt, James J., assignor to Jayholt-Barbizon Corporation, New York, N. Y. Lace trimming. 156,511, Dec. 20.
- Holt, William E., Oakland, Calif. Floor polishing machine. 152,617, Feb. 8.
- Holtzman, Nathan, Brooklyn, N. Y. Coat. 153,220, Mar. 29.
- Hom-Ade, Inc., assignee: *See*—Jones, David F.
- Honeck, Bertha E., Milwaukee, Wis. Child's doll. 152,971, Mar. 8.
- Honer, Henry, Los Angeles, assignor to Western Stove Co., Inc., Culver City, Calif. Stove. 155,706, Oct. 25.
- Hooks, Bert R., Columbia, S. C. Portable speaker. 155,609, Oct. 18.
- Hoople, Warner W., assignor to Dr. Pepper Company, Dallas, Tex. Bottled beverage cooler. 153,941, May 31.
- Hoople, Warner W., assignor to Mildred A. Skelley, Dallas, Tex., doing business as Weber's Root Beer Company. Drinking mug. 155,289, Sept. 20.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,122, June 14.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,123, June 14.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,124, June 14.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,125, June 14.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,382, July 5.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,383, July 5.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,384, July 5.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,385, July 5.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,386, July 5.
- Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,607, July 26.
- Hoover Company, The, assignee: *See*—Bingely, Elmer C., and Gerber.
- Gerber, Dale C.
- Wilson, Herbert W.
- Hoover, Frank M., Incorporated, assignee: *See*—Allen, Robert Y., and Shaw.
- Hooz, Benjamin, and S. T. Mello, Los Angeles, Calif. Hand truck attachment or similar article. 154,776, Aug. 9.
- Hopkins, Earl F., Chicago, Ill. Baggage rack. 156,008, Nov. 15.
- Hopkins, Robert L., Norfolk, Va. Fish lure. 156,240, Nov. 29.
- Horn, Howard, New York, N. Y. Textile fabric. 154,275, June 28.

- Horn, Otto, Ionia, Mich. Traffic warning sign. 153,525, Apr. 26.
- Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Roll press end or similar article. 155,896, Nov. 8.
- Horowitz, Morris, Providence, R. I., assignor to W & H Jewelry Company. Link for an expandable bracelet or similar article. 155,707, Oct. 25.
- Horton, John F., Jr., Springfield, and R. S. Lee, Jenkintown, Pa., assignors to Colonial Motors, Inc. Carrying case. 156,107, Nov. 22.
- Horton, Leon, Saginaw, Mich. Combination pipe rest and article holding guard. 156,339, Dec. 6.
- Horowitz, Martin, Los Angeles, Calif. Aquarium pump. 154,486, July 12.
- Horwitz, Leo, Chicago, Ill. Luggage case or a similar article. 153,688, May 10.
- Hose, Robert H.: *See*—
Dreyfuss, Henry, and Hose.
- Hose, Robert H., Mountainside, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined desk stand and hand telephone. 154,487, July 12.
- Hosek, William S.: *See*—
Siegel, Martin, Hosek and Boucher.
- Hoshafian, Lucy, New York, N. Y. Dress or similar article. 156,009, Nov. 15.
- Hotpoint Inc., assignee: *See*—
Berg, Leo F.
Sandin, Ray C.
Sandin, Raymond C.
- Houdaille-Hershey Corporation, assignee: *See*—
Arbib, Richard H.
- Hough, Leonard G., and R. J. Collins, Toronto, Ontario, Canada. Power pulverizer for compost and the like. 152,338, Jan. 11.
- Hountasis, Constantine A., Boston, Mass. Violin or similar article. 155,610, Oct. 18.
- Houston, Walter R., Napoleon, Ohio. Sandal or similar article. 153,222, Mar. 29.
- Hovey, C. Earl, trustee, assignee: *See*—
Curtis, Conrad J.
Hansen, George H., Schroer, and Curtis.
- Howard, Earl, La Canada, assignor to I. Burke, Los Angeles, Calif. Sewing machine. 153,286, Apr. 5.
- Howard, Earl J., Duluth, Minn. Fishing lure. 152,542, Feb. 1.
- Howard, Joseph O., assignor to L. J. Segil Company, Chicago, Ill. Lighting fixture end plate. 152,543, Feb. 1.
- Howard, Minnie A., Los Angeles, Calif. Clothespin bag. 155,425, Oct. 4.
- Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Cuff link. 152,447, Jan. 18.
- Howard, Violet, Long Beach, Calif. Illuminable plaque. 154,854, Aug. 16.
- Howe, Arnold, assignee: *See*—
Oakley, Fred G.
- Howe Scale Company, The, assignee: *See*—
Singleton, Lester D.
- Howell, Christopher M., South Croyden, England. Spectacle frame. 153,287, Apr. 5.
- Hoy Equipment Co., assignee: *See*—
Hoy, Frank H.
- Hoy, Frank H., assignor to Hoy Equipment Co., Milwaukee, Wis. Meat mold cover or similar article. 154,683, Aug. 2.
- Hubbell, James L., Columbus, Ohio. Picture frame. 156,418, Dec. 13.
- Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Electric toaster or the like. 155,009, Aug. 30.
- Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Thermostatic control device. 156,340, Dec. 6.
- Hudson American Corporation, assignee: *See*—
Florian, Gordon W.
- Hudson, Verne L.: *See*—
Zipp, Harold W., Hudson, and Weining.
- Hudziak, Ted S., assignee: *See*—
Caskey, Gordon H.
- Huetter, Otto W., Toledo, Ohio. Article holding guard or the like. 152,475, Jan. 25.
- Hufeld, Al C., Peoria, Ill. Garment hanging attachment for ironing boards. 154,684, Aug. 2.
- Huff, Everett B., San Francisco, Calif. Portable lamp. 154,488, July 12.
- Huffman, Manfred E., New York, N. Y. Perfume atomizer or similar article. 155,805, Nov. 1.
- Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric steam iron. 152,786, Feb. 22.
- Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric sadiron. 153,288, Apr. 5.
- Hughes, Harry E., Long Beach, Calif. Cigarette holder figurine. 152,972, Mar. 8.
- Hull, Denison B., Winnetka, assignor to Otation, Inc., Chicago, Ill. Hearing aid casing. 153,150, Mar. 22.
- Humpal, Willard J., and B. G. Reimers, Boulder, Colo. Solderer housing. 152,691, Feb. 15.
- Humpal, Willard J., and B. G. Reimers, Boulder, Colo. Solderer housing. 155,342, Sept. 27.
- Humphreys, Robert, Menlo Park, Calif. Round comb. 154,126, June 14.
- Hunt, C. Howard, Pen Co., assignee: *See*—
Godfrey, Charles.
May, Robert A.
- Hunt, Lynn B., New York, assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Trundle toy. 153,221, Mar. 29.
- Hunter, Lee, Jr., University City, Mo. Portable wheel balancing device. 152,881, Mar. 1.
- Huntington, Charles M., Coronado, Calif. Toilet paper roll holder. 155,897, Nov. 8.
- Huppert, William, New York, N. Y. Electrical push-button cover plate. 153,803, May 17.
- Hurd, Edwin P., assignor to Hurd Lock and Manufacturing Company, Detroit, Mich. Combined fishing reel and rod seat. 153,804, May 17.
- Hurd Lock and Manufacturing Company, assignee: *See*—
Hurd, Edwin P.
- Hurzeler, Alphons, New Rochelle, assignor to Bally, Inc., New York, N. Y. Shoe or similar article. 154,777, Aug. 9.
- Huskins, Adrian E.: *See*—
Carlson, David N., and Huskins.
- Huss, Fred E., Toledo, and G. C. Shepard, Sugar Ridge, Ohio. Lavatory cabinet. 154,924, Aug. 23.
- Hussar, Julius A., Cleveland, Ohio. Combined cigarette humidifier and ash tray. 154,778, Aug. 9.
- Hussey, Frederick K., New York, N. Y. Portable signal light for motor vehicle or similar article. 153,805, May 17.
- Hussey, Frederick K., New York, N. Y. Portable signal light for motor vehicles or similar article. 153,942, May 31.
- Husson, Jean, assignor to Society Scintex, Courbevoie, France. Signal light. 153,151, Mar. 22.
- Huszagh, Ralph D., assignor to Don Manufacturing Co., Chicago, Ill. Register. 152,476, Jan. 25.
- Huszagh, Ralph D., assignor to Don Manufacturing Co., Chicago, Ill. Register. 152,477, Jan. 25.
- Hutchings, Alfred B., Appledore, England. Clothes airer. 156,010, Nov. 15.
- Hutchinson, Francis H., Denver, and C. T. Walsh, Larimer County, Colo. Fish mouth opener or similar article. 152,478, Jan. 25.
- Hutton, Junius O., Chevy Chase, Md. Liquid beater. 154,202, June 21.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Toy animal figure. 152,544, Feb. 1.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Carving set holder. 154,855, Aug. 16.
- Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Carving set holder. 154,856, Aug. 16.
- Hyde Manufacturing Company, assignee: *See*—
Oker, Arne.
- Hyman, Edgar C., Co., Inc., assignee: *See*—
Cook, Gladys E.
Gottschalk, Rose.
- Hynson, Westcott & Dunning, Incorporated, assignee: *See*—
Brewer, John H.
- Iannelli, Alfonso, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Hair drier. 156,341, Dec. 6.
- Iannelli, Alfonso, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Drink mixer. 156,342, Dec. 6.
- Ideal Novelty & Toy Co., assignee: *See*—
Baggott, Edmund W.
- Iglesias, Fred, Chicago, Ill. End plate for an illuminable sign. 156,512, Dec. 20.
- Illinois Watch Case Co., assignee: *See*—
King, David M., and Wewetzer.
- Imperial Brass Manufacturing Company, The, assignee: *See*—
Todd, Edward F.
- Imperial Dania Silver Corp., assignee: *See*—
Guior, Armand M.
- Ince, Gilbert J., assignor of seven and one-half per cent to W. A. E. Mitchell, and thirty per cent to O. C. Winstead, Greeley, Colo. Hammer for body and fender work. 155,426, Oct. 4.
- Independent Pneumatic Tool Company, assignee: *See*—
Bushnell, Aileen.
- Infra-Appliances Corporation, assignee: *See*—
Chedister, Conkling.
- Ingalls, Karl M., Texas City, Tex. Trolling sinker. 155,427, Oct. 4.
- Ingersoll Limited, assignee: *See*—
Young, Leonard W., and Taylor.
- Ingle, Orlando F., Richmond, Ind. Combined tail and directional light for a bicycle. 154,925, Aug. 23.
- Ingleby, George A., Cranston, assignor to The Hadley Company, Incorporated, Providence, R. I. Expandable chain for a bracelet or similar article. 154,779, Aug. 9.
- Ingwer, Carl E., and C. E. Wright, Elyria, Ohio. Power drive unit for pipe tools. 156,011, Nov. 15.
- Innes, James, Pelham, L. Cohen, New Rochelle, and L. Spatz, Hempstead, assignors to British-Makes, Inc., New York, N. Y. Brace. 155,708, Oct. 25.
- Institution Catholique Des Souds-Muets Pour La Province De Quebec, assignee: *See*—
Bruneau, Albert J.
- Instrumentaktiebolaget J. A. Palm, assignee: *See*—
Degefors, Ladislav.

International Business Machines Corporation, assignee: *See—*

Clement, Theodore G.
Ford, Eugene A.
Kress, George H.
International Harvester Company, assignee: *See—*
Koeber, Theodore H.
International Meters, Inc., assignee: *See—*
Simpson, Paul F.
International Projector Corporation, assignee: *See—*
Currie, John E., and Borberg.
Schladermundt, Peter, Metzler, and Hallander.
International Silver Company, The, assignee: *See—*
Conroy, Edward J.
Helander, Lillian V. M.
Kaufman, Sol P.
Iredale, Stanley E., Hounslow, England. Coffee-making machine. 153,357, Apr. 12.
Iredale, Stanley E., Hounslow, England. Coffee pot. 153,358, Apr. 12.
Ironsides, Anthony V., and R. E. Souther, Toronto, Ontario, Canada, said Souther assignor to said Ironsides. Shoe tree. 154,681, Aug. 2.
Irwin Foundry and Mine Car Company, assignee: *See—*
Laukus, Paul, Sr.
Irwin, Neil S., Weaverville, N. C. Sectional display counter. 155,343, Sept. 27.
Israel, Joseph, New York, N. Y. Radiator cabinet or the like. 152,545, Feb. 1.
Isrin, David S., New York, N. Y. Coffee grinder or the like. 155,428, Oct. 4.
Jackson, Adelbert J., Kalamazoo, Mich. Game board. 153,943, May 31.
Jackson, Myron, New York, N. Y. Finger ring mounting. 156,626, Dec. 27.
Jacobs, Berwin W., assignor to Star Headlight & Lantern Co., Inc., Rochester, N. Y. Lantern globe. 153,289, Apr. 5.
Jacobs, F. L. Co., assignee: *See—*
Brundage, Alan D.
Jacobson, Iva, Hamilton, Mont. Clothes hamper. 155,161, Sept. 13.
Jacobson, Louis, New York, N. Y. Spectacle frame. 154,459, July 12.
Jacobson, Louis, New York, N. Y. Spectacle frame. 154,490, July 12.
Jacobson, Milton D., Birmingham, Ala. Overall bib. 156,012, Nov. 15.
Jacoby-Bender, Inc., assignee: *See—*
Bender, Joseph M.
Jaffe, Myron, Cleveland Heights, Ohio. Shoe sole press. 154,780, Aug. 9.
Janousek, Josef, Vienna, Austria. Ear pendant. 155,511, Oct. 11.
Januszewski, Julius, Brooklyn, N. Y. Velocipede. 152,973, Mar. 8.
Jargstorff, Anneliese, Flushing, N. Y. Ash tray. 153,944, May 31.
Jay, Benjamin F.: *See—*
Feintuch, Max, and Jay.
Jay Kel Inc., assignee: *See—*
Koppell, Arthur W.
Jayholt-Barbizon Corporation, assignee: *See—*
Holt, James J.
Jedlicka, Louis J., Lakewood, Ohio. Reel. 156,108, Nov. 22.
Jenks, Albert L.: *See—*
Edelstein, Sigmund E., and Jenks.
Jenks, Albert L., Dixon, assignor to Motorola, Inc., Chicago, Ill. Television receiver cabinet. 152,266, Jan. 4.
Jenkins, Wallace A., Lakewood, assignor to The Atlas Manufacturing and Sales Company, Cleveland, Ohio. Vending machine. 152,882, Mar. 1.
Jenkins, Wallace A., Lakewood, assignor to The Atlas Manufacturing and Sales Company, Cleveland, Ohio. Portable vending machine. 152,883, Mar. 1.
Jennings, O. D., & Company, assignee: *See—*
Mihalek, Emery.
Jensen, Albert C., Mountain View, Calif. Mantel ornament or similar article. 155,162, Sept. 13.
Jensen, Anker W., Oak Park, Ill. Ball point pen. 153,290, Apr. 5.
Jensen, Howard M.: *See—*
Young, Wilbur B., and Jensen.
Jony Corporation, assignee: *See—*
Clark, Joseph C.
Jepson, Ivar: *See—*
Widdfield, Albert E., and Jepson.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Hedge trimmer. 153,806, May 17.
Jersey Plastic & Die Casting Company, assignee: *See—*
Zazzara, Patrick B.
Jewell, Floyd C., Long Beach, Calif., assignor, by mesne assignments, to Crown Jewel Ware, Inc., Dallas, Tex. Sauce pan. 156,343, Dec. 6.
Jewell, Floyd C., Long Beach, Calif., assignor, by mesne assignments, to Crown Jewel Ware, Inc., Dallas, Tex. Dutch oven. 156,344, Dec. 6.
Jewell, William P., Jr.: *See—*
Gargaro, Michael, and Jewell.
Joel im, Rex, Oakland, Calif. Lamp. 154,926, Aug. 23.
Jochim, Rex, Oakland, Calif. Font of type. 156,241, Nov. 29.

Johanson, Sten, New York, N. Y. Soap bubble device. 155,344, Sept. 27.
Johna-Manville Corporation, assignee: *See—*
Van Cleef, Felix.
Johnsen, William H., Dallas, Tex. Automobile hood ornament or similar article. 153,877, May 24.
Johnsen, William H., Dallas, Tex. Automobile headlight visor. 155,290, Sept. 20.
Johnson, Albin E., San Gabriel, Calif. Combination carbon paper and stationery cabinet. 156,109, Nov. 22.
Johnson, Alice M., Long Island City, N. Y. Lamp or similar article. 153,689, May 10.
Johnson, Arthur A., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric light wall bracket. 153,878, May 24.
Johnson Bros., (Hanley) Ltd., assignee: *See—*
Higginson, George J.
Johnson, Carl G., Rochester, N. Y. Combined cigarette holder and ash tray. 154,857, Aug. 16.
Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Combined operator's stool and control for dental chairs. 154,203, June 21.
Johnson, Dan R., Los Angeles, Calif. Desk or similar article. 154,040, June 7.
Johnson, Elmer C., and J. E. Hagstrom, assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo. Refrigerating case for bottled beverages. 155,709, Oct. 25.
Johnson, Francis, Detroit, Mich. Clothesline reel. 152,884, Mar. 1.
Johnson, Frederick C., Jersey Shore, Pa. Automobile hood ornament. 156,345, Dec. 6.
Johnson, Frederick O., Detroit, Mich. Butter dispensing machine. 156,419, Dec. 13.
Johnson, George C., assignee: *See—*
Marcus, Matthew.
Johnson, Gerald C., Bronxville, and A. A. Perelman, Brooklyn, assignors to Lily-Tulip Cup Corporation, New York, N. Y. Telescopic paper cup dispenser. 154,041, June 7.
Johnson, Glen A., Connersville, Ind. Automobile hood top ornament. 156,242, Nov. 29.
Johnson, Glen A., Connersville, Ind. Mounting bracket for automobile earview mirror. 156,243, Nov. 29.
Johnson, Harold R., Rockford, Ill. Rubbing machine. 156,513, Dec. 20.
Johnson, Jay P., Euclid, assignor to The Swartwout Company, Cleveland, Ohio. Ventilator. 155,345, Sept. 27.
Johnson, Jay P., Euclid, assignor to The Swartwout Company, Cleveland, Ohio. Ventilator. 155,898, Nov. 8.
Johnson, Julius S., Richland, Wash. Switch plate. 155,088, Sept. 6.
Johnson, Paul W., Toronto, Ontario, Canada. Floor polisher. 152,419, Jan. 18.
Johnson, Robert A., Longmeadow, Mass. Casing for metal-working machine for working on elongated stock. 154,387, July 5.
Johnson, Robert C.: *See—*
Laubach, Howard E., Johnson, and Kramer.
Johnson, S. C., & Son, Inc., assignee: *See—*
Connolly, William N.
Stevens, Clifford B.
Johnson, Sidney P., Birmingham, Ala. Razor blade knife. 154,858, Aug. 16.
Johnson, Theodore W.: *See—*
Guise, Arthur B., and Johnson.
Johnson, Theodore W., and H. G. Hastert, assignors to Ansul Chemical Company, Marinette, Wis. Portable hand fire extinguisher. 155,611, Oct. 18.
Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 156,627, Dec. 27.
Jonassen, Severin, New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 156,628, Dec. 27.
Jones, Charles E., assignor to Charles E. Jones and Associates, Inc., Chicago, Ill. Portable electric fan. 154,927, Aug. 23.
Jones, Charles E., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,512, Oct. 11.
Jones, Charles E., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,513, Oct. 11.
Jones, Charles E., Chicago, and R. H. Crowle, Berwyn, assignors to Cory Corporation, Chicago, Ill. Electric circulating floor fan. 155,514, Oct. 11.
Jones, Charles E., and Associates, Inc., assignee: *See—*
Jones, Charles E.
Jones, David F., Richmond, assignor to Hom-Ade, Inc., Oakland, Calif. Doughnut forming device. 153,690, May 10.
Jones, Eugene J., Webster Groves, Mo. Alphabet. 156,629, Dec. 27.
Jones & Lamson Machine Company, The, assignee: *See—*
Rosenberg, Herbert.
Jones, Stanley E., Cleveland, Ohio. Swing or similar article. 154,276, June 28.
Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Medal or similar article. 152,692, Feb. 15.
Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Medallion or similar article. 152,693, Feb. 15.

- Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Shrine. 155,346, Sept. 27.
- Jordan, Eugene P., assignee: *See—*
Myers, Charles S.
- Jordan, Matthew A.: *See—*
Wendt, Harry C., and Jordan.
- Josefsberg, Benjamin, Forest Hills, N. Y. Toy automobile carrying trailer truck. 156,244, Nov. 29.
- Josefsberg, Benjamin, Forest Hills, N. Y. Toy automobile moving van. 156,245, Nov. 29.
- Joyce, William H., Hollis, N. Y. Combined can punch and bottle opener. 153,359, Apr. 12.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 152,479, Jan. 25.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,945, May 31.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,946, May 31.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,947, May 31.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,948, May 31.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,949, May 31.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,950, May 31.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,951, May 31.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 154,042, June 7.
- Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 154,204, June 21.
- Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Capped collapsible tube. 155,710, Oct. 25.
- Juratt, John W. K.: *See—*
Kruithof, George T., and Juratt.
- K & M Products Company, assignee: *See—*
Currie, Otis C.
- Kadleck, Lewis L., Dallas, Tex. Combined door guard and plaque. 155,612, Oct. 18.
- Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen, N. J. Pencil. 155,429, Oct. 4.
- Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen Township, N. J. Fountain pen. 155,613, Oct. 18.
- Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen. 155,806, Nov. 1.
- Kahn, David, Inc., assignee: *See—*
Kahn, David.
- Kaiser-Frazier Corporation, assignee: *See—*
Cadwallader, Robert.
Darrin, Howard A.
- Kalamazoo Sled Company, The, assignee: *See—*
Vavrik, Louis.
- Kamin, Vernon A., Elgin, assignor to Motorola, Inc., Chicago, Ill. Front panel for a television receiver or the like. 152,267, Jan. 4.
- Kamp, George B., Philadelphia, assignor to Zippo Manufacturing Company, Bradford, Pa. Table lighter. 156,346, Dec. 6.
- Kampa, Edmund P., Thiensville, Wis. Combined knife rack and sharpener. 153,526, Apr. 26.
- Kampner, Leah P., Houston, Tex. Child's handkerchief. 155,711, Oct. 25.
- Kangas, Arthur J., Detroit, Mich. Deodorant container. 152,787, Feb. 22.
- Kaplan, Abraham, Jamaica, assignor to Avonshire Knitwear, Inc., and Monitor Knitwear Corp., New York, N. Y. Child's sweater. 154,543, July 19.
- Kaplan, Abraham A., Jamaica, assignor to Avonshire Knitwear, Inc., and Monitor Knitwear Corp., New York, N. Y. Sweater. 156,420, Dec. 13.
- Kaplan, Barnett D., and A. Weiner, New York, N. Y. Desk file rack or similar article. 155,010, Aug. 30.
- Kaplan, Leonard, Chicago, Ill. Exhaust pipe extension. 156,421, Dec. 13.
- Kaplan, Max, Bronx, N. Y. Lady's handbag. 154,491, July 12.
- Kaplowitz, Morris, Brooklyn, N. Y., assignor to Federal Manufacturing & Engineering Corp. Photographic enlarger. 154,544, July 19.
- Karfol, Edward, Great Neck, assignor to Royal Lace Paper Works, Brooklyn, N. Y. Doily. 155,807, Nov. 1.
- Karfol, Edward, Great Neck, assignor to Royal Lace Paper Works, Brooklyn, N. Y. Doily. 155,808, Nov. 1.
- Karfol, Edward, Great Neck, assignor to Royal Lace Paper Works, Brooklyn, N. Y. Doily. 155,809, Nov. 1.
- Karfol, Edward, Great Neck, assignor to Royal Lace Paper Works, Brooklyn, N. Y. Doily. 155,810, Nov. 1.
- Karlen, Lena, Great Neck, N. Y. Combined toe protector and metatarsal support. 154,277, June 28.
- Karp, Edward C., and S. Berglund, assignors to Sanitary Scale Company, Belvidere, Ill. Meat tenderizer. 155,011, Aug. 30.
- Karstadt, Clarence, assignor to Sears, Roebuck and Co., Chicago, Ill. Spoon or similar eating implement. 155,900, Nov. 8.
- Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Polisher. 153,807, May 17.
- Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Electric iron. 154,278, June 28.
- Karstadt, Clarence, Glen Ellyn, assignor to Shure Brothers, Incorporated, Chicago, Ill. Microphone. 154,781, Aug. 9.
- Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Mixer. 155,089, Sept. 6.
- Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Food mixer. 155,899, Nov. 8.
- Karstadt, Clarence, Glen Ellyn, and C. M. Abrahamson, Aurora, Ill., assignors to All-Steel Equipment, Inc. Desk or similar article. 153,952, May 31.
- Kartveli, Alexander, Huntington Station, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Airplane. 153,291, Apr. 5.
- Kaser, Albert, Glendale, Calif. Note-pad container. 152,788, Feb. 22.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,268, Jan. 4.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,269, Jan. 4.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,420, Jan. 18.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,421, Jan. 18.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,422, Jan. 18.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pendant. 152,423, Jan. 18.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pendant. 152,424, Jan. 18.
- Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pendant. 152,425, Jan. 18.
- Kasprzak, Jan, New York, N. Y. Fruit squeezer. 152,270, Jan. 4.
- Katsetos, Chris, assignee: *See—*
Baker, Robert F.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,480, Jan. 25.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 152,481, Jan. 25.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,694, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,695, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,696, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,697, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 152,698, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,699, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,700, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Finding for jewelry. 152,701, Feb. 15.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,789, Feb. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,790, Feb. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,791, Feb. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,792, Feb. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,793, Feb. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,794, Feb. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,795, Feb. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,796, Feb. 22.

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- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,111, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,112, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,113, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,114, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,115, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,116, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,117, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,118, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,119, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,120, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,121, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,122, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,123, Nov. 22.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,246, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,247, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,248, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,249, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,250, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,251, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,252, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,253, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,254, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,255, Nov. 29.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 156,422, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,423, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,424, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,425, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,426, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,427, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,428, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,429, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,430, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,431, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,432, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,433, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,434, Dec. 13.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,514, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,515, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,516, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,517, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,518, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,519, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,520, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 156,521, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,522, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,523, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,524, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 156,525, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,526, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,527, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 156,528, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 156,529, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,530, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 156,531, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,532, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,533, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,534, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 156,535, Dec. 20.
- Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 156,630, Dec. 27.
- Katz, Harry, Cincinnati, Ohio. Automatic dial and night light attachment for telephones. 155,347, Sept. 27.
- Katz, Maurice, Brooklyn, N. Y. Pair of optical magnifying glasses. 154,492, July 12.
- Katz, Russell, assignor to P. Benninghofen, and E. C. Diesbach, Hamilton, Ohio, trustees. Autographic register. 154,286, June 28.
- Katzen, Jacob, Philadelphia, Pa. Cigarette package holder. 153,363, Apr. 12.
- Kauffman, Jack, Los Angeles, and R. V. Smith, Glendale, Calif. Holder for condiment containers. 154,287, June 28.
- Kaufman, Louis, New York, N. Y. Handbag. 153,703, May 10.
- Kaufman, Louis, New York, N. Y. Handbag. 153,808, May 17.
- Kaufman, Louis, New York, N. Y. Handbag. 154,493, July 12.
- Kaufman, Louis, New York, N. Y. Handbag. 154,494, July 12.
- Kaufman, Louis, New York, N. Y. Handbag. 155,012, Aug. 30.
- Kaufman, Sol P., New York, N. Y., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of dentware. 153,880, May 24.
- Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 154,401, July 5.

- Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 154,545, July 19.
- Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 154,929, Aug. 23.
- Kaupp, Ethel R., New York, N. Y. Girdle. 152,981, Mar. 8.
- Kaut, William, Jr., L. F. Lauman, and F. J. Winter, Jr., Dixon, Mo. Infant's shoe. 153,295, Apr. 5.
- Kauten, Mathias, New York, N. Y. Stereoscopic viewer. 153,296, Apr. 5.
- Kay, Stanley W.: *See*—
Haman, Ralph W., and Kay.
- Kaye, Bess, New York, N. Y. Plastic film material or similar article. 156,124, Nov. 22.
- Kayware Corporation, assignee: *See*—
McKay, William L.
- Keane, Peter, Los Angeles, Calif. Combination dental floss holder and container or similar article. 153,609, May 3.
- Keating, Harry S., Toledo, Ohio. Collapsible boat house trailer with removable roof. 155,902, Nov. 8.
- Keg-o Products Corp., assignee: *See*—
Soloff, Robert, and Naumoff.
- Kehl, Howard A., Detroit, Mich. Slip-on belt billfold. 154,402, July 5.
- Kehlmann, Emanuel, New York, N. Y. Combined lamp and shade. 152,339, Jan. 11.
- Keidan, Hy A., Detroit, Mich. Tool handle. 156,536, Dec. 20.
- Keller, Albert F.: *See*—
Dahm, Norman W.
- Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Bath tub. 153,529, Apr. 26.
- Keller, Nathan B., and P. Stein, Los Angeles, Calif. Toothbrush and water glass holder. 154,495, July 12.
- Kelley, Henry E., Jr., Kirkwood, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky. Book end. 152,802, Feb. 22.
- Kelley, Icem, San Francisco, Calif. Mug. 152,982, Mar. 8.
- Kellogg, George W., Denver, Colo. Decorative artificial candle. 152,702, Feb. 15.
- Kelly, Areta L., Chicago, Ill. Women's overshoe. 154,685, Aug. 2.
- Kelly, Areta L., Chicago, Ill. Women's overshoe. 154,686, Aug. 2.
- Kelly, George M., Sturgis, assignor to Douglas Manufacturing Company, Bronson, Mich. Vacuum cleaner or similar article. 155,903, Nov. 8.
- Kelly, Jack D., New York, N. Y. Play horse or similar article. 152,426, Jan. 18.
- Kelly, Pascal M., El Paso, Tex. Bridle bit. 156,125, Nov. 22.
- Kelly-Springfield Tire Company, The, assignee: *See*—
Bete, Ray T.
- Kemp, Russell E.: *See*—
Wilbur, Harold E., and Kemp.
- Kendall, Osmond, Ottawa, Ontario, and S. W. Loach, assignors to R. Allen, Toronto, Ontario, Canada. Combined sound and motion-picture projector and carrying case therefor. 152,482, Jan. 25.
- Kendis, Michael B., Kansas City, Mo. Pupillary millimeter measure. 152,427, Jan. 18.
- Kendrick, Ralph W., assignee: *See*—
Williams, Roswell V.
- Kenmildon Inc., assignee: *See*—
Thompson, Frank W., and Davies.
- Kennedy, Albert B., St. Albans, assignor to Playlactic Toy Company Limited, London, England. Rubber doll. 156,126, Nov. 22.
- Kennedy, David E., Inc., assignee: *See*—
Corrigan, John J.
- Kennedy, Frank H.: *See*—
Dorfman, Jerome J., and Kennedy.
- Kennedy, Grace E., Toronto, Ontario, Canada. Ironing cabinet. 154,288, June 28.
- Kennison, Willis E., deceased; L. M. Roberts administratrix, assignor to L. M. Roberts, Providence, R. I. Ear clip finding. 154,859, Aug. 16.
- Kent, Frederick W., and W. F. Sievert, assignors to Badger Engraving Company, Inc., Milwaukee, Wis. Package and parcel shelf. 156,537, Dec. 20.
- Kent-Moore Organization, Inc., assignee: *See*—
Price, Stuart N.
- Kent, Stephen D.: *See*—
Crane, Samuel, and Kent.
- Keramaris, Nickolas, Detroit, Mich. Necktie. 152,803, Feb. 22.
- Kerchner, Floyd C., Cincinnati, Ohio. Ring. 155,167, Sept. 13.
- Kerr, Alexander H., and Company, assignee: *See*—
Kerr, MacRae.
- Kerr, MacRae, Beverly Hills, assignor to Alexander H. Kerr and Company, Los Angeles, Calif. Jar. 153,152, Mar. 22.
- Kessler, Betty, New York, N. Y. Dress. 153,436, Apr. 19.
- Kett Tool Company, The, assignee: *See*—
Koett, Albert C.
- Kibler, Everett L., Pittsburgh, Pa. Soap holder. 152,618, Feb. 8.
- Kickernick, Inc., assignee: *See*—
Smith, Margot E.
- Kiehl, Mildred P., Trenton, N. J. Soap dish. 155,090, Sept. 6.
- Kiehl, Mildred P., Trenton, N. J. Soap dish. 155,091, Sept. 6.
- Kiehl, Mildred P., Trenton, N. J. Towel bar support. 155,168, Sept. 13.
- Kiehn, Otto F. E., Little Neck, N. Y. Vehicle. 154,782, Aug. 9.
- Kiekhaefer, Elmer C., Cedarburg, Wis. Drive shaft housing for an outboard motor. 153,704, May 10.
- Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor having a power head. 153,705, May 10.
- Kiekhaefer, Elmer C., Cedarburg, Wis. Gear case for an outboard motor. 155,904, Nov. 8.
- Kienzie, Raymond J., assignor to Badger Glove and Slipper Company, Milwaukee, Wis. Child's slipper. 153,364, Apr. 12.
- Kigere, Irma, New York, N. Y. Adjustable handbag. 155,811, Nov. 1.
- Kikuchi, Eiko, Cleveland, Ohio. Hanger or similar article. 154,930, Aug. 23.
- Kilsby, Perry, Inc., assignee: *See*—
Storm, Frederick K., Jr.
- Kim, Young H., assignee: *See*—
Lim, Peter.
- Kimball, Charles N., Johnson County, Kans., W. R. Lewis, Clay County, Mo., and H. A. Strecker, Wyandotte County, Kans., assignors to C. J. Patterson Company, Kansas City, Mo. Moisture meter. 152,619, Feb. 8.
- King, David M., Chicago, and A. Wewetzer, Elgin, Ill., assignors to Illinois Watch Case Co. Case for a radio. 155,905, Nov. 8.
- King, Frank I., Los Angeles, Calif. Condiment dispenser. 154,931, Aug. 23.
- King, Herbert T., assignee: *See*—
King, Warren C.
- King, Horace, assignor to A. H. Heisey & Company, Newark, Ohio. Glass candle holder or similar article. 152,804, Feb. 22.
- King, Horace, assignor to A. H. Heisey & Company, Newark, Ohio. Glass candle holder or similar article. 152,805, Feb. 22.
- King, Jay F., Marietta, and J. N. White, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Gas heater. 152,483, Jan. 25.
- King, Jay F., Marietta, and J. N. White, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Gas heater. 152,484, Jan. 25.
- King, Joseph A., Whitman, Mass. Building. 152,703, Feb. 15.
- King, T. Ivan, assignee: *See*—
King, Warren C.
- King, Warren C., Centerville, assignor to H. T. King, Union City, and T. I. King, Centerville, Ind. Combined taillight and reflector for a bicycle. 153,365, Apr. 12.
- Kingmon, Adren A., Cincinnati, Ohio. Combination pencil and memorandum pad holder. 156,538, Dec. 20.
- Kingson, Justin I., assignor to George E. Mousley, Inc., New York, N. Y. Child's bib. 155,712, Oct. 25.
- Kingson, Justin I., assignor to George E. Mousley, Inc., New York, N. Y. Child's apron. 155,713, Oct. 25.
- Kinnane, Arthur J., assignee: *See*—
Schumacher, Frederick J.
- Kinskie, Adam L., Morristown, Tenn. Halter. 156,127, Nov. 22.
- Kinsley, Felix P., St. Louis, Mo. Finger ring. 152,620, Feb. 8.
- Kinsley, Felix P., St. Louis, Mo., assignor to Baker & Co., Inc., Newark, N. J. Gem setting. 153,297, Apr. 5.
- Kinsley, Felix P., St. Louis, Mo., assignor to Baker & Co., Inc., Newark, N. J. Gem setting. 153,530, Apr. 26.
- Kinzey, Albert F., Tuscaloosa, Ala., assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 154,546, July 19.
- Kinzey, Albert F., Tuscaloosa, Ala., assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 154,547, July 19.
- Kipp, Karl, assignor to Daystrom Corporation, Olean, N. Y. Lounging chair. 155,013, Aug. 30.
- Kirby, Robert F., North Attleboro, Mass., assignor to Evans Case Co. Combined tobacco pouch and lighter. 155,291, Sept. 20.
- Kirchik, David J., White Plains, N. Y. Pipe stand or similar article. 154,548, July 19.
- Kirk, Edward B., assignor to Donald Deskey Associates, New York, N. Y. Lighting fixture. 153,809, May 17.
- Kirshner, Arthur C., assignor to The National Cash Register Company, Dayton, Ohio. Telephone switchboard cabinet. 156,347, Dec. 6.
- Kisling, Jacob W., St. Louis County, Mo. Combined stand and electric fan. 155,714, Oct. 25.
- Kitson, Alfred F., Aptos, Calif. Portable wardrobe or similar article. 155,515, Oct. 11.
- Kitzler, Philip H., Chicago, Ill. Combined knife rack and condiment shaker holder. 155,014, Aug. 30.
- Kivett, Jerome S., assignor to Regal Plastic Co., Kansas City, Mo. Display rack for merchandise. 156,256, Nov. 29.
- Klein, George F., Winnipeg, Manitoba, Canada. Golf club head. 154,496, July 12.
- Klein, Louis H., Millbrae, Calif. Adjustable chair for cerebral palsied children. 156,435, Dec. 13.
- Klein, Philip, Maplewood, N. J. Key holder or similar article. 152,983, Mar. 8.

- Klein, Victoria, Chicago, Ill. Necktie. 156,539, Dec. 20.
 Klein, Virgil G., and M. T. Blue, Wichita, assignors to Blue Mfg. Co., Inc., Goddard, Kans. Vehicle top. 155,614, Oct. 18.
 Klein, William H., Great Neck, assignor to The Franklin Company, Woodside, N. Y. Floodlight holder. 152,806, Feb. 22.
 Kleinkauf, Henry, assignee: *See—*
 Wende, Adolph H.
 Kline, Harry C., Jr.: *See—*
 Clement, Joseph J., and Kline.
 Kline, Herbert J., Jackson, Mich., assignor, by mesne assignments, to National Die Casting Company, Chicago, Ill. Appliance bracket. 152,621, Feb. 8.
 Kline, Leopold D., Kew Gardens, N. Y. Bracelet. 152,704, Feb. 15.
 Kline, Leopold D., Kew Gardens, N. Y. Earring. 153,610, May 3.
 Kline, Stanley E.: *See—*
 Dilger, Herman R., Kline, and Leonard.
 Kling, Arnold G., and B. H. Marks, assignors to Globe-Union Inc., Milwaukee, Wis. High-voltage capacitor. 156,257, Nov. 29.
 Kling, Morris, Philadelphia, Pa. Toy locomotive. 156,348, Dec. 6.
 Klingberg, Arthur F., Chicago, assignor to Park Sherman Co., Springfield, Ill. Coin bank. 154,127, June 14.
 Klingens, Cornelis, Barendrecht, Netherlands, and J. L. Foster, assignors to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 155,292, Sept. 20.
 Klosinski, Stanley, Detroit, Mich. Shaving cup. 155,715, Oct. 25.
 Klumpp, Gustave, New York, N. Y. Lapel pin or the like. 156,540, Dec. 20.
 Kmiec, Louis, Trenton, N. J. Lamp. 155,716, Oct. 25.
 Knapp-Monarch Company, assignee: *See—*
 Huck, Alfred J.
 Knapp-Monarch Company, assignee: *See—*
 Huffman, Russell I.
 Knaur, John S., Denison, Tex. Fishing lure retriever. 156,013, Nov. 15.
 Knitmark Inc., assignee: *See—*
 Williamson, Ellen.
 Knorr, Gerhard, New York, N. Y. Elastic fabric. 154,932, Aug. 23.
 Kobbe, Daniel D., assignor to Aluminum Arts, Inc., Houston, Tex. Awning. 152,622, Feb. 8.
 Koches, Joseph, Warren, Ohio. Combined quoit and horseshoe pitching device. 152,984, Mar. 8.
 Koebler, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Refrigerator cabinet. 152,985, Mar. 8.
 Koester, Fred W., Fox Point, Wis. Combined flashlight and mirror. 154,549, July 19.
 Koett, Albert C., assignor to The Kett Tool Company, Cincinnati, Ohio. Universal head for a portable power drill. 152,887, Mar. 1.
 Kogel, Frank J., Burbank, Calif. Horizontal single-cylinder hopper-type Diesel engine. 154,403, July 5.
 Kohn, Walter, Union City, N. J. Embroidered lace collar or similar article. 155,812, Nov. 1.
 Kohner Bros.: *See—*
 Rahn, William J.
 Kohner, Frank, assignee: *See—*
 Rahn, William J.
 Kohner, Paul, assignee: *See—*
 Rahn, William J.
 Kold-Krisp Apple Service, assignee: *See—*
 Smiley, Eldridge H., and Storm, Jr.
 Kollath, Francis C., assignee: *See—*
 Gould, Hugh B.
 Kono, Alexander, Flushing, assignor to The Kono Manufacturing Company, Woodside, N. Y. Spectacle frame or similar article. 155,813, Nov. 1.
 Kono Manufacturing Company, The, assignee: *See—*
 Kono, Alexander.
 Kool Vent Metal Awning Corporation of America, assignee: *See—*
 Korman, Samuel B.
 Korman, Samuel B., and Harrison.
 Koplar, Solomon E., Chicago, Ill. Clock. 153,611, May 3.
 Kopp, Walter R., New Haven, Conn., assignor to Olin Industries, Inc. Hand lamp. 153,437, Apr. 19.
 Koppell, Arthur W., Upper Nyack, assignor to Jay Kel Inc., New York, N. Y. Expandable chain for a bracelet or similar article. 152,623, Feb. 8.
 Korb, Harry W., South Euclid, Ohio. Magnetic memo holder for attachment to telephones. 156,128, Nov. 22.
 Korman, Samuel B., and M. Harrison, Pittsburgh, Pa., assignors to Kool Vent Metal Awning Corporation of America. Canopy. 154,550, July 19.
 Korman, Samuel B., Pittsburgh, Pa., assignor to Kool Vent Metal Awning Corporation of America. Beach and lawn umbrella. 156,631, Dec. 27.
 Koslap, John J., Garfield, N. J. Combined hairpin receptacle and opener. 153,810, May 17.
 Kovacs, John J.: *See—*
 Smoleroff, Henry J., and Kovacs.
 Kovacs, Stella, and D. J. Fulkerson, Dearborn, assignors to Paragon Products Company, Detroit, Mich. Ring comb. 154,205, June 21.
 Kraft Foods Company, assignee: *See—*
 Ferree, Kemper H.
 Krakauer Bros., assignee: *See—*
 Cushing, George W., and Hahn.
 Kramer, Eugene, Long Island City, N. Y. Twin parking meter. 156,632, Dec. 27.
 Kramer, Louis, New York, N. Y. Brooch or similar article. 152,271, Jan. 4.
 Kramer, Louis, New York, N. Y. Adjustable ornamental chain. 153,153, Mar. 22.
 Kramer, Melvin L., Hoboken, N. J. Ring box or the like. 154,928, Aug. 23.
 Kramer, Vincent J.: *See—*
 Laubach, Howard E., Johnson, and Kramer.
 Krapp, Joseph W., Columbus, Ohio. Top. 155,015, Aug. 30.
 Krasnow Belt Co., Inc., assignee: *See—*
 Krasnow, Kenneth.
 Krasnow, Kenneth, assignor to Krasnow Belt Co., Inc., New York, N. Y. Belt or similar article. 155,430, Oct. 4.
 Krasnow, Kenneth, New York, N. Y. Plastic belt. 156,129, Nov. 22.
 Kratz, Oscar E., assignor to The H. D. Lee Company, Incorporated, Kansas City, Mo. Jacket. 153,438, Apr. 19.
 Kraus, Frank B., New York, N. Y. Clothes hanger. 154,206, June 21.
 Kraus, Frank B., New York, N. Y. Garment hanger. 154,207, June 21.
 Krause, Henry, Great Neck, N. Y. Writing implement. 156,633, Dec. 27.
 Krause, Richard S.: *See—*
 Beckstrom, Garfield L., and Krause.
 Kravitz, Herman, assignee: *See—*
 Everett, John E.
 Kreisler, Jacques, Manufacturing Corporation, assignee: *See—*
 Stern, Tobias.
 Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Radio receiver. 153,881, May 24.
 Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Card time recorder. 155,016, Aug. 30.
 Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Time recording machine. 155,516, Oct. 11.
 Krieger, Herman, New York, N. Y. Lace. 155,906, Nov. 8.
 Krieger, Herman, New York, N. Y. Lace. 155,907, Nov. 8.
 Krocerek, Franklin H., assignor to Peerless Tool & Engineering Co., Chicago, Ill. Fishing plug retriever, or similar article. 153,366, Apr. 12.
 Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm. 152,340, Jan. 11.
 Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Shroud for windshield wiper arm. 152,888, Mar. 1.
 Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Mirror. 156,436, Dec. 13.
 Krohnengold, Henry, Bronx, N. Y. Combined cigarette holder and ash receiver. 152,624, Feb. 8.
 Kromex Corporation, assignee: *See—*
 Mortrude, Albert D.
 Kromhout, Johan C., Forest Hills, N. Y., assignor to Sylvania Electric Products, Inc. Television receiver. 152,341, Jan. 11.
 Kromhout, Johan C., Forest Hills, N. Y., assignor to Sylvania Electric Products Inc. Television tube housing and support therefor. 154,609, July 26.
 Kronman, Joel, Whitestone, N. Y., assignor to Victor Industries Corporation. Container cap. 152,625, Feb. 8.
 Krueger, Archie S.: *See—*
 Broeren, Frank L., and Krueger.
 Kruthof, George T., and J. W. K. Jurrat, Glendale, Calif. Shuffle board game device. 155,517, Oct. 11.
 Kuczajda, Frederick J., Windsor, Ontario, Canada, assignor to Motif Manufacturing Co., Inc., Detroit, Mich. Finger ring. 155,293, Sept. 20.
 Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,294, Sept. 20.
 Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,295, Sept. 20.
 Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,296, Sept. 20.
 Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,169, Sept. 13.
 Kuehne, Fred, Jr., Mattoon, Ill. Table. 156,437, Dec. 13.
 Kueppersbusch, Fritz, Mamaroneck, N. Y. Illuminable vanity case or the like. 152,272, Jan. 4.
 Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Illuminable wall plaque or similar article. 152,889, Mar. 1.
 Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Rail vehicle. 153,367, Apr. 12.
 Kuhn, Paul R., Brentwood, assignor to Ritepoint Co., St. Louis, Mo. Display casing for pencil or the like. 154,610, July 26.
 Kuhn, Leopold K., Stratford, Conn. Pocket perfume atomizer or similar article. 155,348, Sept. 27.
 Kujawski, Elroy, Jr., Adell, Wis. Toilet powder container. 155,717, Oct. 25.
 Kurlash Company, The, Inc., assignee: *See—*
 Tuttle, William R., and Beldue.
 Kushner, Julian H., New York, N. Y. Miniature jewelry screw driver. 155,297, Sept. 20.

- Kwikform Limited, assignee: *See*—
Hawes, Albert H.
- Lactona Incorporated, assignee: *See*—
Reinecke, Jean O.
- Lady Esther, Ltd., assignee: *See*—
Donati, Enrico.
- La Falce, Palmerino, Buffalo, N. Y. Whipping top. 155,298, Sept. 20.
- La Fond, Joseph A., Detroit, Mich. Tobacco bar. 156,349, Dec. 6.
- La Forest, Louis Z.: *See*—
Stamper, Willson Y., and La Forest.
- La Forte, Michael J., Park Ridge, assignor to Vaughan Novelty Mfg. Co., Chicago, Ill. Can opener. 155,908, Nov. 8.
- Lahnstein, Evelyn K.: *See*—
Lahnstein, Joseph A. and E. K.
- Lahnstein, Joseph A. and E. K., New York, N. Y. Adjustable slipper. 155,814, Nov. 1.
- La Hue, Henry C., South St. Paul, Minn. Combined date and weather indicator. 153,298, Apr. 5.
- Laiser, Joseph K., Kansas City, Mo. Bottle carrier. 153,882, May 24.
- Laiser, Joseph K., Kansas City, Mo. Holder for plate, cup, and implement. 155,299, Sept. 20.
- Lamb, Albert, Schenectady, assignor to Gloversville Knitting Co., Gloversville, N. Y. Mitten. 156,541, Dec. 20.
- Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Wet and dry bulb thermometer assembly. 155,170, Sept. 13.
- Lamb, Thomas, New York, N. Y. Two-handed saw handle. 152,890, Mar. 1.
- Lambert, Henry L., New York, N. Y. Combined watch and cosmetic case. 154,687, Aug. 2.
- Lambert, Raoul A.: *See*—
Pickford, Jack, and Lambert.
- Lammi, David G., Chicago, Ill. Single spindle hydraulic paper drill or similar article. 154,047, June 7.
- Land, Frank S., Kansas City, Mo. Badge. 152,546, Feb. 1.
- Land, Frank S., Kansas City, Mo. Badge. 152,891, Mar. 1.
- Land, Frank S., Kansas City, Mo. Badge. 152,986, Mar. 8.
- Landell, Harper: *See*—
Guild, Lurelle, and Landell.
- Lane, Paul W., San Rafael, Calif. Trailer. 153,953, May 31.
- Lane, Sidney K., assignor to Noma Electric Corporation, New York, N. Y. Decorative light ornament. 155,909, Nov. 8.
- Lane, Sidney K., assignor to Noma Electric Corporation, New York, N. Y. Decorative light ornament. 155,910, Nov. 8.
- Lane, Sidney K., assignor to Noma Electric Corporation, New York, N. Y. Decorative light ornament. 155,911, Nov. 8.
- Lane, Sidney K., assignor to Noma Electric Corporation, New York, N. Y. Decorative light ornament. 155,912, Nov. 8.
- Lane, Sidney K., assignor to Noma Electric Corporation, New York, N. Y. Decorative light ornament. 155,913, Nov. 8.
- Lang, Homer W., Alameda, Calif. Hamburger patty forming device. 154,551, July 19.
- Lang, Irving M., New York, N. Y. Combined lipstick case and perfume vial. 152,547, Feb. 1.
- Lang, Irving M., New York, N. Y. Tie clip or similar article. 156,634, Dec. 27.
- Lang, Walter: *See*—
Nagel, John D.
- Lange, Henry F., Cleveland, Ohio. Corner piece. 153,954, May 31.
- Lange, Morris, University Heights, Ohio. Register stand or similar article. 156,542, Dec. 20.
- Langos, Otto A., Chicago, Ill. Lawn sprinkler. 153,612, May 3.
- Langos, Otto A., Chicago, Ill. Toy gun. 156,438, Dec. 13.
- Lankford, Harry G., Jr., Wichita, Kans. Heating stove. 154,289, June 28.
- Lanman, Lyman S., Oklahoma City, Okla. Memorandum pad holder. 154,497, July 12.
- Lapidus, Sol H., Brooklyn, N. Y. Automobile lamp support bracket. 153,883, May 24.
- Larrabee, Adelbert J., Redding, Calif. Ash tray. 154,612, July 26.
- Larsen, Lucy, New York, N. Y. Blouse or similar article. 154,783, Aug. 9.
- Larsen, Lucy, New York, N. Y. Blouse or similar article. 156,350, Dec. 6.
- Larsen, Lucy, New York, N. Y. Blouse or similar article. 156,351, Dec. 6.
- Larsen, Lucy, New York, N. Y. Blouse or similar article. 156,352, Dec. 6.
- Larsen, Lucy, New York, N. Y. Handkerchief or similar article. 156,353, Dec. 6.
- Lascow, Frank, New York, N. Y. Lamp standard or similar article. 154,128, June 14.
- Lasting Shoe Co. Inc., assignee: *See*—
Teltebaum, David.
- Lathom, Ruth C., Gillette, Wyo. Scissors sharpener. 153,706, May 10.
- Latoušek, Bernard L., Los Angeles, Calif. Fog lens. 152,807, Feb. 22.
- Laubach, Howard E., Cincinnati, and R. C. Johnson and V. J. Kramer, Norwood, assignors to The Boye & Emmes Machine Tool Company, Cincinnati, Ohio. Engine lathe. 152,987, Mar. 8.
- Lauber, John A., assignor to Continental Optical Company, Inc., Rochester, N. Y. Pair of spectacles. 153,955, May 31.
- Lauby, Charles W., Vincennes, Ind. Compartmented jar or the like. 154,552, July 19.
- Lauer, Robert J., Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Automobile instrument panel. 154,611, July 26.
- Laukus, Paul, Sr., North Huntington Township, Westmoreland County, assignor to Irwin Foundry and Mine Car Company, Irwin, Pa. Mine car truck. 152,988, Mar. 8.
- Lauman, Louis F.: *See*—
Kaut, William, Jr., Lauman, and Winter.
- Laurel Intimates, Inc., assignee: *See*—
Cohen, Jacob.
- Lauricella, John W., Passaic, N. J. Panel for an electronic timer or similar article. 152,626, Feb. 8.
- Lavaty, Otto J., Chicago, Ill. Garment button. 155,017, Aug. 30.
- Law, Walter B. and Warren B., Dunellen, N. J. Control valve for coffee urns or the like. 156,635, Dec. 27.
- Law, Warren B.: *See*—
Law, Walter B. and Warren B.
- Lawrence, Bert F. and E. E., Portland, Oreg. Ice-cream scoop. 156,543, Dec. 20.
- Lawrence, Emma E.: *See*—
Lawrence, Bert F. and E. E.
- Lawson, George S., St. Clair Shores, Mich. Bus. 153,884, May 24.
- Lay, John L., Ogden, Pa. Screw cap. 153,956, May 31.
- Laystrom, Carl A.: *See*—
Sigler, Howard R., and Laystrom.
- Laystrom, Carl A., Decatur, and H. R. Sigler, Argenta, assignors, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Front for an illuminable mirror cabinet. 155,518, Oct. 11.
- Lazar, Joseph H., Chicago, Ill. Combined storage and self-serving cabinet. 152,428, Jan. 18.
- Lazar, Max, New York, N. Y. Combination comb and safety hair cutter. 154,784, Aug. 9.
- Lazerson, Herman M., assignor to Solar Light Manufacturing Co., Chicago, Ill. Fluorescent lighting fixture or the like. 156,014, Nov. 15.
- Leach, Ralph T., Evansville, Ind. Combined ash tray and glass holder. 152,485, Jan. 25.
- Leach, Raymond A., Los Angeles, Calif. Coin dispensing machine. 155,519, Oct. 11.
- Leaf, Ludwig, Forest Hills, assignor to Empire Plastic Corporation, New York, N. Y. Toy fish or similar article. 153,707, May 10.
- Leaf, Ludwig, Forest Hills, assignor to Empire Plastic Corporation, New York, N. Y. Toy duck or similar article. 153,708, May 10.
- Leaf, Ludwig, Forest Hills, assignor to Empire Plastic Corporation, New York, N. Y. Toy turtle or similar article. 154,129, June 14.
- Leahy, Arthur F., Queens Village, N. Y. Airplane propeller blade. 152,705, Feb. 15.
- Lear, Incorporated, assignee: *See*—
Lear, William P.
- Lear, William P., Brentwood, Calif., assignor to Lear, Incorporated, Grand Rapids, Mich. Knob. 155,349, Sept. 27.
- Leather, George B., Esher, England. Hair drier. 155,615, Oct. 18.
- Leavell, Martha B., Nashville, Tenn. Baptismal robe or the like. 156,130, Nov. 22.
- Leavin, William H., New York, N. Y. Lipstick holder. 155,520, Oct. 11.
- Leavin, William H., New York, N. Y. Compact or similar article. 155,521, Oct. 11.
- Le Belle, James H., Keene, N. H. Wrench. 156,354, Dec. 6.
- Lebensfeld, Harry, assignor to United Industrial Syndicate, Inc., New York, N. Y. Table base. 156,439, Dec. 13.
- Lebensfeld, Moe: *See*—
Buxbaum, Mac, and Lebensfeld.
- Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Knob. 155,350, Sept. 27.
- Lebow, Victor, Brooklyn, assignor to Chester H. Roth Co., Inc., New York, N. Y. Display case. 156,544, Dec. 20.
- Lechtenberg, Joseph A., Kansas City, Mo. Combined motor support and fan guard mounting. 156,440, Dec. 13.
- Lee, Emery C., Elgin, Ill., assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Thermostat casing or the like. 155,351, Sept. 27.
- Lee, George B., Minneapolis, Minn. Ash tray. 152,989, Mar. 8.
- Lee, H. D., Company, Incorporated, The, assignee: *See*—
Kratz, Oscar E.
- Lee, Robert S.: *See*—
Horton, John F., Jr., and Lee.
- Lee Rubber & Tire Corporation, assignee: *See*—
Limbirt, Rollin J.
- Leech, Aubrey B., Los Angeles, Calif. Animated decorative lamp. 156,015, Nov. 15.

- Leech, Aubrey B., Los Angeles, Calif. Animated decorative lamp. 156,016, Nov. 15.
- Leech, Aubrey B., Los Angeles, Calif. Animated decorative lamp. 156,441, Dec. 13.
- Leerer, Ben, New York, N. Y. Textile fabric. 154,785, Aug. 9.
- Leerer, Ben, New York, N. Y. Textile fabric. 154,786, Aug. 9.
- Lees, James, and Sons Company, assignee: *See*—Dingilian, Dikran.
- Leever, Olive, assignee: *See*—Caskey, Gordon H.
- Leffler, William S., and W. B. Green, Darien, Conn., said Green assignor to said Leffler. Television viewing frame. 155,431, Oct. 4.
- Leffler, William S., and W. B. Green, Darien, Conn., said Leffler assignor to said Green. Television viewing frame. 155,432, Oct. 4.
- Lefkowitz, Louis, & Bro., Inc., assignee: *See*—Weiss, Nathan H.
- Leister, George F. and M. L. K., near Pottstown, assignors to The Beechwood Company, Incorporated, Stowe, Pa. Tablecloth. 153,531, Apr. 26.
- Leister, George F. and M. L. K., near Pottstown, assignors to The Beechwood Company, Incorporated, Stowe, Pa. Plastic film material. 153,532, Apr. 26.
- Leister, Mary L. K.: *See*—Leister, George F. and M. L. K.
- Leitner, Arthur S., Los Angeles, Calif. Open horseshoe book end or similar article. 154,613, July 26.
- Leja, Casimir E., Chicago, Ill. Internal-combustion engine or similar article. 152,706, Feb. 15.
- Lelong, Lucien, Inc., assignee: *See*—Buckingham, John D.
- Le Moine, Desire O., Akron, Ohio. Novelty fish lure. 154,130, June 14.
- Lemont, Harold E., Jr., East Providence, R. I., assignor to Helicopter Engineering and Construction Corporation. Helicopter. 152,342, Jan. 11.
- Lennon, James W., St. Paul, assignor to Fibre-Plastics Corporation, Minneapolis, Minn. Egg carton. 155,092, Sept. 6.
- Lent, Constantin P., New York, N. Y. Combination portable electric motion-picture camera and battery case. 152,627, Feb. 8.
- Lentheric, Incorporated, assignee: *See*—McIntosh, Frank.
- Leonard, Ralph N., Chicago, Ill. Trailer attachment for a power lawn mower or the like. 152,273, Jan. 4.
- Leonard, Ralph N., Crystal Lake, Ill. Adjustable antenna. 152,990, Mar. 8.
- Leonard, Ralph R., Olympia, Wash. Tooth powder dispenser and brush holder. 153,154, Mar. 22.
- Leonard, Thomas M.: *See*—Dilger, Herman R., Kline, and Leonard.
- Leonard, Wayne L., Burbank, Calif. Radio antenna. 155,093, Sept. 6.
- Leong, Duey S., New York, N. Y. Ash tray. 156,636, Dec. 27.
- Lerman, Ben, assignor to Mastercrafters Clock & Radio Co., Chicago, Ill. Clock. 152,808, Feb. 22.
- Les Parfums de Dana, Inc., assignee: *See*—Serra, Javier.
- Lesch, Charles W., Altadena, Calif., assignor to Traub Manufacturing Company, Detroit, Mich. Jewelry box. 154,787, Aug. 9.
- Leser, Tina, New York, N. Y. Bathing suit. 156,131, Nov. 22.
- Lesner, Roy H., and W. J. Vignola, Chicago, Ill. Nursery bottle warmer. 154,553, July 19.
- Lessmann, Herbert F., Des Moines, Iowa. Portable loader. 155,815, Nov. 1.
- Lestage, Eli, New Bedford, Mass. Roll paper dispenser. 154,933, Aug. 23.
- Letsch, Raymond O., Waterloo, Iowa. Ink container. 152,707, Feb. 15.
- Le Vaggi, Gloria, Attleboro, Mass., assignor to Swank, Inc. Cuff link. 154,048, June 7.
- Levich, Morris C., New York, N. Y. Toy animal figure. 152,628, Feb. 8.
- Levich, Morris C., New York, N. Y. Toy animal figure. 153,709, May 10.
- Levin, Abraham S., Philadelphia, Pa. Coffee maker. 156,637, Dec. 27.
- Levin, David E., Brooklyn, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Lady's shoe or similar article. 154,290, June 28.
- Levin, David E., Brooklyn, assignor to Evins, Inc., New York, N. Y. Shoe or similar article. 154,498, July 12.
- Levin, Gertrude, New York, assignor to W. Frank, Bronx, N. Y. Combination tooth brush, tumbler, and tooth paste tube holder. 152,991, Mar. 8.
- Levin, Irving, New York, N. Y. Illuminator globe. 153,368, Apr. 12.
- Levin, Jacob, New York, N. Y. Beverage dispenser. 154,291, June 28.
- Levine, Benjamin, Flushing, N. Y. Child's cap. 156,442, Dec. 13.
- Levine, Samuel, New York, N. Y. Sweater or similar article. 154,499, July 12.
- Levinson, Benjamin L., assignor to Electric Animals, Inc., New York, N. Y. Toy dog. 156,443, Dec. 13.
- Levnaich, Daniel S., assignor to Pour-O-Matic Corporation, Chicago, Ill. Cuticle tool. 152,708, Feb. 15.
- Levy, Abraham, assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock case or similar article. 155,616, Oct. 18.
- Levy, Gertrude, Brooklyn, N. Y. Combined baby seat and play pen. 155,171, Sept. 13.
- Levy, Samuel O., assignor to Form-Flex Foundations, Inc., New York, N. Y. Display stand or the like. 154,404, July 5.
- Lewin, Nina, assignor to Roberson Fabrics, Inc., New York, N. Y. Textile fabric or similar article. 154,614, July 26.
- Lewin, Nina, assignor to Roberson Fabrics, Inc., New York, N. Y. Textile fabric or similar article. 154,615, July 26.
- Lewis, Alexander E.: *See*—Gould, Dudley M., and Lewis.
- Lewis, George K., assignor to Three Dimension Company, Chicago, Ill. Slide projector or similar article. 155,172, Sept. 13.
- Lewis, George K., assignor to The Three Dimension Company, Chicago, Ill. Reading rate controller or similar device. 155,718, Oct. 25.
- Lewis, George P., East Williston, N. Y. Flashlight. 155,094, Sept. 6.
- Lewis, Howard R., Chicago, Ill. Pie rack. 156,545, Dec. 20.
- Lewis, Margaret M., New York, N. Y. Epergne. 156,017, Nov. 15.
- Lewis, Nena, Campbell, Ohio. Cabinet sink. 153,710, May 10.
- Lewis, Nena, Campbell, Ohio. Rack. 156,132, Nov. 22.
- Lewis, Ralph P., Scarsdale, assignor to Harriet Hubbard Ayer, Inc., New York, N. Y. Lipstick case. 156,018, Nov. 15.
- Lewis, Samuel, New York, N. Y. Lamp or similar article. 152,343, Jan. 11.
- Lewis, Walter A., Syracuse, Kans. Combination tombstone and grave marker. 156,444, Dec. 13.
- Lewis, William R.: *See*—Kimball, Charles N., Lewis, and Strecker.
- Lewkowicz, Leon, and E. F. Bennett, New York, N. Y. Lamp or similar article. 155,719, Oct. 25.
- Libby Engineering Corporation, assignee: *See*—Libby, Jules L.
- Libby, Jules L., deceased; R. I. Burstein, administrator, assignor to Libby Engineering Corporation, Elgin, Ill. Light fixture. 153,885, May 24.
- Liberty Coach Company, Inc., assignee: *See*—Harkless, Merl J.
- Lieberman, Emil, Beechhurst, N. Y. Lighter. 154,934, Aug. 23.
- Liebes, Dorothy W.: *See*—Burton, William, and Liebes.
- Liebner, Herman G., Milwaukee, Wis. Clothes tree. 153,533, Apr. 26.
- Lieutard, Emile A., San Francisco, Calif. Road signal. 156,258, Nov. 29.
- Lifeguard Products Limited, assignee: *See*—Broadhead, Reginald M.
- Lifshutz, David A., and L. H. Weiss, Denver, Colo. Combination ice and snow scraper. 156,638, Dec. 27.
- Light, Harry B., San Gabriel, Calif. Combination cradle and perambulator. 153,534, Apr. 26.
- Lighting Products, Inc., assignee: *See*—Dunbar, MacInnis M.
- Lilja, Ernest L., assignor to Chamberlain, Inc., Chicago, Ill. Beverage percolator filter valve. 154,935, Aug. 23.
- Lilly, Mark R., Louisville, Ky. Shoehorn. 152,548, Feb. 1.
- Lily-Tulip Cup Corporation, assignee: *See*—Johnson, Gerald C., and Perelman.
- Reifsnnyder, James D.
- Lim, Peter, Los Angeles, Calif. Toy pistol. 152,709, Feb. 15.
- Lim, Peter, assignor of one-half to Y. H. Kim, Los Angeles, Calif. Toy pistol. 153,811, May 17.
- Limbirt, Rollin J., Norristown, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Sink stopper. 154,936, Aug. 23.
- Lincoln Engineering Company, assignee: *See*—Fox, Alexander P.
- Fox, Alexander P., and Reisert.
- Lind, Onnie A., assignor to The Denison Engineering Company, Columbus, Ohio. Geared head fluid motor with speed control. 154,688, Aug. 2.
- Lindberg, Carl A., Toledo, Ohio. Electric fan or similar article. 152,344, Jan. 11.
- Linderbergh, Howard V., Lafayette, Calif. Scoop for dispensing ice cream or the like. 154,937, Aug. 23.
- Lindblad, Allan P., Winchester, Mass. Candlestick. 153,369, Apr. 12.
- Linde Air Products Company, The, assignee: *See*—Heyman, Robert E.
- Teague, Walter D.
- Lindemann, Joseph S., assignee: *See*—Mayfield, Jean B.
- Lindsey, Walter W., Sunland, Calif. Combination tie rack and mirror. 152,892, Mar. 1.
- Lindzy, Leo K., Wayne, Mich. Combination pipe stand and ash tray. 156,355, Dec. 6.
- Link, Charlotte M., assignor to E. J. McAleer and Co., Inc., Philadelphia, Pa. Display stand. 152,549, Feb. 1.

- Linnard, Irvin R., Montclair, N. J. Rack. 153,957, May 31.
- Linneman, Richard, Atlanta, Ga. Case for drill bits or other slender articles. 153,069, Mar. 15.
- Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.
- Lipic, Sylvester G., Sappington, and L. S. Lyon, Webster Groves, Missouri, to Ritepoint Co., St. Louis, Mo. Table lighter. 156,133, Nov. 22.
- Lipman, Isadore A., Meriden, Conn., assignor, by mesne assignments, to Amston Silver Company, Inc., Amston, Conn. Fork or other article of flatware. 153,711, May 10.
- Lipman, Isadore A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Dish or similar article. 155,522, Oct. 11.
- Lipman, Isadore A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Dish or similar article. 155,523, Oct. 11.
- Lipman, Julius, New York, N. Y. Lady's suit. 152,274, Jan. 4.
- Lipman, Julius, New York, N. Y. Dress ensemble. 153,958, May 31.
- Lippincott, Joshua G.: *See*—
Wilson, Charles K., and Lippincott.
- Lippincott, Joshua G., Scarsdale, assignor to L. E. Waterman Company, New York, N. Y. Ink bottle. 154,616, July 26.
- Lipsitz, Saul, Chelsea, Mass. Tie rack. 154,554, July 19.
- Lipton, Nat, Long Beach, Calif. Combined toothpaste dispenser and toothbrush holder. 154,049, June 7.
- Lisboa, Miguel, New York, N. Y. Card game board. 156,546, Dec. 20.
- Lish, Samuel, New York, N. Y. Lady's hat. 155,914, Nov. 8.
- Little, Clinton E., assignor to The Servus Rubber Company, Rock Island, Ill. Canvas rubber soled shoe. 155,816, Nov. 1.
- Little, John M.: *See*—
Gustafson, Folke M., and Little.
- Little, John M., Toledo, Ohio, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Washing machine. 152,550, Feb. 1.
- Little, John M., assignor to Toledo Scale Company, Toledo, Ohio. Meat tenderizing machine. 152,893, Mar. 1.
- Little, John M., Toledo, Ohio, assignor to Westinghouse Electric Corporation. Washing machine. 153,712, May 10.
- Little, John M., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 155,300, Sept. 20.
- Litvack, Saul, New York, N. Y., assignor to Dronoff Shoe Products Inc., Carlisle, Pa. Shoe. 153,613, May 3.
- Litvin, Abraham, New Haven, Conn. Spoon or other article of flatware. 154,292, June 23.
- Livermore, Jesse L., assignor to Princess Eve Products Corp., New York, N. Y. Lipstick case or the like. 156,259, Nov. 29.
- Lloyd Products Company, The, assignee: *See*—
Richardson, Arthur A.
- Loach, Smiley W.: *See*—
Kendall, Osmond, and Loach.
- Lobel, Rudolph, assignor to Friedman-Lobel, Inc., New York, N. Y. Handbag. 154,131, June 14.
- Lobel, Rudolph, New York, N. Y. Handbag. 155,817, Nov. 1.
- Lobley, Frederick A.: *See*—
Beardsley, Edward H., and Lobley.
- Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassiere. 152,345, Jan. 11.
- Lockhart, Joseph L.: *See*—
Pearce, Woodrow W., and Lockhart.
- Lockheed Aircraft Corporation, assignee: *See*—
Holt, Albert T.
Pulver, Wilfrid A., and Flock.
- Lodewick, Madeleine: *See*—
Lodewick, Mildred and Madeleine.
- Lodewick, Mildred and Madeleine, New York, N. Y. Combination toothbrush and casing therefor. 156,134, Nov. 22.
- Loewy, Raymond, New York, N. Y., assignor to The Greyhound Corporation, Chicago, Ill. Motor coach. 156,445, Dec. 13.
- Loft Candy Corporation, assignee: *See*—
Berg, Sidney H.
- Logan, Hugh H., La Canada, Calif. Casing for shower valve. 154,500, July 12.
- Lohr, Raymond J., and L. J. Campbell, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Ball point fountain pen. 153,713, May 10.
- Lombard, Joseph A., assignor to Automatic Devices, Incorporated, Springfield, Mass. Remote-control casing for remotely operated devices. 154,405, July 5.
- Long, Richard E.: *See*—
Capstur, Joseph M., and Long.
- Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Newhouse, Leon M.
- Longren Aircraft Company, assignee: *See*—
Peterson, Albin K.
- Lord, Albert B., and L. L. Hodges, Eureka, Calif. Fish lure. 156,260, Nov. 29.
- Lorenzen Hardware Mfg. Corp., assignee: *See*—
Nelson, Harry.
- Lorillard, Elaine G., assignor to Ostby & Barton Company, Providence, R. I. Combined ring and perfume container. 152,486, Jan. 25.
- Loser, Frank T., Oak Park, Ill. Dolly. 153,959, May 31.
- Louchheim, Stuart F., Beth Ayres, assignor to Amplitone, Incorporated, Philadelphia, Pa. Portable upright phonograph or the like. 152,710, Feb. 15.
- Louis, Henry W., Cleveland, Ohio. Pin-up ash receiver. 152,629, Feb. 8.
- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Hinge. 154,132, June 14.
- Lovable Brassiere Co., The, assignee: *See*—
Garson, Arthur.
- Love, Jabez A., Eau Claire, Mich. Tractor. 155,818, Nov. 1.
- Love, Murray A., assignee: *See*—
Duley, Clyde.
- Love, Solomon A., Atlanta, Ga. Combined cigarette lighter and coin container. 156,639, Dec. 27.
- Love, Solomon A., Atlanta, Ga. Combined coin holder and container. 156,640, Dec. 27.
- Love, Solomon A., Atlanta, Ga. Combined cigarette lighter and holder. 156,641, Dec. 27.
- Love, Solomon A., Atlanta, Ga. Combined holder and container. 156,642, Dec. 27.
- Lovelace, William R., II.: *See*—
Boothby, Walter M., Bulbulian, and Lovelace, II.
- Lowe, George K., Warwick, assignor to Campus Jewelry Products, Inc., Providence, R. I. Cuff link or the like. 153,960, May 31.
- Lowe, Joe, Corporation, assignee: *See*—
Ash, Richard.
- Lowrey, Clyde J., assignor of one-half to J. C. Weigel, Dayton, Ohio. Transposition bracket. 155,301, Sept. 20.
- Loyacano, Erasmus L.: *See*—
Loyacano, Stephen J., and E. L.
- Loyacano, Stephen J., and E. L., New Orleans, La. Hot dog vending cart. 154,788, Aug. 9.
- Lubberts, John J., and L. J. Mulder, Grand Rapids, Mich., assignors to Tomlinson of High Point, High Point, N. C. Bed. 152,894, Mar. 1.
- Lubberts, John J., and L. J. Mulder, Grand Rapids, Mich., assignors to Tomlinson of High Point, High Point, N. C. Chair. 152,895, Mar. 1.
- Lubberts, John J., and L. J. Mulder, Grand Rapids, Mich., assignors to Tomlinson of High Point, High Point, N. C. Furniture base. 152,896, Mar. 1.
- Ludwig, Louis, New York, N. Y. Electrical cleat receptacle body. 152,275, Jan. 4.
- Ludwig, Louis, New York, N. Y. Electric cube tap. 152,992, Mar. 8.
- Ludwig, Sidney, Cleveland Heights, and R. R. Cull, Brecksville, Ohio. Combined antenna and support therefor. 152,429, Jan. 18.
- Lukeman, Richard J., Montreal, Quebec, Canada. Rosary. 155,819, Nov. 1.
- Luketa, Frank J., Seattle, Wash. Reading stand. 152,993, Mar. 8.
- Lum, George R., South Wilton, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wall mounting for a hand telephone. 152,276, Jan. 4.
- Lund, Martha M., Chicago, Ill. Book-holding lamp. 152,711, Feb. 15.
- Lund, Sidney C., assignor to Philip E. Wilcox, Inc., New York, N. Y. Lawn mower. 153,070, Mar. 15.
- Lundgren, Carl J., Bronx, N. Y. Sterilizing toothbrush container. 154,689, Aug. 2.
- Lundstedt, Albin, Santa Monica, Calif. Fishing rod tip. 153,370, Apr. 12.
- Lundy, Elmer A., New York, N. Y. Combination refrigerator, electric hot plate, and water cooler unit. 153,071, Mar. 15.
- Lushbaugh, Roy E., New Albany, Ind. Ridge plate or similar article. 155,018, Aug. 30.
- Lushbaugh, Roy E., New Albany, Ind. Fair leader or similar article. 155,820, Nov. 1.
- Lusterman, Isidor, New York, N. Y. Umbrella. 153,812, May 17.
- Lusterman, Isidor, New York, N. Y. Umbrella. 153,813, May 17.
- Lustgarten, Irving, New York, N. Y. Bunting or the like. 156,446, Dec. 13.
- Lustig, Frank: *See*—
Nelson, Harris E., and Lustig.
- Lux, Eugene J., New York, N. Y., assignor to Columbia Protoktosite Company, Inc., Carlstadt, N. J. Reclining chair or similar article. 152,346, Jan. 11.
- Lux, Eugene J., New York, N. Y., assignor to Columbia Protoktosite Co., Inc., Carlstadt, N. J. Comb. 153,299, Apr. 5.
- Lynch, Charles W., Perry, Okla. Combination knife and scissors sharpener. 153,886, May 24.
- Lynch, John J., Brooklyn, N. Y. Bottle cap or similar article. 156,019, Nov. 15.
- Lynn, H. E., & Company, Inc., assignee: *See*—
MacCauley, Wilbur J.
- Lynn, Nancy R.: *See*—
Stringfellow, Marguerite, and Lynn.
- Lynn, Richard P., Corona, N. Y. Nail file brooch. 153,155, Mar. 22.
- Lyon, Luther S.: *See*—
Lipic, Sylvester G., and Lyon.

- M & B Metal Products Company, assignee: *See*—
Brekke, Oliver R.
- Mabs, Inc., assignee: *See*—
Minger, Robert E.
- Macaulay, Allen T., assignor to Tamac, Inc., Perry, Okla. Cup. 153,887, May 24.
- Macaulay, Edward, Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Combined motor vehicle grille and bumper. 152,714, Feb. 15.
- Macaulay, Edward, Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle instrument panel or similar article. 152,997, Mar. 8.
- Macaulay, Edward, Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Steering wheel for a vehicle. 154,860, Aug. 16.
- Macaulay, Edward, Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle inside panel or similar article. 154,938, Aug. 23.
- MacCauley, Wilbur J., assignor to H. E. Lynn & Company, Inc., Santa Monica, Calif. Pressure control regulator. 152,809, Feb. 22.
- Macchi, Angelo P., Walpole, assignor to Bird & Son, Inc., East Walpole, Mass. Hard-surfaced rug. 156,020, Nov. 15.
- MacDougall, Robert: *See*—
Prince, Earl S., and MacDougall.
- MacGregor, Libby, New York, N. Y. Textile fabric. 154,208, June 21.
- Mack, Joseph, Clifton, N. J., assignor to Hartford Textile Corporation, New York, N. Y. Tablecloth. 155,302, Sept. 20.
- Mackelfresh, William E., Jr., Chicago, Ill. Candle holder. 152,551, Feb. 1.
- Mackelfresh, William E., Jr., Chicago, Ill. Candle holder. 152,552, Feb. 1.
- Mackenzie, Dorothy E., Greenwich, Conn. Perfume bottle. 153,535, Apr. 26.
- Mackey, Jay A., Bridgeport, Conn. Fishing lure. 152,715, Feb. 15.
- MacLean, Malcolm A., West Bridgewater, assignor to A. H. Clime, North Abington, Mass. Bottle or similar container. 152,553, Feb. 1.
- MacMillin Engineering Corporation, assignee: *See*—
Norman, Richard M., and MacMillin.
- MacMillin, Norman F.: *See*—
Norman, Richard M., and MacMillin.
- Macpherson, Mildred, New York, N. Y. Dress. 153,439, Apr. 19.
- Macpherson, Mildred, New York, N. Y. Dress. 153,440, Apr. 19.
- Macpherson, Mildred, New York, N. Y. Dress. 155,720, Oct. 25.
- Macree, John, Forest Hills, and W. P. Gerhardt, Maspeth, N. Y. Combination waxing, spreading, and polishing device. 155,721, Oct. 25.
- MacWilliams, Paul D., Los Angeles, assignor, by mesne assignments, to L. M. and W. E. Neubeiser, Glendale, Calif. Folding knee mirror. 155,095, Sept. 6.
- MacWilliams, Paul D., Los Angeles, assignor, by mesne assignments, to L. M. and W. E. Neubeiser, Glendale, Calif. Folding knee mirror. 155,096, Sept. 6.
- Maddox, Dulane S., assignee: *See*—
Maddox, Ethel L.
- Maddox, Ethel L., assignor of one-half to D. S. Maddox, Macon, Ga. Vehicle service tray holder. 156,447, Dec. 13.
- Mader, William P., assignor to Roethel Engineering Corporation, Detroit, Mich. Ash tray. 153,714, May 10.
- Mader, William P., Detroit, Mich. Ash tray. 153,715, May 10.
- Mader, William P., assignor to Roethel Engineering Corporation, Detroit, Mich. Ash tray. 153,716, May 10.
- Madison, George F., Duke, Okla. Mobile diner. 156,547, Dec. 20.
- Magid, Robert P., Forest Hills, assignor to Hartford Textile Corporation, New York, N. Y. Plastic film material. 155,433, Oct. 4.
- Magid, Robert P., Forest Hills, N. Y. Plastic film tablecloth. 155,821, Nov. 1.
- Magnaluna Corporation, The, assignee: *See*—
Ballerino, Cecil.
- Magnavox Company, The, assignee: *See*—
Stone, Leland G.
- Magos, John P., Wilmette, and C. Bolling, assignors to Crane Co., Chicago, Ill. Shower head. 155,097, Sept. 6.
- Maguire, Leonard, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Weighing scale. 152,810, Feb. 22.
- Maguire, Leonard, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Weighing scale. 152,811, Feb. 22.
- Maier, John G., New York, N. Y. Fishing rod handle. 153,223, Mar. 29.
- Maier, William A., Detroit, Mich. Automobile visor. 154,789, Aug. 9.
- Maier, William A., Detroit, Mich. Automobile visor. 154,861, Aug. 16.
- Maier, William A., Detroit, Mich. Automobile visor. 155,434, Oct. 4.
- Main, David W., Denver, Colo. Spinning aerial cargo toy. 153,614, May 3.
- Main, David W., Denver, Colo. Airplane. 154,862, Aug. 16.
- Maison F. Melikov, Inc., assignee: *See*—
Melikov, Frances.
- Majeska, Yna A., New York, N. Y. Jewelry pendant. 156,135, Nov. 22.
- Majeska, Yna A., New York, N. Y. Jewelry pendant. 156,136, Nov. 22.
- Majeska, Yna A., New York, N. Y. Jewelry pendant. 156,137, Nov. 22.
- Majeska, Yna A., New York, N. Y. Jewelry pendant. 156,138, Nov. 22.
- Majeska, Yna A., New York, N. Y. Jewelry pendant. 156,139, Nov. 22.
- Majeska, Yna A., New York, N. Y. Jewelry pendant. 156,140, Nov. 22.
- Major, John, assignee: *See*—
Duester, Hans J.
Schaeffer, Charles.
- Malcolm, James A., assignor to The Chesapeake and Ohio Railway Company, Cleveland, Ohio. Uniform suit. 154,555, July 19.
- Male, Carleton, Flushing, N. Y., assignor to Sloane-Blabon Corporation. Display cabinet. 154,863, Aug. 16.
- Malkin, Simon, New York, N. Y. Record display counter. 153,961, May 31.
- Malm, Elmer K., Chicago, Ill. Milk pasteurizer or similar article. 155,822, Nov. 1.
- Malott, George B., Indianapolis, Ind. Guard plate for powered mower. 155,019, Aug. 30.
- Manchester Silver Company, Inc., assignee: *See*—
McAlpine, Edward B.
- Mandel Brothers, Inc., assignee: *See*—
Mandel, Leon.
- Mandel, Leon, assignor to Mandel Brothers, Inc., Chicago, Ill. Display stand. 154,790, Aug. 9.
- Mandel, Leon, assignor to Mandel Brothers, Inc., Chicago, Ill. Display stand. 155,173, Sept. 13.
- Mandina, William S., Kansas City, Mo. Child's rocking horse. 154,050, June 7.
- Mangold, Aurel E., New York, N. Y. Spectacle frame. 152,487, Jan. 25.
- Mangold, Aurel E., New York, N. Y. Spectacle frame. 154,133, June 14.
- Mangold, Thomas M., Cincinnati, Ohio. Manicurist bowl. 155,435, Oct. 4.
- Mankki, Onnie, Cleveland Heights, assignor to The Metaloid Co., Cleveland, Ohio. Paper towel holder. 153,156, Mar. 22.
- Mankouski, Charles, Newport, N. Y. Ash tray. 153,962, May 31.
- Mankouski, Charles, Newport, N. Y. Combination coaster and ash tray holder. 154,556, July 19.
- Manks, Joseph W., Edmonds, Wash. Cream separator. 156,021, Nov. 15.
- Manley, Clifford C., Willoughby, Ohio. Artificial fish lure. 156,141, Nov. 22.
- Mann, Stuart N., Buffalo, N. Y. Child's vehicle. 155,915, Nov. 8.
- Mann, Stuart N., Derby, N. Y. Simulated gearshift device. 155,823, Nov. 1.
- Mannheimer, Morton, Fresno, Calif. Clothes tree. 156,022, Nov. 15.
- Manning, Maxwell & Moore, Inc., assignee: *See*—
Gustafson, Folke M., and Little.
- Manning, Phillip M., assignee: *See*—
Painter, David L.
- Manning, Rosalie, assignee: *See*—
Painter, David L.
- Manns, Sam, Kenmore, N. Y. Ash tray. 155,020, Aug. 30.
- Man-Sew Corporation, assignee: *See*—
Sigoda, Victor J.
- Mansfield, Ralph, assignor to Auto-Test, Incorporated, Chicago, Ill. Power timing light. 154,557, July 19.
- Manville, Charles N., Lynwood, Calif. Booth. 152,277, Jan. 4.
- Manville, Charles T.: *See*—
Gow, Arthur R., and Manville.
- Mapes Consolidated Manufacturing Company, assignee: *See*—
De Reamer, William J.
- Mapes, Daniel, West Caldwell, N. J. Portable fire extinguisher or similar article. 152,812, Feb. 22.
- Mapes, Daniel, West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Fire extinguisher. 155,824, Nov. 1.
- Maple, Alpheus F., Westbury, assignor to American Bolex Company, Inc., New York, N. Y. Light meter. 154,558, July 19.
- Marathon Corporation, assignee: *See*—
Broeren, Frank L., and Krueger.
- Marbreit, Erwin, New York, N. Y. Chair frame. 156,448, Dec. 13.
- Marchal, Paul R., Paris, France. Air conditioning apparatus. 155,825, Nov. 1.
- Marchetti, Louis C., St. Paul, Minn. Tie knot ornament. 156,449, Dec. 13.
- Marchus, Amos H., Oakland, Calif. Dust cap for tire valve stems. 153,441, Apr. 19.
- Marcus, Matthew, assignor of one-half to G. C. Johnson, Nassau, Bahamas. Wrist watch bracelet. 154,559, July 19.

- Marder, Leo, Brooklyn, N. Y. Mirror or similar article. 156,356, Dec. 6.
- Margolis, Harry, Brooklyn, N. Y. Bubble blowing display device. 153,814, May 17.
- Margulies, Walter P., New York, N. Y. Bottle or similar article. 155,436, Oct. 4.
- Marinack, Patrick T., Glendale, and I. P. Dooley, Burbank, Calif. Needle dispenser. 152,630, Feb. 8.
- Marino, Joseph, Brooklyn, assignor to Eagle Electric Mfg. Co., Long Island City, N. Y. Attachable reading lamp. 155,617, Oct. 18.
- Marisneau, Joseph M., and R. Duval, Montreal, Quebec, Canada. Band saw. 156,643, Dec. 27.
- Marisneau, Joseph M., and R. Duval, Montreal, Quebec, Canada. Twin lathe. 156,644, Dec. 27.
- Marisneau, Joseph M., and R. Duval, Montreal, Quebec, Canada. Planer. 156,645, Dec. 27.
- Markley, Joseph M., Jr.: *See*—
Markley, Myron D. and J. M.
- Markley, Myron D., Southington, and J. M. Markley, Jr., Meriden, Conn. Holder for spice cans or similar article. 154,939, Aug. 23.
- Markoe, Jacob, Brooklyn, assignor to Select Jewelry Mfg. Co. Inc., Long Island City, N. Y. Toy article-dispensing device. 154,293, June 28.
- Marks, Maurice, Westport, Conn. Game apparatus or similar article. 154,690, Aug. 2.
- Marks, Max J.: *See*—
Schwartz, Martin W., and Marks.
- Marks, Bert H.: *See*—
Kling, Arnold G., and Marks.
- Marlow, Nicholas, Chicago, Ill. Memorandum pad or similar article. 154,294, June 28.
- Marlun Manufacturing Company, Inc., assignee: *See*—
Sado, Harry.
- Marossi, Maurice, and G. Cornell, New York, N. Y. Doll or similar article. 153,963, May 31.
- Marquardt, Oswald F., Montclair, N. J. Wrapping paper. 154,051, June 7.
- Marquardt, Oswald F., Montclair, N. J. Wrapping paper. 154,052, June 7.
- Mars Engineering & Mfg. Co., assignee: *See*—
Ulmer, Theodore.
- Mars Tool Company, assignee: *See*—
Stern, Kurt.
- Marsac, Leonard C., Cranford, and W. J. Peets, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 153,224, Mar. 29.
- Marsalis, Martin E., Fort Worth, Tex. Fluid pump. 154,617, July 26.
- Marsh, Milton, Plainville, S. Goldreich, Middletown, and L. C. Farley, Wethersfield, assignors to Raymond Products, Inc., Middletown, Conn. Towel holder. 155,175, Sept. 13.
- Martens, John K., Hutchinson, Kans. Nut cracker. 153,888, May 24.
- Marti, Walter, Saginaw, Mich. Invalid's bathtub seat. 156,357, Dec. 6.
- Martin, Bryce: *See*—
Duncan, John L., and Martin.
- Martin, Edward D., Newtonton, assignor to Colt's Manufacturing Company, Hartford, Conn. Button. 153,371, Apr. 12.
- Martin, Glenn L., Company, The, assignee: *See*—
Butler, Charles W.
Delcher, Howard C., Jr., and Brockman.
Ebel, William K., Subasky, and van Zelm.
Ray, Calvin T.
Ray, Calvin T., Brockman, and Butler.
Vojik, Albert G., and Ray.
- Martin, José, New York, N. Y. Textile fabric. 154,618, July 26.
- Martin, Laurel J., Yucca Valley, Calif. Shoe or similar article. 153,889, May 24.
- Martin, Lewis E., Lewes, Del. Electric outlet plug. 155,174, Sept. 13.
- Martin, Lydia, assignee: *See*—
Caskey, Gordon H.
- Martin, Manuel, Los Angeles, Calif. Stand or similar article. 152,998, Mar. 8.
- Martin, Sidney W., Chicago, assignor to Bear Manufacturing Company, Rock Island, Ill. Wheel balancing device. 156,142, Nov. 22.
- Marty, Frank A., Los Angeles, Calif. Mirror. 152,347, Jan. 11.
- Marvel Jewelry Mfg. Company, assignee: *See*—
Albanese, Arthur.
- Marx, Joe J., Cincinnati, assignor to So-Lo Works Incorporated, Loveland, Ohio. Overshoe. 154,501, July 12.
- Marx, Joe J., Cincinnati, assignor to So-Lo Works Incorporated, Loveland, Ohio. Boot. 154,502, July 12.
- Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J.
Lohr, Raymond J., and Campbell.
- Maryland Baking Company, Inc., assignee: *See*—
Heyman, Albert A.
- Masche, Annie H., Charleston, S. C. Salad dish or similar article. 155,916, Nov. 8.
- Mascia, Anthony J., Flushing, N. Y. Pendant ornamental frame for costume jewelry. 155,722, Oct. 25.
- Maselli, William V., Woodbridge, Conn. Multiple fireplace for outdoor use. 152,813, Feb. 22.
- Maslo, William: *See*—
Young, Arthur P., and Maslo.
- Mason-Williams Company: *See*—
Warner, Michael M.
- Massey, Augustine H., Stratford, Conn. Heater plug. 152,631, Feb. 8.
- Massillon Wire Basket Company, The, assignee: *See*—
Powell, Charles C.
- Masten, Neilson K., Seattle, Wash. Toy. 152,632, Feb. 8.
- Master Appliance Mfg. Co., assignee: *See*—
Meltzer, Rudolph L.
- Master Metal Products, Inc., assignee: *See*—
Federico, Joseph B.
- Mastercraft Plastics Co. Inc., assignee: *See*—
Derham, Philip.
- Mastercrafters Clock & Radio Co., assignee: *See*—
Lerman, Ben.
- Matas, Joseph, Berwyn, Pa. Lamp. 152,999, Mar. 8.
- Matrick, James, Portsmouth, N. H. Shoe or similar article. 153,890, May 24.
- Matson, Raymond N., assignee: *See*—
Ruppert, Clarence J.
- Mattison, Samuel B., Pasadena, Calif. Barbecue apron. 155,723, Oct. 25.
- Mattman, Frank F., Cliffside Park, N. J. Sled runner for wheeled vehicles. 154,406, July 5.
- Maugham, Syrie, New York, N. Y. Knife. 152,633, Feb. 8.
- Maunde, Paul B., and O. E. Gilmer, said Gilmer assignor of one-fourth to L. W. Hedrick, Dallas, Tex. Kitchen utility cabinet. 156,548, Dec. 20.
- Maupin, Lillian F., Canadian, Tex. Hat. 156,143, Nov. 22.
- May Hostery Mills, assignee: *See*—
Blum, Robert D., Jr., and Schwartz.
Schwartz, Shepard B., and Blum.
Schwartz, Shepard B., and Blum, Jr.
- May, Robert A.: *See*—
Van Doren, Harold, and May.
- May, Robert A., Wynnewood, Pa., assignor to C. Howard Hunt Pen Co., Camden, N. J. Pencil sharpener. 152,554, Feb. 1.
- Mayer, Albert W., Tampa, Fla. Bathroom wall fixture. 154,940, Aug. 23.
- Mayer China Company, assignee: *See*—
Silverman, Howard A.
- Mayes, Frank E., Fayetteville, Ark. Automobile. 155,303, Sept. 20.
- Mayfield, Jean B., assignor to J. S. Lindemann, New York, N. Y. Bottle. 152,634, Feb. 8.
- Mayfield, Jean B., assignor to J. S. Lindemann, New York, N. Y. Bottle. 155,021, Aug. 30.
- Maynard, Harold B., Pittsburgh, and C. W. Punton, Wilkingsburg, assignors to Haskell Manufacturing Co., Inc., Pittsburgh, Pa. Drafting desk. 154,941, Aug. 23.
- Maytag Company, The, assignee: *See*—
Smith, Thomas R.
- Mazer Bros. Inc., assignee: *See*—
Fleuridas, André.
- McAleer, E. J., and Co., Inc., assignee: *See*—
Link, Charlotte M.
- McAlpine, Edward B., Cranston, R. I., assignor to Manchester Silver Company, Inc. Spoon or similar article. 153,964, May 31.
- McAlpine, Edward B., Cranston, R. I., assignor to Manchester Silver Company, Inc. Spoon or similar article. 153,965, May 31.
- McBirney, Nettie C., Tulsa, Okla. Cookie molding cutter. 156,549, Dec. 20.
- McBride, William B.: *See*—
Selikoff, William, and McBride.
- McCabe, John J., New York, N. Y. Ash tray or similar article. 154,295, June 28.
- McCaldry, Inc., assignee: *See*—
Apple, Merrill K.
- McCann, Clyde D., Des Moines, Iowa. Lighting fixture. 152,994, Mar. 8.
- McCann, Clyde D., Des Moines, Iowa. Lighting fixture. 154,053, June 7.
- McCarty, Orley B., East Cleveland, Ohio. Brush and comb holder. 155,917, Nov. 8.
- McCauley Corporation, assignee: *See*—
McCauley, Ernest G., and Gamus.
- McCauley, Ernest G., and S. M. Gamsu, assignors to McCauley Corporation, Dayton, Ohio. Aircraft propeller. 152,712, Feb. 15.
- McCay, George B., and W. E. Hacker, Shaker Heights, Ohio. Combined paper holder and note book support. 154,560, July 19.
- McClellan, Carl, Detroit, Mich. Table lamp. 155,098, Sept. 6.
- McCollum, Jesse L., Kaufman, Tex. Fish lure. 152,713, Feb. 15.
- McConnell, Allan, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bottom for bowling ball bags or the like. 156,144, Nov. 22.
- McConnell, James E., Northridge, and F. Ferrin, Chatsworth, Calif., said Ferrin assignor to said McConnell. Toy animal figure. 156,550, Dec. 20.
- McCormick, Charles E., Detroit, Mich. Automobile seat. 154,864, Aug. 16.
- McCowan, Barbara A.: *See*—
McCowan, David A., Jr., B. A., and P. M.

- McCowan, David A., Jr., B. A., and P. M., Toronto, Ontario, Canada. Beverage dispensing apparatus. 156,450, Dec. 13.
- McCowan, Peter M.: *See—*
- McCowan, David A., Jr., B. A., and P. M.
- McCray Refrigerator Company, assignee: *See—*
- Greiling, David J.
- McCutcheon, Freda C., Superior, Wis. Bird feeding hopper. 154,407, July 5.
- McDonald, Andrew W., Caledonia, Ill. Bottle stopper. 153,300, Apr. 5.
- McDonald, Edward F., Buffalo, N. Y. Combined cover and cigarette, cigar, and pipe rest for ash trays. 155,524, Oct. 11.
- McDougall, Laurance, Goliat, Tex. Table ornament or similar article. 153,966, May 31.
- McDowell, Alfred L., San Jose, Calif. Container for barbers' clippers and vibrators. 156,358, Dec. 6.
- McFarland, Artie F., assignor to McFarland Manufacturing Corporation, Houston, Tex. Pump. 154,619, July 26.
- McFarland, Artie F., assignor to McFarland Manufacturing Corporation, Houston, Tex. Pump. 154,620, July 26.
- McFarland, Herbert H., San Francisco, Calif. Bracelet. 156,359, Dec. 6.
- McFarland Manufacturing Corporation, assignee: *See—*
- McFarland, Artie F.
- McFerran, Joe W., Detroit, Mich. Gameboard. 153,157, Mar. 22.
- McGee, Mary C., Hempstead, N. Y. Tablecloth or similar article. 153,158, Mar. 22.
- McGovern, Henry P., Fayville, assignor to Dennison Manufacturing Company, Framingham, Mass. Box or the like. 152,814, Feb. 22.
- McGraw, Edward H., Cambridge, Mass. Disposal receptacle. 154,408, July 5.
- McGraw Electric Company, assignee: *See—*
- Reinecke, Jean O.
- McGuire, John S., Kansas City, Mo. Fishing rod handle. 156,360, Dec. 6.
- McInnis, Joseph S., assignor to Metallic Arts Corporation, Chicago, Ill. Smoking stand. 155,724, Oct. 25.
- McIntosh, Frank, assignor to Lenthier, Incorporated, New York, N. Y. Combination bottle and closure cover. 153,225, Mar. 29.
- McIntosh, Frank, assignor to Lenthier Incorporated, New York, N. Y. Vanity or the like. 153,372, Apr. 12.
- McKamen, Russell, Chicago, Ill. Envelope moistener. 155,022, Aug. 30.
- McKay Products Corporation, The, assignee: *See—*
- Simmons, Earl W.
- McKay, William L., Evanston, assignor to Kayware Corporation, Chicago, Ill. Child's cup. 153,304, Sept. 20.
- McKee, Raymond J., Brooklyn, N. Y. Finger support for manicuring operations. 153,815, May 17.
- McKenna, Edward F., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Combined telephone desk stand and handset. 152,278, Jan. 4.
- McKenna, Russell E., Warwick, R. I., assignor to Walter H. McKenna & Co., Inc. Spoon or the like. 154,942, Aug. 23.
- McKenna, Walter H., & Co., Inc., assignee: *See—*
- McKenna, Russell E.
- McKie, Joy L., Salina, Kans. Hat. 152,995, Mar. 8.
- McKiernan, Thomas B., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Liquor jigger or similar article. 152,279, Jan. 4.
- McKiernan, Thomas B., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Liquor jigger or similar article. 152,280, Jan. 4.
- McKinnon, John H., Marshall, Tex. Pitcher. 154,691, Aug. 2.
- McMahon, James J., Sydney, New South Wales, Australia. Serving cart. 156,361, Dec. 6.
- McMichael Radio Limited, assignee: *See—*
- Gregory, Louis.
- McMillen, Ward, Toledo, Ohio. Knife handle. 154,134, June 14.
- McNamara, Lawrence T., South St. Paul, Minn. Punch and riveting tool. 154,561, July 19.
- McNamara, Walter F., Chicago, Ill. Gameboard stand. 154,409, July 5.
- McNeil, Raymond P., Stratford, Conn. Key case. 153,159, Mar. 22.
- McPhail, Robert G., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Glass plate for lighting fixtures. 153,536, Apr. 26.
- McQuillan, Donald S., assignor to Spartan Saw Works, Inc., Springfield, Mass. Hack saw. 152,996, Mar. 8.
- McWilliams, George, Lower Kersal, Salford, England. Double saucer or the like. 155,826, Nov. 1.
- Mead, Lannon F., assignor to The Regina Corporation, Rahway, N. J. Can opener. 152,716, Feb. 15.
- Meagher, Fred L., Syosset, N. Y., assignor to Mills Industries, Incorporated, Chicago, Ill. Cabinet for cigarette vending machine. 154,410, July 5.
- Meagher, Fred L., Syosset, N. Y., assignor, by mesne assignments, to Mills Industries, Incorporated, Chicago, Ill. Vending machine. 155,352, Sept. 27.
- Mechur, Bert, and W. Riedler, New York, N. Y. Knee pad. 152,635, Feb. 8.
- Mechur, Bert, and W. Riedler, New York, N. Y. Machine for shaping shoulder pads or the like. 155,099, Sept. 6.
- Medgyes, Ladislav, assignor to Helena Rubinstein, Inc., New York, N. Y. Nail polish bottle holder and finger rest. 154,054, June 7.
- Medgyes, Ladislav, assignor to Helena Rubinstein, Inc., New York, N. Y. Container for cosmetics and the like. 155,525, Oct. 11.
- Medlin, Lewis A., Oreland, assignor to Fox Products Company, Philadelphia, Pa. Portable battery charger. 153,967, May 31.
- Meha, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Indicator for an electronic calculating machine. 156,261, Nov. 29.
- Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Electronic calculating machine. 156,262, Nov. 29.
- Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Calculating machine. 156,263, Nov. 29.
- Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Calculating machine. 156,264, Nov. 29.
- Mehlhaft, Rayburn D., Lodi, Calif. Wall fixture. 153,000, Mar. 8.
- Mehr, Jacob A., St. Louis, Mo. Ultraviolet lamp. 152,281, Jan. 4.
- Mehr, Jacob A., St. Louis, Mo. Combined lamp and magnifier. 152,282, Jan. 4.
- Mehr, Jacob A., St. Louis, Mo. Reflector head for an ultraviolet lamp. 152,348, Jan. 11.
- Mehr, Jacob A., St. Louis, Mo. Lamp bracket. 155,827, Nov. 1.
- Meirink, Walter H., Belleville, Ill. Shower fixture. 154,209, June 21.
- Meisel, Murray A.: *See—*
- Secofsky, Abraham, Meisel, and Zalman.
- Melendez, Lucy B. and P., Los Angeles, Calif. Hair-dresser's tint tray. 155,176, Sept. 13.
- Melendez, Pedro: *See—*
- Melendez, Lucy B. and P.
- Melikov, Frances, assignor Maison F. Melikov, Inc., Chicago, Ill. Bottle. 154,411, July 5.
- Mell-Hoffmann Mfg. Co., assignee: *See—*
- Mell, William E.
- Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Paper dispenser. 154,692, Aug. 2.
- Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Paper dispenser. 154,693, Aug. 2.
- Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Combination paper dispenser and spice container holder. 154,943, Aug. 23.
- Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Combination paper dispenser and spice container holder. 154,944, Aug. 23.
- Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Paper dispenser. 156,646, Dec. 27.
- Mellen, Charles R., Geneva, N. Y. Hand trap for throwing clay birds. 154,865, Aug. 16.
- Mello, Samuel T.: *See—*
- Hooz, Benjamin, and Mello.
- Meltzer, Henry D., Racine, Wis. Amalgam mixer. 152,488, Jan. 25.
- Meltzer, Rudolph L., assignor to Master Appliance Mfg. Co., Racine, Wis. Hair drier. 155,828, Nov. 1.
- Menches, Gladys L.: *See—*
- Anderson, Stanley E., and Menches.
- Menda Company, assignee: *See—*
- Menkin, Benjamin D.
- Mendes, Manuel J., San Francisco, Calif. Automobile. 155,829, Nov. 1.
- Mendes, Manuel J., San Francisco, Calif. Automobile. 156,551, Dec. 20.
- Menkin, Benjamin D., Los Angeles, Calif., assignor to Menda Company. Dispensing container or similar article. 153,301, Apr. 5.
- Mennesson, Marcel, assignor to Societe d'Appareil de Controle & d'Equiment des Moteurs (S. A. C. E. M.) S. A., Neuilly-sur-Seine, France. Bicycle. 152,430, Jan. 18.
- Meno, Stanley J., Toronto, Ontario, Canada. Writing instrument or the like. 153,891, May 24.
- Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article of tableware. 153,615, May 3.
- Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article of tableware. 153,616, May 3.
- Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article of tableware. 153,617, May 3.
- Mercier, Gerard: *See—*
- Bélanger, Emile, and Mercier.
- Mercury Ring Corp., assignee: *See—*
- Bergman, Arthur.
- Mergott, J. E., Co., The, assignee: *See—*
- Sporman, Robert T.
- Merhar, Frank J., Portland, Oreg. Casing for punchboards. 154,412, July 5.
- Merrell Company, The, assignee: *See—*
- Miller, Merrell F.
- Merz Engineering Company, assignee: *See—*
- Rupley, Frederick L.
- Messick, Thomas W., Mattoon, Ill. Fishing lure. 152,636, Feb. 8.
- Metal Carrier Corporation, assignee: *See—*
- Stevenson, Ralph W.
- Metallic Arts Corporation, assignee: *See—*
- McInnis, Joseph S.

- Metaloid Co., The, assignee: *See*—
Mankki, Onnie.
- Meteor Manufacturing Corp., assignee: *See*—
Selikoff, William, and McBride.
- Metro, Paul, Brookfield, Ohio. Child's combined desk and toy chest, or the like. 153,373, Apr. 12.
- Metzler, Charles L.: *See*—
Schladermundt, Peter, and Metzler.
Schladermundt, Peter, Metzler, and Hallander.
- Metzler, Charles L., Palisades Park, N. J., assignor to Stratford Pen Corporation, New York, N. Y. Writing instrument. 152,717, Feb. 15.
- Metzler, Charles L., Palisades Park, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Vending machine. 156,647, Dec. 27.
- Meucci, Ivo C., Chicago, Ill. Perfume display table. 154,413, July 5.
- Meyer, Alvin B., New York, N. Y. Fire extinguisher. 152,718, Feb. 15.
- Meyer, Carl P., Cicero, Ill. Combination portable display and storage case for rare postage stamps. 155,618, Oct. 18.
- Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Louvered fluorescent lighting fixture. 153,001, Mar. 8.
- Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Louvered fluorescent lighting fixture. 153,002, Mar. 8.
- Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Louvered fluorescent lighting fixture. 153,003, Mar. 8.
- Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 155,305, Sept. 20.
- Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Louvered fluorescent lighting fixture. 155,306, Sept. 20.
- Meyer, Elliott: *See*—
Gogolick, Harry, and Meyer.
- Meyer, Joseph F., St. Paul, Minn. Paper napkin holder. 156,552, Dec. 20.
- Meyer, Marthe, Fairlawn, N. J., assignor to Lucien Forester Corporation, New York, N. Y. Textile fabric or similar article. 156,648, Dec. 27.
- Meyerco Company, The, assignee: *See*—
Adair, James E.
- Meyers Aircraft Company, assignee: *See*—
Cosner, Norman D.
- Meyers, Walter D., assignor to Watterson Radio Manufacturing Corporation, Dallas, Tex. Radio cabinet or similar article. 156,265, Nov. 29.
- Michals, Theodore T., Chicago, Ill. Chair. 155,023, Aug. 30.
- Midouhas, Stephen P., Bristol, Pa. Toy soda fountain. 152,815, Feb. 22.
- Mid-West Bottle Cap Co., assignee: *See*—
Sonnenberg, Rudolph.
- Miekley, Robert, Essington, Pa. Electrical Hawaiian guitar. 152,897, Mar. 1.
- Miglioretti, James, assignor, by mesne assignments, to Roma Wine and Liquor Company, Incorporated, Baltimore, Md. Bottle. 153,374, Apr. 12.
- Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Coin operated amusement machine or the like. 152,816, Feb. 22.
- Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Coin operated amusement machine or the like. 152,817, Feb. 22.
- Milano, Nicolas, Euclid, Ohio. Waffle or the like. 153,537, Apr. 26.
- Miles, John R., Desplaines, assignor to Swain Nelson Company, Glenview, Ill. Telescope. 153,302, Apr. 5.
- Miles Laboratories, Inc., assignee: *See*—
Beardsley, Edward H., and Lobley.
- Millard, Glen E., St. Paul, Minn. Display case. 152,555, Feb. 1.
- Millbrook Manufacturing Corp., assignee: *See*—
Gorman, Harry.
- Miller, Arthur W., Irvington, N. J. Flashlight. 152,719, Feb. 15.
- Miller, Cecil: *See*—
Snyder, Paul L., and Miller.
- Miller, Harry G., Sr., Kansas City, Kans. Manhole cover. 153,303, Apr. 5.
- Miller, Hershel W.: *See*—
Boileau, Arthur H., Rayman, and Miller.
- Miller, I., & Sons, Inc., assignee: *See*—
Levin, David E.
- Miller, Irving, New York, N. Y. Animal figure. 154,055, June 7.
- Miller, Juanita, Oakland, Calif. Harp. 152,349, Jan. 11.
- Miller, Julius Z., and L. M. Easterling, Clarksville, Tenn. Gaiter. 156,649, Dec. 27.
- Miller Litter Company, assignee: *See*—
Miller, Price B.
- Miller, Merrell F., assignor to The Merrell Company, Oakland, Calif. Game board. 154,866, Aug. 16.
- Miller, Morris, Roxbury, assignor to Bancroft-Relhm Corp., Boston, Mass. Combination juvenile seat and box for toys or similar articles. 155,619, Oct. 18.
- Miller, Myron C., Seattle, Wash. Fish lure. 155,307, Sept. 20.
- Miller, Price B., assignor to Miller Litter Company, Kansas City, Mo. Cigarette lighter. 154,945, Aug. 23.
- Miller, Robert A.: *See*—
Olson, Henry L., and Miller.
- Miller, Vivian, assignee: *See*—
Caskey, Gordon H.
- Millers Falls Company, assignee: *See*—
Moretti, Whitfield.
- Millgard, Hugh J.: *See*—
Clasen, Arthur C., Millgard, and Phelps.
- Millington, William, Grand Rapids, Mich., and W. M. Day, Norwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano. 154,296, June 28.
- Millington, William, Grand Rapids, Mich., and W. M. Day, Norwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 154,867, Aug. 16.
- Millington, William, Grand Rapids, Mich., and W. M. Day, Norwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 156,451, Dec. 13.
- Mills, Howard V., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic press. 153,892, May 24.
- Mills Industries, Incorporated, assignee: *See*—
Meagher, Fred L.
Vassos, John.
- Millward, Harry L., Sr., Steelton, Pa. Tie rack. 155,100, Sept. 6.
- Milton, Nathaniel B., Los Angeles, Calif. Electric vaporizer. 153,226, Mar. 29.
- Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.
- Milwaukee Saddlery Company, assignee: *See*—
Hampel, John R.
- Miner, W. H., Inc., assignee: *See*—
Lounsbury, Harvey J.
- Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 153,072, Mar. 15.
- Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,526, Oct. 11.
- Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,527, Oct. 11.
- Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,528, Oct. 11.
- Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,529, Oct. 11.
- Minnneapolis-Honeywell Regulator Company, assignee: *See*—
Wills, Walter P.
- Minnis, George F., Chicago, Ill. Wringer. 153,004, Mar. 8.
- Minnis, George F., Chicago, Ill. Mop wagon. 156,145, Nov. 22.
- Minnis, George F., Chicago, Ill. Mop wagon. 156,146, Nov. 22.
- Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Burt, Lela.
Goeller, Doris A.
- Misson, William H., Los Altos, Calif. Paper punch. 152,283, Jan. 4.
- Missouri Automatic Control Corporation, assignee: *See*—
Lee, Emery C.
- Mitchell, Bernard A., Chicago, Ill. Lighting fixture or the like. 154,791, Aug. 9.
- Mitchell, Grover I., Manchester, Conn. Boat. 155,620, Oct. 18.
- Mitchell, Harry C.: *See*—
Comeau, John E., and Mitchell.
- Mitchell, John E., New Brighton, assignor to R. E. Chambers Company, Inc., Beaver Falls, Pa. Amusement ride car. 156,023, Nov. 15.
- Mitchell, Wilbur A. E., assignee: *See*—
Ince, Gilbert J.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,637, Feb. 8.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,638, Feb. 8.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,639, Feb. 8.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,640, Feb. 8.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,717, May 10.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,718, May 10.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,719, May 10.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,720, May 10.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,721, May 10.

- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 154,694, Aug. 2.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 154,695, Aug. 2.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 154,696, Aug. 2.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 154,697, Aug. 2.
- Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 154,698, Aug. 2.
- Mock, Thomas M., and H. H. Weber, Beverly Hills, Calif. Carpet sweeper. 154,297, June 28.
- Modine Manufacturing Company, assignee: *See*—Reinecke, Jean O. Teague, James.
- Moeller, John H., San Francisco, Calif. Infant's commode. 154,946, Aug. 23.
- Moffats Limited, assignee: *See*—Reynolds, Carl, Jr.
- Moffett, Archibald R., Orinda, Calif. Tire inflator. 154,135, June 14.
- Molin, Benjamin, and J. Rosenbaum, Brooklyn, N. Y. Hat. 155,437, Oct. 4.
- Molloy, Everett W., Wilmar, assignor to National Technical Laboratories, South Pasadena, Calif. Radiation meter. 154,699, Aug. 2.
- Moloney, Raymond T., assignee: *See*—Collins, Edward J.
- Monarch Governor Company, assignee: *See*—Perry, Frank C.
- Monark Silver King, Inc., assignee: *See*—Dougherty, Jack.
- Monitor Knitwear Corp., assignee: *See*—Kaplan, Abraham. Kaplan, Abraham A.
- Mont, James, New York, N. Y. Sofa. 152,720, Feb. 15.
- Montanye, Carlyle N., Baltimore, Md. Calendar stand or similar article. 154,298, June 28.
- Montrose, Ruth, New York, N. Y. Textile fabric. 155,530, Oct. 11.
- Mooney, Phoebe L., Johnson County, Kans. Doll. 155,830, Nov. 1.
- Moore, Cyril V., Westerly, R. I. Garment supporting button. 153,442, Apr. 19.
- Moore, Harry W., Dayton, Ohio. Coil winding machine. 152,350, Jan. 11.
- Moore, Jack L., Lawton, Okla. Hat. 153,538, Apr. 26.
- Moore, Richard S., Dallas, Tex. Combination radiant and circulating heater. 155,918, Nov. 8.
- Moore, Robert L., assignor to Binswanger-Hendin Industries, Memphis, Tenn. Waste receptacle. 153,443, Apr. 19.
- Moore, Shelton H., and R. Freedman, Baltimore, Md. Cruising light. 154,947, Aug. 23.
- Moorman, Albert S., Kew Gardens, N. Y. Gameboard. 154,414, July 5.
- Mora, Vincent I.: *See*—Hageman, Frank P., and Richardson.
- Moran, Joseph H., Danbury, Conn. Soap dish. 154,415, July 5.
- Moretti, Whitfield, assignor to Millers Falls Company, Greenfield, Mass. Electric tool unit. 155,531, Oct. 11.
- Morgan, Jack, Chicago, Ill., assignor to Automatic Washer Company, Newton, Iowa. Combined washing machine and wringer. 153,893, May 24.
- Morgan, Jack, assignor to Price Brothers, Inc., Chicago, Ill. Display sign. 154,299, June 28.
- Morgan, James P., assignor to Frank Smith Silver Company, Gardner, Mass. Spoon or similar article of tableware. 154,416, July 5.
- Morgan, James P., assignor to Frank Smith Silver Company, Gardner, Mass. Table knife or similar article. 154,417, July 5.
- Morgan, John R., Chicago, assignor to Dunbar Kapple, Inc., Geneva, Ill. Trailer body or similar article. 153,375, Apr. 12.
- Morgan, Naomi O., New York, N. Y. Sun skirt. 154,621, July 26.
- Morgenstern, David M., Cleveland, Ohio. Combined vehicle lamp and bracket. 153,227, Mar. 29.
- Morgenstern, David M., Cleveland, Ohio. Vehicle lamp. 153,228, Mar. 29.
- Morgenstern, David M., Cleveland, Ohio. Combined vehicle lamp and bracket. 153,229, Mar. 29.
- Mork, George W., South Milwaukee, Wis. Combined tractor radiator cover and hook. 155,831, Nov. 1.
- Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Implement supporting frame for tractors. 156,362, Dec. 6.
- Morris, Bert M., Los Angeles, Calif. Letter tray or similar article. 154,300, June 28.
- Morris, Harry L., Ocean View, Va. Can punch. 154,792, Aug. 9.
- Morris, Nathan K., Asbury Park, N. J. Vegetable slicer. 152,721, Feb. 15.
- Morris, Nathan K., Belmar, N. J. Bottle fizz-cap. 154,503, July 12.
- Morris, Thomas S., Birmingham, Ala. Combined flower stand and trellis. 154,136, June 14.
- Morrison-Atlas Products, assignee: *See*—Morrison, Morris.
- Morrison, Louis, New York, N. Y. Fountain pen or similar article. 155,532, Oct. 11.
- Morrison, Montford, Upper Montclair, N. J., assignor to Ritter Company, Inc., Rochester, N. Y. Combined film cassette dispensing and storage unit. 153,160, Mar. 22.
- Morrison, Morris, assignor to Morrison-Atlas Products, Chicago, Ill. Hair wave fluid applicator or similar article. 155,308, Sept. 20.
- Morrison, Morris, assignor to Morrison-Atlas Products, Chicago, Ill. Hair wave fluid applicator or similar article. 155,309, Sept. 20.
- Morrison, Osmond B., Marion, Ohio. Scaffold. 154,504, July 12.
- Morrison, Samuel O., Pine Ridge, Pa. Water cooler. 152,722, Feb. 15.
- Morrison, Willard L., Jr., assignor to West Bend Aluminum Co., West Bend, Wis. Pressure cooker or the like. 153,968, May 31.
- Morrison, Peter J., assignor to Tamor Plastics Corp., Leominster, Mass. Goggle front. 154,868, Aug. 16.
- Morrison, Peter J., Leominster, Mass. Comb. 156,024, Nov. 15.
- Morse, Richard K., Fruitport, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Casing for a billiard scoring device or the like. 155,621, Oct. 18.
- Mortrude, Albert D., Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio. Teakettle. 153,816, May 17.
- Mortrude, Albert D., Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio. Handle for cooking utensils. 153,817, May 17.
- Mortrude, Albert D., Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio. Dutch oven. 153,894, May 24.
- Mosio, Ernest P., Cleveland, Ohio. Fly swatter. 154,622, July 26.
- Motif Manufacturing Co., Inc., assignee: *See*—Kuczajda, Frederick J.
- Motor Wheel Corporation, assignee: *See*—Wilson, Lawrence H.
- Motorola, Inc., assignee: *See*—Jenks, Albert L. Kamin, Vernon A.
- Mouldovan, Aaron, Brooklyn, N. Y. Back for a billfold. 153,444, Apr. 19.
- Moulson, Frederick W., Rehoboth, Mass., assignor to B. A. Ballou & Co. Incorporated. Ear clip finding. 156,452, Dec. 13.
- Mousley, George E., Inc., assignee: *See*—Kingson, Justin I.
- Mozneck, Ulysses S., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Tool holder or the like. 155,024, Aug. 30.
- Mueller, C. F. Company, assignee: *See*—Mueller, Samuel.
- Mueller, John, Saginaw, Mich. Barometer. 153,376, Apr. 12.
- Mueller, Samuel, Maplewood, assignor to C. F. Mueller Company, Hudson County, N. J. Noodle or similar article. 155,533, Oct. 11.
- Muhlenbrook, Henry C., Glendale, and J. Feldman, New York, N. Y. Wreath. 155,832, Nov. 1.
- Mulder, Lambert J.: *See*—Lubberts, John J. and Mulder.
- Muldoon, William J., Garden City, N. Y., assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Combined telephone handset and mounting device. 155,353, Sept. 27.
- Mulholland, Christopher B., New York, N. Y. Combined crucifix and candle holder. 156,025, Nov. 15.
- Muller, Gerard, assignor to Cartier, Inc., New York, N. Y. Perfume container or the like. 152,898, Mar. 1.
- Muller, Gertrude A., Fort Wayne, Ind. Child's toilet seat. 155,101, Sept. 6.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to The Hartford Products Corporation, Chicago, Ill. Beverage brewing device. 152,284, Jan. 4.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor, by mesne assignments, to The Silcox Company, Hartford, Conn. Electric stove. 154,418, July 5.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to Prophy-lac-Ice Brush Company, Northampton, Mass. Hairbrush. 155,310, Sept. 20.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to The Silcox Company, Hartford, Conn. Coffee warmer or similar article. 155,354, Sept. 27.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Beverage serving utensil. 155,438, Oct. 4.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Beverage serving utensil. 155,439, Oct. 4.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Percolator knob. 155,440, Oct. 4.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Percolator knob. 155,441, Oct. 4.
- Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Cooking utensil. 155,442, Oct. 4.

- Muller-Munk, Peter, Pittsburgh, Pa., assignor to The Hartford Products Corporation, Chicago, Ill. Coffee maker. 156,147, Nov. 22.
- Muller, William J., New Orleans, La. Lawn mower. 152,899, Mar. 1.
- Mulloy, William T., Covington, Ky. Liturgical fabric or similar article. 154,869, Aug. 16.
- Mulloy, William T., Covington, Ky. Liturgical fabric or similar article. 154,870, Aug. 16.
- Munising Paper Company, The, assignee: *See*—
Foord, Frederick A.
- Munz, Robert E.: *See*—
Bec Var, Arthur N., and Munz.
- Muramatsu, Misao, Los Angeles, Calif. Sewing accessory or similar article. 152,556, Feb. 1.
- Murphy, Frank L., Chicago, and R. W. Haman, Flossmoor, assignors, to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car body. 153,618, May 3.
- Murphy, Frank L., and J. E. Candlin, Jr., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 155,622, Oct. 18.
- Murray Corporation of America, The, assignee: *See*—
Shapter, Robert D.
- Murray, Francis, East Cleveland, Ohio. Combination cigarette holder and ejector. 152,900, Mar. 1.
- Murray-Ohio Manufacturing Company, The, assignee: *See*—
Schreckengost, Viktor.
- Murray, Robert E., Clayton, Mo. Rosary. 153,377, Apr. 12.
- Murray, William H., Houston, Tex. Taxi top light. 153,969, May 31.
- Murtaugh, Bernard B., Philadelphia, Pa. Combined table and chairs. 156,363, Dec. 6.
- Mushta, Igor, New York, N. Y. Utility cabinet. 154,419, July 5.
- Musselman, Henry E., and W. H. Buck, Kalamazoo, Mich. Condiment shaker. 152,641, Feb. 8.
- Myers, Charles S., Altadena, assignor to E. P. Jordan, West Los Angeles, Calif. Water softener valve housing. 153,230, Mar. 29.
- Myers, Clair L., Chicago, Ill. Knee rest. 156,453, Dec. 13.
- Myers, Leslie W., and C. L. Waldo, assignors to Cosmet Co., Minneapolis, Minn. Pair of spectacles or similar article. 153,005, Mar. 8.
- Myers, Lillie L., Coleman, Tex. Matchbox. 153,304, Apr. 5.
- Myre, Clifford R., assignee: *See*—
Darr, Harold W.
- Nachman, Joseph, Philadelphia, Pa. Shirt. 153,970, May 31.
- Nagel, John D., and W. Lang, Chicago, Ill. Combined ash tray and game device. 154,562, July 19.
- Nahser, Frank C., Chicago, Ill. Bottle. 153,231, Mar. 29.
- Nanna, Frank S., North Lake Village, Ill. Combination baby walker and stroller. 155,025, Aug. 30.
- Nathan, Edwin B., Bronx, N. Y. Handbag. 155,177, Sept. 13.
- Nathan, Jerome, New York, N. Y., and J. C. Haberman, Springfield, Mass. Lighting device. 152,642, Feb. 8.
- National Battery Company, assignee: *See*—
Blakely, Sidney B.
- National Cash Register Company, The, assignee: *See*—
Kirshner, Arthur C.
- National Die Casting Company, assignee: *See*—
Kline, Herbert J.
- National Lock Company, assignee: *See*—
Aleks, Vyntant P.
Burke, William O.
Stone, Roy A.
- National Metal Products Company, assignee: *See*—
Hilman, Keil E.
- National Pictorial Lamp, Inc., assignee: *See*—
Rubin, Herman.
- National Pressure Cooker Company, assignee: *See*—
Stevens, Clifford B.
- National Silver Company, assignee: *See*—
Bernstein, Milton.
Eisenberg, Arthur A.
Summon, Shirley.
Weber, Marion.
- National Steel Cabinet Co., assignee: *See*—
Berger, Irvin E.
- National Steel Corporation, assignee: *See*—
Harris, George K., Jr.
Hewlett, Thomas H.
Shannon, Harold S.
- National Store Fixture Co., Inc., assignee: *See*—
Bellin, Alvin J.
- National Technical Laboratories, assignee: *See*—
Molloy, Everett W.
- National Welding Equipment Co., assignee: *See*—
Hammon, George L.
- Native Laces & Textiles, Incorporated, assignee: *See*—
Fontaine, Jack.
- Natkin, Alfred, assignee: *See*—
Wende, Adolph H.
- Natkin, Bertram M., assignee: *See*—
Wende, Adolph H.
- Natkin & Company, assignee: *See*—
Wende, Adolph H.
- Naumoff, Morris M.: *See*—
Soloff, Robert, and Naumoff.
- Nave, Arthur R., Washington, N. J. Demagnetizer. 153,161, Mar. 22.
- Nebel, William, Charlotte, N. C. Lady's stocking. 152,643, Feb. 8.
- Nebel, William, Charlotte, N. C. Lady's stocking. 152,644, Feb. 8.
- Negbaur, H., & Co., assignee: *See*—
Negbaur, Harry.
- Negbaur, Harry, assignor to H. Negbaur & Co., New York, N. Y. Table lighter. 154,301, June 28.
- Nein, William C., New York, N. Y. List finder. 155,026, Aug. 30.
- Neldner, Gilbert J., assignor to G-N Tool & Engineering Co., Milwaukee, Wis. Dispenser for granular material. 156,266, Nov. 29.
- Nelems, Charles W., Tarrant, Ala., assignor to Nelems Manufacturing Company. Glider chair. 153,162, Mar. 22.
- Nelems Manufacturing Company, assignee: *See*—
Nelems, Charles W.
- Nelson, Adolph J., Oak Park, assignor to Boyco, Inc., Chicago, Ill. Wall clock. 153,163, Mar. 22.
- Nelson, Adolph J., Oak Park, assignor to Boyco, Inc., Chicago, Ill. Clock. 153,619, May 3.
- Nelson, Arthur W., Niagara Falls, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 154,871, Aug. 16.
- Nelson, Charles D., Jr., Arlington, Va. Taxicab cruising light. 153,971, May 31.
- Nelson, Charles D., Jr., Arlington, Va. Taxicab cruising light. 153,972, May 31.
- Nelson, Charles D., Jr., Arlington, Va. Taxicab cruising light. 155,919, Nov. 8.
- Nelson, Charles D., Jr., Arlington, Va. Taxicab cruising light. 155,920, Nov. 8.
- Nelson, Charles D., Jr., Arlington, Va. Taxicab cruising light. 155,921, Nov. 8.
- Nelson, Harris E., and F. Lustig, assignors to Revere Camera Company, Chicago, Ill. Movie projector carrying case. 154,623, July 26.
- Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind slat. 152,818, Feb. 22.
- Nelson, Herbert R., assignor to Princess Fabrics Corporation, New York, N. Y. Scarf or the like. 156,148, Nov. 22.
- Nelson, Herbert R., assignor to Princess Fabrics Corporation, New York, N. Y. Scarf or the like. 156,149, Nov. 22.
- Nelson, Herbert R., assignor to Princess Fabrics Corporation, New York, N. Y. Scarf or the like. 156,150, Nov. 22.
- Nelson, Jennings, St. Paul, Minn. Ash tray. 154,056, June 7.
- Nelson, Noral A., Royal Oak, assignor to Harry Ferguson, Inc., Detroit, Mich. Manure spreader. 154,057, June 7.
- Nelson, Robert D., assignor to Count-Rite Industries, Inc., Chicago, Ill. Poker chip counter. 153,973, May 31.
- Nelson, Robert J., New York, N. Y. Pleated fabric. 153,620, May 3.
- Nelson, Roy W., Cupertino, Calif. Strap for holding riding spurs to a boot. 155,102, Sept. 6.
- Nelson, Thomas O., assignee: *See*—
Darr, Harold W.
- Nemes, Stephen, Chicago, Ill. Combined writing desk and chair. 156,454, Dec. 13.
- Nemeth, Frank, assignor of one-half to A. B. Carpenter, Akron, Ohio. Fish lure. 152,285, Jan. 4.
- Neptune, Charles B., Los Angeles, Calif. Crutch. 153,818, May 17.
- Nestle-Le Mur Company, The, assignee: *See*—
Selter, Otto.
- Neubeiser, Louis M., assignee: *See*—
MacWilliams, Paul D.
- Neubeiser, Wanda E., assignee: *See*—
MacWilliams, Paul D.
- Neukom, David J., Webb Lake, Wis., assignor, by mesne assignments, of one-half to G. Neukon, Chicago, Ill. Fish lure. 153,164, Mar. 22.
- Neukom, George, assignee: *See*—
Neukom, David J.
- Neumeyer, Fred W.: *See*—
Pedersen, Svend, Neumeyer, and Helmev.
- Neustadt, Jerome, New York, N. Y. Electrical plug housing. 154,700, Aug. 2.
- Neuwirth, Herman, assignor to Testrite Instruments Company, Inc., New York, N. Y. Fixed focus enlarger. 154,872, Aug. 16.
- Neville, Rev W., Trinity, assignor to Tomlinson of High Point, High Point, N. C. Commode. 154,948, Aug. 23.
- Neville, Rev W., Trinity, assignor to Tomlinson of High Point, High Point, N. C. Chest of drawers. 154,949, Aug. 23.
- Nevin, Ira: *See*—
Fader, Arthur I., and Nevin.
- Newell, Heber L., Beacon, N. Y., assignor to The Winsted Hardware Manufacturing Co., Winsted, Conn. Mixer jar. 153,232, Mar. 29.
- Newhall, Benjamin G., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Plate type apparatus for handling fluids. 155,623, Oct. 18.

- Newhouse, Leon M., Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch. 153,006, Mar. 8.
- Newhouse, Leon M., Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch. 153,007, Mar. 8.
- Newhouse, Leon M., Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch. 153,008, Mar. 8.
- Newhouse, Leon M., Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch. 154,873, Aug. 16.
- Newman, Alfred, assignor to Bombi Perfumer, Inc., New York, N. Y. Perfume bottle. 152,723, Feb. 15.
- Newman, Barney, assignee: *See*—Goldsmith, Max L.
- Newman, Monroe H., assignor to Duranol Products, Inc., Brooklyn, N. Y. Display stand or similar article. 154,420, July 5.
- Newton, Clinton E., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Space heater casing. 153,009, Mar. 8.
- Newton, Clinton E., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Space heater casing. 153,010, Mar. 8.
- New York Rubber Corporation, assignee: *See*—Harris, Herschel G., and Weisgerber.
- Nichols, Proctor W., Colorado Springs, Colo. Passenger loading ramp. 154,137, June 14.
- Nicypier, Raymond S., assignor to Decoray Lamp Corp., New York, N. Y. Lamp. 155,725, Oct. 25.
- Nieboer, Hendrik A., London, England. Plate rack. 155,027, Aug. 30.
- Niederhausen, William, and C. D. Hamilton, New York, N. Y. Commemorative candle holder. 154,421, July 5.
- Niederhausen, William, and C. D. Hamilton, New York, N. Y. Set of commemorative candle holders. 154,505, July 12.
- Nielsen, Clayton M., Alhambra, Calif. Portable photographic laboratory. 152,557, Feb. 1.
- Niesemann, Fritz, Pittsburgh, and H. Van Doren, Ardmore, assignors to Rockwell Manufacturing Company, Pittsburgh, Pa. Gas pressure regulator or similar article. 154,624, July 26.
- Nineteen Hundred Corporation, assignee: *See*—Geldhof, Peter E.
- Nitardy, Carl, Ipswich, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 154,058, June 7.
- Noble, Roy A., Lewiston, and W. I. Youngs, Buffalo, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Vehicle frame. 152,819, Feb. 22.
- Noblitt-Sparks Industries, Inc., assignee: *See*—Farr, Edward A.
- Ferrar, Montgomery.
- Noma Electric Corporation, assignee: *See*—Bindman, Stanley.
- Borrok, Nathan T.
- Castell, Junior K.
- Lane, Sidney K.
- Porter, Harry L.
- Noordhoff, Harry, Grand Haven, Mich. Adjustable flatiron stand. 155,534, Oct. 11.
- Noped M'fg. Co., assignee: *See*—Noped, Tobias.
- Noped, Tobias, Brooklyn, assignor to Noped M'fg. Co., New York, N. Y. Cap or the like. 155,443, Oct. 4.
- Noped, Tobias, Brooklyn, assignor to Noped M'fg. Co., New York, N. Y. Cap or the like. 155,444, Oct. 4.
- Norberg, Oscar E., Cincinnati, Ohio. Crisper pan for a refrigerator cabinet. 155,355, Sept. 27.
- Norcross, Inc., assignee: *See*—Walker, John R.
- Norden, Graham M.: *See*—Wiley, Mike M., and Norden.
- Norman, Richard M., Chicago, and N. F. MacMillin, Winnetka, assignors to MacMillin Engineering Corporation, Chicago, Ill. Press. 156,553, Dec. 20.
- Northwestern Corporation, The, assignee: *See*—Schmidt, Jack H.
- Norton, Edith, Los Angeles, Calif. Lamp base. 156,364, Dec. 6.
- Novin, Joseph, Bronx, N. Y. Lighting fixture. 156,554, Dec. 20.
- Nulty, William B., trustee, assignee: *See*—Shepard, Ernest L.
- Nunes, Leo G., New York, assignor to Conti Products Corporation, Brooklyn, N. Y. Bottle. 152,820, Feb. 22.
- Nunes, Manuel J., Oakland, Calif. Fishing rod butt. 156,151, Nov. 22.
- Nurkiewicz, Ignatius, Brooklyn, N. Y., assignor to Stop-Fire Inc. Fire extinguisher. 152,645, Feb. 8.
- Nussbaum, William, New York, N. Y. Beautician's tray. 154,625, July 26.
- Oakley, Fred G., assignor of fifty per cent to A. Howe, Fort Worth, Tex. Portable display rack. 153,233, Mar. 29.
- Oatman, Lee, San Antonio, Tex. Clip. 153,539, Apr. 26.
- O'Brien, Doris E., Billings, Mont. Drip catcher for a bottle. 152,489, Jan. 25.
- O'Brien, Howard T., assignee: *See*—Rausch, Joseph J.
- O'Brien, John H., Maywood, Calif. Clock. 153,073, Mar. 15.
- O'Brien Manufacturing Co., assignee: *See*—Rausch, Joseph J.
- O'Brien, Vincent P., Belle Harbor, N. Y. Christmas tree ornament. 152,490, Jan. 25.
- O-Cedar Corp'n, assignee: *See*—Wagner, Franz.
- Odencrants, Henning, assignor to Zegorav Inc., New York, N. Y. Can opener. 153,722, May 10.
- Oettinger, Joseph E.: *See*—Blanchard, Theodore J., and Oettinger.
- Ofensend, Chase F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 154,422, July 5.
- Ofensend, Chase F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 154,423, July 5.
- Ofensend, Chase F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 155,311, Sept. 20.
- Ofensend, Chase F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 155,922, Nov. 8.
- Offord, Donald T.: *See*—Sechrist, Elwood K., and Offord.
- Ogden, Paul L., New York, N. Y. Holder for smokers' pipes. 154,793, Aug. 9.
- Ogden, Paul L., New York, N. Y. Holder for smokers' pipes. 154,794, Aug. 9.
- Ohio Advertising Display Company, assignee: *See*—Baker, Robert F.
- Ohio-Kentucky Manufacturing Company, assignee: *See*—Sonnott, William J.
- Ohio Leather Company, The, assignee: *See*—Becker, Fred H., and Peabody.
- Ohio Porcelain Company, assignee: *See*—Potts, Clifford.
- Ohio Thermometer Co., Inc., The, assignee: *See*—Wappner, Ralph C.
- Oker, Arne, assignor to Hyde Manufacturing Company, Southbridge, Mass. Pair of shears. 153,074, Mar. 15.
- Okun, Nathaniel N., Far Rockaway, N. Y. Combined extension key chain and watch. 154,210, June 21.
- Oldak, Jacob M., Brooklyn, N. Y. Cuff link or similar article. 155,535, Oct. 11.
- Olin Industries, Inc., assignee: *See*—Kopp, Walter R.
- Olsen, Oscar A.: *See*—Olson, Harry W., and Olsen.
- Olson, Harry W., and O. A. Olsen, assignors to Steward Engineering Corporation, Chicago, Ill. Measuring dispenser for fine solids. 155,028, Aug. 30.
- Olson, Henry L., and R. A. Miller, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Toaster. 156,152, Nov. 22.
- Olson, Henry L., and R. A. Miller, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Toaster. 156,153, Nov. 22.
- Olson, Roland K., Newton, Mass. Illuminable rule. 154,059, June 7.
- Olshewski, Edward, Detroit, Mich. Picture frame. 153,819, May 17.
- Oltarsh, Max, New York, N. Y. Textile fabric. 154,795, Aug. 9.
- O'Malley, Thomas D., Wilmette, Ill. Coin bank. 156,365, Dec. 6.
- Omar Incorporated, assignee: *See*—Stevens, Clifford B.
- On-A-Lite Corporation, assignee: *See*—Grubb, Robert K.
- Onelda Ltd., assignee: *See*—Allen, Grosvenor N., and Fleming.
- Allen, Grosvenor N., and Gerth.
- Gerth, William H.
- O'Neil, James R., San Francisco, Calif. Ring-toss game target. 152,821, Feb. 22.
- O'Neil, William, New York, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Weighing scale. 155,356, Sept. 27.
- O'Neil, William J., New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Housing for a dictating machine. 153,726, Oct. 25.
- Ontario Research Corporation, assignee: *See*—Trowbridge, Charles A.
- Opalek, Charles, Brooklyn, N. Y. Outdoor switch box. 154,506, July 12.
- Oppenheimer, Ludwig, Los Angeles, Calif. Leather strap buckle member. 153,895, May 24.
- Orange-Crush Company, assignee: *See*—Dawson, Stephen V.
- Orenick, Emil H., Cleveland, Ohio. Cosmetic holder. 155,445, Oct. 4.
- Orme, Wilbur L., Cambridge, Ohio. Epergne spider or similar article. 154,701, Aug. 2.
- Orme, Wilbur L., Cambridge, Ohio. Candelabrum arm or similar article. 154,796, Aug. 9.
- Oros, John, and G. R. Dawson, Cleveland, Ohio. Clamp. 152,351, Jan. 11.
- O'Rourke, Bessie, administratrix: *See*—O'Rourke, Charles.
- O'Rourke, Charles, deceased, Brooklyn, N. Y., by B. O'Rourke, administratrix, Brooklyn, N. Y., assignor to Sylvania Electric Products, Inc. Electronic tube radiator cap. 155,357, Sept. 27.

- Orr, Thomas E., Lakewood, Ohio. Coin bank. 152,646, Feb. 8.
- Ortner, Melvin, Woodmere, N. Y. Textile fabric. 154,950, Aug. 23.
- Osborn, Charles L., Denver, Colo. Combined fork and spoon for pickles and olives. 155,029, Aug. 30.
- Osborn, John G., Sheboygan, Wis. Combination chest and hutch. 154,060, June 7.
- Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Holder for suction cleaner accessories. 153,011, Mar. 8.
- Osborne Register Company, The, assignee: *See*—
Parry, Robert D.
- Oser, Harry M., New York, N. Y. Pin. 156,026, Nov. 15.
- Osgood, John H., and W. A. Goodwin, Sierra Madre, Calif. Mold for food patties. 153,820, May 17.
- Ostby & Barton Company, assignee: *See*—
Lorillard, Elaine G.
- Oster, John, Manufacturing Company, assignee: *See*—
Bernadt, Richard F.
Brown, Ellis M.
Iannelli, Alfonso.
- Ostier, Marianne, New York, N. Y. Combined wrist watch and strap therefor. 152,491, Jan. 25.
- Ostier, Marianne, New York, N. Y. Gem mounting. 155,178, Sept. 13.
- Oswald, Edward, and J. G. Wolf, Bloomfield, N. J. Safety reel for children or similar article. 154,424, July 5.
- Oswald, John, Detroit, Mich. Sun visor. 155,030, Aug. 30.
- Otarion, Inc., assignee: *See*—
Hull, Denison B.
- Otis Elevator Company, assignee: *See*—
Broun, Morrison J., and Andres.
- Otto, Carl L., New York, N. Y. Balance. 153,075, Mar. 15.
- Otto, Carl L., New York, N. Y. Balance. 153,076, Mar. 15.
- Otto, Carl L., assignor to The Torsion Balance Company, New York, N. Y. Cream test scale. 155,312, Sept. 20.
- Otto, Carl L., assignor to The Torsion Balance Company, New York, N. Y. Laboratory scale. 155,313, Sept. 20.
- Otto, Carl L., New York, N. Y., assignor to Automatic Canteen Company of America, Chicago, Ill. Sandwich vending machine. 153,540, Apr. 26.
- Otto, Carl L., New York, N. Y. Vending machine. 153,541, Apr. 26.
- Otto, Carl L., New York, N. Y., assignor to Schick Incorporated, Stamford, Conn. Electric shaver. 154,425, July 5.
- Otto, Carl L., New York, N. Y., assignor to Automatic Canteen Company of America, Chicago, Ill. Vending machine for dispensing candy bars, chewing gum, nuts, and the like. 156,154, Nov. 22.
- Otto, Carl L., New York, N. Y. Selective vending machine. 156,155, Nov. 22.
- Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,138, June 14.
- Ovenshire, Clyde A., Berkeley, Calif. Combination griddle and baking dish or the like. 153,378, Apr. 12.
- Overshiner, Ellsworth B., assignor to Electra Voice Corporation, Chicago, Ill. Multiple tool. 152,822, Feb. 22.
- Owens, Freeman H., New York, N. Y. Radio program pre-selector. 153,234, Mar. 29.
- Owens-Illinois Glass Company, assignee: *See*—
Diamond, Freda.
- Owens, Martin J.: *See*—
Owens, Robert A. and M. J.
- Owens, Robert A. and M. J., Fort Worth, Tex. Portable air cooling device. 153,542, Apr. 26.
- Oyler, Ora E., Rosemead, Calif. Signal lamp. 153,543, Apr. 26.
- Packard Manufacturing Corporation, assignee: *See*—
Brandenburger, Russell E., Jr.
- Packard Motor Car Company, assignee: *See*—
Christopher, George T.
Macaulay, Edward.
- Prance, Alvin W.
- Packman, Leo, New York, N. Y. Rattle or similar article. 153,544, Apr. 26.
- Packman, Leo, New York, N. Y. Rattle or similar article. 153,545, Apr. 26.
- Packman, Leo, New York, N. Y. Rattle or similar article. 153,546, Apr. 26.
- Packman, Leo, New York, N. Y. Rattle or similar article. 153,547, Apr. 26.
- Packman, Leo, New York, N. Y. Crib light or similar article. 154,951, Aug. 23.
- Paden, Frederick T., U. S. Army, Collingswood, N. J. Casket handle bracket or similar article. 153,165, Mar. 22.
- Paden, Frederick T., U. S. Army, Collingswood, N. J. Burial casket. 153,166, Mar. 22.
- Paden, Frederick T., Collingswood, N. J. Burial casket. 153,167, Mar. 22.
- Paden, Frederick T., Collingswood, N. J. Armchair. 155,727, Oct. 25.
- Paden, Frederick T., Collingswood, N. J. Chair. 155,728, Oct. 25.
- Page, William M., Marblehead, Mass. Moccasin type shoe. 154,507, July 12.
- Page, William M., Marblehead, Mass. Moccasin type shoe. 154,797, Aug. 9.
- Pahlmann, William C., New York, N. Y. Sofa. 155,624, Oct. 18.
- Paine, Wilbur V., East Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Vacuum cleaner. 156,267, Nov. 29.
- Painter, David L., Evanston, assignor to P. M. and R. Manning and E. J. and M. Reidy, a partnership doing business as Continental Trailer Company, Chicago, Ill. Trailer. 155,625, Oct. 18.
- Palace Corporation, assignee: *See*—
Hanson, Frank D., Arehart, and Dittmer.
- Palma, Joseph, Jr., Berwyn, assignor to The Rauland Corporation, Chicago, Ill. Interoffice communication cabinet or similar article. 153,012, Mar. 8.
- Palma, Joseph, Jr., Berwyn, assignor to G-M Laboratories, Inc., Chicago, Ill. Knife sharpener. 153,168, Mar. 22.
- Palma, Joseph, Jr., Berwyn, assignor to The Rauland Corporation, Chicago, Ill. Interoffice communication cabinet or similar article. 154,626, July 26.
- Palmquist, Norman E., Topeka, Kans. Lighting fixture. 154,302, June 28.
- Palo, Maurice M.: *See*—
Federico, Joseph B., and Palo.
- Palomino Sportswear Company, assignee: *See*—
Von Elm, George E.
- Paltridge, Homer H., New York, N. Y. Washing machine. 156,156, Nov. 22.
- Pancotti, Roberto, New York, N. Y. Accordion or similar article. 155,833, Nov. 1.
- Pandora Company, The: *See*—
Faill, Violet.
- Pandora Knitwear, Inc., assignee: *See*—
Sidore, May.
- Panish, Erwin J., Bridgeport, Conn. Dual handle control. 155,179, Sept. 13.
- Paolino, Angelina M., Los Angeles, Calif. Tiered tray. 152,558, Feb. 1.
- Paragon Products Company, assignee: *See*—
Kovacs, Stella, and Fulkerson.
- Parfums Ciro, Inc., assignee: *See*—
Wiedhopf, Jacob S.
- Park Sherman Co., assignee: *See*—
Klingberg, Arthur F.
Sherman, Jacob S.
- Parker, Humphrey F., Buffalo, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoist. 153,013, Mar. 8.
- Park-In Theatres Company, assignee: *See*—
Taylor, Samuel H., Jr.
- Parks, Regis E., Brooklyn, assignor to Spacarb, Inc., New York, N. Y. Beverage vending machine. 155,729, Oct. 25.
- Parks, Regis E., Brooklyn, assignor to Spacarb, Inc., New York, N. Y. Beverage fountain. 155,923, Nov. 8.
- Parry, Robert D., assignor to The Osborne Register Company, Cincinnati, Ohio. Meat chopper. 153,169, Mar. 22.
- Parry, Thomas P., assignee: *See*—
Faill, Violet.
- Partain, Oliver W., Tulsa, Okla. Child's toilet seat. 154,702, Aug. 2.
- Parva Products Company, assignee: *See*—
White, Holman D.
- Pass & Seymour, Inc., assignee: *See*—
Despard, Victor R.
- Passavant Memorial Hospital, assignee: *See*—
Bocher, Main R.
- Passing Eye, Inc., assignee: *See*—
Stortz, Robert K.
- Patch, George W., Jr.: *See*—
Ahlstrand, Phillip M., and Patch.
- Patent License Corporation, assignee: *See*—
Adrian, William M.
- Paton, Roy W., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug tool. 154,798, Aug. 9.
- Patten, Ray, Norwalk, Conn., assignor to General Electric Company. Locomotive body. 153,896, May 24.
- Patten, Ray, Norwalk, Conn., assignor to General Electric Company. Locomotive body or the like. 154,139, June 14.
- Patten, Ray, Norwalk, Conn., assignor to General Electric Company. Locomotive body. 154,799, Aug. 9.
- Patten, Ray, Norwalk, Conn., assignor to General Electric Company. Locomotive body or the like. 156,455, Dec. 13.
- Patten, Ray, Norwalk, and A. N. Bee Var, Bridgeport, Conn., assignors, by mesne assignments, to The Trumbull Electric Manufacturing Company. Switch box cover. 153,305, Apr. 5.
- Patterson, C. J., Company, assignee: *See*—
Kimball, Charles N., Lewis, and Strecker.
- Patterson, Glenn A., assignor to Sta-Rite Products, Incorporated, Delavan, Wis. Base exchange water treatment apparatus. 152,286, Jan. 4.
- Patterson, Louis L., Los Angeles, Calif. Perfume receptacle and applicator. 155,031, Aug. 30.
- Patterson, Sarah A., Edgewater, Colo. Educational game board. 153,621, May 3.
- Patty, James S., New York, N. Y. Finger ring. 154,061, June 7.
- Patty, James S., New York, N. Y. Finger ring. 154,062, June 7.
- Paulding, John I., Inc., assignee: *See*—
Johnson, Arthur A.
- Paull, Morris: *See*—
Siegel, Harold R., and Paull.

- Paulsen, Paul S., Sr., Belleville, Mich. Shaving brush. 154,426, July 5.
- Pavlinetz, George, Carteret, N. J. Mallet. 152,647, Feb. 8.
- Pavlinetz, George, Carteret, N. J. Container cap or similar article. 152,724, Feb. 15.
- Pavlinetz, George, Carteret, N. J. Garden tool. 154,303, June 28.
- Pavlinetz, George, Carteret, N. J. Container cap or similar article. 153,180, Sept. 13.
- Pavlinetz, George, Carteret, N. J. Combined bottle and bottle cap. 153,358, Sept. 27.
- Payne, Jacob, New York, N. Y. Bottle. 152,431, Jan. 18.
- Payne, Sumas, Chicago, Ill. Beauty compact. 152,725, Feb. 15.
- Peabody, Lester F.: *See—*
Becker, Fred H., and Peabody.
- Peak, Paul R., Jr., Hamden, Conn. Knitting bag or similar article. 154,140, June 14.
- Pealer, Robert B., Garretttsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipe working machine. 153,014, Mar. 8.
- Pearce, Woodrow W., and J. L. Lockhart, Los Angeles, Calif. Bracelet or similar article. 156,650, Dec. 27.
- Pearlman, Harry, Syracuse, N. Y. Power-operated peeling apparatus. 155,359, Sept. 27.
- Pearson, Henry L., Langhorne, Pa., assignor to Ranger-Tennere, Inc., New York, N. Y. Display case. 153,306, Apr. 5.
- Peckat, Charles, Manufacturing Co., assignee: *See—*
Bingman, Robert E.
- Pecora, Michael A., assignor to Pecora's Farm Dairy, West Hazleton, Pa. Milk bottle. 155,834, Nov. 1.
- Pecora's Farm Dairy, assignee: *See—*
Pecora, Michael A.
- Pedersen, Nicholas F.: *See—*
Hadley, Donald L., Ryder, and Pedersen.
- Pedersen, Svend, and F. W. Neumeyer, Chicago, and L. P. Helmey, Clarendon Hills, Ill. Directional signal for motor vehicles or the like. 153,821, May 17.
- Pedler, Franklin W., Muskegon, Mich. Toy figure. 153,548, Apr. 26.
- Peeples, Simeon K., Wichita, assignor of fifty percent to Air Products, Inc., Pittsburg, Kans. Louvered corrugated metal awning. 153,622, May 3.
- Peerless Tool & Engineering Co., assignee: *See—*
Kocarek, Franklin H.
- Peet, Nelson R., Jr., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Name plate or similar article. 156,157, Nov. 22.
- Peets, Wilbur J.: *See—*
Marsac, Leonard C., and Peets.
- Peist, Otto, Brooklyn, N. Y. Container for ice cream or candy. 155,103, Sept. 6.
- Pence, Frederick M., assignor to Thermador Electrical Manufacturing Company, Los Angeles, Calif. Domestic range or similar article. 154,874, Aug. 16.
- Penchoen, Henry A., assignor to Harter Corporation, Sturgis, Mich. Base or pedestal for chairs. 152,648, Feb. 8.
- Penday, Inc., assignee: *See—*
Ward, Theo G.
- Penn, George R., New York, N. Y. Combined cabinet and stand for cameras. 155,730, Oct. 25.
- Pennell, David R., Lakewood, Ohio. Combined porch light and illuminable house numeral indicator. 152,726, Feb. 15.
- Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,352, Jan. 11.
- Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,353, Jan. 11.
- Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,354, Jan. 11.
- Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,355, Jan. 11.
- Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,356, Jan. 11.
- Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,357, Jan. 11.
- Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 153,013, Mar. 8.
- Pennock, Charles A., Scarsdale, N. Y. Wrapping paper. 156,366, Dec. 6.
- Pen-Rite Corp., The, assignee: *See—*
Greenstein, Julius, and Sack.
- Pepperell Manufacturing Company, assignee: *See—*
Binder, Joseph.
- Perdew, Rodney W., Los Angeles, Calif. Rotary hedge clipper. 152,649, Feb. 8.
- Perel, Barnett, Chicago, Ill. Combined dandruff remedy dispenser and applicator. 156,027, Nov. 15.
- Perelman, Albert A.: *See—*
Johnson, Gerald C., and Perelman.
- Perfection Stove Company, assignee: *See—*
Newton, Clinton E.
- Periman, Glenn, Los Angeles, Calif. Sheet clamp applicator tool. 153,170, Mar. 22.
- Periman, Glenn W., Los Angeles, Calif. File box for business cards or similar articles. 156,268, Nov. 28.
- Perkins, B. F., & Son, Inc., assignee: *See—*
Getchell, Raymond E.
- Perkins, Willard T., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Binocular or the like. 152,432, Jan. 18.
- Perlman, Arnold, Greenwich, Conn., assignor to Helene Pessl, Inc., New York, N. Y. Combined stand and cosmetics container. 156,028, Nov. 15.
- Perlman, Arnold, Greenwich, Conn., assignor to Helene Pessl, Inc., New York, N. Y. Receptacle for a bottle. 156,555, Dec. 20.
- Permenter, Eugene L., Spartanburg, S. C. Tray. 153,445, Apr. 19.
- Permo, Incorporated, assignee: *See—*
Andres, Lloyd J.
- Perreault, Joseph E., Northampton, Mass. Aero-spin toy. 155,626, Oct. 18.
- Perry, Frank C., assignor to Monarch Governor Company, Detroit, Mich. Rearview mirror. 155,835, Nov. 1.
- Perry, James, Mfg. Co., assignee: *See—*
Skipp, Herbert J. A.
- Perry Products, Inc., assignee: *See—*
Perry, Winfred O.
- Perry, Winfred O., Montclair, assignor to Perry Products, Inc., Kenilworth, N. J. Light. 153,016, Mar. 8.
- Persons, Charles A., Worcester, Mass. Cross plate for cycle pedals. 156,158, Nov. 22.
- Persons, Charles A., Worcester, Mass. Cross plate for cycle pedals. 156,159, Nov. 22.
- Peruggi, Ernesto, Brooklyn, N. Y. Figurine. 155,446, Oct. 4.
- Pessina, Joseph G., St. Louis, Mo. Can top piercer. 155,314, Sept. 20.
- Pessl, Helene, Inc., assignee: *See—*
Perlman, Arnold.
- Peterlin, Frank and J. F. Joliet, Ill. Combined flashlight and tester. 154,627, July 26.
- Peterlin, John F.: *See—*
Peterlin, Frank and J. F.
- Peters, George A.: *See—*
Weldon, Lucille E., and Peters.
- Peters, Leo, Evanston, Ill. Bottle. 154,563, July 19.
- Peters, Lewis E.: *See—*
Price, Raymond M., and Peters.
- Peters, Lewis E., Beverly Shores, assignor to Raymond M. Price and Associates, Inc., Chesterton, Ind. Illuminable sign casing. 154,952, Aug. 23.
- Peters, William J., New York, N. Y. Rain hood or similar article. 153,623, May 3.
- Petersen, Ina E., Downey, Calif. Combined doorknob and escutcheon plate. 152,901, Mar. 1.
- Petersen, William L., West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Rug scrubbing machine. 153,974, May 31.
- Peterson, Albin K., Redondo Beach, assignor to Longren Aircraft Company, Torrance, Calif. Metering valve. 154,427, July 5.
- Peterson, Dana, Newton, Mass. Font of printing type. 153,897, May 24.
- Peterson, David C., assignor to Stewart-Warner Corporation, Chicago, Ill. Combined gasoline and oil dispensing island cabinet. 156,269, Nov. 29.
- Peterson, Ellwood G., assignor to Hannifin Corporation, Chicago, Ill. Fluid control device. 155,032, Aug. 30.
- Peterson, John X., Minneapolis, Minn. Sportsman's combination knife and utility tool. 152,727, Feb. 15.
- Peterson, Wilbur P., assignee: *See—*
Smith, Benjamin H., and Peterson.
- Petit, Marie L., New York, N. Y. Brooch or similar article. 152,823, Feb. 22.
- Petit, Marie L., New York, N. Y. Brooch or similar article. 152,824, Feb. 22.
- Petrus, Lauritz, New York, N. Y. Confectionery dispensing machine. 153,975, May 31.
- Petty, Genevieve, Denver, Colo. Laundry marking machine. 154,428, July 5.
- Peukert, Rudolph, Toronto, Ontario, Canada. Faceted game control element. 155,315, Sept. 20.
- Pfaltz, Albert, Flushing, N. Y. Lamp. 152,492, Jan. 25.
- Pfister, Arthur O.: *See—*
Pfister, Robert D. and A. O.
- Pfister, Robert D., Rocky River, and A. O. Pfister, Cleveland Heights, Ohio. Combined lamp and shade. 153,171, Mar. 22.
- Pflegger, Joe, Chicago, Ill. Combined ash tray, cigarette and match holder. 155,836, Nov. 1.
- Phelps, Theodore A.: *See—*
Clasen, Arthur C., Millgard, and Phelps.
- Philco Corporation, assignee: *See—*
Schaefer, Carl W. D.
- Van Doren, Harold, and Amore.
- Van Doren, Harold, and May.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,358, Jan. 11.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,359, Jan. 11.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,360, Jan. 11.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 152,361, Jan. 11.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,362, Jan. 11.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,363, Jan. 11.

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- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,210, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,211, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,212, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,213, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,214, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,215, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,216, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,217, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,218, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,219, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,220, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,221, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,222, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,223, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,224, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,225, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,226, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,227, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,228, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,229, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,230, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,231, Sept. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,316, Sept. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,317, Sept. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,318, Sept. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,319, Sept. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,320, Sept. 20.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,447, Oct. 4.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,448, Oct. 4.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 156,160, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 156,161, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 156,162, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,163, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,164, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,165, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,166, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,167, Nov. 22.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin-clip or similar article. 156,270, Nov. 29.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,271, Nov. 29.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,272, Nov. 29.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 156,273, Nov. 29.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,274, Nov. 29.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,456, Dec. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,457, Dec. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 156,458, Dec. 13.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 156,451, Dec. 27.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 156,452, Dec. 27.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 156,453, Dec. 27.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 156,454, Dec. 27.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 156,455, Dec. 27.
- Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 156,456, Dec. 27.
- Phillips, Ferdinand N., Jr., Brookline, Mass. Fabric or similar article. 156,657, Dec. 27.
- Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 155,321, Sept. 20.
- Phillips, Harvey M., and H. H. Boucher, Dallas, Tex. Combination fishing rod and walking cane. 154,065, June 7.
- Phillips, Leonard R., Teaneck, N. J., assignor to Anemostat Corporation of America, New York, N. Y. Combined ceiling-mounted ventilating and illuminating apparatus. 153,313, Apr. 5.
- Phillips, Leonard R., Teaneck, N. J., assignor to Anemostat Corporation of America, New York, N. Y. Portable electric fan. 154,703, Aug. 2.
- Phister, Albert B., Fort Thomas, Ky., assignor to The Phister Mfg. Co., Cincinnati, Ohio. Fire extinguisher. 152,650, Feb. 8.
- Phister Mfg. Co., The, assignee: See—
Phister, Albert B.
- Phoenix Glass Company, The, assignee: See—
Claspy, Hugh J.
- Plaggio & C. Società per Azioni, assignee: See—
d'Ascanio, Corradino.
- Plasecki, Frank N., Lansdowne, Pa., assignor to Plasecki Helicopter Corporation. Helicopter. 153,314, Apr. 5.
- Plasecki, Frank N., Lansdowne, Pa., assignor to Plasecki Helicopter Corporation. Helicopter. 153,315, Apr. 5.
- Plasecki, Frank N., Lansdowne, Pa., assignor to Plasecki Helicopter Corporation. Helicopter. 153,316, Apr. 5.
- Plasecki, Frank N., Lansdowne, assignor to The Plasecki Helicopter Corporation, Morton, Pa. Helicopter. 153,317, Apr. 5.
- Plasecki, Frank N., Lansdowne, assignor to The Plasecki Helicopter Corporation, Morton, Pa. Helicopter. 155,360, Sept. 27.
- Plasecki Helicopter Corporation, assignee: See—
Plasecki, Frank N.
- Picker X-Ray Corporation, Waite Manufacturing Division, Inc., assignee: See—
Goldfield, Edwin R., and Schiring.
- Pickering, Clarence E., Sr.: See—
Pickering, Elwin L., and C. E. Pickering, Sr.
- Pickering, Elwin L., Los Angeles, Calif., and C. E. Pickering, Sr., Fort Wayne, Ind. Cigarette holder. 155,536, Oct. 11.
- Pickford, Jack, and R. A. Lambert, Springfield, Mass., assignors to Westinghouse Electric Corporation. Suction cleaner casing. 156,168, Nov. 22.

Pidgeon Vitriified China Company, assignee: *See*—
Rosner, Joseph.

Pierce, George M., Los Angeles, Calif. Electric advertising sign for vehicles. 152,433, Jan. 18.

Pierce, Lyle F., assignor of fifty per cent to S. V. Beuson, Watsonville, Calif. Coin dispenser. 153,322, Sept. 20.

Pierce, Robert P., Chicago, Ill. Drink mixer. 156,556, Dec. 20.

Pies, Othmar W., Cincinnati, assignor to Aqua-Sportsman, Inc., Norwood, Ohio. Fishing reel. 154,308, June 28.

Piker, Herbert M., assignor to The Hamilton Metal Products Company, Hamilton, Ohio. Food grater. 156,557, Dec. 20.

Pilblad, Sven A., Boston, Mass. Fishing spinner or similar article. 154,141, June 14.

Pillc, Joseph, assignor to Atkinson, Wade & Co., Inc., New York, N. Y. Fabric or the like. 154,800, Aug. 9.

Pinson, Alfred, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y. Wrist band. 154,142, June 14.

Pinson, Alfred, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y. Chain for a wristband or similar article. 155,449, Oct. 4.

Pinson, Alfred, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y. Chain for a wristband or similar article. 155,450, Oct. 4.

Pirozzoli, Louis, Bridgeport, Conn. Cover for a burial vault. 152,902, Mar. 1.

Pitney-Bowes, Inc., assignee: *See*—
O'Neil, William.

Pizzano, Charles W.: *See*—
Pizzano, Madge H. and C. W.

Pizzano, Madge H. and C. W., Marblehead, Mass. Combined necklace and ear rings or similar article. 152,434, Jan. 18.

Pizzarelli, Lewis, Poughkeepsie, N. Y. Combination table and cabinet. 156,275, Nov. 29.

Planeta, Anthony W., Higganum, Conn. Tray for glasses. 153,455, Apr. 19.

Plas-Tex Corporation, The, assignee: *See*—
Alvarez, Edward V.

Plastic Appliances Mfg. Corp., assignee: *See*—
Chalfin, Irving, and Fischer.

Plastic Articles Co., Inc., assignee: *See*—
Foster, Charles H.

Plastic Engineering & Development Co., assignee: *See*—
Brown, George F.

Plastmetl Corporation, assignee: *See*—
Zabel, William C. P., and Helfenbein.

Platt, Sam, Brooklyn, N. Y. Blouse or similar article. 152,493, Jan. 25.

Playlastic Toy Company Limited, assignee: *See*—
Kennedy, Albert E.

Pledger, William A., San Francisco, Calif. Kitchen stove ventilator. 156,558, Dec. 20.

Pleet, Sylvan, assignor to Belmont Clothes, Inc., Baltimore, Md. Trousers. 155,837, Nov. 1.

Plottell, Leslie L., assignee: *See*—
Ross, Allan E.

Plucar, Ellen: *See*—
Carpenter, Earl E., and Plucar.

Pogue, Lorne E., Long Beach, Calif. Game board. 155,323, Sept. 20.

Polenz, Paul W., La Jolla, Calif. Anchor. 155,537, Oct. 11.

Polivka, John N.: *See*—
Collura, Francesco, and Polivka.

Polivka, John N., Minneapolis, Minn., and F. Collura, New York, N. Y., assignors to General Mills, Inc. Pressure gauge. 154,801, Aug. 9.

Pollak, Manfred J., Chicago, assignor to Western Newell Mfg. Co., Freeport, Ill. Curtain or drapery festoon ring. 153,898, May 24.

Pollock, Robert E., Key West, Fla. Medallion or the like. 153,172, Mar. 22.

Pond, Bertram P.: *See*—
De Lancey, Warren H., and Pond.

Poorman, Robert F., Montgomery County, Ohio. Speaker housing. 153,899, May 24.

Pope, Alfred F., Hudson, Mass. Comb. 153,031, Mar. 8.

Pope, Melkiah E., Montrose, Calif. Fish lure. 152,287, Jan. 4.

Porter, Frederick M.: *See*—
Braun, Gustav F., and Porter.

Porter, Harry L., Cincinnati, Ohio, assignor to Noma Electric Corporation, New York, N. Y. Electric range. 153,976, May 31.

Porter, Harry L., Cincinnati, Ohio, assignor to Noma Electric Corporation, New York, N. Y. Gas range. 153,977, May 31.

Porter, Kirk E., Wooster, Ohio, assignor to The Buckeye Aluminum Company. Cooking vessel. 152,825, Feb. 22.

Porter, Osgood, Santa Monica, assignor to Artisan Engineering & Mfg. Co., Glendale, Calif. Garment hanger. 153,032, Mar. 8.

Portukalian, Edward S., Los Angeles, Calif. Coffee maker. 154,953, Aug. 23.

Potter, Thomas I., New York, N. Y. Door latch housing or similar article. 155,033, Aug. 30.

Potter, William W., Pawtucket, R. I. Combined cigarette extinguisher and ash tray. 153,318, Apr. 5.

Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Cigarette holder or similar article. 152,494, Jan. 25.

Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Cigarette holder or similar article. 152,495, Jan. 25.

Pouliot, Paul, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Table lighter. 155,538, Oct. 11.

Pouliot, Paul, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Table lighter. 155,627, Oct. 18.

Pour-O-Matic Corporation, assignee: *See*—
Levnaich, Daniel S.

Powell, Charles C., assignor to The Massillon Wire Basket Company, Massillon, Ohio. Wire carrier basket. 154,710, Aug. 2.

Powell, Herman, Chicago, Ill. Lamp holder. 156,276, Nov. 29.

Powers, John J., University City, Mo. Truck or similar article. 153,085, Mar. 15.

Poynter, Lewis A., Lebanon, Mo. Bookcase. 156,367, Dec. 6.

Prall, Robert C.: *See*—
Steeds, Thomas A., and Prall.

Prance, Alvin W., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Vehicle hood ornament or similar article. 155,034, Aug. 30.

Pratt, Edmond O., Los Angeles, Calif. Pumping unit for hospital use. 154,430, July 5.

Precision Plastic Products, Inc., assignee: *See*—
Riderman, Rudolph.

Preis, H. P., Engraving Machine Co., assignee: *See*—
Preis, Martin H., and Hoffmann.

Preis, Martin H., Cranford, and J. A. Hoffmann, Lyndhurst, assignors to H. P. Preis Engraving Machine Co., Newark, N. J. Engraving machine. 155,539, Oct. 11.

Preisinger, Carl M., Cicero, and J. E. Svabek, Jr., Chicago, Ill. Combined vent and wall cover plate for oil tank inlet. 154,876, Aug. 16.

Prel Incorporated, assignee: *See*—
Skidmore, Leo D. J.

Premack, Hyman A., Chicago, Ill. Road signal or the like. 152,496, Jan. 25.

Prendville, Jane, New York, N. Y. Doll. 155,104, Sept. 6.

Prendville, Jane, New York, N. Y. Doll. 155,105, Sept. 6.

Prentiss-Wabers Products Company, assignee: *See*—
Ferar, Montgomery, and Sundberg.

Pressberger, Murray I., Brooklyn, N. Y. Shoeshine box. 153,235, Mar. 29.

Presto Lighters Limited, assignee: *See*—
Pouliot, Paul.

Price Brothers, Inc., assignee: *See*—
Morgan, Jack.

Price, Carl, Newark, N. J. Boat or similar article. 152,736, Feb. 15.

Price, Paul A., Sunnyside, N. Y. Block mounted set of letters and numerals. 155,232, Sept. 13.

Price-Pfister Mfg. Co., assignee: *See*—
Hinderer, Gottlob.

Price, Raymond M., Chesterton, Ind., and L. E. Peters, Chicago, Ill.; said Peters assignor to said Price. Illuminable display sign. 152,497, Jan. 25.

Price, Raymond M., and Associates, Inc., assignee: *See*—
Peters, Lewis E.

Price, Rebecca C.: *See*—
Price, Stanley W. and R. C.

Price, Rebecca C. and S. W., Oklahoma City, Okla. Cooky cutter. 154,802, Aug. 9.

Price, Stanley W.: *See*—
Price, Rebecca C. and S. W.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,800, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,810, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,811, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,812, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,813, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,814, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,815, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,816, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,817, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,818, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,819, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,820, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,821, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,822, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,823, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,824, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cooky cutter. 154,825, June 28.

Price, Stuart N., Jackson, assignor to Kent-Moore Organization Inc., Detroit, Mich. Mechanic's workbench and cabinet. 154,803, Aug. 9.

- Price, Stuart N., Jackson, assignor to Kent-Moore Organization Inc., Detroit, Mich. Mechanic's workbench and single end storage cabinet. 154,804, Aug. 9.
- Price, Stuart N., Jackson, assignor to Kent-Moore Organization Inc., Detroit, Mich. Mechanic's workbench and double end storage cabinet. 154,805, Aug. 9.
- Priebe, William A., Los Angeles, Calif. Butt gauge. 155,233, Sept. 13.
- Primm, Lolita E., Chicago, Ill. Bobby pin holder. 156,368, Dec. 6.
- Prince Castle Manufacturing Div., Inc., assignee: See—
Prince, Earl S., and MacDougall.
- Prince, Earl S., and R. MacDougall, Rock Falls, assignors to Prince Castle Manufacturing Div., Inc., Sterling, Ill. Server for ice cream, potatoes, or the like. 156,559, Dec. 20.
- Princess Fabrics Corporation, assignee: See—
Nelson, Herbert R.
- Princess Eve Products Corp., assignee: See—
Livermore, Jesse L.
- Principe, Frank, New York, N. Y. Coin operated combination photograph and television cabinet. 152,903, Mar. 1.
- Prism Plastics, Inc., assignee: See—
Summers, Clarence L.
- Pritchard, Richard, assignor to Design Builders, Inc., Milwaukee, Wis. Building. 154,875, Aug. 16.
- Procter & Gamble Company, The, assignee: See—
Deskey, Donald.
- Gerhart, Charles T.
- Production Pattern Company, assignee: See—
Hippman, Albert J.
- Productive Inventions, Inc., assignee: See—
Krohm, Fred A.
- Pro-phy-lac-tic Brush Company, assignee: See—
Muller-Munk, Peter.
- Provenzano, Joseph, New York, N. Y. Lamp with illuminable base. 154,066, June 7.
- Provenzano, Joseph, New York, N. Y. Lamp with illuminable base. 155,451, Oct. 4.
- Pruchnow, Howard J., Summit, N. J. Combined vine holder and wall bracket therefor. 153,822, May 17.
- Pullman-Standard Car Manufacturing Company, assignee: See—
Haman, Ralph W.
- Haman, Ralph W., and Kay.
- Murphy, Frank L., and Candlin.
- Murphy, Frank L., and Haman.
- Pulver, Wilfrid A., Sherman Oaks, and A. E. Flock, Van Nuys, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Airplane. 153,456, Apr. 19.
- Punton, Charles W.: See—
Maynard, Harold B., and Punton.
- Pyle, Lula J., and M. H. Schell, Kansas City, Mo. Tablecloth. 156,369, Dec. 6.
- Quaker Lace Company, assignee: See—
Castorani, Francesco P.
- Hooven, Howard.
- Otto, Ferdinand P.
- Wolf, William.
- Quality Molding Co., assignee: See—
Bu Gay, John A.
- Qualls, Paul J., assignor to C. and S. Erickson, doing business as Erickson Glass Works, Bremen, Ohio. Ash tray or similar article. 153,236, Mar. 29.
- Queen, Chester V., Jeffersonville, Ind., assignor to Wheelmaster Corporation, Owensboro, Ky. Tricycle step plate. 153,978, May 31.
- Queen Stoves Works, Inc., assignee: See—
Trow, Richard A.
- Quirk, Robert W., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 154,215, June 21.
- Quisenberry, Carter E., Kirkwood, assignor to Car-Mac Mfg. Co. Inc., Binghamton, N. Y. Tricycle. 152,904, Mar. 1.
- Raber, Murray, Brooklyn, N. Y. Serving table. 153,553, Apr. 26.
- Rabinowitz, Seymour, New York, N. Y. Hand washboard. 153,319, Apr. 5.
- Rachins, Edward, Brookline, Mass. Bottle. 152,905, Mar. 1.
- Ragunt, Alan J., Rockford, Ill. Serving bar top. 155,731, Oct. 25.
- Rahn, William J., St. Albans, assignor to P. and F. Kohner, a co-partnership doing business as Kohner Bros., New York, N. Y. Tricycle action toy. 156,658, Dec. 27.
- Ramsay, Charles F., Toronto, Ontario, Canada. Sales meter register. 154,322, June 28.
- Ramsey, Lyde W.: See—
Sealf, William D., and Ramsey.
- Ramstrum, Eric P., Grosse Pointe Park, Mich. Bus. 154,806, Aug. 9.
- Rannhan, Delmar J., Wilmington, Calif. Toy bird. 153,979, May 31.
- Randall, Maxine K., New York, N. Y. Spoon. 156,370, Dec. 6.
- Randolph, Max H., New York, N. Y. Handbag frame. 156,029, Nov. 15.
- Randolph, Max H., New York, N. Y. Handbag frame. 156,030, Nov. 15.
- Randolph, Max H., New York, N. Y. Handbag frame. 156,371, Dec. 6.
- Randolph, Max H., assignor to Randolph-Rand Sales Co., Inc., New York, N. Y. Handbag frame. 156,560, Dec. 20.
- Randolph-Rand Sales Co., Inc., assignee: See—
Randolph, Max H.
- Ranger-Tennere, Inc., assignee: See—
Pearson, Henry L.
- Raphaels, Edwin, New York, N. Y. Textile fabric. 152,288, Jan. 4.
- Raphaelson, Bennett: See—
Cucchiara, Joseph, and Raphaelson.
- Rapp, Samuel W., Morton, Ill. Cooky jar. 155,361, Sept. 27.
- Rapp, Samuel W., Morton, Ill. Child's bank. 156,277, Nov. 29.
- Rapp, Samuel W., Morton, Ill. Child's bank. 156,278, Nov. 29.
- Raschke, William L., Fort Worth, Tex. Artificial bait. 153,980, May 31.
- Raskin, Nat, assignee: See—
Everett, Milton C.
- Rastob, Robert P., and J. B. Haley, assignors to Thermet Fire Extinguishers, Inc., Richmond, Calif. Fire extinguisher. 153,320, Apr. 5.
- Rasmussen, Leonard B., assignor to U. S. Thermo Control Company, Minneapolis, Minn. Milk dispensing cabinet. 156,279, Nov. 29.
- Rauland Corporation, The, assignee: See—
Palma, Joseph, Jr.
- Rausch, Joseph J., Berwyn, assignor to H. T. O'Brien, doing business as O'Brien Manufacturing Co., Chicago, Ill. Sewer cleaning machine. 152,651, Feb. 8.
- Ray, Calvin T.: See—
Vojik, Albert G., and Ray.
- Ray, Calvin T., Baltimore County, to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,362, Sept. 27.
- Ray, Calvin T., Baltimore County, C. L. Brockman, Baltimore, Md., and C. W. Butler, Leonia, N. J., assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,363, Sept. 27.
- Ray, Herbert S., Chicago, Ill. Combined cushion and headrest. 155,924, Nov. 8.
- Rayman, Charles J.: See—
Boileau, Arthur H., Rayman, and Miller.
- Raymond Products, Inc., assignee: See—
Goldreich, Samuel.
- Marsh, Milton, Goldreich, and Farley.
- Raysik, Steve, Kansas City, Mo. Stand for pitcher and drinking glass set. 152,826, Feb. 22.
- Reconstruction Finance Corporation, assignee: See—
Sawyer, Charles W.
- Red Comet Incorporated, assignee: See—
Cizek, Arthur.
- Redmond Company, Inc., assignee: See—
Fox, Wilfred R.
- Reed, James H., Detroit, Mich. Child's teeter. 154,323, June 28.
- Reed, John K., Charlevoix, Mich. Holding clip. 156,659, Dec. 27.
- Reed, Thomas C., Washington, D. C. Combination cocktail table, radio and phonograph cabinet. 154,143, June 14.
- Reed, Walter A., New Orleans, La. Phonograph cabinet. 156,372, Dec. 6.
- Reese, Edward G., Landisville, and G. B. Fenstermaker, assignors to Reese Padlock Company, Lancaster, Pa. Flexible cable lock. 153,823, May 17.
- Reese Padlock Company, assignee: See—
Reese, Edward G., and Fenstermaker.
- Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Cooking top for gas cookstoves. 153,173, Mar. 22.
- Regal Plastic Co., assignee: See—
Kivett, Jerome S.
- Regan, Frederick T., Brookville, assignor to Hedstrom-Union Company, Fitchburg, Mass. Stroller body. 152,652, Feb. 8.
- Regan, Walter P., Lowell, Mass. Ladder boot. 153,900, May 24.
- Regina Corporation, The, assignee: See—
Mead, Lannon F.
- Reibling-Lewis, Inc., assignee: See—
Briston, Charles W.
- Reichelderfer, Wilton F., Oakwood, Ohio. Combination grill and incinerator. 154,877, Aug. 16.
- Reid, Patricia, Chicago, Ill. Toe nail polishing device. 154,324, June 28.
- Reidy, Marion, assignee: See—
Painter, David L.
- Reidy, Robert J., assignee: See—
Painter, David L.
- Reifsnnyder, James D., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Paper dish. 154,216, June 21.
- Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,631, May 3.
- Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,632, May 3.
- Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,633, May 3.
- Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,634, May 3.

- Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,635, May 3.
- Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Condiment holder. 154,508, July 12.
- Reilly, William J., Attleboro, Mass., assignor to Evans Case Co. Table lighter. 155,035, Aug. 30.
- Reimers, Bernhard G.: *See*—
Humpal, Willard J., and Reimers.
- Reimers, Theodor M., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Vacuum packaging machine. 152,435, Jan. 18.
- Reinad Novelty Co., assignee: *See*—
Wiener, William.
- Reinecke, Jean O., Oak Park, Ill., assignor to Lactona Incorporated, St. Paul, Minn. Display container. 153,636, May 3.
- Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Toaster. 153,901, May 24.
- Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Toaster handle. 153,902, May 24.
- Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Adjusting knob. 153,981, May 31.
- Reinecke, Jean O., Oak Park, Ill., assignor to The De Vibiss Company, Toledo, Ohio. Display container. 154,431, July 5.
- Reinecke, Jean O., Oak Park, Ill., assignor to Modine Manufacturing Company, Racine, Wis. Convector cabinet. 155,234, Sept. 13.
- Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Electric sadiron. 156,031, Nov. 15.
- Reineke, Charles, Jr., St. Louis, Mo. Ice-cream cone. 153,394, Apr. 12.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 153,723, May 10.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 153,724, May 10.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 153,725, May 10.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 153,726, May 10.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 153,727, May 10.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 153,728, May 10.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 153,729, May 10.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 154,509, July 12.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 156,032, Nov. 15.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 156,033, Nov. 15.
- Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trim-foot Company, Farmington, Mo. House shoe. 156,034, Nov. 15.
- Reinis Coat & Suit Co., Inc., assignee: *See*—
Sandler, Morris.
- Reinstein, Harry, Rye, N. Y. Link chain for a bracelet or similar article. 152,289, Jan. 4.
- Reinstein, Harry, Rye, N. Y. Bracelet or similar article. 154,954, Aug. 23.
- Reinstein, Harry, Rye, N. Y. Watchcase. 155,628, Oct. 18.
- Reisert, August D.: *See*—
Fox, Alexander F., and Reisert.
- Reiss, Ernest H., Floral Park, N. Y. Combination desk unit. 153,637, May 3.
- Reiter, Daniel I., New York, N. Y. Finger pull for zippers and the like. 154,144, June 14.
- Reiter, George, New York, N. Y. Suit. 155,629, Oct. 18.
- Reiter, George, New York, N. Y. Coat. 155,540, Oct. 11.
- Reiter, George, New York, N. Y. Suit. 155,541, Oct. 11.
- Reiter, George, New York, N. Y. Suit. 155,542, Oct. 11.
- Reiter, George, New York, N. Y. Suit. 155,543, Oct. 11.
- Reiter, Harold J., Chicago, Ill. Slide buckle. 156,651, Dec. 27.
- Reiter, Harold J., Chicago, Ill. Slide buckle. 156,660, Dec. 27.
- Reiter, Harold J., Chicago, Ill. Slide buckle. 156,661, Dec. 27.
- Reller, Marcus: *See*—
Austin, Mathias.
- Rembrandt Lamp Corporation, assignee: *See*—
Gershun, Merton L.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Power driven tractor. 153,638, May 3.
- Remington Arms Company, Inc., assignee: *See*—
Hameister, Harold L.
- Remsen Lamp Manufacturing Co., assignee: *See*—
Gotliffe, Irving I.
- Renalde, James, Denver, Colo. Cake mold. 156,663, Dec. 27.
- Renander, Clarence E., Lake Ozark, Mo. Box or the like. 154,432, July 5.
- Republic Aviation Corporation, assignee: *See*—
Kartveli, Alexander.
- Resina, Manuel S., Brooklyn, N. Y. Capping machine guard. 153,903, May 24.
- Ress, Maurice, New York, N. Y. Desk stand. 153,554, Apr. 26.
- Ressinger, Paul M., Chicago, Ill. Display case. 153,321, Apr. 5.
- Revell, Louis A., Los Angeles, Calif. Ash tray. 153,824, May 17.
- Revell, Louis A., Los Angeles, Calif. Ash tray. 154,565, July 19.
- Revere Camera Company, assignee: *See*—
Nelson, Harris E., and Lustig.
- Revere Electric Manufacturing Co., assignee: *See*—
Winters, Alva B.
- Revlon Products Corporation, assignee: *See*—
Gulley, Ralph G.
- Reynolds, Carl, Jr., Detroit, Mich., assignor to Moffats Limited, Weston, Ontario, Canada. Electrical heating apparatus. 154,067, June 7.
- Reynolds, Carl, Jr., Detroit, Mich., assignor to Moffats Limited, Weston, Ontario, Canada. Cooking range. 154,711, Aug. 2.
- Reynolds, Harry V., West Los Angeles, assignor to Reynolds Industries Incorporated, Culver City, Calif. Bobbin holder. 156,459, Dec. 13.
- Reynolds, Harry V., West Los Angeles, assignor to Reynolds Industries Incorporated, Culver City, Calif. Bobbin holder. 156,460, Dec. 13.
- Reynolds, Harry V., West Los Angeles, assignor to Reynolds Industries Incorporated, Culver City, Calif. Bobbin holder. 156,461, Dec. 13.
- Reynolds, Harry V., West Los Angeles, assignor to Reynolds Industries Incorporated, Culver City, Calif. Bobbin holder. 156,462, Dec. 13.
- Reynolds Industries Incorporated, assignee: *See*—
Reynolds, Harry V.
- Reynolds Metals Company, assignee: *See*—
Armbruster, Robert C.
Wemyss, Robert B.
- Reynoso, Salvador, Chicago, Ill. Alphabet for forming monograms or the like. 152,827, Feb. 22.
- Rheem Manufacturing Company, assignee: *See*—
Edwards, Harve D.
- Rice, Imas W., Aurora, Ill. Desk. 156,561, Dec. 20.
- Rice, Lewis G., Montague, Mich. Double-spoon fishing bait. 155,364, Sept. 27.
- Richards, Harper: *See*—
Clark, Jesse H., and Richards.
- Richards, Harper, Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio. Molded bottle carrying case. 152,906, Mar. 1.
- Richards, Harper, Chicago, Ill., assignor to The Richardson Company, Lockland, Ohio. Molded bottle carrying case. 152,907, Mar. 1.
- Richards, Harry C., Morristown, N. J., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Sun goggle or the like. 152,737, Feb. 15.
- Richards, James A., and Norman C. Russell, Kenosha, Wis. Table lamp. 155,838, Nov. 1.
- Richards, Lillian, Washington, D. C. Buttock rest. 156,664, Dec. 27.
- Richardson, Arthur A., Cranston, R. I., assignor to The Lloyd Products Company. Fluorescent starter switch. 153,730, May 10.
- Richardson Company, The, assignee: *See*—
Richards, Harper.
- Richardson, Herbert C.: *See*—
Hageman, Frank P., Mora, and Richardson.
- Richardson, Walter E., Chicago, Ill. Marble shooting apparatus. 156,035, Nov. 15.
- Richey, Robert C., Springfield, Ohio. Tobacco pouch. 154,807, Aug. 9.
- Richman, Harry A., assignor to Gem Manufacturing Co., Chicago, Ill. Automobile hood ornament. 155,839, Nov. 1.
- Ricino Chemicals, Inc., assignee: *See*—
Soscie, Marie A.
- Ricker, Ralph H., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for a hand telephone. 153,086, Mar. 15.
- Riddle, Harry J., Alameda, and A. B. Walker, Piedmont, Calif. Portable power sander. 153,174, Mar. 22.
- Riderman, Rudolph, assignor to Precision Plastic Products, Inc., Chicago, Ill. Television antenna. 153,825, May 17.
- Ridgefield Silversmiths, Inc., assignee: *See*—
San Giovanni, Edward, and Sohn.
Sohn, Ernest, and San Giovanni.
- Riedler, Walter: *See*—
Mechur, Bert, and Riedler.
- Rielly Company, Inc., assignee: *See*—
Rielly, Joseph A.
- Rielly, Joseph A., assignor to Rielly Company, Inc., New York, N. Y. Child's shirt. 155,036, Aug. 30.
- Riemann, Howard C., West Allis, assignor to The Fulton Company, Milwaukee, Wis. Vehicle windshield visor. 152,738, Feb. 15.

- Rinehart, Nina D., Seattle, Wash. Lady's hat and shoe case. 152,653, Feb. 8.
- Rishell, Leonard M., Davenport, Iowa, assignor to The Servus Rubber Company, Rock Island, Ill. Rubber shoe. 156,169, Nov. 22.
- Ristenpart, Chester H., assignee: *See*—
Stitt, James W.
- Rita, Samuel G., Chicago, Ill. Stool. 156,463, Dec. 13.
- Ritepoint Co., assignee: *See*—
Kuhn, Paul R.
Lipic, Sylvester G., and Lyon.
- Ritholz, Benjamin D., Chicago, Ill. Binocular telescope. 152,828, Feb. 22.
- Ritter Company, Inc., assignee: *See*—
Morrison, Montford.
- Ritter, Raymond A., Pittsburgh, Pa. Jeweled finger ring. 153,087, Mar. 15.
- Rives, Walter L., Jacksonville, Fla. Fishing rod reel mount. 154,068, June 7.
- Robbins, Joseph A., New York, N. Y. Pepper mill or the like. 154,955, Aug. 23.
- Robbiati, Giordano, Milan, Italy, assignor to O. Colcaire, Detroit, Mich., and A. R. Wilson, Washington, D. C. Coffee maker or similar article. 153,826, May 17.
- Robbins, Celia, New York, N. Y. Jewelry finding. 154,878, Aug. 16.
- Robbins Company, The, assignee: *See*—
Thoresen, George A.
- Robbins, John R., Alleghany, Calif. Ash tray. 155,630, Oct. 18.
- Robbins, John R., Alleghany, Calif. Cigarette snuffer. 156,464, Dec. 13.
- Robbins, Robert L., Jr., Hollywood, Calif., assignor, by mesne assignments, to Milton Bradley Company. Game board. 155,840, Nov. 1.
- Roberson Fabrics, Inc., assignee: *See*—
Godart, Jean.
Lewin, Nina.
- Roberson, Willard D., New York, N. Y. Textile fabric or similar article. 154,637, July 26.
- Roberts, Addie H., Atlanta, Ga. Shampoo rest. 155,841, Nov. 1.
- Roberts, Helen A., Buffalo, N. Y. Dinner cup. 154,217, June 21.
- Roberts, Henry C., Detroit, Mich. Pull toy. 152,290, Jan. 4.
- Roberts, Henry T., assignor to United States Vending Corporation, Chicago, Ill. Dispensing machine. 154,325, June 28.
- Roberts, Louise M., administratrix, assignee: *See*—
Kennison, Willis E.
- Robertson, James H., Redwood City, Calif. Clothespin. 155,925, Nov. 8.
- Robertson, William, assignor to Bull Dog Electric Products Company, Detroit, Mich. Combined switch and fuse panel board. 154,510, July 12.
- Robillard, Robert J., Bryan, Ohio. Tool balancer or similar article. 154,712, Aug. 2.
- Robillard, Robert J., assignor to The Aro Equipment Corporation, Bryan, Ohio. Housing for pneumatic motors or the like. 154,713, Aug. 2.
- Robin, Jacob I., New York, N. Y. Coat hanger. 155,926, Nov. 8.
- Robinson, Gerald C., Batavia, assignor to Girard Manufacturing Products, Inc., Maywood, Ill. Glass holding coaster. 156,562, Dec. 20.
- Rochester Optical Manufacturing Co., Inc., assignee: *See*—
Gullen, James J.
- Rochow, Arthur J., Pittsford, N. Y. Container for washing fabric articles or the like. 153,033, Mar. 8.
- Rochow, Arthur J., Pittsford, N. Y. Folding clothes rack. 154,956, Aug. 23.
- Rocks, Ewalt H.: *See*—
Albert, Carl P., and Rocks.
- Rockwell Manufacturing Company, assignee: *See*—
Gilmore, Edward R.
Niesemann, Fritz, and Van Doren.
- Rodbell, Morton M., New York, N. Y. Index pad holder. 156,665, Dec. 27.
- Rode, Dale A., Arkansaw, Wis. Condiment shaker. 152,739, Feb. 15.
- Rodgers-Yohey Body Corporation, assignee: *See*—
Yohey, Loren.
- Rodriquez, Anthony, Westfield, Mass. Handle for a brush or similar article. 152,654, Feb. 8.
- Roebling's, John A., Sons Company, assignee: *See*—
Ensign, Robert H.
- Roedter, Henry E., Cincinnati, Ohio. Charcoal grill. 155,631, Oct. 18.
- Roessler, Howard F., Philadelphia, Pa. Artificial bait. 156,036, Nov. 15.
- Roessler, Howard F., Philadelphia, Pa. Fish lure. 156,037, Nov. 15.
- Roethel Engineering Corporation, assignee: *See*—
Mader, William P.
Roethel, John H.
- Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ash tray. 153,395, Apr. 12.
- Rogers, Lunt & Bowlen Company, assignee: *See*—
Bowlen, Nord.
- Roggenstein, Edwin O., Norwalk, Conn., assignor to Electric Toys Inc.; R. Groben, Utica, N. Y., trustee in bankruptcy. Cable car body. 155,235, Sept. 13.
- Rogovin, Adele E., New York, N. Y. Toy baby-weighing scale. 155,106, Sept. 6.
- Roland, Wallace B., Oakland, Calif. Sprayer for laundries or the like. 153,034, Mar. 8.
- Rolling Fabriksaktiebolag, assignee: *See*—
Rönström, Roland R.
- Roma Wine and Liquor Company, assignee: *See*—
Miglioretti, James.
- Romanelli, Louis, Chicago, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Md. Acoustical tile. 156,170, Nov. 22.
- Romanelli, Louis, Chicago, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Acoustical tile. 156,171, Nov. 22.
- Romanelli, Louis, Chicago, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Acoustical tile. 156,172, Nov. 22.
- Romanelli, Louis, Chicago, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Acoustical tile. 156,173, Nov. 22.
- Romanelli, Louis, Chicago, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Acoustical tile. 156,174, Nov. 22.
- Romberg, Harland G., Omaha, Nebr. Smoker's tobacco pipe. 153,175, Mar. 22.
- Rominger, Rudolf, St. Moritz, Switzerland. Ski boot. 153,731, May 10.
- Roney, John F., Los Angeles, Calif., assignor to Safway Steel Products, Inc., Milwaukee, Wis. Portable grandstand frame. 153,732, May 10.
- Ronson Art Metal Works, Inc., assignee: *See*—
Flamm, Alexander L.
Kaupmann, Frederick.
- Rönström, Roland R., Saltsjobaden, assignor to Rolling Fabriksaktiebolag, Stockholm, Sweden. Band grinding machine. 156,666, Dec. 27.
- Rosander, Axel E.: *See*—
Rosander, John E. and A. E.
- Rosander, John E. and A. E., Minneapolis, Minn. Faucet for dispensing carbonated beverages. 154,879, Aug. 16.
- Rosbro Plastics Corporation, assignee: *See*—
Brown, Bertram M.
- Rosefield, John B., Piedmont, Calif., assignor to J. B. and J. O. Rosefield, doing business as An-Po Manufacturing Company. Insect poison container. 153,322, Apr. 5.
- Rosefield, John O.: *See*—
Rosefield, John B.
- Rosen, Jack, New York, N. Y. Textile fabric. 154,808, Aug. 9.
- Rosenbaum, Edward A., Milwaukee, Wis. Smoker's pipe rack. 152,498, Jan. 25.
- Rosenbaum, Joseph: *See*—
Molin, Benjamin, and Rosenbaum.
- Rosenfeld, Allan, New York, N. Y. Plate or similar article. 154,511, July 12.
- Rosengren, Herbert, Woodcliff Lake, N. J., assignor to The Jones & Lamson Machine Company. Optical comparator. 152,368, Jan. 11.
- Rosengren, Herbert, Woodcliff Lake, N. J., assignor to The Jones & Lamson Machine Company. Comparator. 152,387, Jan. 11.
- Rosenson, Alexander M., Washington, D. C. Spectacle frame. 155,732, Oct. 25.
- Rosenson, Alexander M., Washington, D. C. Spectacle frame. 155,733, Oct. 25.
- Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,740, Feb. 15.
- Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,741, Feb. 15.
- Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,742, Feb. 15.
- Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,743, Feb. 15.
- Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,744, Feb. 15.
- Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,745, Feb. 15.
- Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,746, Feb. 15.
- Rosenthal, Ethel, New York, N. Y. Dress. 153,982, May 31.
- Rosenthal, Fred S., Chicago, Ill. Spray nozzle. 156,175, Nov. 22.
- Rosenthal, Harry H.: *See*—
Adler, Kurt, and Rosenthal.
- Rosenthal, Lionel H., Milwaukee, Oreg. Grease fitting cap. 156,280, Nov. 29.
- Rosinger, Arthur, Newark, N. J. Housing for a magnetic stirrer for chemical laboratories or the like. 152,908, Mar. 1.
- Rosner, Joseph, Kirkwood, assignor to Pidgeon Vitrified China Company, Barnhart, Mo. Lamp base. 154,145, June 14.
- Rosner, Joseph, Kirkwood, assignor to Pidgeon Vitrified China Company, Barnhart, Mo. Lamp base. 155,734, Oct. 25.
- Ross, Albert R., Chicago, assignor to Dieterich Products Corporation, Oak Park, Ill. Automobile windshield shade. 156,373, Dec. 6.
- Ross, Allan E., assignor to L. L. Plattell, Vancouver, British Columbia, Canada. Floodlight fixture. 153,555, Apr. 26.

- Ross, Arthur A., assignor to General Motors Corporation, Detroit, Mich. Automobile instrument panel. 154,638, July 26.
- Ross, Arthur A., assignor to General Motors Corporation, Detroit, Mich. Automobile instrument panel. 154,639, July 26.
- Ross, Howard L., Greenwich, Conn. Combined bottle cap remover and cork screw. 154,880, Aug. 16.
- Rossell, Hubert S., Redwood City, Calif. Florist's wire holder. 152,655, Feb. 8.
- Rossi, Paul, Warren, Ohio. Combination pen rack and desk unit. 152,747, Feb. 15.
- Rossin, Richard L., assignee: *See*—Everett, Milton C.
- Rost, Katheryn, New York, N. Y. Dress. 153,457, Apr. 19.
- Rost, Katheryn, New York, N. Y. Dress. 153,458, Apr. 19.
- Rost, Katheryn, New York, N. Y. Dress. 153,459, Apr. 19.
- Rost, Katheryn, New York, N. Y. Dress. 153,460, Apr. 19.
- Rost, Katheryn, New York, N. Y. Dress. 153,461, Apr. 19.
- Rost, Katheryn, New York, N. Y. Dress. 153,462, Apr. 19.
- Rost, Katheryn, New York, N. Y. Dress. 153,463, Apr. 19.
- Roth, Chester H., Co., Inc., assignee: *See*—Lebow, Victor.
- Rothchild, Aaron, Flushing, N. Y. Combined apparel belt and writing implement. 155,107, Sept. 6.
- Rothie, Walter F., Washington, D. C. Calendar or the like. 154,957, Aug. 23.
- Rothie, Walter F., Washington, D. C. Combined grille, hood, fenders, and bumper for vehicles. 155,452, Oct. 4.
- Rothkrug, Edgar, New York, N. Y. Combined identification plate and money clip. 155,927, Nov. 8.
- Rothstein, Abe L., Newton, Mass. Sofa. 155,236, Sept. 13.
- Rowe Manufacturing Co., Inc., assignee: *See*—Metzler, Charles L.
- Royal Lace Paper Works, assignee: *See*—Karfiol, Edward.
- Roysher, Hudson B., Los Angeles, Calif. Nonrolling torque tool handle. 154,326, June 28.
- Roytek, Edward G., Mishawaka, Ind. Can perforator. 153,396, Apr. 12.
- Rubal, Raul, Los Angeles, Calif. Combined table lamp base and radio cabinet. 154,958, Aug. 23.
- Rubel & Company Decorative Accessories, Inc., assignee: *See*—San Giovanni, Edward, and Sohn.
- Ruben, Ernest, and San Giovanni.
- Rubenstein, Russell L., St. Louis, and V. J. Thornton, Maplewood, Mo.; said Thornton assignor to said Rubenstein. Utensil doll. 153,464, Apr. 19.
- Rubin, Herman, assignor to National Pictorial Lamp, Inc., Los Angeles, Calif. Lamp. 152,291, Jan. 4.
- Rubin, Joseph, Brooklyn, N. Y. Clown doll. 156,667, Dec. 27.
- Rubin, Sol R., Los Angeles, Calif. Roof vent or similar article. 154,881, Aug. 16.
- Rubinstein, Helena, Inc., assignee: *See*—Medgyes, Ladislav.
- Rucker, Leslie C., Arlington, Va. Pedicure instrument. 155,108, Sept. 6.
- Ruebel, Joseph B.: *See*—Reinhart, John B., Jr., and Ruebel.
- Rummelsburg, Alvin S., Hempstead, N. Y. Drawer handle. 152,829, Feb. 22.
- Rumsey Products, Inc., assignee: *See*—Emmons, Albert E.
- Runcolite Limited, assignee: *See*—Schreiber, Gabriele T.
- Runnels, Roy V., Hattiesburg, Miss. Counter service unit or similar article. 156,668, Dec. 27.
- Runnels, Roy V., Hattiesburg, Miss. Counter service unit or similar article. 156,669, Dec. 27.
- Runnels, Roy V., Hattiesburg, Miss. Counter service unit or similar article. 156,670, Dec. 27.
- Rupe, Donald D., Des Moines, Iowa. Toy bank. 152,567, Feb. 1.
- Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind. Air gauge. 153,035, Mar. 8.
- Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind. Portable pneumatic gauge. 153,639, May 3.
- Ruppert, Clarence J., assignor of thirty-three and one-third per cent to E. W. Gaffield, Washington, D. C., and thirty-three and one-third per cent to R. N. Matson, Silver Spring, Md. Cycle saddle cover. 156,038, Nov. 15.
- Ruppert, Jack, assignee: *See*—Farrell, Frank.
- Ruskin, George, Los Angeles, Calif. Decorative lamp. 156,465, Dec. 13.
- Russell, Alfred R., St. Clair Shores, Mich. Automobile hood ornament. 154,327, June 28.
- Russell, Asa M.: *See*—Gay, Margaret L., and Russell.
- Russell, Donald F., Newburyport, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 155,735, Oct. 25.
- Russell, John K., North Hollywood, Calif. Fishhook. 155,736, Oct. 25.
- Russell, Lawrence H., Saginaw, Mich. Pitcher. 155,632, Oct. 18.
- Russell, Lawrence H., Saginaw, Mich. Pitcher. 156,671, Dec. 27.
- Russell, Norman C.: *See*—Richards, James A., and Russell.
- Russell, Thomas, Chicago, Ill. Garment bag or similar article. 153,556, Apr. 26.
- Russian, Herman A., New Haven, Conn. Pajama suit or similar article. 152,830, Feb. 22.
- Rust, Russell L., San Marino, Calif. Coin bank. 156,672, Dec. 27.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,146, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,147, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,148, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,149, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,150, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,151, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,152, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,153, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,154, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,155, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,156, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,157, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,158, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,159, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,160, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,161, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,162, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,163, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,164, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,165, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,166, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,167, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,168, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,169, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,170, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,171, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,172, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,173, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,174, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,175, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,176, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,177, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,178, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,179, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,180, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,181, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,182, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,183, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,184, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,185, June 14.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,328, June 28.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering border strip. 154,566, July 19.
- Ryan, John E., Danbury, Conn. Tile floor and wall covering. 155,737, Oct. 25.
- Ryan, Johnnie, Co., The, assignee: *See*—D'Addario, Thomas.

- Ryder, Carleton B.: *See*—
Hadley, Donald L., Ryder, and Pedersen.
Rygasewicz, Edwin F., Santa Monica, Calif. Combined bumper guard and fog light housing. 153,904, May 24.
Rysdon, Max L., Slouss Falls, S. Dak. Roof finial. 153,983, May 31.
S & G Gump Company, assignee: *See*—
Carter, Warren.
Saba, Joseph G., Brookline, Mass. Dish or the like. 152,831, Feb. 22.
Sabelis, William, South Gate, Calif. Plaque. 153,036, Mar. 8.
Sabotka, Phillip S., Baltimore, Md., assignor to Eichenbaum Umbrella Co., Inc., New York, N. Y. Umbrella. 156,673, Dec. 27.
Sack, Harold: *See*—
Greenstein, Julius, and Sack.
Sado, Harry, assignor to Marlin Manufacturing Company, Inc., New York, N. Y. Electric broiler. 152,292, Jan. 4.
Sabo, Therese M., Los Angeles, Calif. Dish cloth holder. 156,039, Nov. 15.
Safety Corner Company: *See*—
Scheip, James R.
Safway Steel Products, Inc., assignee: *See*—
Roney, John F.
Sager, Abraham G., Chicago, Ill. Finger ring. 153,984, May 31.
Sager, Solomon M., Chicago, Ill. Ball pen, or similar article. 153,905, May 24.
St. John, Eunice M., Los Angeles, Calif. Lamp stand. 153,833, May 17.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick. 153,037, Mar. 8.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick. 153,038, Mar. 8.
Sakier, George, New York, N. Y., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 153,176, Mar. 22.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. 155,738, Oct. 25.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 156,040, Nov. 15.
Salers, Inc., assignee: *See*—
Springer-Miller, Frank.
Sallee, Harry D., New York, N. Y. Tie rack. 156,563, Dec. 20.
Sallot, Bernard M., Cleveland Heights, and M. P. Hofmann, Bay Village, assignors to Wilster Incorporated, Cleveland, Ohio. Ventilating fan housing. 155,037, Aug. 30.
Sally, Theodore: *See*—
Zandberg, Paul, Feinstein, Sally, and Wachtin.
Sambito, Anthony A., Leominster, Mass. Dispenser for cotton, paper tissues, or the like. 156,041, Nov. 15.
Sampson, Merrill G., Santa Monica, Calif. Smoker's pipe. 152,369, Jan. 11.
Santee Manufacturing Company, assignee: *See*—
Szantay, Elmer.
Sandefur-Burke, Inc., assignee: *See*—
Sandefur, Richard L.
Sandefur, Richard L., Central Islip, assignor to Sandefur-Burke, Inc., Bethpage, N. Y. Combined pin and container or similar article. 155,928, Nov. 8.
Sanders, Charles M., Ponca City, Okla. Combined ash tray rack and cigarette holder. 152,370, Jan. 11.
Sanders, Edna L., Laytonville, Calif. Combined place card and flower holder. 155,237, Sept. 13.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Combined backspasher and top for electric range. 153,557, Apr. 26.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Combined backspasher and top for electric range. 153,558, Apr. 26.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Combined backspasher and top for electric range. 153,559, Apr. 26.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Automatic clothes drier. 153,985, May 31.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator. 154,186, June 14.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator. 154,187, June 14.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator. 154,188, June 14.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Combination dishwasher and sink. 156,281, Nov. 29.
Sandin, Raymond C., Oak Park, assignor to Hotpoint Inc., Chicago, Ill. Electric griddle. 155,842, Nov. 1.
Sandin, Raymond C., Oak Park, assignor to Hotpoint Inc., Chicago, Ill. Combination electric griddle and grill. 155,843, Nov. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,568, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,569, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,570, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,571, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,572, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 154,512, July 12.
Sandler, Jacob, New York, N. Y. Shoe. 154,513, July 12.
Sandler, Morris, assignor to Reimis Coat & Suit Co., Inc., New York, N. Y. Suit coat. 156,374, Dec. 6.
Sandler, Quentin, assignor to Sherry Fashions, Inc., Miami, Fla. Scarf. 156,042, Nov. 15.
Sancs, Garry, Cleveland Heights, Ohio. Overbed utility cabinet. 156,043, Nov. 15.
Sanford Products, Inc., assignee: *See*—
Eaton, Wilfred A.
Sanford, Roy S., Woodbury, assignor to The Autoyre Company, Incorporated, Oakfield, Conn. Bracket. 153,039, Mar. 8.
San Giovanni, Edward: *See*—
Sohn, Ernest, and San Giovanni.
San Giovanni, Edward, Ridgefield, Conn. Lighter. 154,714, Aug. 2.
San Giovanni, Edward, Ridgefield, Conn. Combined lighter and cigarette holder. 154,809, Aug. 9.
San Giovanni, Edward, Ridgefield, Conn., and E. Sohn, New York, N. Y.; said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y. Combined cigarette and lighter holder. 155,146, Sept. 13.
Sanitary Scale Company, assignee: *See*—
Karp, Edward C., and Berglund.
Sasser, Travis M., Terrace Park, assignor to Shipping Room Suppliers, Inc., Cincinnati, Ohio. Groceries truck. 154,640, July 26.
Satterthwaite, Franklin B., Short Hills, N. J. Game block. 153,560, Apr. 26.
Savarese, Vincent A., Philadelphia, Pa. Watering pot. 154,882, Aug. 16.
Sawyer, Charles W., Columbus, assignor, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio. Bathtub. 156,564, Dec. 20.
Scalf, William D., and L. W. Ramsey, Barbourville, Ky. Handsaw. 153,088, Mar. 15.
Schaefer, Carl W. D., Dayton, Ohio, assignor to Philco Corporation, Philadelphia, Pa. Phonograph tone arm. 154,069, June 7.
Schaefer, Carl W. D., Dayton, Ohio, assignor to Philco Corporation, Philadelphia, Pa. Phonograph cabinet. 156,375, Dec. 6.
Schaefer, Charles, Cleveland, Ohio, assignor, by mesne assignments, to J. Major, Chicago, and H. J. Duester, Norward Park Station, Chicago, Ill. Extensible watch bracelet. 153,827, May 17.
Schaefer, Charles, Cleveland, Ohio, assignor, by mesne assignments, to J. Major and H. J. Duester, Chicago, Ill. Extensible watch bracelet. 156,565, Dec. 20.
Schaffer, Harriet, assignee: *See*—
Chipman, Richmond L., Jr.
Groos, Eleanor.
Schaffer, Milton, assignee: *See*—
Chipman, Richmond L., Jr.
Groos, Eleanor.
Scharaga, David I., Mount Vernon, N. Y. Baby's high chair. 152,832, Feb. 22.
Scheidlinger, Samuel, Jackson Heights, N. Y. Jacket or similar article. 153,089, Mar. 15.
Scheip, J. A., assignee: *See*—
Scheip, James R.
Scheip, J. R., assignee: *See*—
Scheip, James R.
Scheip, James R., assignor to H. H. Chaffee, and J. A. and J. R. Scheip, doing business as Safety Corner Company, Tipp City, Ohio. Condiment receptacle. 153,237, Mar. 29.
Scheip, James R., assignor to H. H. Chaffee, and J. A. and J. R. Scheip, doing business as Safety Corner Company, Tipp City, Ohio. Condiment receptacle. 153,238, Mar. 29.
Schell, Maxine H.: *See*—
Frie, Lula J., and Schell.
Schenley Distillers Corporation, assignee: *See*—
Donnelly, Joseph B.
Schepige, William P., Newark, N. J. Portable power-driven band saw. 156,282, Nov. 29.
Schertz, Adolph, Youngstown, Ohio. Ash tray. 153,640, May 3.
Scheu, Norma I., Los Angeles, Calif. Felt boot. 152,833, Feb. 22.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 155,544, Oct. 11.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 155,545, Oct. 11.
Schick, Howard M., Lee's Summit, Mo. Display fixture. 152,371, Jan. 11.
Schick Incorporated, assignee: *See*—
Otto, Carl L.
Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio and table cabinet combination. 152,748, Feb. 15.
Schier, Wallace, Forest Hills, Long Island, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio cabinet. 153,323, Apr. 5.
Schier, Wallace, Forest Hills, and David L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio cabinet. 153,040, Mar. 8.

- Schiff, Ann R., Columbus, Ohio. Combined handbag and spectacle holder. 154,329, June 28.
- Schildmeier, Henry C., Indianapolis, Ind. Wheel weight tool. 155,929, Nov. 8.
- Schipper, Maurice J., San Diego, Calif. Combined cigarette holder and dispenser. 154,330, June 28.
- Schiring, Ralph C.: *See*—
Goldfield, Edwin R., and Schiring.
- Schladermundt, Peter: *See*—
Green, Warren, and Schladermundt.
- Schladermundt, Peter, Bronxville, N. Y., and C. L. Metzler, Palisades Park, and E. E. Hallander, West Caldwell, assignors to International Projector Corporation, Bloomfield, N. J. Casing for dry cleaning machines. 152,499, Jan. 25.
- Schladermundt, Peter, Bronxville, N. Y., and C. L. Metzler, Palisades Park, N. Y., assignors to Valley Upholstery Corp., New York, N. Y. Chair. 156,376, Dec. 6.
- Schmidt, Jack H., Chicago, assignor to The Northwestern Corporation, Morris, Ill. Vending machine. 156,566, Dec. 20.
- Schmidt, Thur, Chicago, Ill. Beverage bottle case. 154,433, July 5.
- Schmiege, Herbert, Saginaw, Mich. Armrest for vehicle seats. 154,810, Aug. 9.
- Schmitz, Robert J., Minneapolis, Minn. Bottle. 153,177, Mar. 22.
- Schneebaum, Frida, New York, N. Y. Charm or similar article. 155,633, Oct. 18.
- Schneeberger, Leroy O., St. Louis, Mo. Bottle display stand. 154,959, Aug. 23.
- Schnefel Bros. Corporation, assignee: *See*—
Gardiner, Carl W.
- Schneider, Robert L., San Francisco, Calif. Bottle pourer. 154,514, July 12.
- Schnitger, Wilbert F., Waukesha, and E. C. Southall, Milwaukee, Wis. Brake adjusting tool. 154,331, June 28.
- Schober, Raymond A., Chicago, Ill. Globe for electric lamps. 155,365, Sept. 27.
- Schofield, Earl L., Rockford, assignor to Burgess Battery Company, Freeport, Ill. Flashlight. 153,733, May 10.
- Schorr, Louis, Brooklyn, N. Y. Jewelry component. 155,433, Oct. 4.
- Schottenberg, Howard S., Oil City, Pa. Ring box or similar article. 154,883, Aug. 16.
- Schrager, Norman R., Beverly Hills, Calif. Finger ring. 154,641, July 26.
- Schreck, Emanuel, Forest Hills, N. Y. Drapeable umbrella. 152,436, Jan. 18.
- Schreck, Robert J., assignor to Badger Glove and Slipper Company, Milwaukee, Wis. Child's slipper. 156,044, Nov. 15.
- Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Headlight cluster for bicycle. 152,437, Jan. 18.
- Schreiber, Gabriele T., known as Gaby Schreiber, assignor to Runcolite Limited, London, England. Combined tray and condiment dispensing unit. 156,283, Nov. 29.
- Schreiber, Gaby: *See*—
Schreiber, Gabriele T.
- Schreiber, John H., assignor to General Engineering & Manufacturing Company, St. Louis, Mo. Space cooler cabinet or the like. 152,372, Jan. 11.
- Schroeder, Laura B., Milwaukee, Wis. Invalid's cane. 156,567, Dec. 20.
- Schroer, Gerhard J.: *See*—
Hansen, George H., Schroer, and Curtis.
- Schuander, Allan, assignee: *See*—
Chipman, Richmond L., Jr.
- Chipman, Richmond L., Jr., Groos, Eleanor.
- Schuander, Ruth, assignee: *See*—
Chipman, Richmond L., Jr.
- Groos, Eleanor.
- Schubert, Alvin E., T. G. Clement, and J. F. Egan, assignors to Eastman Kodak Company, Rochester, N. Y. Document copying apparatus. 154,332, June 28.
- Schukat, Adolph, assignor to A. C. Weber & Co., Inc., Chicago, Ill. Combined sewing machine cabinet and chair therefor. 154,453, July 12.
- Schultz, Jerry C., New York, N. Y. Electric sadiron. 154,434, July 5.
- Schultz, Paul, Bally, Pa. Lamp stand. 152,573, Feb. 1.
- Schulz, Richard E., assignor to Wickes Bros., Saginaw, Mich. Center drive lathe. 156,377, Dec. 6.
- Schumacher, Frederick J., and A. J. Kinnane, Bay City, Mich., said Schumacher assignor to said Kinnane. Bottle opener. 156,568, Dec. 20.
- Schumacher, Paul F., assignee: *See*—
Clark, Charles H.
- Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Drink mixer. 156,674, Dec. 27.
- Schwartz, I., Glass & Mirror Co., assignee: *See*—
Schwartz, Isidor.
- Schwartz, Isidor, assignor to I. Schwartz Glass & Mirror Co., New York, N. Y. Dressing table. 153,397, Apr. 12.
- Schwartz, Martin W., and M. J. Marks, Chicago, Ill. Electric lighting fixture. 154,960, Aug. 23.
- Schwartz, Max, New York, N. Y. Game apparatus. 153,239, Mar. 29.
- Schwartz, Morris, Sunnyside, N. Y. Spectacle frame or similar article. 152,373, Jan. 11.
- Schwartz, Shepard B.: *See*—
Blum, Robert D., Jr., and Schwartz.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,909, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,910, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,911, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,912, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,913, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,914, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,915, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,916, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,917, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 152,920, Mar. 1.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 153,178, Mar. 22.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 155,454, Oct. 4.
- Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 155,455, Oct. 4.
- Schwartz, Sidney, assignor to Bantam-Lite, Inc., New York, N. Y. Wrist flashlight or similar article. 154,333, June 28.
- Schwartz, Thomas A., Topeka, Kans. Phonograph cabinet. 156,378, Dec. 6.
- Schwarz, Ernst G., New York, N. Y. Ball pendant watch or similar article. 152,500, Jan. 25.
- Schwisow, Arnold J., Hopkins, Minn. Ash tray. 152,656, Feb. 8.
- Scola, Crescenzo J., Providence, R. I. Finger ring. 153,986, May 31.
- Score, Leslie H., Chino, assignor to H. A. Weil, Los Angeles, Calif. Wire stripper. 152,374, Jan. 11.
- Seaberg, Ernest E., Brooklyn, assignor to Carnoy Products Corporation, Elmsford, N. Y. Fire extinguisher. 155,456, Oct. 4.
- Seager, Amanda S., Glendale, Calif. Silverware polishing stand. 154,334, June 28.
- Sealove, George, New York, N. Y. Dress. 154,884, Aug. 16.
- Seamless Rubber Company, The, assignee: *See*—
Gow, Arthur R., and Manville.
- Sears, Roebuck and Co., assignee: *See*—
Couzens, Joseph J.
- Ferar, Montgomery.
- Ferar, Montgomery, and Sundberg.
- Karstadt, Clarence.
- Springwell, Juan.
- Sundberg, Carl W., and Ferar.
- Sebastian, Anna M., Cairo, Ill. Panties. 152,501, Jan. 25.
- Sebel, Harry, London, England. Chair. 153,041, Mar. 8.
- Sechrist, Elwood K., and D. T. Offord, Detroit, Mich. Tongs. 154,335, June 28.
- Secofsky, Abraham, and M. A. Melsel, New York, and A. Zalman, Kew Gardens Hills, N. Y. Combined camera support and floodlight lamp holder. 155,546, Oct. 11.
- Seeger, George C.: *See*—
Crosby, Stephen A., and Seeger.
- Segil, L. J., Company, assignee: *See*—
Howard, Joseph O.
- Seibel, D. Stanley, assignee: *See*—
Brown, Wilson W.
- Seidel, William L., Wyomissing, assignor to Willson Products, Inc., Reading, Pa. Pair of sunglasses. 153,561, Apr. 26.
- Seiter, Otto, Wallingford, assignor to The Nestle-Le Mur Company, Meriden, Conn. Permanent waving machine. 156,284, Nov. 29.
- Sefarto, Lester, Richmond Hill, N. Y. Table. 154,515, July 12.
- Select Jewelry Mfg. Co. Inc., assignee: *See*—
Markoe, Jacob.
- Seley, Sidney C., Erie, Pa. Combined cleaning and scraping device. 152,375, Jan. 11.

- Seligman, Erwin, Roxbury, Mass. Shoe or similar article. 153,562, Apr. 26.
- Sellkoff, William, and W. B. McBride, assignors to Meteor Manufacturing Corp., Buffalo, N. Y. Cheese slicer or the like. 152,749, Feb. 15.
- Selmer, H. & A., Inc., assignee: *See*—
Bach, Alfons.
- Selo, Monroe A.: *See*—
Gustin, Nelson D., Hartung, and Selo.
- Sengbusch, Gustav J., Milwaukee, Wis. Inkstand. 153,179, Mar. 22.
- Sennewald, Fred A., Van Nuys, Calif. Metal-working tool. 153,042, Mar. 8.
- Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 155,038, Aug. 30.
- Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 155,039, Aug. 30.
- Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 155,040, Aug. 30.
- Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 155,041, Aug. 30.
- Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 155,042, Aug. 30.
- Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 155,043, Aug. 30.
- Serra, Javier, assignor to Les Parfums de Dana, Inc., New York, N. Y. Jar. 155,930, Nov. 8.
- Serra, Javier, assignor to Les Parfums de Dana, Inc., New York, N. Y. Bottle. 155,931, Nov. 8.
- Serva-Matic Corporation, assignee: *See*—
Feder, Alvin.
- Service Sales Company, Inc., assignee: *See*—
Towne, Frederick T.
- Servus Rubber Company, The, assignee: *See*—
Crowley, John T.
Little, Clinton E.
Rishell, Leonard M.
- Sesona, Albert J., Jr., Quincy, Mass. Combination ash tray, glass holder, or similar article. 154,885, Aug. 16.
- Settle, Charles C., Columbus, Ind. Folding jewel chest. 153,828, May 17.
- Sexton, John, & Co., assignee: *See*—
Sexton, Sherman J.
- Sexton, Sherman J., assignor to John Sexton & Co., Chicago, Ill. Revolving holder for bottles and other containers. 153,090, Mar. 15.
- Shade O'Shingle Awning Company, assignee: *See*—
Arabit, Louis.
- Shaeffer, Norbert, Hollywood, assignor to Electra Motors, Inc., Anaheim, Calif. Motor. 154,811, Aug. 9.
- Shafer, George B.: *See*—
Shafer, John D. and G. B.
- Shafer, John D. and G. B., assignors to U. S. Lite-Ray Company, Dayton, Ohio. Pump. 155,739, Oct. 25.
- Shannon, Harold S., Detroit, Mich., assignor to National Steel Corporation. Building. 153,043, Mar. 8.
- Shannon, Harold S., Detroit, Mich., assignor to National Steel Corporation. Building. 153,044, Mar. 8.
- Shannon, Harold S., Detroit, Mich., assignor to National Steel Corporation. Building. 153,180, Mar. 22.
- Shapiro, Harry, Augusta, Ga. Undershoe. 152,750, Feb. 15.
- Shapter, Robert D., Corry, Pa., assignor, by mesne assignments, to The Murray Corporation of America. Cabinet for a clothes drier. 152,921, Mar. 1.
- Sharits, Harry P., Denver, Colo. Wall bracket. 154,336, June 28.
- Shaw, Herbert R., Shirley, England. Child's push-chair. 153,906, May 24.
- Shaw, Jack, Brooklyn, N. Y. Hanging flower basket. 152,293, Jan. 4.
- Shaw, Melvin: *See*—
Allen, Robert Y., and Shaw.
- Shaw, Melvin, Beverly Hills, and R. Y. Allen, Pacific Palisades, Calif. Picture dialing device for a phonograph record. 155,740, Oct. 25.
- Sheakspere Company, assignee: *See*—
Clickner, Earle D.
- Shelton, Thomas M., Chula Vista, Calif. Toy gun. 154,516, July 12.
- Shepard, Ernest L., Fairfield, Maine. Packing material for fragile articles. 152,834, Feb. 22.
- Shepard, Ernest L., Fairfield, Maine. Fruit packer. 155,109, Sept. 6.
- Shepard, Ernest L., Fairfield, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, as trustees. Pack for fragile articles. 155,932, Nov. 8.
- Shepard, George C.: *See*—
Huss, Fred E., and Shepard.
- Sheppard, George H., Waycross, Ga. Bedspread. 156,045, Nov. 15.
- Sherman, Floyd A., Cleveland, Ohio. Generator housing side plate for gasoline engines. 155,741, Oct. 25.
- Sherman, Jacob S., assignor to Park Sherman Co., Inc., Chicago, Ill. Table lighter or similar article. 153,563, Apr. 26.
- Sherman, Sylvia, New York, N. Y. Textile fabric. 154,812, Aug. 9.
- Sherman, Sylvia, New York, N. Y. Textile fabric. 154,813, Aug. 9.
- Sherry Fashions, Inc., assignee: *See*—
Sandler, Quentin.
- Sherwin, Ralph J., Toledo, Ohio. Lady's boot or the like. 152,376, Jan. 11.
- Sherwin-Williams Company, The, assignee: *See*—
Hartley, Emmett C.
- Shevis, Estelle B., Belmont, Maine. Child's purse. 155,742, Oct. 25.
- Shewitz, Newton, P. L. Sloane, and A. Vaiksnoras, Jr., assignors to Accurate Parts Manufacturing Company, Cleveland, Ohio. Postal scale. 152,377, Jan. 11.
- Shinno, Tatsuko, Larchmont, N. Y. Vase. 155,933, Nov. 8.
- Shipe, James H., Winter Haven, Fla. Trailer body. 154,814, Aug. 9.
- Shipping Room Suppliers, Inc., assignee: *See*—
Sasser, Travis M.
- Shipton, Edward, Northwood Hills, England. Hand microphone telephone. 152,922, Mar. 1.
- Shocket, William A., Brooklyn, N. Y. Stapler. 154,886, Aug. 16.
- Shouse, Jouett, assignee: *See*—
Gaffield, Eli W.
- Shulman, Louis, New York, N. Y. Brassière. 156,675, Dec. 27.
- Shure Brothers, Incorporated, assignee: *See*—
Karstadt, Clarence.
- Shure, Samuel J., assignee: *See*—
Wende, Adolph H.
- Sidnell, Albert E., Akron, Ohio. Rubber glove. 155,457, Oct. 4.
- Sidore, May, Manchester, N. H., assignor to Pandora Knitwear, Inc., New York, N. Y. Knitted fabric. 153,641, May 3.
- Siegel, Harold R., and M. Paull, Rochester, N. Y. Advertising display device for attachment to parking meters. 152,294, Jan. 4.
- Siegel, Martin, Newark, W. S. Hosek, Bloomfield, and F. L. Boucher, Millington, N. J. Game board. 154,567, July 19.
- Sievert, William F.: *See*—
Kent, Frederick W., and Sievert.
- Sigler, Howard R.: *See*—
Laystrom, Carl A., and Sigler.
- Sigler, Howard R., Argenta, and C. A. Laystrom, Decatur, assignors, by mesne assignments, to Fairies Manufacturing Company, Chicago, Ill. Combined toothbrush and toothpaste holder or similar article. 154,218, June 21.
- Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Casing for a strip cutting machine. 154,715, Aug. 2.
- Silberhartz, Philip, Maywood, assignor to Artolier Corporation, Lodi, N. J. Lantern. 153,987, May 31.
- Silberman, Morris, assignor to M. Streesover, New York, N. Y. Applique or the like. 156,176, Nov. 22.
- Sillex Company, The, assignee: *See*—
Muller-Munk, Peter.
- Silson, Victor, New York, N. Y. Combined cake of soap and spool holder. 153,734, May 10.
- Silson, Victor, assignor to Helena Rubinstein, Inc., New York, N. Y. Bottle. 156,046, Nov. 15.
- Silverman, Bert, New York, N. Y. Combined finger ring and watch. 154,887, Aug. 16.
- Silverman, Howard A., Pittsburgh, assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 154,337, June 28.
- Silverman, Richard J., Brooklyn, N. Y. Christmas tree ornament. 153,642, May 3.
- Simmons Company, assignee: *See*—
Hoffmann, Karl C.
- Simmons, Earl W., Mount Vernon, assignor to The McKay Products Corporation, New York, N. Y. Textile fabric. 153,181, Mar. 22.
- Simon, Edwin G., San Francisco, Calif. Plane. 154,189, June 14.
- Simon, Henriette, New York, N. Y. Slipper or similar article. 156,047, Nov. 15.
- Simon, Henriette, New York, N. Y. Slipper or similar article. 156,048, Nov. 15.
- Simon, Henriette, New York, N. Y. Slipper or similar article. 156,049, Nov. 15.
- Simon, Stephan J., Detroit, Mich. Fish lure. 152,657, Feb. 8.
- Simoneau, Joseph W., Nashua, N. H. Bottle or similar article. 155,743, Oct. 25.
- Simplex Typewriter Company, Inc., assignee: *See*—
Thompson, Samuel A.
- Simpson, David M., Hawthorne, Calif. Scooter. 154,070, June 7.
- Simpson Electric Company, assignee: *See*—
Simpson, Ray.
- Simpson, James C., Hartford, Wis. Billfold. 155,844, Nov. 1.
- Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Combination tumbler and toothbrush holder. 154,568, July 19.
- Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Combination tumbler and toothbrush holder. 154,569, July 19.
- Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Soap dish or similar article. 154,570, July 19.

- Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Combination tumbler and toothbrush holder or similar article. 154,642, July 26.
- Simpson, Paul F., Washington, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Soap dish or similar article. 154,643, July 26.
- Simpson, Paul F., Washington, Conn., assignor to International Meters, Inc., New York, N. Y. Parking meter housing. 154,716, Aug. 2.
- Simpson, Ray, River Forest, assignor to Simpson Electric Company, Chicago, Ill. Cover for an electronic tube tester. 156,569, Dec. 20.
- Simun, Vavrince, Detroit, Mich. Trolling spinner. 152,295, Jan. 4.
- Singer, Leonard, New York, N. Y. Curtain. 154,190, June 14.
- Singer Manufacturing Company, The, assignee: *See—* Marsac, Leonard C., and Peets.
- Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Dial scale. 154,717, Aug. 2.
- Siros, William V., Houston, Tex. Shoe shining machine. 154,718, Aug. 2.
- Sissom, Clifford H., Italy, Tex. Toy water well. 154,435, July 5.
- Skamser, Clarence M., Superior, Wis., and V. S. Skamser, Los Angeles, assignors to Skamser Spindriver Corporation of America, Long Beach, Calif. Screw driver. 154,644, July 26.
- Skamser Spindriver Corporation of America, assignee: *See—* Skamser, Clarence M. and V. S. Skamser, Sydney.
- Skamser, Sydney, Los Angeles, assignor to Skamser Spindriver Corporation of America, Long Beach, Calif. Combined screwdriver and inertia weight. 153,182, Mar. 22.
- Skamser, Vern S.: *See—* Skamser, Clarence M. and V. S.
- Skelley, Mildred A., assignee: *See—* Hoople, Warner W.
- Skells, Arthur L., Redlands, Calif. Armrest tray. 155,238, Sept. 13.
- Skidmore, Leo D. J., London, Ontario, Canada, assignor to Prel Incorporated, East Orange, N. J. Liquid spraying device. 156,676, Dec. 27.
- Skilsaw, Inc., assignee: *See—* Forss, Frithiof P.
- Skinner, Clairborne A., Webster Groves, Mo. Flag holder. 152,378, Jan. 11.
- Skipp, Herbert J. A., East Providence, assignor to James Perry Mfg. Co., Providence, R. I. Finger ring. 153,829, May 17.
- Skipp, Herbert J. A., East Providence, assignor to James Perry Mfg. Co., Providence, R. I. Finger ring. 153,830, May 17.
- Sklar, George, Philadelphia, Pa. Tablecloth or similar article. 153,183, Mar. 22.
- Sklar, Morris, Brooklyn, N. Y. Wrist watch band. 152,658, Feb. 8.
- Sklar, Nathan R., assignee: *See—* Cook, Chester L. Jones, Charles E.
- Skrastin, Fred J., Jr., Butte, Mont. Spoon or article of similar nature. 152,438, Jan. 18.
- Slavsky, John R.: *See—* Slavsky, Robert J. and J. R.
- Slavsky, Robert J. and J. R., Detroit, Mich. Knife handle. 154,719, Aug. 2.
- Sleeman, Richard H., Toronto, Ontario, Canada. Cribbage board or similar article. 156,285, Nov. 29.
- Sloan, Abraham, Lynn, Mass. Baby's food tray or article of analogous nature. 152,659, Feb. 8.
- Sloane-Blabon Corporation, assignee: *See—* Male, Carleton.
- Sloane, Phyllis L.: *See—* Shewitz, Newson, Sloane, and Vaiksnozas.
- Smallman, Samuel J., New York, N. Y. Wallet or similar article. 155,458, Oct. 4.
- Smiley, Eldridge H., Rosemead, and F. K. Storm, Jr., Los Angeles, Calif., assignors, by mesne assignments, to Kold-Krisp Apple Service. Vending machine cabinet. 155,634, Oct. 18.
- Smith, Alva T., Milwaukee, Wis. Liquid fuel container. 155,044, Aug. 30.
- Smith, Arthur E., Los Angeles, Calif. Disposable syringe. 154,720, Aug. 2.
- Smith, Arthur L., Seattle, Wash. Cribbage board. 156,570, Dec. 20.
- Smith, Arthur W., Los Angeles, Calif. Power-operated hand tool. 153,398, Apr. 12.
- Smith, Benjamin H., South Gate, Calif. Folding socket-head key holder. 156,677, Dec. 27.
- Smith, Benjamin H., Kansas City, and W. P. Peterson, Independence, Mo., said Smith assignor to said Peterson. Vehicle lamp. 153,184, Mar. 22.
- Smith, Burton O., assignor to Vacuum Can Company, Chicago, Ill. Portable beverage dispenser. 154,191, June 14.
- Smith, Charles W., Rockville Centre, N. Y. Cigarette lighter. 153,185, Mar. 22.
- Smith, Frank, Silver Company, assignee: *See—* Morgan, James P.
- Smith, Frasier, Wheeling, W. Va., assignor to L. Perrigo Company, Allegan, Mich. Bottle. 152,296, Jan. 4.
- Smith, Frederick K., Toledo, Ohio. Vegetable cutter. 154,071, June 7.
- Smith, Gertrude I.: *See—* Addleston, Howard F., and Smith.
- Smith, Harry B., Westfield, and G. A. Dolan, East Orange, N. J. Electrical heating and welding transformer. 152,660, Feb. 8.
- Smith, Jesse E., Greenbelt, Md. Badge or the like. 152,297, Jan. 4.
- Smith, Margot E., assignor to Kickernick, Inc., Minneapolis, Minn. Bed jacket. 152,661, Feb. 8.
- Smith, Milton B., Huntington, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Phonograph record holder. 155,547, Oct. 11.
- Smith, Milton B., Huntington, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Phonograph record holder frame. 155,548, Oct. 11.
- Smith, Norman J., Medfield, Mass. Thermostatic switch. 156,286, Nov. 29.
- Smith, Ralph C., Valparaiso, Ind. Owl figurine. 152,662, Feb. 8.
- Smith, Richard S., Buffalo, N. Y. Embossed metal sheet. 155,934, Nov. 8.
- Smith, Richard S., Buffalo, N. Y. Embossed metal sheet. 155,935, Nov. 8.
- Smith, Richard V.: *See—* Kauffman, Jack, and Smith.
- Smith, S., & Sons (England) Limited, assignee: *See—* Winterbourne, James E. V.
- Smith, Thomas J., Seattle, Wash. Pin-up lamp. 154,338, June 28.
- Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Washing machine. 156,287, Nov. 29.
- Smith, William C., East Liverpool, Ohio. Manicurist hand support. 155,239, Sept. 13.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,339, June 28.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,340, June 28.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,341, June 28.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,342, June 28.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,343, June 28.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,815, Aug. 9.
- Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Seat for bicycles and the like. 155,845, Nov. 1.
- Smithburn, George E., Berkeley, Calif. Powered tiller. 156,466, Dec. 13.
- Smolensky, Michael, Cleveland, Ohio. Double acting sink valve faucet unit. 153,907, May 24.
- Smoleroff, Henry J., and J. J. Kovacs, New York, N. Y. Combination pocket tool. 153,988, May 31.
- Snellgrove, Virginia, Fort Worth, Tex. Combined cigarette holder and wrist cap. 153,465, Apr. 19.
- Snodgrass, John A., Prescott, Ark. Fountain pen. 153,643, May 8.
- Snow, William H., Chicago, Ill. Case for fuel consumption gauge. 156,571, Dec. 20.
- Snyder, Ben L., Tucson, Ariz. Store front. 152,835, Feb. 22.
- Snyder, Mahlon C., Hamburg, N. Y. Dolly for transporting airplanes and the like. 153,989, May 31.
- Snyder, Paul L., and C. Miller, Pomona, Calif. Bagging machine. 154,219, June 21.
- Societe a Responsabilite Limitee: Franco Continentale des Parfums, assignee: *See—* Denis, René.
- Societe a Responsabilite Limitee Parfums Christian Dior, assignee: *See—* Heftler-Louiche, Serge.
- Societe d'Appareil de Controle & d'Equipment des Moteurs (S. A. C. E. M.) S. A., assignee: *See—* Mennesson, Marcel.
- Society Bernard Moteurs, S. A., Rueil-Malmaison, assignee: *See—* Bernard, Jacques.
- Society Scintex, assignee: *See—* Husson, Jean.
- Sodini, Paul A., Sacramento, Calif. Holder for toothbrushes. 155,110, Sept. 6.
- Sodini, Paul A., Sacramento, Calif. Toothbrush holder. 155,111, Sept. 6.
- Softis, Nick, St. Louis, Mo. Measuring pitcher. 155,240, Sept. 13.
- Sohn, Ernest: *See—* San Giovanni, Edward, and Sohn.
- Sohn, Ernest, New York, N. Y., and E. San Giovanni; said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y. Combined cigarette and lighter holder. 155,744, Oct. 25.

- Sohn, Monte, New York, N. Y. Toy animal figure or other similar article. 153,990, May 31.
- Solar Light Manufacturing Co., assignee: *See*—Lazerson, Herman M.
- So-Lo Works, Incorporated, assignee: *See*—Marx, Joe J.
- Soloff, Robert, Forest Hills, N. Y., and M. M. Naumoff, Greensburg, Pa., assignors, by mesne assignments, to Keg-o Products Corp., New York, N. Y. Lamp base. 156,050, Nov. 15.
- Solomon, Nathan L., Englewood, N. J. Combination comb and brush cleaner. 152,923, Mar. 1.
- Solomon, Nathan L., Englewood, N. J. Barrette. 153,831, May 17.
- Solomon, Nathan L., Englewood, N. J. Barrette. 153,832, May 17.
- Solomon, Nathan L., Englewood, N. J. Front piece for a hair ornament. 155,846, Nov. 1.
- Solomon, Nathan L., Englewood, N. J. Front piece for a hair ornament. 155,847, Nov. 1.
- Solworth, Mohe H., Louisville, Ky. Carrying kit. 154,436, July 5.
- Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Index slip for dictating machines. 155,936, Nov. 8.
- Sommers, Albert L., and A. Young, Newburgh, N. Y. Bathing suit or similar article. 155,241, Sept. 13.
- Sonberg, Max P., New York, N. Y. Coat. 156,051, Nov. 15.
- Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Bottle cap feeder. 153,991, May 31.
- Sonnett, William J., assignor to Ohio-Kentucky Manufacturing Company, Ada, Ohio. Baseman's mitt. 153,186, Mar. 22.
- Sorenson, Irvin A., assignor to American Gas Machine Company, Albert Lea, Minn. Oil burning space heater. 154,888, Aug. 16.
- Soria & Simon Company, assignee: *See*—Weill, Charles N.
- Sorrentino, Vincent, Providence, R. I., assignor to Uncas Manufacturing Company. Ring or similar article. 154,072, June 7.
- Soscie, Marie A., assignor to Ricino Chemicals, Inc., New York, N. Y. Bottle. 152,924, Mar. 1.
- Soshensky, David, New York, N. Y. Font of type. 154,571, July 19.
- Soubler, Leonard D., Toledo, Ohio. Nut gun. 154,721, Aug. 2.
- Southall, Earl C.: *See*—Schnitzer, Wilbert F., and Southall.
- Souther, Robert E.: *See*—Ironsides, Anthony V., and Souther.
- Spacarb, Inc., assignee: *See*—Parks, Regis E.
- Spang, William F., Milton, Mass. Meat cutting machine. 156,572, Dec. 20.
- Spano, Vincent J., Vallejo, Calif. Medicine cabinet shelf. 154,437, July 5.
- Spano, Vincent J., Vallejo, Calif. Medicine cabinet shelf. 154,438, July 5.
- Spartan Saw Works, Inc., assignee: *See*—McQuillan, Donald S.
- Spatz, Lee: *See*—Innes, James, Cohen, and Spatz.
- Spear, Arthur S., Providence, R. I., assignor to Sperry Mfg. Co. Clasp. 154,073, June 7.
- Spear, Arthur S., Providence, R. I., assignor to Sperry Mfg. Co. Clasp. 154,074, June 7.
- Spear, Arthur S., Providence, R. I., assignor to Sperry Mfg. Co. Clasp. 154,075, June 7.
- Spear, Arthur S., Providence, R. I. Jewelry chain. 154,076, June 7.
- Spear, Arthur S., Providence, R. I. Jewelry chain. 154,077, June 7.
- Spear, Arthur S., Providence, R. I. Jewelry chain. 154,078, June 7.
- Spear Novelty Co., assignee: *See*—Bogoff, Henry.
- Specialties Development Corporation, assignee: *See*—Mapes, Daniel.
- Spector, Anna, Chicago, Ill. Shirt. 153,045, Mar. 8.
- Spector, Anna, Chicago, Ill. Shirt. 153,187, Mar. 22.
- Speed-Meal Corporation, assignee: *See*—Cotter, John.
- Speed-O-Print Corporation, assignee: *See*—Tammen, Glenn W.
- Speldel Corporation, assignee: *See*—Augenstein, Karl C.
- Spencer, Donald, Ironton, Ohio, and M. H. Spencer, Moline, Ill. Grave marker. 153,399, Apr. 12.
- Spencer, Max H.: *See*—Spencer, Donald and M. H.
- Spencer Turbine Company, The, assignee: *See*—Currie, Thomas, and Wilbur V.
- Sperry Mfg. Co., assignee: *See*—Spear, Arthur S.
- Spirit, Milton, New York, N. Y. Antenna. 156,379, Dec. 6.
- Sporman, Robert T., Essex County, assignor to The J. E. Mergott Co., Newark, N. J. Match book case. 152,751, Feb. 15.
- Springer-Miller, Frank, Stowe, Vt., assignor to Salers, Inc., New York, N. Y. Display device. 156,288, Nov. 29.
- Springer, Sam, assignor to 300 Chemical Co., Chicago, Ill. Combination oil cooking and implement heating stove. 155,635, Oct. 18.
- Springwell, Juan, Inverness, assignor to Sears, Roebuck and Co., Chicago, Ill. Bathtub. 156,052, Nov. 15.
- Spyro Toy Company, assignee: *See*—Spyros, Harry A.
- Spyros, Harry A., assignor to Spyro Toy Company, Detroit, Mich. Toy top. 155,045, Aug. 30.
- Squier, Bernice: *See*—Squier, Blanche and B.
- Squier, Blanche and B., Battle Creek, Mich. Doll. 155,937, Nov. 8.
- Stahell, Paul, Montreal, Quebec, Canada. Shoe cleaning device. 154,722, Aug. 2.
- Stahl, Gerald, Rye, N. Y. Cigarette lighter. 156,573, Dec. 20.
- Stahl, Gerald E., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Table lighter. 154,079, June 7.
- Stahl, Harold H., New York, N. Y. Hat. 152,836, Feb. 22.
- Stahl, Harold H., New York, N. Y. Dress. 156,636, Oct. 18.
- Stahl, Harold H., New York, N. Y. Dress ensemble. 155,637, Oct. 18.
- Stahl, Harold H., New York, N. Y. Dress. 156,638, Oct. 18.
- Stahl, Louis, New York, N. Y. Holder for napkins, tissues, and the like. 156,380, Dec. 6.
- Stammmer, John F., New Haven, Conn., assignor to American Machine & Foundry Company. Baking oven or similar article. 153,992, May 31.
- Stamper, Willson L., Newark, and L. Z. La Forest, Parsippany-Troy Hills Township, Morris County, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Lamp casing or similar article. 155,459, Oct. 4.
- Stanat Tool and Machine Company: *See*—Everett, Milton C.
- Standard Cap and Seal Corporation, assignee: *See*—Reimers, Theodor M.
- Standard Steel Works, assignee: *See*—Branham, Theodore G.
- Staniszewski, Walter P.: *See*—Wetherill, Frederick A., and Staniszewski.
- Stanley, Chester D., Akron, Ohio. Iron holder. 153,993, May 31.
- Stanley Home Products, Inc., assignee: *See*—Bressler, Louis R.
- Stanley, James, Jr.: *See*—Stanley, James Sr., and J., Jr.
- Stanley, James, Sr., and J., Jr., New York, N. Y. Clothespin. 153,644, May 3.
- Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Rotary winged aircraft. 153,324, Apr. 5.
- Stapler, David, Philadelphia, Pa. Textile fabric. 154,344, June 28.
- Star Headlight & Lantern Co., Inc., assignee: *See*—Jacobs, Berwin W.
- Sta-Rite Products, Incorporated, assignee: *See*—Patterson, Glenn A.
- Stark, Joseph A., Union Lake, Mich. Rear light for automobiles. 155,112, Sept. 6.
- Starkweather, James R., Rochester, N. Y. Combined flower pot and receptacle therefor. 156,177, Nov. 22.
- State Welding Works, Inc., assignee: *See*—Birnbaum, Harry, and Phillips, Harry.
- Staudt, James R., and R. E. Goddard, Fort Worth, Tex., said Staudt assignor to said Goddard. Chair. 152,837, Feb. 22.
- Staudt, James R., and R. E. Goddard, Fort Worth, Tex., said Staudt assignor to said Goddard. Reclining chair. 153,735, May 10.
- Stec, Dmytro, Dearborn, Mich. Writing secretary. 152,925, Mar. 1.
- Steck, Jessica S., Newtown, Conn. Handbag or similar article. 154,816, Aug. 9.
- Steeds, Thomas A., Cleveland Heights, and R. C. Prall, University Heights, Ohio; said Prall assignor to said Steeds. Coaster. 154,220, June 21.
- Steelman, James S., Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Bottle or similar article. 152,926, Mar. 1.
- Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple. 152,502, Jan. 25.
- Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle front. 153,240, Mar. 29.
- Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple. 154,221, June 21.
- Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Semirimless spectacle. 156,289, Nov. 29.
- Stegmaier, Hermann, Brooklyn, N. Y. Brooch or similar article. 153,564, Apr. 26.
- Steigel, Mike, Rapides Parish, near Alexandria, La. Vehicle signal casing. 152,663, Feb. 8.

- Stein, Irving, Brooklyn, N. Y. Bracelet or similar article. 153,400, Apr. 12.
- Stein, Paul: *See*—
Keller, Nathan B., and Stein.
- Steinbach, Harry, New York, N. Y. Necklace or like article. 152,752, Feb. 15.
- Steinberg, Harry, New York, N. Y. Handkerchief package wrapper. 156,574, Dec. 20.
- Steinke, Carl J., Chicago, Ill., assignor to Zenith Radio Corporation. Television receiver. 154,817, Aug. 9.
- Stelzer, Harry, New York, N. Y. Adjustable belt. 152,503, Jan. 25.
- Stensgaard, W. L., Park Ridge, Ill., assignor to Goodall-Sanford, Inc. Display table for yard goods. 155,366, Sept. 27.
- Stensgaard, W. L., and Associates, Inc., assignee: *See*—
Stensgaard, William L.
- Stensgaard, William L., Park Ridge, Ill., assignor to Goodall-Sanford Inc. Display device for yard goods. 153,188, Mar. 22.
- Stensgaard, William L., Park Ridge, Ill., assignor to Goodall-Sanford, Inc. Display device for yard goods. 153,241, Mar. 29.
- Stensgaard, William L., Park Ridge, Ill., assignor to Goodall-Sanford, Inc. Cutting table for yard goods. 153,242, Mar. 29.
- Stensgaard, William L., Park Ridge, Ill., assignor to W. L. Stensgaard and Associates, Inc. Revolving sign. 154,723, Aug. 2.
- Stephen, Alexander F., Des Plaines, assignor to American Molded Products Co., Chicago, Ill. Beam compass. 152,838, Feb. 22.
- Stephenson Corporation, assignee: *See*—
Goodner, Monroe H.
- Sterling Plastics Company, assignee: *See*—
Fleming, Jack F.
- Sterling Tool Products Company, assignee: *See*—
Crosby, Stephen A., and Seeger.
- Stern, Herman, New York, N. Y. Braid. 154,645, July 26.
- Stern, Kurt, assignor to Mars Tool Company, Chicago, Ill. Zipper repair tool. 152,927, Mar. 1.
- Stern, Kurt, Chicago, Ill. Slide fastener repair tool. 153,736, May 10.
- Stern, Paul: *See*—
Gross, Jack, and Stern.
- Stern, Tobias, Scarsdale, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Watch band or similar article. 154,889, Aug. 16.
- Stern Made Dress Co., assignee: *See*—
Hawthorne, Joan.
- Stettner, Max, Los Angeles, Calif. Combined crib and drawer chest. 156,678, Dec. 27.
- Stevens, Clifford B., Milwaukee, Wis., assignor to Omar Incorporated, Omaha, Nebr. Panel type delivery truck. 153,466, Apr. 19.
- Stevens, Clifford B., Milwaukee, Wis. Automobile. 154,080, June 7.
- Stevens, Clifford B., Milwaukee, assignor to S. C. Johnson & Son, Inc., Racine, Wis. Floor polisher. 155,242, Sept. 13.
- Stevens, Clifford B., Milwaukee, assignor to National Pressure Cooker Company, Eau Claire, Wis. Electric steam iron or the like. 155,639, Oct. 13.
- Stevens, Clifford B., Milwaukee, Wis., assignor to The Cleveland Welding Company. Bicycle. 155,745, Oct. 25.
- Stevens, Clifford B., Milwaukee, Wis., assignor to The Cleveland Welding Company. Bicycle. 155,746, Oct. 25.
- Stevens, Clifford B., Milwaukee, Wis., assignor to The Cleveland Welding Company. Bicycle. 155,747, Oct. 25.
- Stevens, Clifford B., Milwaukee, Wis., assignor to Globe Corporation, Chicago, Ill. Motor scooter. 156,178, Nov. 22.
- Stevenson, Ralph W., assignor, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich. Bottle carrying case. 156,179, Nov. 22.
- Stevenson, Ralph W., assignor, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich. Bottle carrying case. 156,180, Nov. 22.
- Steward Engineering Corporation, assignee: *See*—
Olson, Harry W., and Olsen.
- Stewart, Henry A., assignor to Duro Pattern and Mold Company, Highland Park, Mich. Toy bank. 153,189, Mar. 22.
- Stewart-Warner Corporation, assignee: *See*—
Peterson, David C.
- Stickless Corporation, assignee: *See*—
Frankl, Ernest.
- Stier, Joseph B., New York, N. Y. Ash tray. 152,379, Jan. 11.
- Stier, Joseph B., New York, N. Y. Ash tray. 152,439, Jan. 18.
- Stier, Joseph B., New York, N. Y. Ash tray. 152,440, Jan. 18.
- Stier, Joseph B., New York, N. Y. Tray. 156,290, Nov. 29.
- Stiles, Harry L., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric fruit juicer. 153,645, May 3.
- Stiles, Harry L., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Whipper. 156,679, Dec. 27.
- Stitt, James W., Berkeley, assignor to C. H. Ristenpart, San Francisco, Calif. Desk. 156,680, Dec. 27.
- Stockdale, David D., Ravenna, Ohio. Wall plaque. 153,834, May 17.
- Stolitzka, Alexander F., Summit, Ohio. Heater for food products. 153,908, May 24.
- Stoll, Harry, New York, N. Y. Collapsible utility cart or the like. 155,640, Oct. 18.
- Stone, Joe A., assignor of one-half to M. A. Stone, Chicago, Ill. Metal anode. 152,753, Feb. 15.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 152,839, Feb. 22.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 152,840, Feb. 22.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 153,646, May 3.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Television cabinet. 155,848, Nov. 1.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Television cabinet. 156,575, Dec. 20.
- Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Television cabinet. 156,576, Dec. 20.
- Stone, Millard A., assignee: *See*—
Stone, Joe A., and M. A.
- Stone, Philip G., New York, N. Y. Electrical junction box or similar article. 156,681, Dec. 27.
- Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Handle. 155,549, Oct. 11.
- Stop-Fire Inc., assignee: *See*—
Nurkiewicz, Ignatius.
- Storch, Max H., Belle Harbor, N. Y. Handle for a mirror or like article. 156,381, Dec. 6.
- Storch, Max H., Belle Harbor, N. Y. Handle for a mirror or like article. 156,382, Dec. 6.
- Storch, Max H., Belle Harbor, N. Y. Handle for a mirror or like article. 156,383, Dec. 6.
- Storch, Max H., Belle Harbor, N. Y. Handle for a mirror or like article. 156,384, Dec. 6.
- Storey, Marjorie E., Cambridge, England. Infant's teething device. 153,325, Apr. 5.
- Storm, Frederick K., Jr.: *See*—
Smiley, Eldridge H., and Storm, Jr.
- Storm, Frederick K., Jr., assignor to Perry Kilsby, Inc., Los Angeles, Calif. Dishwasher. 154,081, June 7.
- Storm, Frederick K., Jr., assignor to Filtek Corporation, Los Angeles, Calif. Vacuum cleaner. 155,550, Oct. 11.
- Storm, Frederick K., Jr., Los Angeles, and E. H. Daniels, Pasadena, assignors to Haldon Manufacturing Co., Incorporated, Los Angeles, Calif. Envelope sealer. 155,641, Oct. 18.
- Stortz, Robert K., Delavan, assignor to Passing Eye, Inc., Kenosha, Wis. Forward view automobile mirror. 154,961, Aug. 23.
- Stortz, Robert K., Delavan, assignor to Passing Eye, Inc., Kenosha, Wis. Automobile mirror. 155,551, Oct. 11.
- Strack, Edward, Bloomfield, N. J. Rocker for children. 154,517, July 12.
- Strandhagen, Harry I., Fort Lauderdale, Fla. Bib or similar article. 155,642, Oct. 18.
- Stranz, Clarence G., assignor to Hamilton Products, Inc., Paterson, N. J. Camera back or similar article. 152,380, Jan. 11.
- Strange, Charles H., White Plains, N. Y. Combined cigarette box, ash tray, and match holder. 156,577, Dec. 20.
- Strassner, John F., New York, N. Y. Coat. 152,298, Jan. 4.
- Strassner, John F., New York, N. Y. Jacket. 152,299, Jan. 4.
- Strassner, John F., New York, N. Y. Coat. 152,300, Jan. 4.
- Strassner, John F., New York, N. Y. Jacket. 152,301, Jan. 4.
- Strassner, John F., New York, N. Y. Dress. 153,467, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,468, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,469, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,470, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,471, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,472, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,473, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,474, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,475, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,476, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,477, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,478, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,479, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,480, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,481, Apr. 19.
- Strassner, John F., New York, N. Y. Dress. 153,482, Apr. 19.

- Strassner, John F., New York, N. Y. Dress. 153,994, May 31.
- Strassner, John F., New York, N. Y. Jacket. 155,552, Oct. 11.
- Strassner, John F., New York, N. Y. Jacket. 155,553, Oct. 11.
- Strassner, John F., New York, N. Y. Coat. 155,554, Oct. 11.
- Strassner, John F., New York, N. Y. Coat. 155,555, Oct. 11.
- Strassner, John F., New York, N. Y. Jacket. 155,556, Oct. 11.
- Strassner, John F., New York, N. Y. Jacket. 155,557, Oct. 11.
- Strassner, John F., New York, N. Y. Dress. 155,643, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,644, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,645, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,646, Oct. 18.
- Strassner, John F., New York, N. Y. Dress ensemble. 155,647, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,648, Oct. 18.
- Strassner, John F., New York, N. Y. Dress ensemble. 155,649, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,650, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,651, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,652, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,653, Oct. 18.
- Strassner, John F., New York, N. Y. Dress. 155,938, Nov. 8.
- Strassner, John F., New York, N. Y. Dress. 156,181, Nov. 22.
- Strassner, John F., New York, N. Y. Dress ensemble. 156,385, Dec. 6.
- Stratford Pen Corporation, assignee: *See*—
Green, Warren, and Schladermundt.
Metzler, Charles L.
- Strauss, Edward E., Highland Park, assignor to Bell & Howell Company, Chicago, Ill. Housing for a microfilm reader or the like. 154,818, Aug. 9.
- Strazza, Frank, Greenwich, Conn. Golf club grip finder. 156,578, Dec. 20.
- Strecker, Herman A.: *See*—
Kimball, Charles N., Lewis, and Strecker.
- Streesover, Moses, assignee: *See*—
Silberman, Morris.
- Strickland, Bernice A., Chandler, Ariz. Figurine. 156,182, Nov. 22.
- Stringfellow, Marguerite, and N. R. Lynn, Tampa, Fla. Support for clothing or the like. 155,367, Sept. 27.
- Struhl, Archie A., East Orange, N. J. Display stand or similar article. 153,046, Mar. 8.
- Stuart Inc., assignee: *See*—
Fine, Alex.
- Studebaker Corporation, The, assignee: *See*—
Exner, Virgil M.
- Stuman, Jack B., Rockford, Ill. Oven control dial. 152,928, Mar. 1.
- Subasky, Albert J.: *See*—
Ebel, William K., Subasky, and van Zelm.
- Sullivan, Francis G., Salem, Mass. Belt. 156,579, Dec. 20.
- Suman, Alwin L., Sierra Madre, Calif. Ceramic vase or similar article. 153,091, Mar. 15.
- Summers, Clarence L., assignor to Prism Plastics, Inc., Kansas City, Kans. Animated display rack. 156,682, Dec. 27.
- Summon, Shirley, Brooklyn, assignor to National Silver Company, New York, N. Y. Salt shaker or similar article. 155,046, Aug. 30.
- Sunbeam Corporation, assignee: *See*—
Jepson, Ivar.
- Widdfield, Albert E., and Jepson.
- Sundberg, Carl W.: *See*—
Ferar, Montgomery, and Sundberg.
- Sundberg, Carl W., Detroit, Mich., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Casing for an electric heater. 155,243, Sept. 13.
- Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill. Heater casing. 152,929, Mar. 1.
- Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill. Drawer pull. 153,835, May 17.
- Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill. Kitchen sink. 155,368, Sept. 27.
- Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Sears, Roebuck & Co., Chicago, Ill. Kitchen cabinet. 155,558, Oct. 11.
- Sundell, Carl A., Muskegon, Mich., assignor to The Brunswick-Balke-Clender Company, Chicago, Ill. Combination chalk holder and ash tray or the like. 156,053, Nov. 15.
- Sundheim, Harry G., Jr., Cook County, Ill., assignor to The Glolite Corporation. Illuminable Christmas decoration. 155,460, Oct. 4.
- Surkin, Jerry M., and M. E. Herpe, Chicago, Ill. Miniature log cabin ash receptacle. 154,439, July 5.
- Svabek, John E., Jr.: *See*—
Preisinger, Carl M., and Svabek.
- Swain, Joseph G., assignor to Wingfoot Corporation, Akron, Ohio. Wheel. 156,291, Nov. 29.
- Swain, Nelson, Company, assignee: *See*—
Miles, John R.
- Swallow, Kingston F., Milwaukee, Wis. Pliers. 152,754, Feb. 15.
- Swank, Inc., assignee: *See*—
Howard, Viola T.
Le Vaggi, Gloria.
- Swanson, Carl E., Chicago, Ill. Fluorescent lamp or similar article. 153,326, Apr. 5.
- Swanson, Oscar L., assignor to Swanson Tool & Machine Products, Inc., Erie, Pa. Electric space heater. 153,243, Mar. 29.
- Swanson Tool & Machine Products, Inc., assignee: *See*—
Swanson, Oscar L.
- Swartwout Company, The, assignee: *See*—
Johnson, Jay P.
- Swartzbaugh Manufacturing Company, The, assignee: *See*—
Allgeyer, Guy H.
Sundberg, Carl W.
- Swibold, Duane, Interlochen, Mich. Radio cabinet. 156,580, Dec. 20.
- Swibold, Duane, Royal Oak, Mich. Picture frame. 153,401, Apr. 12.
- Sylvania Electric Products Inc., assignee: *See*—
Gates, Paul E.
Kromhout, Johan C.
Nitardy, Carl.
O'Rourke, Charles.
Russell, Donald F.
- Sylvia, Josephine F., New Bedford, Mass. Notion display case. 155,461, Oct. 4.
- Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Crib toy or the like. 153,647, May 3.
- Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Airplane hobbyhorse. 155,748, Oct. 25.
- Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Doll cart. 155,749, Oct. 25.
- Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Pull toy. 155,939, Nov. 8.
- Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Crib toy. 155,940, Nov. 8.
- Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Crib toy. 156,054, Nov. 15.
- Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Hobbyhorse. 156,292, Nov. 29.
- Taber, Albert A., Sr., Los Angeles, Calif. Lamp. 156,386, Dec. 6.
- Taccia, Fred B., assignor to Colt-Cromwell Company, Inc., Boston, Mass. Lady's handbag. 154,572, July 19.
- Taggart, Edward J.: *See*—
Chaney, Robert L.
- Talbot, Curtis O.: *See*—
Heck, John T., Du Mais, and Talbot.
- Talge, Foster L.: *See*—
Travis, Albert M.
- Talge, Henry J.: *See*—
Travis, Albert M.
- Tamac, Inc., assignee: *See*—
Macaulay, Allen T.
- Tammen, Glenn W., Park Ridge, assignor to Speed-O-Print Corporation, Chicago, Ill. Check protector machine. 156,055, Nov. 15.
- Tamor Plastics Corp., assignee: *See*—
Morroni, Peter J.
- Tankersley, Tyree V., Wichita, Kans. Outdoor trash burner. 153,565, Apr. 26.
- Tanner, Edward E., Jr., Chicago, Ill. Feet equipped outer garment. 154,222, June 21.
- Tanzer, Eugen, New York, N. Y. Scarf or similar article. 152,381, Jan. 11.
- Tappan Stove Company, The, assignee: *See*—
Bauer, William.
- Tardiff, Alma A., Detroit, Mich. Hair curl pin. 153,402, Apr. 12.
- Targ-Aire Pistol Co., assignee: *See*—
Winslow, William B.
- Tasco Corporation, The, assignee: *See*—
Buehrig, Gordon M.
- Taubert, George, Mount Vernon, N. Y., assignor to Dixie Cup Company, Easton, Pa. Paper cup dispenser. 154,819, Aug. 9.
- Taubert, Gothart E., Pittsfield, Mass. Drawing table. 154,440, July 5.
- Tawresey, Virginia B., Philadelphia, Pa. Candle holder. 152,382, Jan. 11.
- Taylor, Alfred E., and J. D. Coleman, Detroit, Mich.; said Coleman assignor to said Taylor. Food tongs. 153,327, Apr. 5.
- Taylor, Carl C.: *See*—
Taylor, James Y., and C. C.
- Taylor, Clarence G., Alliance, Ohio. Washing machine. 152,930, Mar. 1.
- Taylor, Clarence G., Alliance, Ohio. Combined washing machine and wringer. 152,931, Mar. 1.

- Taylor, Glenn, Cincinnati, Ohio, assignor to AVCO Manufacturing Corporation. Combined dispensing and display device. 154,724, Aug. 2.
- Taylor Instrument Companies, assignee: *See*—
Brown, H. Brainard.
Hodgman, Clare E.
- Taylor, J. Y., Company, assignee: *See*—
Taylor, James Y. and C. C.
- Taylor, Jack W.: *See*—
Young, Leonard W., and Taylor.
- Taylor, James Y. and C. C., assignors to J. Y. Taylor Company, Garland, Tex. Projection apparatus. 152,504, Jan. 25.
- Taylor, Joseph, Youngstown, Ohio. Coin container. 155,750, Oct. 25.
- Taylor, Raymond B., assignee: *See*—
Forner, Peter C.
- Taylor, Samuel H., Jr., Merchantville, assignor to Park-In Theatres Company, Camden, N. J. Screen building for an outdoor theatre. 153,648, May 3.
- Teague, James, Chicago, Ill., assignor to Modine Manufacturing Company, Racine, Wis. Unit heater casing. 152,302, Jan. 4.
- Teague, Walter D., Annandale, assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recorder. 152,303, Jan. 4.
- Teague, Walter D., Annadale, N. J., assignor to The Linde Air Products Company. Fluid pressure regulator. 153,244, Mar. 29.
- Teale Machine Company, assignee: *See*—
Gaudriot, Henri L.
- Tedeschi, Moreno, Brooklyn, assignor to Benziger Brothers, Inc., New York, N. Y. Tabernacle safe. 155,941, Nov. 8.
- Tedeschi, Moreno, Brooklyn, assignor to Benziger Brothers, Inc., New York, N. Y. Tabernacle safe. 155,942, Nov. 8.
- Tedeschi, Moreno, Brooklyn, assignor to Benziger Brothers, Inc., New York, N. Y. Tabernacle safe. 155,943, Nov. 8.
- Tegarty, John B., Buffalo, N. Y. Plastic clothespin. 153,047, Mar. 8.
- Tegarty, John B., Mentor, Ohio. Plastic clothespin. 153,048, Mar. 8.
- Tegarty, John B., Mentor, Ohio. Plastic clothespin. 153,049, Mar. 8.
- Teitelbaum, David, New York, assignor to Lasting Shoe Co. Inc., Brooklyn, N. Y. Shoe. 152,755, Feb. 15.
- Tesch, George D., Chicago, Ill. Building structure. 156,683, Dec. 27.
- Testrite Instrument Company, Inc., assignee: *See*—
Neuwirth, Herman.
- Tharler, Seymour, Leominster, Mass., assignor to Zadek-Feldstein Co., Inc., New York, N. Y. Blanket clip and holder. 155,654, Oct. 18.
- Tharler, Seymour, Leominster, Mass., assignor to Zadek-Feldstein Co., Inc., New York, N. Y. Cradle toy or similar article. 156,293, Nov. 29.
- Theoresen, George A., Providence, R. I., assignors to The Robbins Company, Attleboro, Mass. Belt buckle or similar article. 153,836, May 17.
- Thermador Electrical Manufacturing Company, assignee: *See*—
Pence, Frederick M.
- Thermet Fire Extinguishers, Inc., assignee: *See*—
Raskob, Robert P., and Haley.
- Thomas, Harry L., assignor to The Hagerstown Leather Co., Hagerstown, Md. Billfold or similar article. 152,756, Feb. 15.
- Thomas, Mitchell W., Chicago, Ill. Electric frankfurter cooker. 156,467, Dec. 13.
- Thomas, Nick, Akron, Ohio. Game board. 153,995, May 31.
- Thompson, Arnold M. and M. D., Chicago, Ill. Scale. 155,944, Nov. 8.
- Thompson, Charles H., St. Petersburg, Fla. Pigtail electric connector. 156,183, Nov. 22.
- Thompson, Elmer H., Longmeadow, Mass. Coffee maker. 155,244, Sept. 13.
- Thompson, Frank W., New Haven, and R. M. Davies, West Haven, Conn., assignors to Kenmildon Inc. Electric air heater. 152,841, Feb. 22.
- Thompson, John, assignor to A. P. W. Products Company, Inc., Albany, N. Y. Towel, napkin holder, or the like. 153,092, Mar. 15.
- Thompson, Josephus, Covington, assignor of one-third to Grossman Music Company, Cleveland, Ohio. Toy musical instrument. 154,725, Aug. 2.
- Thompson, Melvin D.: *See*—
Thompson, Arnold M. and M. D.
- Thompson, Samuel A., assignor to Simplex Typewriter Company, Inc., New York, N. Y. Typewriter. 154,345, June 28.
- Thompson, Virginia C., Arlington County, Va. Enema tray. 154,346, June 28.
- Thomson Machine Company, assignee: *See*—
Boston, John A.
- Thomssen, Amy L., Toledo, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Tub filler with transfer unit for diverting water to shower. 152,441, Jan. 18.
- Thomssen, Amy L., Toledo, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Center set lavatory faucet with pop-up drain control. 152,442, Jan. 18.
- Thornton, Vivian J.: *See*—
Rubenstein, Russell L. and Thornton.
- Thrallkill, Orville W., assignor to A. R. Greer, Wellington, Kans. Automobile door sun shade. 153,190, Mar. 22.
- Thrallkill, Orville W., Wellington, Kans. Merchandise container or the like. 154,082, June 7.
- Three Dimension Company, assignee: *See*—
Lewis, George K.
- 300 Chemical Co., assignee: *See*—
Springer, Sam.
- Thuernau, Henry A., Clayton, assignor to Globe-Democrat Publishing Co., St. Louis, Mo. Illuminable outdoor advertising display. 152,304, Jan. 4.
- Thuernau, Henry A., Clayton, assignor to Globe-Democrat Publishing Co., St. Louis, Mo. Outdoor advertising bulletin board. 152,305, Jan. 4.
- Tiffany & Company, assignee: *See*—
Barney, Arthur L.
- Tillmann, Richard O., Merrick, assignor to American Can Company, New York, N. Y. Cosmetic box or the like. 155,559, Oct. 11.
- Timberlake, Fred W., Lubbock, Tex. Table lamp. 153,328, Apr. 5.
- Timme, E. F., & Son, assignee: *See*—
Biva, Lucien.
- Toaster Corporation of America, assignee: *See*—
Epstein, Charles I.
- Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 156,581, Dec. 20.
- Toce, Charles A.: *See*—
Broussard, Robert F., and Toce.
- Todd, Edward F., Highland Park, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Merchandise display rack. 154,223, June 21.
- Toland, John W., Clearwater, Fla. Glass holder. 155,560, Oct. 11.
- Toledo Scale Company, assignee: *See*—
Little, John M.
- Tomarin, Harry A., Cincinnati, Ohio. Rocking or floating toy. 154,441, July 5.
- Tomarin, Harry A., Cincinnati, Ohio. Spinning toy. 156,582, Dec. 20.
- Tomlinson of High Point, assignee: *See*—
Lubberts, John J., and Mulder.
Neville, Rey W.
- Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,505, Jan. 25.
- Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,506, Jan. 25.
- Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,507, Jan. 25.
- Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 155,751, Oct. 25.
- Toomey, Edith G., assignee: *See*—
Toomey, Francis J.
- Toomey, Francis J., assignor to E. G. Toomey, Huntsville, Ohio. Taxicab cruising light. 152,757, Feb. 15.
- Toomey, Jeremiah F.: *See*—
Geran, George P., and Toomey.
- Torsion Balance Company, The, assignee: *See*—
Otto, Carl L.
- Towne, Carlton G.: *See*—
Guild, Lurelle, and Towne.
- Towne, Frederick T., assignor to Service Sales Company, Inc., Dallas, Tex. Vehicle wheel spinner. 154,442, July 5.
- Tracy, Mearl V., Pasadena, Calif. Radial saw support. 154,347, June 28.
- Trad, Victor, Deal, N. J. Overhead television receiving screen. 155,462, Oct. 4.
- Trad, Victor, Deal, N. J. Combined television cabinet, speaker, screen, and projector. 155,849, Nov. 1.
- Trank, Leonard, Los Angeles, Calif. Cabinet for radio phonograph combinations. 153,483, Apr. 19.
- Traub Manufacturing Company, assignee: *See*—
Lesch, Charles W.
- Trautner, Wagn, Syracuse, N. Y. Automobile lamp. 154,083, June 7.
- Trautner, Wagn, Syracuse, N. Y. Automobile lamp. 154,084, June 7.
- Travis, Albert M., Kansas City, Kans., assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Floating soap carrier. 154,646, July 26.
- Travis, Pierce M., Ridgewood, and M. K. Tudor, Clifton, N. J. Homogenizer or similar article. 155,047, Aug. 30.
- Trebules, Victor, assignor to The Gabriel Company, Cleveland, Ohio. Television antenna. 155,113, Sept. 6.
- Treiman, Morris: *See*—
Crane, Walton B., and Treiman.
- Treiss, Herman G., Brooklyn, assignor to R. P. Foose, New York, N. Y. Display container or similar article. 153,996, May 31.
- Trent, Charles R., assignor of one-half to C. W. Trent, Conway, Ark. Awning. 153,997, May 31.
- Trent, Charles W., assignee: *See*—
Trent, Charles R.
- Tresner, Elwood F., Anacortes, Wash. Radio cabinet. 156,583, Dec. 20.
- Triangle Studios, assignee: *See*—
De Marsa, Valeria.
- Tricarico, Joseph, New York, N. Y. Textile fabric or similar article. 153,998, May 31.
- Trifari, Krussman & Fishel, Inc., assignee: *See*—
Phillippe, Alfred.
- Trigère, Robert, New York, N. Y. Coat or the like. 152,508, Jan. 25.
- Trigère, Robert, New York, N. Y. Dress. 153,649, May 3.

- Trimfoot Company, assignee: *See*—
Reinhart, John B., Jr., and Ruebel.
- Tropical Trading Company, Incorporated, assignee: *See*—
Courshon, Gilbert.
- Trotter, John C., Niagara Falls, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Vehicle. 156,387, Dec. 6.
- Trow, Richard A., assignor to Queen Stoves Works, Inc., Albert Lea, Minn. Combination air blower for room heating and cooling. 156,294, Nov. 29.
- Trowbridge, Charles A., Roxborough, assignor to Ontario Research Corporation, Philadelphia, Pa. Extension for automobile engine exhaust pipes. 154,443, July 5.
- Troy, Ellen, New York, N. Y. Jeweled lady's stocking or the like. 155,463, Oct. 4.
- Trumbull Electric Manufacturing Company, The, assignee: *See*—
Patten, Ray, and Bec Var.
Waggoner, William G.
- Trump, Frederick O.: *See*—
Coffman, Joe W., and Trump.
- Tschirley, Norman K., Los Angeles, Calif. Ash tray. 152,664, Feb. 8.
- Tucker Corporation, assignee: *See*—
Tucker, Preston T.
- Tucker, Preston T., Ypsilanti, Mich., assignor to Tucker Corporation, Chicago, Ill. Automobile. 154,192, June 14.
- Tudor, Michael K.: *See*—
Travis, Pierce M., and Tudor.
- Tungett, George: *See*—
Browneye, Martin, Helms, and Tungett.
Helms, Laurence C. and T. R., and Tungett.
- Tupper, Earl S., Upton, Mass. Pitcher. 154,348, June 28.
- Turk, Richard H., Chicago, Ill. Insect electrocuting trap. 154,518, July 12.
- Turner, Lawrence M., North Abington, Mass. Holder for paper sundae dish. 152,574, Feb. 1.
- Turner, Lawrence M., North Abington, Mass. Holder for paper cups. 153,403, Apr. 12.
- Turner, Lawrence M., North Abington, Mass. Holder for paper cups. 153,404, Apr. 12.
- Turner, Lawrence M., North Abington, Mass. Holder for paper cups. 153,405, Apr. 12.
- Turner, Lawson E., assignor to Diecha Industries, Owosso, Mich. Electric circulating heater. 152,306, Jan. 4.
- Turner Manufacturing Company, assignee: *See*—
Dailey, James R.
- Turpin, Annette T., Los Angeles, Calif. Picture birthday memo book. 152,575, Feb. 1.
- Turulius, John W., Gary, Ind. Ash tray. 155,048, Aug. 30.
- pany, Rochester, N. Y. Gear checking machine. 154,821, Aug. 9.
- Tuttle, William R., and William J. Beldue, Rochester, assignors to The Kurlash Company, Inc., New York, N. Y. Eyelash curler container. 156,295, Nov. 29.
- Twarkowski, Stanley, Detroit, Mich. Walking toy. 154,820, Aug. 9.
- Tweet, Oren C., Astoria, Oreg. Combined ash tray and saucer. 154,224, June 21.
- Tylon, Samuel, Cleveland, Ohio. Ring display box. 155,945, Nov. 8.
- Tylon, Samuel, Cleveland, Ohio. Jewelry box. 156,584, Dec. 20.
- Tyre, Joseph K., Lebanon, Ind. Table lamp. 155,049, Aug. 30.
- Ullman, Herbert G., Rochester, N. Y. Electric fan. 152,758, Feb. 15.
- Ulmer, Theodore, assignor to Mars Engineering & Mfg. Co., Burbank, Calif. Food warmer. 156,184, Nov. 22.
- Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Candlestick or the like. 153,650, May 3.
- Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Powder puff container or the like. 153,999, May 31.
- Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 155,464, Oct. 4.
- Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Napkin holder or the like. 155,655, Oct. 18.
- Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Napkin holder or the like. 155,656, Oct. 18.
- Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Condiment shaker. 155,657, Oct. 18.
- Ulvad, Bernard, assignor to Foster Grant Co., Inc., Leominster, Mass. Jewelry box or the like. 155,946, Nov. 8.
- Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Utility box. 156,468, Dec. 13.
- Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
Sorrentino, Vincent.
- Valkanoras, Anthony, Jr.: *See*—
Shewitz, Newson, Sloane, and Valkanoras.
- Union Oil Company of California, assignee: *See*—
Cooper, Harold G.
- United Aircraft Corporation, assignee: *See*—
Alex, Ralph P.
Gluhareff, Michael E.
- United Industrial Syndicate, Inc., assignee: *See*—
Lebensfeld, Harry.
- United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Levy, Abraham.
- United States Envelope Company, assignee: *See*—
Chase, Gordon A.
- U. S. Lite-Ray Company, assignee: *See*—
Shafer, John D., and G. B.
- U. S. Manufacturing Corporation, assignee: *See*—
Hobbs, Charles B.
- United States Rubber Company, assignee: *See*—
Arbib, Richard H.
Balmer, James G., Jr.
- U. S. Slicing Machine Company, assignee: *See*—
Klingens, Cornelius, and Foster.
- U. S. Thermo Control Company, assignee: *See*—
Rasmussen, Leonard E.
- United States Vending Corporation: *See*—
Roberts, Henry T.
- Upson, Marguerite T., Tucson, Ariz. Display figure. 154,000, May 31.
- Uribe, Sarah, Los Angeles, Calif. Sewing thimble. 155,658, Oct. 18.
- Vacuum Can Company, assignee: *See*—
Smith, Burton O.
- Vaisey, Harold C., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Chain tie clip. 152,307, Jan. 4.
- Vaisey, Harold C., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Extension tie holder. 155,050, Aug. 30.
- Vaisey, Harold C., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Extension tie holder. 155,051, Aug. 30.
- Valley Upholstery Corp., assignee: *See*—
Schladermundt, Peter, and Metzler.
- Van Cleef & Arpels, Inc., assignee: *See*—
Duvalet, Maurice.
- Van Cleef, Felix, Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Display stand. 154,350, June 28.
- Van Compernelle, Adolph A., Kansas City, Mo. Game board. 155,659, Oct. 18.
- Vander Kuy, Cornelius, Holland, Mich. Paper knife. 156,056, Nov. 15.
- Vander Kuy, Cornelius, Holland, Mich. Paper knife. 156,057, Nov. 15.
- Vander Kuy, Cornelius, Holland, Mich. Paper knife. 156,058, Nov. 15.
- Van Doren, Harold: *See*—
Niesemann, Fritz, and Van Doren.
- Van Doren, Harold, Ardmore, and L. J. Amore, assignors to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet. 154,962, Aug. 23.
- Van Doren, Harold, Ardmore, and L. J. Amore, assignors to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet. 154,963, Aug. 23.
- Van Doren, Harold, Ardmore, and R. A. May, Wynnewood, assignors to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet. 154,964, Aug. 23.
- Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Scale. 153,566, Apr. 26.
- Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 154,726, Aug. 2.
- Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Gear checking machine. 154,821, Aug. 9.
- Van Dyck, Kenneth A., assignor to Eastman Kodak Company, Rochester, N. Y. Gear checking machine. 156,388, Dec. 6.
- Van Dyk, Katharine G., Scarsdale, N. Y. Dental supply kit. 156,296, Nov. 29.
- Van Gestel, Henry A., Brookline, Mass., assignor to General Foods Corporation, New York, N. Y. Confectionery package. 155,850, Nov. 1.
- Van Seiver, Earl T., assignee: *See*—
Van Seiver, Edwin P.
- Van Seiver, Edwin P., Philadelphia, assignor of one-third to E. T. Van Seiver, Glenside, and one-third to W. J. Van Seiver, Wynnewood, Pa. Aquatic toy. 155,947, Nov. 8.
- Van Seiver, Wesley J., assignee: *See*—
Van Seiver, Edwin P.
- Van Zelm, William D.: *See*—
Ebel, William K., Subasky, and van Zelm.
- Varney, Herbert H., Red Wing, Minn. Mixing bowl. 154,225, June 21.
- Vassaluzzo, Dominic: *See*—
Esposito, Salvatore, and Vassaluzzo.
- Vassos, John, (Camstock Hill) Norwalk, Conn., assignor to Mills Industries, Incorporated, Chicago, Ill. Cabinet for beverage vending machine. 154,444, July 5.
- Vaughan, Julius H., Russellville, Ala. Wall fixture. 156,389, Dec. 6.
- Vaughan Novelty Mfg. Co., assignee: *See*—
La Forte, Michael J.
- Vavrik, Louis: *See*—
Dolan, Francis D., and Vavrik.
- Vavrik, Louis, Rossford, Ohio, assignor to The Kalamazoo Sled Company, Kalamazoo, Mich. Sled. 153,567, Apr. 26.

- Vecchio, Luigi, Syracuse, N. Y. Combined fence and gate. 155,245, Sept. 13.
- Vecchio, Luigi, Syracuse, N. Y. Combined fence and gate. 155,465, Oct. 4.
- Vendo Company, The, assignee: *See*—
Hansen, George H., Jr.
Johnson, Elmer C., and Hagstrom.
- Verch, William L., Yonkers, N. Y. Liquid cooler and container. 153,329, Apr. 5.
- Vernon, Frederick L., Newton, Iowa. Weather information indicating apparatus. 155,660, Oct. 18.
- Vespe, Peter A., Camden, N. J. Drum. 153,484, Apr. 19.
- Vetter, Homer J., Seattle, Wash. Lens for stop and turn signals. 156,585, Dec. 20.
- Victor Adding Machine Co., assignee: *See*—
Mehan, Thomas O.
- Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Kronman, Joel.
- Victor Metal Products Corporation, assignee: *See*—
Jung, Albert H.
- Video Lighter Corporation, assignee: *See*—
Condon, William J.
- Vignola, William J.: *See*—
Lesner, Roy H., and Vignola.
- Vivaudou, Jean E., New York, N. Y. Nursery bib. 155,752, Oct. 25.
- Vivaudou, Jean E., New York, N. Y. Gift bag. 156,059, Nov. 15.
- Vogel, Ria H., New York, N. Y. Woven fabric. 156,185, Nov. 22.
- Vogl, Hugh W., Wilmette, Ill. Bench vise or similar article. 154,001, May 31.
- Vogt, Edwin M., Kalamazoo, Mich. Electric massager. 153,245, Mar. 29.
- Vojik, Albert G., and C. T. Ray, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,851, Nov. 1.
- Volz, Egon, New York, N. Y., assignor to Ellens Chocolates. Covering paper for candy boxes or the like. 155,852, Nov. 1.
- Von Baumann, Cyril, New York, N. Y. Book cover. 153,050, Mar. 8.
- Von Elm, George E., Burbank, assignor to Palomino Sportswear Company, Los Angeles, Calif. Sport shirt. 156,586, Dec. 20.
- Von Hirsch, Fritz, Nutley, N. J. Egg opener. 155,324, Sept. 20.
- Von Lindeck, Walter, Los Angeles, Calif. Combined freezer and dispenser for frozen foods. 153,737, May 10.
- Von Miklos, Josephine, New Canaan, Conn., assignor to Jacqueline Cochran, Indio, Calif. Box. 155,246, Sept. 13.
- Voorlas, Peter H., Racine, Wis. Resistance-carrying body for rheostats and the like. 156,587, Dec. 20.
- W & H Jewelry Company, assignee: *See*—
Horovitz, Morris.
- Waaranan, Walter W., Hubbardston, assignor to Arlington Chair Co., Gardner, Mass. High chair. 152,333, Jan. 11.
- Wacht, Andrew A., Detroit, Mich. Combined fishing reel and rod handle. 154,647, July 26.
- Wachtin, Alfred: *See*—
Zandberg, Paul, Feinstein, Sally, and Wachtin.
- Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven fabric. 154,822, Aug. 9.
- Waco Aircraft Company, The, assignee: *See*—
Arcier, Alex F.
- Wade, Charles M., Colorado Springs, Colo. Book end lamp base or similar article. 155,325, Sept. 20.
- Wade, Ripley, Mobile, Ala. Game cabinet. 152,932, Mar. 1.
- Wade, William T., Los Angeles, Calif. Inhalent therapy mask. 156,060, Nov. 15.
- Wager, Stanley: *See*—
Brook, Franklin, and Wager.
- Waggoner, William G., Stamford, Conn., assignor, by mesne assignments, to The Trumbull Electric Manufacturing Company. Electrical control cabinet. 153,051, Mar. 8.
- Wagner, Bertha, Rye, N. Y. Doll. 152,842, Feb. 22.
- Wagner, Blakely A., assignee: *See*—
Ballard, Wade E.
- Wagner, Edward L. A., New York, N. Y. Transfer sheet of weather map symbols. 153,568, Apr. 26.
- Wagner, Franz, assignor to O-Cedar Corp'n, Chicago, Ill. Combination mop head and handle socket. 152,843, Feb. 22.
- Wagner, Franz, Chicago, Ill., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubricant cabinet or the like. 153,569, Apr. 26.
- Wagner, Franz, Chicago, Ill., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lubricant cabinet or the like. 153,570, Apr. 26.
- Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,002, May 31.
- Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,003, May 31.
- Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,004, May 31.
- Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,005, May 31.
- Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Knife or similar article. 154,006, May 31.
- Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Covered cooking utensil. 156,297, Nov. 29.
- Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Pressure cooker. 156,298, Nov. 29.
- Wagner, Gustave H.: *See*—
Wagner, Harold A. and G. H.
- Wagner, Harold A. and G. H., Portland, Oreg. Truck mounted elevating tower. 154,823, Aug. 9.
- Wahlbom, Ernest T., assignor to Griggs-Wahlbom, Inc., Rockford, Ill. Bottle carrier. 155,661, Oct. 18.
- Wais, Will E., Chicago, Ill. Service tray and stand nestable unit. 153,909, May 24.
- Waite, Gilbert D.: *See*—
Espey, George B., and Waite.
- Waite, Ralph D., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Combined pressure gauge and relief valve or similar article. 153,651, May 3.
- Wajdik, Margaret, New York, N. Y. Combined hair curler and bobby pin container. 152,844, Feb. 22.
- Wakeman, Marvin J., Brooklyn, N. Y. Brooch or similar article. 152,845, Feb. 22.
- Wakeman, Marvin J., Brooklyn, N. Y. Brooch or similar article. 152,846, Feb. 22.
- Waldinger, Maurice J., New York, N. Y. Combined clip and point protector for fountain pens or the like. 152,509, Jan. 25.
- Waldinger, Maurice J., New York, N. Y. Combination clip and cap for ball pens or the like. 152,510, Jan. 25.
- Waldman, Joseph, Maplewood, N. J. Watch crown. 156,061, Nov. 15.
- Waldo, Charles L.: *See*—
Myers, Leslie W., and Waldo.
- Walitzky, Abraham, Lakewood, assignor to Camey Handbag Co., Inc., Perth Amboy, N. J. Lady's handbag. 154,573, July 19.
- Walker, Alfred, North Little Rock, Ark. Combined bath arm and detachable cap. 154,890, Aug. 16.
- Walker, Allan B.: *See*—
Riddle, Harry J., and Walker.
- Walker, Arthur O., Harrow, assignor to Playlastic Toy Company Limited, London, England. Rubber rocking toy. 156,186, Nov. 22.
- Walker, Arthur O., Harrow, assignor to Playlastic Toy Company Limited, London, England. Rubber rocking toy. 156,187, Nov. 22.
- Walker, Harvey O., Los Angeles, Calif. Frog. 153,052, Mar. 8.
- Walker, John R., Flushing, assignor to Norcross, Inc., New York, N. Y. Font of type. 152,443, Jan. 18.
- Wallace, Lloyd P., Ferguson, Mo. Handle for rods for fly or bait casting. 154,965, Aug. 23.
- Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Warren, William S.
- Wallace, Sadye J., New York, N. Y. Stroller or similar article. 152,576, Feb. 1.
- Wallance, Donald A., New York, N. Y. Table or similar article. 153,738, May 10.
- Wallance, Donald A., New York, N. Y. Table or similar article. 153,739, May 10.
- Wallance, Donald A., New York, N. Y. Furniture leg. 155,369, Sept. 27.
- Wallen, Jesse, Prestonburg, Ky. Clothespin. 155,052, Aug. 30.
- Walling, Lotte, New York, N. Y. Textile fabric. 156,634, Dec. 27.
- Walsh, Bertrand R., Forest Hills, N. Y. Display counter. 154,445, July 5.
- Walsh, Clark F., Charles City, Iowa. Combined fluid pressure tank and stand. 154,966, Aug. 23.
- Walsh, Cyral T.: *See*—
Hutchinson, Francis H., and Walsh.
- Walsh, John S., San Francisco, Calif. Lighting fixture. 153,837, May 17.
- Walsh, John S., San Francisco, Calif. Lighting fixture. 154,648, July 26.
- Walter, Charles T., Harvey, Ill. Household weighing scale. 154,446, July 5.
- Walters, Roger L., assignor of one-half to E. D. Carter, Chicago, Ill. Combined coaster and ash receiver. 154,447, July 5.
- Walters, Wilson H., Omaha, Nebr., assignor to Frontier Products Company, Inc. Haddock or the like. 153,191, Mar. 22.
- Walton, Wilford W., Rockford, Ill. Bird house. 153,192, Mar. 22.
- Wandner, Mac, Jackson Heights, assignor to Westbury Manufacturing Co., Inc., Brooklyn, N. Y. Screwdriver or the like. 153,193, Mar. 22.
- Wappner, Ralph C., assignor to The Ohio Thermometer Co., Inc., Springfield, Ohio. Thermometer. 155,853, Nov. 1.
- War, the United States of America as represented by the Secretary of, assignee: *See*—
Jones, Thomas H.
- Ward, Clyde A., San Francisco, Calif. Boat. 152,444, Jan. 18.
- Ward, Emerson A., Detroit, Mich. Child's chair. 153,838, May 17.

- Ward, Raymond R., Brecksville, Ohio. Support for a bar of soap or similar article. 154,727, Aug. 2.
- Ward, Florence M., Pasadena, Calif. Satnette or similar article. 155,053, Aug. 30.
- Ward, Florence M., Pasadena, Calif. Satnette or similar article. 155,054, Aug. 30.
- Ward, Theo G., assignor to Penda, Inc., Los Angeles, Calif. Filling cabinet. 156,062, Nov. 15.
- Warner, George B., Eatontown, N. J., assignor to the Commissioner of Welfare of the City of New York, New York, N. Y. Automobile ornament. 153,406, Apr. 12.
- Warner, Michael M., Winnetka, assignor to Mason-Williams Company, Chicago, Ill. Game table top. 154,351, June 28.
- Warner, Ruth S., Chicago, Ill. Food server. 155,753, Oct. 25.
- Warren, Arthur E., Des Moines, Iowa. Quarter boot. 154,085, June 7.
- Warren, Harold M., Wheatridge, Colo. Combined garden marking line and stakes. 153,485, Apr. 19.
- Warren, William H., San Francisco, Calif. Urn unit for cremated remains. 152,759, Feb. 15.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 153,740, May 10.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 153,741, May 10.
- Wasielewski, Zigmunt M., Kenmore, N. Y. Fish lure. 155,466, Oct. 4.
- Wasserman, Martin, assignor to Webster Electric Company, Racine, Wis. Intercommunicating system master station unit. 152,577, Feb. 1.
- Wasserman, Martin, assignor to Webster Electric Company, Racine, Wis. Intercommunicating system station unit. 152,578, Feb. 1.
- Waterman, L. E., Company, assignee: *See*—Lippincott, Joshua G.
- Watkins, Harold A., and E. M. Heimerl, Milwaukee, Wis.; said Heimerl assignor to said Watkins. Woman's overshoe. 154,007, May 31.
- Watkins, Joseph R., Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Sunglass frame. 153,652, May 3.
- Watkins, Myrtle V., executrix, assignee: *See*—Watkins, Robert E.
- Watkins, Robert E., deceased, by M. V. Watkins, executrix, assignor to M. V. Watkins, Kansas City, Mo. Portable golf putting cup or similar article. 155,370, Sept. 27.
- Watkins, William B., Winnetka, assignor to The Wm. B. Watkins Co., Evanston, Ill. Cooking utensil. 154,967, Aug. 23.
- Watkins, Wm. B. Co., The, assignee: *See*—Watkins, William B.
- Watson, Charles S., Pocatello, Idaho. Nasal brush. 152,933, Mar. 1.
- Watson, Hazel, Detroit, Mich. Guide for electrical conductor or the like. 155,371, Sept. 27.
- Watterson Radio Manufacturing Corporation, assignee: *See*—Meyers, Walter D.
- Wattley, Reginald S., New York, N. Y. Playing card holder. 154,824, Aug. 9.
- Wayne Industries, Inc., assignee: *See*—Bonfield, Joseph.
- Wayne Knitting Mills, assignee: *See*—Armstrong, Russell H.
- Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 156,469, Dec. 13.
- Wayne, Phyllis, assignor to Harry Goldinger Textile Corporation, Los Angeles, Calif. Textile fabric. 156,470, Dec. 13.
- Weaver, Frank, assignor to E. C. Atkins and Company, Indianapolis, Ind. Saw handle. 152,760, Feb. 15.
- Weaver, Frank R., assignor to E. C. Atkins & Company, Indianapolis, Ind. Saw handle. 153,407, Apr. 12.
- Weaver, W. T., assignee: *See*—Caskey, Gordon H.
- Weaver, Walter E., Nacogdoches, and V. N. Bridges, Houston, Tex.; said Bridges assignor to said Weaver. Pipe holder. 154,086, June 7.
- Weaver, William W., Houston, Tex. Record cabinet. 152,384, Jan. 11.
- Weber & Co., Inc., assignee: *See*—Schukat, Adolph.
- Weber, Harold H.: *See*—Mock, Thomas M., and Weber.
- Weber, Jack W.: *See*—Davis, Harold W., and Weber.
- Weber, Joseph, Forest Hills, N. Y. Collapsible stand for kitchen utensils. 153,742, May 10.
- Weber, Robert, Los Angeles, Calif. Wall vase. 154,891, Aug. 16.
- Weber, Robert, Los Angeles, Calif. Plant container. 156,588, Dec. 20.
- Weber's Root Beer Company, assignee: *See*—Hoople, Warner W.
- Webster Electric Company, assignee: *See*—Wasserman, Martin.
- Wechsler, Stanley, assignee: *See*—Everett, Milton C.
- Wedderspoon, Arthur F., assignor to Cole Hot Blast Mfg. Co., Chicago, Ill. Casing for heater or similar article. 156,589, Dec. 20.
- Weeber, Marion, assignor to National Silver Company, New York, N. Y. Salt shaker or the like. 154,968, Aug. 23.
- Weeber, Marion, assignor to National Silver Company, New York, N. Y. Salt shaker or the like. 155,055, Aug. 30.
- Weeber, Marion, assignor to National Silver Company, New York, N. Y. Salt shaker or the like. 155,056, Aug. 30.
- Weeber, Marion, assignor to National Silver Company, New York, N. Y. Child's dish. 155,948, Nov. 8.
- Weeks, Charles, Redwood City, Calif. Billfold. 154,519, July 12.
- Weglage, Albert, Dayton, Ohio. Bacon and egg fryer. 155,854, Nov. 1.
- Weigel, John C., assignee: *See*—Lowrey, Clyde J.
- Weiglin, Walter, New York, N. Y. Game board. 153,408, Apr. 12.
- Weil, H. A., assignee: *See*—Score, Leslie H.
- Weil, Joe: *See*—Zitenfeld, Abraham, and Weil.
- Weil, Lawrence M., Buffalo, N. Y. Jewelry box. 154,825, Aug. 9.
- Weiland, Alberta H., New York, N. Y. Dress. 153,053, Mar. 8.
- Weiland, Alberta H., New York, N. Y. Dress. 155,057, Aug. 30.
- Weiland, Fred, assignee: *See*—Baker, Robert F.
- Weill, Charles N., assignor to Soria & Simon Company, New York, N. Y. Receptacle for coins or similar articles. 155,467, Oct. 4.
- Weinberg, Sol, New York, N. Y. Textile fabric. 153,653, May 3.
- Weiner, Abner: *See*—Kaplan, Barnett D., and Weiner.
- Weining, Earl O.: *See*—Zipp, Harold W., Hudson, and Weining.
- Weinreich, Sol E., New York, N. Y. Combined necklace and clips. 153,409, Apr. 12.
- Weinstein, William J.: *See*—Anbender, Harry, and Weinstein.
- Weisgerber, Franklyn S.: *See*—Harris, Herschel G., and Weisgerber.
- Weiss, Alexander C. H., Chicago, Ill. Tissue sheet dispenser. 152,665, Feb. 8.
- Weiss, Alexander C. H., Chicago, Ill. Box or the like. 155,058, Aug. 30.
- Weiss, Jacob M., New York, N. Y. Combination ball pen and knife. 152,847, Feb. 22.
- Weiss, Jacob M., New York, N. Y. Combination mechanical pencil and knife. 155,561, Oct. 11.
- Weiss, Leo H.: *See*—Lifshutz, David A., and Weiss.
- Weiss, Nathan H., assignor to Louis Lefkowitz & Bro., Inc., New Brunswick, N. J. Case for exposure meter or similar article. 156,685, Dec. 27.
- Welch, Arthur R., Columbus, Ohio. Desk calendar. 154,826, Aug. 9.
- Welch, W. W., Company, assignee: *See*—Fukal, Alfred F.
- Weldon, Lucille E., and G. A. Peters, Sawyer, Wis.; said Peters assignor to said Weldon. Can puncturing device. 154,520, July 12.
- Wells Lamont Corporation, assignee: *See*—Wells, William O., Jr.
- Wells, Raymond L., Attleboro, assignor to American Optical Company, Southbridge, Mass. Spectacle frame. 156,299, Nov. 29.
- Wells, Russell W., Pomona, Calif. Fish lure. 152,308, Jan. 4.
- Wells, William O., Jr., Kenilworth, assignor to Wells Lamont Corporation, Chicago, Ill. Textile fabric or similar article. 154,827, Aug. 9.
- Wemyss, Robert B., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Percolator. 153,330, Apr. 5.
- Wende, Adolph H., St. Louis, Mo., assignor to H. Kleinkauf, Omaha, Neb., E. Haas and H. Gould, Kansas City, Mo., A. Natkin, Houston, Tex., B. M. Natkin, Clayton, S. J. Shure, St. Louis, doing business as Natkin & Company, Brentwood, Mo. Utility wagon. 153,654, May 3.
- Wendt, Harry C., Lynnfield, and Matthew A. Jordan, Saugus, Mass., assignors to General Electric Company. Bank and climb gyro instrument. 156,300, Nov. 29.
- Wenpetren, Lawrence, Detroit, Mich. Combination carriage, walker, and rocker. 156,390, Dec. 6.
- Werner, Arthur C., Lodi, Calif. Mucilage applicator unit. 155,562, Oct. 11.
- Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair and vibrator. 154,087, June 7.
- Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair and vibrator. 155,662, Oct. 18.
- Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair and vibrator. 155,663, Oct. 18.

- Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair, armrest, and vibrator. 155,664, Oct. 18.
- Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Foot and leg vibrator unit. 155,754, Oct. 25.
- Werner, John, Chicago, and Albert H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Vibrator unit. 156,301, Nov. 29.
- Wertheimer, Leo, assignor to Amcoin Corporation, Buffalo, N. Y. Regulator for liquid dispensing device. 156,391, Dec. 6.
- Wesche, Arthur C., Bridgeport, Conn., assignor to General Electric Company. Cabinet for a bottled beverage cooling unit or similar article. 152,579, Feb. 1.
- West Disinfecting Company, assignee: *See*—Gilmore, Burdette B.
- West Bend Aluminum Co., assignee: *See*—Morrison, Willard L., Jr.
- Westbury Manufacturing Co., Inc., assignee: *See*—Wandner, Mac.
- Western Newell Mfg. Co., assignee: *See*—Pollak, Manfred J.
- Western Stove Co., Inc., assignee: *See*—Honer, Henry.
- Westinghouse Electric Corporation, assignee: *See*—Hadley, Donald L., and Barron. Little, John M. Pickford, Jack, and Lambert. Winkler, Frederic C., and Wyman.
- Weston, Alexander S., New York, N. Y. Cap for a writing instrument. 154,521, July 12.
- Weston, Alexander S., New York, N. Y. Cap for a writing instrument. 154,522, July 12.
- Weston, Alexander S., New York, N. Y. Cap for a writing instrument. 154,523, July 12.
- Weston Electrical Instrument Corporation, assignee: *See*—Lamb, Anthony H.
- Weston, Sydney, New York, assignor to R. R. Eratico, Long Island City, N. Y. Combined flashlight and whistle. 155,059, Aug. 30.
- Weston, Sydney, New York, assignor to R. R. Eratico, Long Island City, N. Y. Combined flashlight and whistle. 155,060, Aug. 30.
- Weston, Sydney, New York, assignor to R. R. Eratico, Long Island City, N. Y. Table lighter. 155,468, Oct. 4.
- Wetherill, Frederic A., and W. P. Staniszewski, Middletown, Mass. Coin dispenser. 152,848, Feb. 22.
- Wetterhahn, Siebert, New York, N. Y. Table lamp. 154,352, June 28.
- Wewetzer, Albert: *See*—King, David M., and Wewetzer.
- Whately, Josephine B., Fluvanna, Tex. Shoe. 152,511, Jan. 25.
- Whitmore, Delia F., Seattle, Wash. Garden work and sport shoe. 156,302, Nov. 29.
- Wheeler, Henry C., Fairfield, assignor to The Acme Shear Company, Bridgeport, Conn. Shears. 152,761, Feb. 15.
- Wheeler, Henry F., assignor of one-half to A. E. Gross, Richmond Heights, Mo. Phonograph. 152,385, Jan. 11.
- Wheeler Insulated Wire Company, The, Incorporated, assignee: *See*—Muldoon, William J.
- Wheeler, James W., Cincinnati, Ohio. Manicure tray. 156,303, Nov. 29.
- Wheeling Steel Corporation, assignee: *See*—Ackermann, William E.
- Wheelmaster Corporation, assignee: *See*—Queen, Chester V.
- White, Constance R., Beverly Hills, Calif. Toy roly-poly or similar article. 154,088, June 7.
- White, Constance R., Beverly Hills, Calif. Toy animal figure. 155,855, Nov. 1.
- White, Holman D., Hamden, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 154,448, July 5.
- White, Joseph N.: *See*—King, Jay E., and White.
- White, Thomas N., Jr., Franklin, Va. Soap cake holder. 154,649, July 26.
- Whitman, Louis, London, England. Toothpaste and toothbrush holder. 155,372, Sept. 27.
- Whitney Blake Company, The, assignee: *See*—Barnhart, Herbert S.
- Whittaker, George A., Los Angeles, Calif. Mitten. 156,590, Dec. 20.
- Whittaker, Norman A., Seattle, Wash. Combined ultraviolet lamp and shield. 154,969, Aug. 23.
- Wicks Brothers, assignee: *See*—Carlson, Artie C. Schulz, Richard E.
- Widdfield, Albert E., Riverside, and I. Jepson, Oak Park, assignors to Sunbeam Corporation, Chicago, Ill. Combined display and demonstrating unit. 154,524, July 12.
- Wiedhopf, Jacob S., assignor to Parfums Ciro, Inc., New York, N. Y. Bottle. 153,194, Mar. 22.
- Wiener, Jack, New York, N. Y. Embroidered lace. 153,246, Mar. 29.
- Wiener, William, assignor to Reindad Novelty Co., New York, N. Y. Earring or similar article. 155,326, Sept. 20.
- Wiesenthal, Margaret, assignor to Gloria Gloves, Inc., New York, N. Y. Fingerless glove. 155,247, Sept. 13.
- Wiesenthal, Margaret, assignor to Gloria Gloves, Inc., New York, N. Y. Glove. 155,248, Sept. 13.
- Wiesenthal, Margaret, assignor to Gloria Gloves, Inc., New York, N. Y. Glove. 155,563, Oct. 11.
- Wiggin, Alise H., Minneapolis, Minn. Embroidered applique. 154,970, Aug. 23.
- Wiggins, Charles K., Seattle, Wash. Cigarette and tobacco-pipe lighter. 156,392, Dec. 6.
- Wilber, Harold E., Noblesville, Ind., and R. E. Kemp, Dayton, Ohio, assignors to Wilkemp Industries, Fishers, Ind. Heater. 153,572, Apr. 26.
- Wilcox-Gay Corporation, assignee: *See*—Burroughs, Louis R., and Boldt.
- Wilcox, Philip E., Inc., assignee: *See*—Lund, Sidney C.
- Wiley, Mike M., and G. M. Norden, Nashville, Tenn. Tray. 155,949, Nov. 8.
- Wilke, Adelaide E., Milwaukee, Wis. Savings bank. 156,188, Nov. 22.
- Wilkemp Industries, assignee: *See*—Wilber, Harold E., and Kemp.
- Williams, Albert C., New York, N. Y. Handbag. 152,762, Feb. 15.
- Williams, Arthur C., Washington, D. C. Bottle or the like. 155,061, Aug. 30.
- Williams, Beverly E., Chicago, Ill. Aging and refrigerating display cabinet. 156,304, Nov. 29.
- Williams, Philip M., Oakland, Maine. Fruit pack. 155,114, Sept. 6.
- Williams, Roswell V., Milwaukee, Wis., assignor to R. W. Kendrick, Aurora, Ill. Lens grinding holder. 154,449, July 5.
- Williams, Roswell V., Milwaukee, Wis., assignor to R. W. Kendrick, Aurora, Ill. Lens grinding holder. 154,450, July 5.
- Williams, William E., Milwaukee, Wis. Bus cart or similar article. 152,666, Feb. 8.
- Williams, William G., Anaheim, Calif. Pants hanger. 154,008, May 31.
- Williams, William T., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Over-the-shoe boot. 152,309, Jan. 4.
- Williams, William T., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Creeper or the like. 155,950, Nov. 8.
- Williamson, Ellen, assignor to Knitmark Inc., Princeton, N. J. Knitting needle. 154,971, Aug. 23.
- Williamson, Val K., Phillipsburg, Ohio. Boat. 153,910, May 24.
- Willing Company, The: *See*—Brown, Wilson W.
- Willoughby, Albert R., Indianapolis, Ind. Emblem plate for an automobile. 155,951, Nov. 8.
- Willoughby, William C., Tacoma, Wash. Ice cream dipper. 153,195, Mar. 22.
- Wills, Walter F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control panel for air-operated instruments. 156,591, Dec. 20.
- Willson Products, Inc., assignee: *See*—Seidel, William L.
- Wilson, Arthur R., assignee: *See*—Robbiati, Giordano.
- Wilson, Charles K., East Williston, and J. G. Lippincott, Scarsdale, N. Y. Electrode holder. 154,728, Aug. 2.
- Wilson, Elliot B., Detroit, Mich. Water scope. 155,665, Oct. 18.
- Wilson, Herbert W., assignor to The Hoover Company, North Canton, Ohio. Electric iron. 155,666, Oct. 18.
- Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 153,655, May 3.
- Wilson, Sydney L., Shelby, Miss. Ash tray. 155,952, Nov. 8.
- Wilson, William R. P., Springfield, S. C. Figurine lapel pin. 156,063, Nov. 15.
- Wilster Incorporated, assignee: *See*—Sallot, Bernard M., and Hofmann.
- Wiltshire, Arthur J.: *See*—Chapman, David, and Wiltshire.
- Wince, Vearl: *See*—Franck, Kurt, and Wince.
- Winchester, Frank U., Lansing, Mich. Flower display stand or the like. 156,471, Dec. 13.
- Winfree, Robert N., Lynchburg, Va. Dough molding machine. 154,574, July 19.
- Wingfoot Corporation, assignee: *See*—Swain, Joseph G.
- Winkler, Frederic C., and B. A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation. Luminaire. 154,525, July 12.
- Winnek, Douglas F., Margate City, N. J. Photographic film developing unit or similar article. 152,310, Jan. 4.
- Winnek, Douglas F., Margate City, N. J. Photographic film developing unit or similar article. 152,311, Jan. 4.
- Winslow, LaVerne J., Pasadena, Calif. Picture frame. 155,953, Nov. 8.
- Winslow, William B., Barrington, assignor to Targ-Aire Pistol Co., Chicago, Ill., a partnership. Air pistol. 154,828, Aug. 9.

- Winstead, Orville C., assignee: *See*—
Ince, Gilbert J.
- Winsted Hardware Manufacturing Co., The, assignee: *See*—
Newell, Heber L.
- Winter, Frank, Lincolnwood, assignor to Autopoint Company, Chicago, Ill. Pencil clip or similar article. 153,656, May 3.
- Winter, Frank J., Jr.: *See*—
Kaut, William, Jr., Lauman, and Winter.
- Winterbourne, James E. V., Cricklewood, assignor to S. Smith & Sons (England) Limited, London, England. Clock hand or similar article. 155,249, Sept. 13.
- Winterbourne, James E. V., Cricklewood, assignor to S. Smith & Sons (England) Limited, London, England. Clock hand or similar article. 155,250, Sept. 13.
- Winters, Alva B., Golf, assignor to Revere Electric Manufacturing Co., Chicago, Ill. Street lighting standard. 152,445, Jan. 18.
- Winters, Alva B., Golf, assignor to Revere Electric Manufacturing Co., Chicago, Ill. Street lighting standard. 152,446, Jan. 18.
- Winters, Alva B., Golf, assignor to Revere Electric Manufacturing Co., Chicago, Ill. Street lighting standard. 153,196, Mar. 22.
- Winters, Alva B., Golf, assignor to Revere Electric Manufacturing Co., Chicago, Ill. Street lighting standard. 153,247, Mar. 29.
- Winters & Crampton Corporation, assignee: *See*—
Hefferan, Robert F.
- Wisnasky, Herschel L.: *See*—
De Ment, Harold E., and Wisnasky.
- Wisniewsky, Edward, Racine, Wis. Circuit making device. 156,393, Dec. 6.
- Witzke, Julius H., Chicago, Ill. Book end. 154,009, May 31.
- Wodetzky, Elmer, Lynbrook, assignor to Accurate Machine & Tool Corp., New York, N. Y. Top mounting for fishing rods. 155,954, Nov. 8.
- Wodetzky, Elmer, Lynbrook, assignor to Accurate Machine & Tool Corp., New York, N. Y. Line guide for fishing rods. 155,955, Nov. 8.
- Wohinc, Louie, Weston, W. Va. Goblet or similar stem glassware. 154,729, Aug. 2.
- Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,251, Sept. 13.
- Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,252, Sept. 13.
- Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,253, Sept. 13.
- Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,254, Sept. 13.
- Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,255, Sept. 13.
- Wolf, Johann G.: *See*—
Oswald, Edward, and Wolf.
- Wolf, Semon, New York, N. Y. Slip or similar article. 154,010, May 31.
- Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,193, June 14.
- Wolfe, George H., and D. E. Mackenzie (Wolfe), Kalamazoo, Mich. Flacon for perfume. 153,054, Mar. 8.
- Wolfman, Ben, Inc., assignee: *See*—
Copeland, Peter.
- Wolter, Ernst J., Chicago, Ill. Combined candelabra and flower holder. 156,472, Dec. 13.
- Womack, Analee, Fort Worth, Tex. Game board. 154,011, May 31.
- Wood, Edward L., Detroit, Mich. Toy truck. 153,573, Apr. 26.
- Wood, Katharine, Staten Island, N. Y. Toy animal figure. 153,486, Apr. 19.
- Wood, Schuyler, assignor to Daniel Green Company, Dolgeville, N. Y. Bedroom slipper or similar article. 155,956, Nov. 8.
- Woodbury, Clare R., East Orange, N. J. Tie rack. 155,957, Nov. 8.
- Woods, Constance, assignor to Baby-Safe Toys, Inc., Mercer, Pa. Toy animal figure. 155,115, Sept. 6.
- Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Combination identification scraper and key holder. 154,526, July 12.
- Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Ash tray. 154,575, July 19.
- Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Combined calendar and pad holder. 155,958, Nov. 8.
- Wooster Rubber Company, The, assignee: *See*—
Caldwell, James R.
- Worad Co., assignee: *See*—
Darr, Harold W.
- Wright, Clyde E.: *See*—
Ingwer, Carl H., and Wright.
- Wright, John H., assignor to Consolidated Cosmetics, Chicago, Ill. Cosmetic display device. 154,650, July 26.
- Wrigley, Wm., Jr., Company, assignee: *See*—
Babcock, George.
- Wurlitzer, Rudolph, Company, The, assignee: *See*—
Clement, Joseph J., and Kline.
- Fueller, Paul M.
- Wyatt, De Witt H., Columbus, Ohio. Solid fuel burning room heater. 153,911, May 24.
- Wyatt, Frank H., Long Beach, Calif. Guard ring for protecting ground lights or the like. 154,451, July 5.
- Wyman, Burton A.: *See*—
Winkler, Frederic C., and Wyman.
- X-ray Corporation, assignee: *See*—
Hoffmann, Kim, and Heidrich.
- Yohey, Loren, assignor to Rodgers-Yohey Body Corporation, Muncie, Ind. Window shelf. 156,394, Dec. 6.
- Young, Albert: *See*—
Sommers, Albert L., and Young.
- Young, Arthur P., Newark, and W. Maslo, Jersey City, N. J. Television cabinet. 156,395, Dec. 6.
- Young, Charlotte C., Concord, N. H. Doll. 155,755, Oct. 25.
- Young, Charlotte C., Concord, N. H. Doll. 155,756, Oct. 25.
- Young, Everett C., Chicago, Ill. Housing for a household scale. 156,064, Nov. 15.
- Young, Jess C., Centerville, Iowa. Cabinet. 156,305, Nov. 29.
- Young, Leonard W., Moor Park, and J. W. Taylor, New Denham, assignors to Ingersoll Limited, London, England. Key blank. 155,062, Aug. 30.
- Young, Wilbur B., Bayport, and H. M. Jensen, Huntington, N. Y. Pin-up lamp. 155,667, Oct. 18.
- Youngbeck, Karl W., and H. J. Gluckstein, assignors to Globe-Union Inc., Milwaukee, Wis. Miniature twin variable resistor. 155,469, Oct. 4.
- Youngs, Wallace I.: *See*—
Noble, Roy A., and Youngs.
- Yuille, Glenn, Pontiac, Mich. Shoe shine machine. 153,410, Apr. 12.
- Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Combined bowl and cover. 155,757, Oct. 25.
- Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Butter dish. 155,758, Oct. 25.
- Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Cereal pitcher. 155,759, Oct. 25.
- Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 155,760, Oct. 25.
- Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. 155,761, Oct. 25.
- Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Cake plate. 155,762, Oct. 25.
- Yutzey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate. 155,763, Oct. 25.
- Zabel, William C. P., and R. C. Helfenbein, assignors to Plasmel Corporation, Chicago, Ill. Basket. 154,730, Aug. 2.
- Zadek-Feldstein Co., Inc., assignee: *See*—
Tharler, Seymour.
- Zahora, Paul S., Bloomington, Ind. Key chain. 153,839, May 17.
- Zaikner, Herman S., New York, N. Y. Tray. 155,327, Sept. 20.
- Zaikner, Herman, New York, N. Y. Refrigerator box or similar article. 155,373, Sept. 27.
- Zalman, Alexander: *See*—
Secofsky, Abraham, Meisel, and Zalman.
- Zandberg, Paul, H. E. Feinstein, T. Sally, and A. Wachtin, Los Angeles, Calif. Toothbrush handle. 155,668, Oct. 18.
- Zandberg, Paul, H. E. Feinstein, T. Sally, and A. Wachtin, Los Angeles, Calif. Toothbrush handle. 155,669, Oct. 18.
- Zavell, Arnold, assignor to The Fabricmart Corporation, New York, N. Y. Textile fabric. 156,396, Dec. 6.
- Zavell, Arnold, assignor to The Fabricmart Corporation, New York, N. Y. Textile fabric. 156,397, Dec. 6.
- Zazzara, Patrick B., Maplewood, assignor to Jersey Plastic & Die Casting Company, Newark, N. J. Combined ash tray and coaster. 154,452, July 5.
- Zebley, Donald, Mount Clemens, Mich. Space heater. 156,306, Nov. 29.
- Zegorav Inc., assignee: *See*—
Odenrants, Henning.
- Zeigler, Albert H.: *See*—
Werner, John, and Zeigler.
- Ziesel, Eva S., assignor to China & Glass Distributors, Inc., New York, N. Y. Hot water plate. 152,312, Jan. 4.
- Ziesel, Eva S., assignor to China & Glass Distributors, Inc., New York, N. Y. Hot-water plate. 152,667, Feb. 8.
- Zelenka, Robert, Chicago, Ill. Combined key retainer, flashlight, and lighter. 152,386, Jan. 11.
- Zendman, Isaac, 3rd, New York, N. Y. Lace. 153,197, Mar. 22.
- Zendman, Isaac, 3rd, New York, N. Y. Lace. 153,198, Mar. 22.
- Zenith Radio Corporation, assignee: *See*—
Condon, William J.
- Steinke, Carl J.
- Ziegenfuss, Truman S., Los Angeles, Calif. Combination twin bed unit. 152,512, Jan. 25.
- Ziegenfuss, Truman S., Los Angeles, Calif. Twin bed unit. 153,574, Apr. 26.

- Zimet, Helen, New York, N. Y. Lapel pin or similar article. 152,934, Mar. 1.
- Zimmer, Henry J., Torrance, Calif. Condiment shaker. 154,731, Aug. 2.
- Zimmermann, Louis F., Chicago, Ill. Cocktail recipe guide. 154,012, May 31.
- Zip Clip Knife Corporation, assignee: *See*—
Alexander, Cecil H.
- Zippp, Harold W., V. L. Hudson, and E. O. Weining, assignors to Boeing Airplane Company, Wichita, Kans. Airplane. 153,411, Apr. 12.
- Zippo Manufacturing Company, assignee: *See*—
Kamp, George B.
- Zitenfeld, Abraham, and J. Weil, New York, N. Y. Toll coin or token device for automobiles. 154,089, June 7.
- Zitenfeld, Abraham, and J. Weil, New York, N. Y. Toll coin or token device for automobiles. 154,353, June 28.
- Zitenfeld, Abraham, and J. Weil, New York, N. Y. Toll coin or token device for automobiles. 154,354, June 28.
- Zolot, Bernard G., Philadelphia, Pa. Table. 153,743, May 10.
- Zorn, Otto H., Brillion, Wis. Combined hairpin receptacle and opener. 155,470, Oct. 4.
- Zovod, Irving H., and A. Glass, Chicago, Ill. Comb holder. 156,592, Dec. 20.
- Zuck, Daniel R., Los Angeles, Calif. Airplane. 153,331, Apr. 5.
- Zuck, Daniel R., Los Angeles, Calif. Airplane. 154,829, Aug. 9.
- Zver, John L. and M. G., Chicago, Ill. Mobile carrier for vacuum cleaner and accessories or the like. 153,744, May 10.
- Zver, Martin G.: *See*—
Zver, John L. and M. G.

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LIST OF PLANT PATENTEES

- Aller, Curtis C., Yakima County, Wash. Apple tree. 819, Jan. 11.
- Allwood, Montagu C., Sussex, England, assignor to Charles H. Totty Co., Inc., Madison, N. J. Carnation plant. 876, Sept. 27.
- Andre Greenhouses, Inc., assignee: *See—*
Andre, Thomas J.
- Andre, Thomas J., assignor to Andre Greenhouses, Inc., Doylestown, Pa. Rose plant. 822, Feb. 1.
- Armstrong, John S., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Camellia plant. 891, Nov. 8.
- Armstrong, John S., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Camellia plant. 907, Dec. 20.
- Armstrong Nurseries, Inc., assignee: *See—*
Armstrong, John S.
Chaffin, Carl W.
Swim, Herbert C.
- Avansino, Mortensen & Company, assignee: *See—*
Holmes, Maxwell A.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 823, Feb. 15.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 824, Feb. 15.
- Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 852, July 12.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. 841, May 31.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. 842, May 31.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. 843, May 31.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. 845, June 7.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. 846, June 7.
- Brownell, Josephine D., Little Compton, R. I. Rose plant. 849, June 28.
- Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 838, May 24.
- Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 839, May 24.
- Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 844, May 31.
- Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 857, July 26.
- Carey, James R., assignee: *See—*
Gallagher, Edward.
- Chaffin, Carl W., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Climbing rose plant. 892, Nov. 8.
- Chase, Clarence A., assignor to Chase Gardens, Eugene, Oreg. Hybrid tea rose plant. 870, Sept. 6.
- Chase Gardens, assignee: *See—*
Chase, Clarence A.
- Clarke, W. B., & Co., assignee: *See—*
Clarke, Walter B.
- Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Lilac plant. 831, Apr. 12.
- Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Lilac plant. 832, Apr. 12.
- Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Lilac plant. 837, May 17.
- Clarke, Walter B., San Jose, Calif., assignor to W. B. Clarke & Co. Flowering quince plant. 847, June 14.
- Conard-Pyle Corporation, The, assignee: *See—*
Pohlson, Svend.
- Corliss Bros. Inc., assignee: *See—*
Corliss, Clifford D.
- Corliss, Clifford D., Magnolia, assignor to Corliss Bros. Inc., Gloucester, Mass. Euonymus fortunei plant. 881, Oct. 18.
- Davenport, Stearnes L., North Grafton, Mass., assignor to Kelly Brothers Nurseries, Inc., Dansville, N. Y. Apple tree. 906, Dec. 20.
- De Graaff, Jan. Sandy, Oreg. Lily plant. 862, Aug. 9.
- Dering, Eldon P., assignee: *See—*
Swim, Herbert C.
- Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Polyantha rose plant. 851, June 28.
- Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Floribunda rose plant. 879, Oct. 11.
- Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Polyantha rose plant. 880, Oct. 11.
- Eastern Shore Nurseries, Inc., assignee: *See—*
Hemming, Ernest.
- Engle, Russell, assignor to Tom Knipe Florist, Kokomo, Ind. Carnation plant. 909, Dec. 27.
- Florist, Tom Knipe, assignee: *See—*
Engle, Russell.
- Foster, Mulford B., Orlando, Fla. Aechmea plant. 898, Nov. 15.
- Gallagher, Edward, assignor to J. R. Carey, Mount Clemens, Mich. Rose plant. 853, July 12.
- Geheb, Frank, Arkadelphia, Ark., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 878, Oct. 11.
- Germain Seed and Plant Company, assignee: *See—*
Morris, Theodore J.
- Gilmore, Martin, Manchester, Mass. Dahlia plant. 899, Nov. 29.
- Godchaux, Frank A., Abbeville, La. Camellia plant. 873, Sept. 20.
- Grissinger, Charles O., New Cumberland, Pa., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 888, Nov. 1.
- Grullemans, John J., assignee: *See—*
Sparre, Gustave C.
- Grullemans, John J., Painesville, Ohio. Cydonia plant. 880, Mar. 29.
- Haase Brothers, assignee: *See—*
Haase, William J.
- Haase, William J., assignor to Haase Brothers, Peoria, Ill. Geranium plant. 875, Sept. 20.
- Hagler, Elizabeth B., Augusta, Ga., assignor to J. L. Sprunt, trading as Orton Nursery, Wilmington, N. C. Camellia japonica plant. 866, Aug. 23.
- Harris, Robert A., Arlington, assignor to Lawrence Sherwood, Fullerton, Calif. Pecan tree. 833, Apr. 26.
- Hemming, Ernest, assignor to Eastern Shore Nurseries, Inc., Easton, Md. Hybrid mallow plant. 835, May 10.
- Hill, E. G., Company, The, assignee: *See—*
Jelly, Robert G.
- Hill, Joseph H., Company, assignee: *See—*
Byrum, Roy L.
- Holmes, Maxwell A., assignor to Avansino, Mortensen & Company, San Leandro, Calif. Rose plant. 903, Nov. 29.
- Howard, Frederick H., assignor to Howard & Smith, Montebello, Calif. Rose plant. 834, Apr. 26.
- Howard, Frederick H., assignor to Howard & Smith, Montebello, Calif. Rose plant. 855, July 26.
- Howard & Smith, assignee: *See—*
Duehrsen, Carl G.
Howard Frederick H.
Krebs, Alfred.
- Inter-State Nurseries, Inc., assignee: *See—*
Swim, Herbert C.
- Jackson & Perkins Company, assignee: *See—*
Boerner, Eugene S.
Verschuren, Hendrikus A. M.
Verschuren-Pechtold, Jac.
- Jelly, Robert G., assignor to The E. G. Hill Company, Richmond, Ind. Rose plant. 858, Aug. 2.
- Kellogg, R. M., Company, The, assignee: *See—*
Prushek, Emil.
- Kelly Brothers Nurseries, Inc., assignee: *See—*
Davenport, Stearnes L.
- Kern, Carl E., Wyoming, Ohio. Magnolia plant. 820, Jan. 11.
- Krebs, Alfred, assignor to Howard & Smith, Montebello, Calif. Rose plant. 850, June 28.
- Krebs, Alfred, assignor to Howard & Smith, Montebello, Calif. Polyantha rose plant. 900, Nov. 29.
- Krebs, Alfred, assignor to Howard & Smith, Montebello, Calif. Dwarf polyantha rose plant. 901, Nov. 29.
- Krebs, Alfred, assignor to Howard & Smith, Montebello, Calif. Dwarf polyantha rose plant. 902, Nov. 29.
- Merrill, Grant, Red Bluff, Calif. Peach tree. 868, Aug. 30.
- Merrill, Grant, Red Bluff, Calif. Peach tree. 869, Aug. 30.
- Merrill, Grant, Red Bluff, Calif. Peach tree. 905, Dec. 6.
- Merritt, Frank P., Hamilton, Mont. Climbing rose plant. 856, July 26.
- Moore, Ralph S., Visalia, Calif. Climbing multiflora polyantha rose plant. 893, Nov. 8.
- Morris, Lillian A., administratrix: *See—*
Morris, Theodore J.
- Morris, Theodore J., deceased, by L. A. Morris, administratrix, Van Nuys, assignor to Germain Seed and Plant Company, Los Angeles, Calif. Rose plant. 860, Aug. 9.
- Morris, Theodore J., deceased, by L. A. Morris, administratrix, Van Nuys, assignor to Germain Seed and Plant Company, Los Angeles, Calif. Rose plant. 861, Aug. 9.
- Orton Nursery, assignee: *See—*
Hagler, Elizabeth B.
- Overlook Nurseries, assignee: *See—*
Sawada, Kosaku.
- Parson, Peter R., Forest Grove, Oreg. Prune tree. 872, Sept. 13.
- Peterson & Dering: *See—*
Swim, Herbert C.
- Pitman, Robert G., Apopka, Fla. Tangerine tree. 863, Aug. 9.

- Poulsen, Svend, Copenhagen, Denmark, assignor to The Conard-Pyle Corporation, West Grove, Pa. Rose plant. 889, Nov. 1.
- Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 871, Sept. 6.
- Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Carnation plant. 882, Oct. 18.
- Roberts, Stanley B., Westport, Conn. Rose plant. 877, Oct. 4.
- Rockhill, Harlow, deceased, Conrad, by R. A. Rockhill, executor and trustee, Marshalltown, Iowa. Strawberry plant. 854, July 19.
- Rockhill, Robert A., executor, trustee: *See*—Rockhill, Harlow.
- Russell, Ethel S., Canton, Pa., assignor, by mesne assignments, to The Wayside Gardens Company, Incorporated, Mentor, Ohio. Anthemis tinctoria plant. 859, Aug. 2.
- Sawada, Kosaku, Crichton Station, Ala., assignor, by mesne assignments, to Overlook Nurseries. Pyracantha plant. 884, Oct. 18.
- Sherwood, Lawrence, assignee: *See*—Harris, Robert A.
- Siebenthaler Co., The, assignee: *See*—Siebenthaler, John D.
- Siebenthaler, John D., assignor to The Siebenthaler Co., Dayton, Ohio. Honey locust tree. 836, May 17.
- Silva, William E., Sebastopol, Calif. Strawberry plant. 890, Nov. 1.
- Sodano, Jimmy: *See*—Sodano, Vincenzo.
- Sodano, Vincenzo, known as Jimmy Sodano, Madison, N. J. Rose plant. 840, May 24.
- Sparre, Gustave C., Clarkson, Ontario, Canada, assignor to J. J. Grullemans, Mentor, Ohio. Chrysanthemum plant. 825, Feb. 22.
- Sparre, Gustave C., Clarkson, Ontario, Canada, assignor to J. J. Grullemans, Mentor, Ohio. Chrysanthemum plant. 826, Feb. 22.
- Sparre, Gustave C., Clarkson, Ontario, Canada, assignor to J. J. Grullemans, Mentor, Ohio. Chrysanthemum plant. 827, Feb. 22.
- Sprunt, J. Laurence, assignee: *See*—Hagler, Elizabeth B.
- Stark Bro's Nurseries and Orchards Company, assignee: *See*—Geheb, Frank.
- Grissinger, Charles O.
- Stokes, Warren E., Butler, Pa. Japanese holly plant. 887, Oct. 25.
- Stribling, Thomas B., Jr., Merced, Calif. Peach tree. 904, Dec. 6.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 828, Feb. 22.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 829, Feb. 22.
- Swim, Herbert C., Ontario, Calif., assignor, by mesne assignments, to Eldon Pinkeney Dering, doing business as Peterson & Dering, Scappoose, Oreg. Rose plant. 883, Oct. 18.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 885, Oct. 25.
- Swim, Herbert C., Ontario, Calif., assignor, by mesne assignments, to Inter-State Nurseries, Inc., Hamburg, Iowa. Rose plant. 886, Oct. 25.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 894, Nov. 8.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 895, Nov. 8.
- Swim, Herbert C., assignor to Armstrongs Nurseries, Inc., Ontario, Calif. Rose plant. 896, Nov. 8.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 897, Nov. 8.
- Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Raspberry plant. 908, Dec. 20.
- Toth, Alex, Madison, Ohio. Barberry hedge plant. 867, Aug. 30.
- Totty, Charles H., Co., Inc., assignee: *See*—Allwood, Montagu C.
- Tresca, Fuller, Jacksonville, Fla. Ligustrum plant. 818, Jan. 4.
- Verschuren, Hendrikus A. M., Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 874, Sept. 20.
- Verschuren, Hendrikus Antoine Marie, legal representative: *See*—Verschuren-Pechtold, Jac.
- Verschuren-Pechtold, Jac., deceased, Haps, Netherlands, by Hendrikus A. M. Verschuren, legal representative, Haps, Netherlands, assignor, by mesne assignments, to Jackson & Perkins Company, Newark, N. Y. Rose plant. 910, Dec. 27.
- Wayside Gardens Company, Incorporated, The, assignee: *See*—Russell, Ethel S.
- Wickersham, Jesse A., Yakima County, Wash. Peach tree. 821, Feb. 1.
- Wilmore, Scott, Weathridge, Colo. Juniper tree. 848, June 28.

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LIST OF DISCLAIMERS

- Anderson, Lloyd L., Grand Rapids, Mich. Disclaimer filed by the assignee, Winters & Crampton Corporation. No. 2,440,162; disclaimer filed Jan. 15, 1949; v. 619; p. 859.
- Bailey, Francis M., Scotia, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,461,250; disclaimer filed July 15, 1949; v. 625; p. 567.
- Baile, James C., and Melvin J. See, Chicago, Ill. Disclaimer filed by the assignee, Standard Oil Company. No. 2,343,295; disclaimer filed Feb. 11, 1949; v. 620; p. 691.
- Bannister, Clyde E., Tulsa, Okla. Disclaimer filed by the inventor. No. 2,345,024; disclaimer filed Oct. 6, 1949; v. 628; p. 290.
- Barrett, Charles D., and Charles R. Whitehead, Altoona, Pa. Disclaimer filed by the inventors. No. 2,446,506; disclaimer filed Mar. 31, 1949; v. 621; p. 957.
- Bauman, John J., Abington, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,447,893; disclaimer filed Sept. 21, 1949; v. 627; p. 913.
- Bauman, John J., Abington, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,447,894; disclaimer filed Sept. 21, 1949; v. 627; p. 913.
- Berndt, Edward C., Norwalk, and Harry M. Creighton, East Norwalk, Conn. Disclaimer filed by the assignee, The R. U. V. Engineering Corporation. No. 2,072,416; disclaimer filed Dec. 8, 1948; v. 618; p. 5.
- Blanchard, Werner J., and Charles S. J. MacNeil, Dayton, Ohio. Disclaimer filed by the assignee, General Motors Corporation. No. 2,362,444; disclaimer filed June 27, 1949; v. 624; p. 671.
- Bland, James R., Eastport, Md. Disclaimer filed by the assignee, Keuffel & Esser Company. No. 2,422,649; disclaimer filed Dec. 16, 1948; v. 618; p. 339.
- Bobb, Lloyd J., Glenside, Pa. Disclaimer filed by the assignee, Philco Corporation. No. 2,421,312; disclaimer filed Aug. 30, 1949; v. 627; p. 304.
- Borden, George C., Jr., and Karl R. Karlson, Easton, Pa. Disclaimer filed by the assignee, Riegel Paper Corporation. No. 2,406,990; disclaimer filed Apr. 1, 1949; v. 622; p. 316.
- Breen, Stanley, Elgin, Ill. Disclaimer filed by the inventor and the assignee, Operadio Manufacturing Co. No. 2,466,634; disclaimer filed Apr. 19, 1949; v. 623; p. 12.
- Burk, Robert E., Wilmington, Del., and Everett C. Hughes, Cleveland Heights, Ohio. Disclaimer filed by the assignee, The Standard Oil Company. No. 2,399,662; disclaimer filed May 27, 1949; v. 623; p. 640.
- Carlin, Benson, New York, N. Y. Disclaimer filed by the assignee, Sperry Products, Inc. No. 2,448,352; disclaimer filed Aug. 30, 1949; v. 627; p. 304.
- Carpenter, Edwin L., Riverside, Conn. Disclaimer filed by the assignee, American Cyanamid Company. No. 2,434,606; disclaimer filed Oct. 12, 1949; v. 628; p. 290.
- Carson, Percy A., East Cleveland, Ohio. Disclaimer filed by the assignee, General Electric Company. No. 2,451,806; disclaimer filed June 24, 1949; v. 625; p. 280.
- Clemson, Richard D., Middletown, N. Y. Disclaimer filed by the assignee, Clemson Bros., Inc. No. 2,152,278; disclaimer filed Apr. 26, 1949; v. 622; p. 1260.
- Clifford, David Gordon, Palo Alto, Calif. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,400,743; disclaimer filed Aug. 6, 1949; v. 626; p. 13.
- Cowles, Edwin, Cayuga, N. Y. Disclaimer filed by the assignee, The Cowles Company. No. 2,351,492; disclaimer filed Nov. 16, 1949; v. 629; p. 599.
- Cox, George Chandler, Charleston, W. Va. Disclaimer filed by the inventor. No. 2,200,469; disclaimer filed June 10, 1949; v. 624; p. 370.
- Davies, John M., James J. Shipman, and William L. Davidson, Akron, Ohio. Disclaimer filed by the assignee, The B. F. Goodrich Company. No. 2,446,815; disclaimer filed Aug. 17, 1949; v. 626; p. 903.
- Deakin, Gerald, New York, N. Y. Disclaimer filed by the assignee, International Standard Electric Corporation. No. 2,447,494; disclaimer filed Apr. 19, 1949; v. 622; p. 640.
- Depp, Wallace A., Elmhurst, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,416,290; disclaimer filed Dec. 23, 1948; v. 618; p. 975.
- De Rosa, Louis A., West Brighton, Staten Island, N. Y. Disclaimer filed by the assignee, Federal Telephone and Radio Corporation. No. 2,408,050. Disclaimer filed Apr. 19, 1949; v. 622; p. 640.
- Dimond, Thomas L., Rutherford, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,414,096; disclaimer filed Oct. 4, 1949; v. 628; p. 7.
- Easton, Allan, Long Island City, N. Y. Disclaimer filed by the assignee, Emerson Radio & Phonograph Corporation. No. 2,419,340; disclaimer filed Mar. 18, 1949; v. 621; p. 642.
- Edwards, Hilbert E., Mansfield, Ohio. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,425,785; disclaimer filed Aug. 31, 1949; v. 627; p. 913.
- Edwards, Martin A., Scotia, and Hugh M. Ogle, Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,425,607; disclaimer filed Dec. 8, 1948; v. 618; p. 339.
- Elliott, Harold F., Belmont, Mass. Disclaimer filed by the inventor. No. 2,410,724; disclaimer filed July 26, 1949; v. 625; p. 1139.
- Fairbanks, Henry N., Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,161,341; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.
- Fallert, Clifford D., St. Louis, Mo. Disclaimer filed by the assignee, Gaylord Container Corporation. No. 2,393,356; disclaimer filed Nov. 5, 1949; v. 629; p. 599.
- Faralla, Raoul A., Long Branch, N. J. Disclaimer filed by the inventor. No. 2,417,067; disclaimer filed May 4, 1949; v. 623; p. 640.
- Ferrell, Enoch B., Chatham, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,423,829; disclaimer filed Sept. 20, 1949; v. 627; p. 913.
- Francis, Carleton S., Jr., Pine Orchard, Conn. Disclaimer filed by the assignee, American Viscose Corporation. No. 2,357,392; disclaimer filed July 12, 1949; v. 625; p. 280.
- Gaver, Kenneth M., Columbus, Ohio. Disclaimer filed by the assignee, The Ohio State University Research Foundation; the inventor, consenting. No. 2,397,732; disclaimer filed Mar. 3, 1949; v. 621; p. 13.
- Ginton, Edward L., Garden City, N. Y. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,408,420; disclaimer filed Sept. 23, 1949; v. 628; p. 7.
- Gossen, Martin J., Whitefish Bay, Wis. Disclaimer filed by the inventor. No. 2,158,963; disclaimer filed Apr. 6, 1949; v. 622; p. 316.
- Gulden, Ernest V., Dayton, Ohio. Disclaimer filed by the assignee, The National Cash Register Company, and the inventor. No. 2,416,095; disclaimer filed May 23, 1949; v. 623; p. 640.
- Hachmuth, Karl H., Bartlesville, Okla., and David G. Blaker, Mission, Kans. Disclaimer filed by the assignee, Phillips Petroleum Company. No. 2,401,242; disclaimer filed Feb. 11, 1949; v. 620; p. 1260.
- Hahn, William C., Scotia, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,463,267; disclaimer filed Sept. 24, 1949; v. 628; p. 7.
- Hall, Cortice H., Detroit, Mich. Disclaimer filed by the assignee, The Timken-Detroit Axle Company. No. 2,425,736; disclaimer filed Feb. 23, 1949; v. 620; p. 970.
- Hansell, Clarence W., Port Jefferson, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,409,038; disclaimer filed Dec. 1, 1948; v. 618; p. 5.
- Hansell, Clarence W., Port Jefferson, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,424,886; disclaimer filed Sept. 13, 1949; v. 627; p. 913.
- Harris, George C., Wilmington, Del. Disclaimer filed by the assignee, Hercules Powder Company. No. 2,419,211; disclaimer filed Nov. 30, 1949; v. 629; p. 866.
- Hartley, Ralph V. L., Summit, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,408,423; disclaimer filed Nov. 19, 1949; v. 629; p. 866.
- Haworth, Joseph P., Westfield, N. J. Disclaimer filed by the assignee, Jasco, Incorporated. No. 2,393,321; disclaimer filed Sept. 21, 1949; v. 627; p. 913.
- Hershberger, William D., Princeton, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,403,527; disclaimer filed Nov. 5, 1949; v. 629; p. 866.
- Heuser, Ralph V., Glenbrook, Conn. Disclaimer filed by the assignee, American Cyanamid Company. No. 2,409,124; disclaimer filed Mar. 30, 1949; v. 621; p. 957.
- Hopkins, Ervin W., Hinsdale, Ill., George Josh, Crown Point, Ind., and Louis A. Harriman, Chicago, Ill. Disclaimer filed by the assignee, Armour and Company. No. 2,427,726; disclaimer filed Feb. 2, 1949; v. 620; p. 11.
- Huber, Paul, Hillside, and Alexander T. Williams, Westfield, N. J. Disclaimer filed by the assignee, Weston Electrical Instrument Corporation. No. 2,463,770; disclaimer filed Oct. 11, 1949; v. 628; p. 1242.
- Huxford, George T., North Kingston, R. I. Disclaimer filed by the assignee, Builders Iron Foundry. No. 2,145,026; disclaimer filed July 19, 1949; v. 625; p. 867.

- Jackson, John G., Detroit, Mich. Disclaimer filed by the assignee, Square D. Company. No. 2,143,697; disclaimer filed Dec. 31, 1948; v. 619; p. 859.
- Johnson, Glen F., Detroit, Mich. Disclaimer filed by the assignee, General Motors Corporation. No. 2,434,245; disclaimer filed Mar. 5, 1949; v. 621; p. 642.
- Jones, Lloyd Theodore, Harry Edward Kennedy, and Maynard Arthur Rotermund, Berkeley, Calif. Disclaimer filed by the assignee, The Linde Air Products Company. No. 2,043,960; disclaimer filed Mar. 15, 1949; v. 621; p. 642.
- Kahn, Julian, New York, N. Y. Disclaimer filed by the inventor. No. 2,170,531; disclaimer filed July 1, 1949; v. 625; p. 13.
- Katzin, Martin, Riverhead, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,398,095; disclaimer filed Mar. 16, 1949; v. 621; p. 642.
- Keller, Arthur C., Bronxville, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,417,829; disclaimer filed Dec. 23, 1948; v. 618; p. 975.
- Kropa, Edward L., Old Greenwich, Conn. Disclaimer filed by the assignee, American Cyanamid Company. No. 2,388,161; disclaimer filed June 9, 1949; v. 624; p. 370.
- Kuhn, Carl S., Jr., Dallas, Tex. Disclaimer filed by the assignee, Socony-Vacuum Oil Company, Incorporated. No. 2,436,695; disclaimer filed Oct. 1, 1949; v. 628; p. 7.
- Kung, Frederick E., Akron, Ohio. Disclaimer filed by the assignee, The B. F. Goodrich Company. No. 2,375,005; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.
- Labin, Emile, New York, N. Y., and Donald D. Grieg, Forest Hills, N. Y. Disclaimer filed by the assignee, Federal Telephone and Radio Corporation. No. 2,429,631; disclaimer filed Apr. 19, 1949; v. 622; p. 640.
- Lafferty, James M., Colonie, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,454,970; disclaimer filed July 26, 1949; v. 625; p. 1139.
- Lawson, Dennis I., Cambridge, England. Disclaimer filed by the assignee, Pye Limited. No. 2,418,268; disclaimer filed May 16, 1949; v. 623; p. 640.
- Lechleitner, Aloysius E., Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,211,334; disclaimer filed July 29, 1949; v. 625; p. 1139.
- Lee, Paul R., Mansfield, Ohio. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,374,022; disclaimer filed Mar. 12, 1949; v. 621; p. 642.
- Manning, Fred W., Palo Alto, Calif. Disclaimer filed by the inventor. No. 2,411,660; disclaimer filed Feb. 7, 1949; v. 620; p. 691.
- Martinet, Eugene F., Cleveland, Ohio. Disclaimer filed by the assignee, Health-Mor, Inc. No. 2,280,495; disclaimer filed May 12, 1949; v. 623; p. 640.
- McShan, Clarence H., Newark, N. J. Disclaimer filed by the inventor. No. 2,451,347; disclaimer filed July 1, 1949; v. 625; p. 13.
- Meacham, Larned A., Summit, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,422,205; disclaimer filed Sept. 16, 1949; v. 627; p. 913.
- Mechur, Bert, and Walter Riedler, New York, N. Y. Disclaimer filed by the inventors. No. 2,424,482; disclaimer filed Apr. 26, 1949; v. 623; p. 12.
- Moore, Maurice L., and John R. Corrigan, Detroit, Mich. Disclaimer filed by the inventors; the assignee, Sterling Drug Inc., consenting. No. 2,460,144; disclaimer filed June 21, 1949; v. 624; p. 671.
- Morrell, Jacques C., Oak Park, Ill. Disclaimer filed by the inventor. No. 2,412,528; disclaimer filed Mar. 1, 1949; v. 620; p. 1260.
- Nagel, August, Stuttgart-Degerlock, Germany. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,262,553; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.
- Nagel, George W., Baltimore, Md. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,416,199; disclaimer filed May 27, 1949; v. 623; p. 952.
- Nagy, Daniel E., Stamford, Conn. Disclaimer filed by the assignee, American Cyanamid Company. No. 2,455,896; disclaimer filed Aug. 11, 1949; v. 626; p. 13.
- Nergaard, Leon S., Princeton, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,431,273; disclaimer filed Aug. 5, 1949; v. 626; p. 309.
- Oliver, Guy C., Glendale, Calif. Disclaimer filed by the inventor and the assignees, Jack E. Talbot and Robert Farley Lucas. No. 2,073,876; disclaimer filed Dec. 27, 1948; v. 619; p. 259.
- Patterson, John A., Beacon, N. Y. Disclaimer filed by the assignee, The Texas Company. No. 2,403,234; disclaimer filed Apr. 11, 1949; v. 622; p. 316.
- Pickslay, William M., Milwaukee, Wis. Disclaimer filed by the assignee, Allis-Chalmers Manufacturing Company. No. 2,450,159; disclaimer filed Mar. 26, 1949; v. 622; p. 316.
- Pöhl, Paul, and Fritz Metzsch, Wuppertal-Elberfeld, Germany. Disclaimer filed by the assignee, Winthrop-Stearns Inc. No. 2,297,024; disclaimer filed Aug. 27, 1949; v. 627; p. 8.
- Powell, Henry K., Chicago, Ill. Disclaimer filed by the assignee, Morris Paper Mills. No. 2,445,280; disclaimer filed Sept. 30, 1949; v. 628; p. 7.
- Rigrod, William W., Bloomfield, and David Gordon Clifford, Montclair, N. J. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,408,271; disclaimer filed Aug. 27, 1949; v. 627; p. 8.
- Rockoff, Joseph, Dayton, Ohio. Disclaimer filed by the inventor and the assignee, The Dayton Rubber Company. No. 2,304,656; disclaimer filed Jan. 4, 1949; v. 619; p. 259.
- Rose, Frank William, and Frederick Walter Steuber, Swarthmore, Pa. Disclaimer filed by the assignee, Houdry Process Corporation. No. 2,441,170; disclaimer filed Sept. 14, 1949; v. 627; p. 609.
- Roth, Warren D., Leo C. Brown, and Guy W. Phelps, Chicago, Ill. Disclaimer filed by the assignee, Industrial Patents Corporation. Re. No. 22,558; disclaimer filed Dec. 16, 1948; v. 618; p. 975.
- Shenk, Eugene R., Brooklyn, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,417,522; disclaimer filed Feb. 2, 1949; v. 620; p. 350.
- Smith, Albert A., Jr., Metuchen, N. J. Disclaimer filed by the assignee, American Smelting and Refining Company. No. 2,306,667; disclaimer filed Oct. 27, 1949; v. 629; p. 599.
- Smoot, Charles H., deceased, late of Maplewood, N. J. Disclaimer filed by the assignee, Katherine Smoot; the licensees, Smoot Engineering Company and Republic Flow Meters Company, consenting and approving. Re. No. 20,695; disclaimer filed Sept. 10, 1949; v. 627; p. 609.
- Sontheimer, Carl G., Haddonfield, and Nathaniel I. Korman, Camden, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,423,526; disclaimer filed Mar. 30, 1949; v. 622; p. 316.
- Southworth, George C., Red Bank, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,405,242; disclaimer filed Dec. 21, 1948; v. 618; p. 975.
- Stillson, Gordon H., Oakmont, Pa. Disclaimer filed by the assignee, Gulf Research & Development Company. No. 2,428,745; disclaimer filed Dec. 30, 1948; v. 619; p. 259.
- Sun, Kuan-Han, Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,430,539; disclaimer filed Sept. 17, 1949; v. 627; p. 913.
- Tashjian, David R., Baltimore, Md. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,412,935; disclaimer filed Feb. 18, 1949; v. 620; p. 970.
- Tautz, Herbert E., Englewood, Colo. Disclaimer filed by the assignee, Rockwell Manufacturing Company. No. 2,352,235; disclaimer filed Oct. 28, 1949; v. 629; p. 599.
- Tawney, Gerald Leon, Hempstead, N. Y. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,437,281; disclaimer filed Sept. 14, 1949; v. 627; p. 913.
- Thornbery, John H., Milwaukee, Wis. Disclaimer filed by the assignee, Milwaukee Gas Specialty Company; the inventor assenting. No. 2,183,827; disclaimer filed May 26, 1949; v. 623; p. 640.
- Tolson, William A., and Carl A. Meneley, Princeton, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,409,456; disclaimer filed Dec. 21, 1948; v. 618; p. 975.
- Van de Griendt, Gerald H., Belmont, Mass., and Leslie M. Peters, San Francisco, Calif. Disclaimer filed by the assignee, Shell Development Company. No. 2,475,364; disclaimer filed Oct. 25, 1949; v. 629; p. 6.
- Webb, Donald R., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,451,263; disclaimer filed Aug. 23, 1949; v. 626; p. 903.
- Welty, Albert B., Jr., Mountaineer, N. J. Disclaimer filed by the assignee, Standard Oil Development Company. No. 2,406,117; disclaimer filed Apr. 15, 1949; v. 622; p. 640.
- Wilde, Kurt, Berlin-Wilmersdorf, Germany. Disclaimer filed by the assignee, Builders Iron Foundry. No. 1,985,130; disclaimer filed July 19, 1949; v. 625; p. 867.
- Wilms, Gustav O., Milwaukee, and Hans Petersen, Wauwatosa, Wis. Disclaimer filed by the assignee, Allen-Bradley Company. Re. No. 20,676; disclaimer filed Dec. 13, 1948; v. 618; p. 339.
- Wilms, Gustav O., Milwaukee, and Hans Petersen, Wauwatosa, Wis. Disclaimer filed by the assignee, Allen-Bradley Company. No. 2,071,149; disclaimer filed Dec. 13, 1948; v. 618; p. 339.
- Winchel, Henry T., North Hollywood, Calif. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,422,382; disclaimer filed July 11, 1949; v. 625; p. 567.
- Wintritz, George, Staten Island, N. Y. Disclaimer filed by the assignee, Conmar Products Corporation. No. 2,201,068; disclaimer filed Mar. 8, 1949; v. 621; p. 642.
- Wittel, Otto, Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 2,262,570; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.
- Wunsch, Felix, Philadelphia, Pa. Disclaimer filed by the assignee, Leeds and Northrup Company. No. 2,153,222; disclaimer filed Nov. 29, 1949; v. 629; p. 866.

1949

LIST OF INVENTIONS

This list includes reissue inventions

- Abrading apparatus. W. L. Keefer. 2,468,014, Apr. 19.
 Abrasive article. D. T. Peden. 2,467,094, Apr. 12.
 Abrasive articles and manufacturing the same. G. J. Goepfert and N. P. Robie. 2,468,056, Apr. 26.
 Abrasive articles, Ceramic bonded. H. R. Houchins. 2,475,565, July 5.
 Abrading device. W. P. Peterson. 2,459,893, Jan. 25.
 Abrading device, Vacuum-actuated. G. Kryl. 2,472,161, June 7.
 Abrading element. E. W. Hall. 2,484,994, Oct. 18.
 Abrading element and making same. J. P. Buckey. 2,463,678, Mar. 8.
 Abrading machine. A. J. Paulson. 2,484,583, Oct. 11.
 Abrading means and making same. J. P. Buckey. 2,463,679, Mar. 8.
 Abrading tool. J. F. Eisele. 2,464,385, Mar. 15.
 Abrasive and polishing head. A. P. and H. R. Beam. 2,469,429, May 10.
 Abrasive apparatus. E. M. Chase. 2,460,250, Jan. 25.
 Abrasive articles, Making. D. B. Sharpe. 2,460,367, Feb. 1.
 Abrasive disk support. W. Stever. 2,480,886, Sept. 6.
 Abrasive sheet holder. R. L. Smith. 2,464,950, Mar. 22.
 Abrasive sleeve holder. G. A. Larson. 2,483,422, Oct. 4.
 Abrasive strip holder. C. W. Booth. 2,464,668, Mar. 15.
 Abrasive strip holder. A. O. Olafson. 2,474,546, June 28.
 Abrasive teeth, Making. D. E. Webster. 2,488,151, Nov. 15.
 Abrasive tool. G. W. Allred. 2,463,234, Mar. 1.
 Abrasive tool. G. W. Allred. 2,489,250, Nov. 29.
 Abrasive wheel. J. Chudner. 2,471,934, May 31.
 Abrasive wheel. A. S. Titcomb. 2,476,334, July 19.
 Abrasives, Coated. N. E. Oglesby. 2,485,765, Oct. 25.
 Absorber and stabilizer. Shock. C. H. Dolan, II. 2,474,471, June 28.
 Absorber, Blade vibration. R. J. Harker. 2,462,962, Mar. 1.
 Absorber, Propeller blade vibration. R. J. Harker. 2,462,961, Mar. 1.
 Absorber, Tension. L. Kneebone. 2,461,427, Feb. 8.
 Absorbing device, High-frequency radiant energy. D. E. Sunstein. 2,474,384, June 28.
 Absorbing means for business machines or the like, Vibration. R. E. Boyden. 2,489,696, Nov. 29.
 Absorbing mechanism, Friction shock. H. J. Lounsbury. 2,475,670, July 12.
 Absorption process. R. M. Jackson and P. J. Harrington. 2,470,438, May 17.
 Absorption process. C. P. Stanley. 2,487,577, Nov. 8.
 Absorption refrigeration apparatus and method including absorption liquid concentration control. L. McNeely. 2,465,904, Mar. 29.
 Accelerating apparatus for charged particles. J. P. Blewett. 2,465,786, Mar. 29.
 Accelerating phosphate coating with indigoid compounds. W. S. Russell. 2,463,496, Mar. 1.
 Accelerating the growth of microorganisms. R. F. Shropshire. 2,492,128, Dec. 20.
 Acceleration control apparatus. J. L. Ray. 2,489,586, Nov. 29.
 Acceleration switch. L. A. O'Brien. 2,486,362, Oct. 25.
 Accelerator and braking device, Airplane wheel. S. F. Hawkins and C. H. Roberts. 2,480,651, Aug. 30.
 Accelerator apparatus and method, Electronic induction. G. D. Adams, Jr. 2,473,123, June 14.
 Accelerator depressor. A. C. Allen. 2,465,183, Mar. 22.
 Accelerator for automobiles, Hand control. A. M. Shipley. 2,489,727, Nov. 29.
 Accelerator for the breechblock of automatically loading firearms. C. Pelo. 2,476,622, July 19.
 Accelerator for the sponge iron rotary kiln process reduction. P. Riott. 2,462,900, Mar. 1.
 Accelerator, Furnace heat transfer. F. S. Boone. 2,488,163, Nov. 15.
 Accelerator of vulcanization. A. R. Davis. 2,489,704, Nov. 29.
 Accelerator pedal, Adjustable. H. B. Rodd. 2,484,592, Oct. 11.
 Accelerator rod detent. F. P. Rodkey. 2,490,473, Dec. 6.
 Accelerators, Vulcanization. L. B. Tewksbury, Jr. 2,476,688, July 19.
 Accelerometer. C. M. Hathaway. 2,484,165, Oct. 11.
 Accelerometer, Electric angular. L. D. Statham. 2,481,792, Sept. 13.
 Accelerometer, Peak. W. H. Hoppmann. 2,472,829, June 14.
 Accelerometers, Integrating. M. Morrison. 2,458,016, Jan. 4.
 Accessory, Ironing board. T. V. Baker. 2,486,628, Nov. 1.
 Accessory, Tire stand. O. V. Teegarden. 2,481,041, Sept. 6.
 Accordion, Amplified. W. J. Babicky. 2,460,408, Feb. 1.
 Accounting and filing device. H. Weston. 2,457,855, Jan. 4.
 Accounting apparatus. A. H. Dickinson. 2,461,412, Feb. 8.
 Accounting machine. E. R. Coe and G. Nelson. 2,477,722, Aug. 2.
 Accounting machine. C. J. Goodale and H. B. Marvin. 2,471,150, May 24.
 Accounting machine. P. Spurling, R. J. Moser, A. G. Kibler, M. D. Frost, and W. J. Kreider. 2,467,704, Apr. 19.
 Accounting machine. O. J. Sundstrand. 2,459,468, Jan. 18.
 Accounting machine, Record controlled. R. E. Page and H. S. Beattie. 2,461,438, Feb. 8.
 Accounting system, Automatic message. C. F. Seibel. 2,488,607, Nov. 22.
 Accumulation, Electrical. M. E. Miller. 2,486,964, Nov. 1.
 Accumulator. N. de Kiss. 2,480,558, Aug. 30.
 Accumulator and intensifier, Balanced multiple ram. J. E. Shook. 2,479,422, Aug. 16.
 Accumulator bag. J. Mercier. 2,465,908, Mar. 29.
 Accumulator entry means controlled by combinational hole records. G. F. Daly. 2,475,312, July 5.
 Accumulator injection system. D. E. Meitzler. 2,461,222, Feb. 8.
 Accumulator, metering tube, and heat exchanger for refrigeration systems, Combination. M. T. Cahenzli, Jr. 2,467,078, Apr. 12.
 Accumulator of the bipolar type, Electric. W. G. Schmidt. 2,471,781, May 31.
 Accumulator of the step by step operated type. C. D. Lake, D. R. Platt, M. Fiehl, and W. Pfaff. 2,480,744, Aug. 30.
 Accumulator or storage rolls, Beam warper. J. C. Bodansky. 2,491,438, Dec. 13.
 Accumulator shell sealing plug. J. Mercier and E. M. Greer. 2,469,171, May 3.
 Accumulator with tubular electrodes, Electrical. M. Malki, B. Matzkin, and A. L. Goldman. 2,469,508, May 10.
 Acetal resins. D. E. Adelson and H. F. Gray, Jr. 2,469,288, May 3.
 Acetal, Producing. L. Alh riti re. 2,489,608, Nov. 29.
 Acetals, Preparation of. P. A. Barrick, and A. A. Pavlic. 2,491,915, Dec. 20.
 Acetamido dimethylacrylic acid, Making. R. Mazingo and K. Folkers. 2,460,708, Feb. 1.
 Acetaramides, Production of. E. S. Pemberton. 2,462,221, Feb. 22.
 Acetate fibers, Fluorescent red cellulose. R. G. Dort. 2,457,808, Jan. 4.
 Acetate filaments, Fluorescent cellulose. R. R. Sitzler and G. E. Dennison. 2,457,838, Jan. 4.
 Acetonitrile, Preparing. J. L. M. Fr jacques. 2,468,363, Apr. 26.
 Acetonitrile-trichloroacetonitrile mixtures, Azeotropic distillation of. A. Karr. 2,463,629, Mar. 8.
 Acetoxy-aliphatic amides. H. S. Davis. 2,459,686, Jan. 18.
 Acetylsterase from citrus waste, Isolation of. E. F. Jansen, R. Jang, and L. R. MacDonnell. 2,458,171, Jan. 4.
 Acetyl peroxide, Manufacturing. H. A. Rudolph and R. L. McEwen. 2,458,207, Jan. 4.
 Acetylation of compounds containing a $\text{CO}-(\text{CH}_2)_n-\text{CO}-$ group. D. C. Hull and A. H. Aggett. 2,482,066, Sept. 13.
 Acetylene cutting torch and guide. J. B. Miner. 2,483,294, Sept. 27.
 Acetylene manufacture. S. P. Robinson. 2,482,438, Sept. 20.
 Acetylene, Producing. O. Spring. 2,466,617, Apr. 5.
 Achieving electronic dark-field and bright field illumination, Method of and apparatus for selectively. P. C. Smith and J. H. Reisner. 2,464,419, Mar. 15.
 Acid-activating kaolin clay. H. A. Shabaker. 2,477,664, Aug. 2.
 Acid amides of pectinic acid and their preparation. E. F. Bryant. 2,480,710, Aug. 4.
 Acid amides, Preparing pterico. J. Semb. 2,491,285, Dec. 13.
 Acid anhydrides and acetone, Preparing. H. J. Hagemeyer, Jr. 2,476,859, July 19.

- Acid anhydrides from unsaturated hydrocarbon acid anhydrides, Manufacture of aliphatic. G. E. Smith and W. Hunter. 2,492,403, Dec. 27.
- Acid attack on brick, Inhibiting. M. K. Weber and C. R. Nelson. 2,472,635, June 7.
- Acid catalyst concentration in an alkylation process, Maintaining. A. P. Shearer. 2,488,943, Nov. 22.
- Acid dyestuffs of the anthraquinone series and making same. S. von Allmen and H. Eggenberger. 2,480,985, Sept. 6.
- Acid ester of cellulose, Plasticized lower fatty. A. F. Caprio and W. Horback. 2,460,376, Feb. 1.
- Acid esters and making same, Drying oil. J. B. Rust. 2,464,202, Mar. 15.
- Acid esters, Preparation of unsaturated. L. Shechter. 2,462,337, Feb. 22.
- Acid esters, Rosin. H. Wittcoff. 2,470,964, May 24.
- Acid halides of 5-acyloxyppyrazoles. E. L. Martin. 2,476,986, July 26.
- Acid halides, Production of unsaturated. R. W. Tess, G. W. Hearne, and H. L. Yale. 2,490,386, Dec. 6.
- Acid in the production of cyclonite, Recovering. G. F. Wright and C. A. Winkler. 2,478,164, Aug. 2.
- Acid inhibitors. H. R. Slagh. 2,467,164, Apr. 12.
- Acid, Manufacture of sulfuric. H. F. Merriam. 2,471,072, May 24.
- Acid, Nonanoic. A. A. Pavlic. 2,470,859, May 24.
- Acid resistant enamel frit and ferrous metal coated with enamel made from same. W. W. Coffeen and R. R. Danielson. 2,492,523, Dec. 27.
- Acid salts of diguanides, Preparation of sulfonic. W. F. Short, G. I. Hobday, and P. Oxley. 2,473,112, June 14.
- Acid sludge, Decomposing. C. L. Read. 2,467,855, Apr. 19.
- Acid, Storage of hydrofluoric. P. M. Waddill. 2,471,986, May 31.
- Acid treatment of heterocyclic imide and imidazole vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,473,015, June 14.
- Acid treatment of pyranthrone vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,459,366, Jan. 18.
- Acidic compositions, Treatment of. C. N. Zellner. 2,486,455-6, Nov. 1.
- Acids, Organodistannonic. J. W. Hill. 2,484,508, Oct. 11.
- Acids, Preparation of aliphatic. R. S. Spindt and D. R. Stevens. 2,470,876, May 24.
- Acids, Recovery of by-product. W. E. Hanson. 2,470,849, May 24.
- Acids, Recovery of rosin. A. G. Houpt. 2,463,274, Mar. 1.
- Acids, Recovery of sludge. G. T. Reich. 2,463,204, Mar. 1.
- Aconitic acid from molasses, Separation of. J. A. Ambler and E. J. Roberts. 2,481,557, Sept. 13.
- Aconitic acid from sugar-cane, Extraction of. E. K. Ventre. 2,469,090, May 3.
- Acoustic control for public address systems and the like, Automatic. G. N. Wetzel. 2,484,662, Oct. 11.
- Acoustic device. M. C. Rosenblatt. 2,492,183, Dec. 27.
- Acoustic skeleton chamber for string instruments. G. Virzl. 2,489,169, Nov. 22.
- Acoustic switch. A. R. Eastman. 2,466,881, Apr. 12.
- Acoustical apparatus. H. C. Hayes and E. Klein. 2,472,107, June 7.
- Acoustical apparatus. J. E. Volkmann. 2,458,038, Jan. 4.
- Acoustical plaster and making. W. L. Chrisler. 2,485,259, Oct. 18.
- Acoustical tile supporting frame. J. S. Lowell. 2,476,499, July 19.
- Aceridine compounds and making same. J. H. Burckhalter, E. M. Jones, A. L. Rawlins, F. H. Tendick, and W. F. Holcomb. 2,474,824, July 5.
- Aceridine compounds and making the same. J. H. Burckhalter, E. M. Jones, A. L. Rawlins, F. H. Tendick, and W. F. Holcomb. 2,474,819, July 5.
- Acrolein acetal polymers. E. F. Izard. 2,467,430, Apr. 19.
- Acrolein diacetate, Production of. C. W. Smith and D. G. Norton. 2,483,852, Oct. 4.
- Acrolein-phenol resin. G. R. Owens. 2,458,408, Jan. 4.
- Acrylic acid and esters thereof, Preparation of. B. C. Redmon. 2,485,510, Oct. 18.
- Acrylic acid, Preparation of. S. A. Ballard and B. P. Geyer. 2,459,677, Jan. 18.
- Acrylic acid, Preparation of. B. C. Redmon. 2,469,701, May 10.
- Acrylic diester-propionamides and polymers thereof. D. D. Reynolds and J. H. Van Campen. 2,458,422, Jan. 4.
- Acrylic ester-amides and polymers thereof. D. D. Reynolds and W. O. Kenyon. 2,458,420, Jan. 4.
- Acrylic esters of ether-alcohols. C. E. Rehberg and C. H. Fisher. 2,458,888, Jan. 11.
- Acrylic esters, Purifying. M. L. Fein and C. H. Fisher. 2,463,608, Mar. 8.
- Acrylic resin laminations. H. T. Neher and L. V. N. Bauer. 2,464,826, Mar. 22.
- Acrylonitrile polymers, Wet-spinning. W. A. Hare. 2,467,553, Apr. 19.
- Acrylonitrile, Production of. E. L. Carpenter and H. S. Davis. 2,461,492, Feb. 8.
- Acrylonitrile-vinylidene chlorofluoride copolymers. F. G. Pearson. 2,460,844, Feb. 8.
- Acrylonitrile-vinylpyridine copolymers. H. W. Arnold. 2,491,471, Dec. 20.
- Action-locking means for self-loading firearms. H. H. Sefried, II. 2,491,218, Dec. 13.
- Activated carbon, Manufacture of. W. Prosk. 2,486,205, Oct. 25.
- Activating acid activatable clays. W. W. Gary. 2,464,127, Mar. 8.
- Activating kaolin clay. G. A. Mills. 2,477,639, Aug. 2.
- Activation of catalytic metal screens. E. H. Carter and L. E. Sartain. 2,482,742, Sept. 27.
- Activation of cellulose for acylation. W. B. Hincke and C. J. Malm. 2,478,396, Aug. 9.
- Activation of cellulose for acylation. W. B. Hincke and G. A. Richter. 2,490,754, Dec. 6.
- Activator, Coal. F. Elkan. 2,479,561, Aug. 23.
- Activator for rubber accelerator. C. R. Johnson. 2,462,832, Mar. 1.
- Actuated vibrator, Electromagnetically. H. J. Sevigny. 2,482,033, Sept. 13.
- Actuating and control unit. C. L. Grau. 2,464,389, Mar. 15.
- Actuating device. C. F. Hammann. 2,477,599, Aug. 2.
- Actuating device for egg beaters. T. K. Lewis. 2,483,497, Oct. 4.
- Actuating device for sliding vehicle beds. E. Lisota. 2,468,502, Apr. 26.
- Actuating electrical switches. T. A. Stiffel. 2,459,898, Jan. 25.
- Actuating means for marionettes, puppets, and the like. C. U. Deaton. 2,466,214, Apr. 5.
- Actuating means for rail lubricating pumps. S. E. Bates. 2,490,334, Dec. 6.
- Actuating means for simulated radio compass on aviation trainers. F. O. Ibsich. 2,470,101, May 17.
- Actuating mechanism applicable to vehicle brakes. H. Shelton. 2,477,468, July 26.
- Actuating mechanism, Exhaust nozzle. R. H. Cole. 2,483,401, Oct. 4.
- Actuating mechanism for artificial hands. E. W. Hobbs. 2,464,577, Mar. 15.
- Actuating mechanism for enclosed switches. R. N. Rowe. 2,475,338, July 5.
- Actuating mechanism for retractable landing gear, doors, flaps, and the like of airplanes. B. N. Ashton. 2,486,242, Oct. 25.
- Actuating mechanism for velocipedes. R. E. Sheldon. 2,474,870, July 5.
- Actuating member, Adjustable. W. E. Parish. 2,469,570, May 10.
- Actuator. P. G. Frerer. 2,490,040, Dec. 6.
- Actuator. L. Ochtmann. 2,465,601, Mar. 29.
- Actuator, Adjustable variable slide. R. W. Brown. 2,484,874, Oct. 18.
- Actuator, Air operated. J. Neuroth. 2,471,579, May 31.
- Actuator and lock nut, Hydraulic. A. E. Kremiller. 2,479,169, Aug. 16.
- Actuator, Antifriction screw and nut. C. H. Mort and C. W. Mapes. 2,486,055, Oct. 25.
- Actuator, Brake. W. H. Miller. 2,485,759, Oct. 25.
- Actuator control. C. J. Werner. 2,482,568, Sept. 20.
- Actuator, Control servo unit-hydraulic. W. D. Teague, Jr. 2,490,174, Dec. 6.
- Actuator controlling means for calculating machines. E. F. Britten, Jr. 2,472,564, June 7.
- Actuator device, Unitary mechanical. W. P. Lear. 2,469,269, May 3.
- Actuator, Fluid pressure. E. R. Fitch. 2,478,575, Aug. 9.
- Actuator for containers, Closure. R. J. Byrd. 2,477,719, Aug. 2.
- Actuator for dirigible wheels. S. I. MacDuff. 2,492,649, Dec. 27.
- Actuator for power-operated tools, Switch. H. T. Bright. 2,487,093, Nov. 8.
- Actuator for toy cash registers, Target release. F. W. Hardick. 2,458,850, Jan. 11.
- Actuator, Key-operated differential. J. Carlsen. 2,472,519, June 7.
- Actuator, Machine tool chuck. F. H. Bogart. 2,476,693, July 19.
- Actuator, Machine tool chuck. F. M. Tomlinson. 2,476,781, July 19.
- Actuator mechanism. P. P. Teal. 2,468,002, Apr. 19.
- Actuator, Pressure responsive switch. I. J. Reed. 2,475,404, July 5.
- Actuator, Safety inside vehicle door latch. A. S. Martin. 2,488,635, Nov. 22.
- Actuator, Screw and nut. R. G. Le Tourneau. 2,481,129, Sept. 6.
- Actuator, Screw and nut bed. W. E. Peery. 2,481,477, Sept. 6.
- Actuator suit, Electric motor operated. H. J. Maginniss. 2,478,701, Aug. 9.
- Actuator system. B. A. Wells. 2,491,842, Dec. 20.
- Actuator, Thermally responsive. C. H. Rockwood. 2,464,943, Mar. 22.
- Actuator, Tong. J. H. Edwards. 2,488,080, Nov. 15.
- Acyldiamino-N-substituted amides. P. G. Bird. 2,486,249, Oct. 25.
- Acyldiaminyl-guanidines, Forming. D. E. Nagy. 2,481,526, Sept. 13.
- Acyl derivatives of diaminodiphenylsulfone and preparation thereof. R. S. Gubner. 2,482,169, Sept. 20.
- Acyldiaminylthioureas, Preparation of. R. L. Sperry. 2,463,819, Mar. 8.
- Acyl halides, Preparation of. D. C. Hull. 2,475,966, July 12.

- Acyl-nitroarylates, Preparation of. R. P. Parker, R. F. Reeves, and R. C. Conn. 2,459,002, Jan. 11.
- Acyl polyalkylene-polyamine biguanides. F. J. Gajewski. 2,483,969, Oct. 4.
- Acyl thiophenes, Preparation of. H. D. Hartough and A. I. Kosak. 2,478,484, Aug. 9.
- Acylated amino esters, Preparation of. S. M. McElvain and G. J. Stork. 2,463,989, Mar. 8.
- Acylated suberates and azelates. H. A. Bruson and H. R. Raterink. 2,466,678, Apr. 12.
- Acylating amines. W. P. Utermohlen, Jr. 2,472,633, June 7.
- Acylating furan. H. D. Hartough and A. I. Kosak. 2,460,822, Feb. 8.
- Acylating furan. H. D. Hartough and A. I. Kosak. 2,460,825, Feb. 8.
- Acylating furans. H. D. Hartough and A. I. Kosak. 2,460,823-4, Feb. 8.
- Acylating thiophene. A. I. Kosak and H. D. Hartough. 2,457,825, Jan. 4.
- Acylating thiophene with silica-alumina catalyst. A. I. Kosak and H. D. Hartough. 2,458,519, Jan. 11.
- Acylating thiophene with silica-hydrous metallic oxide catalyst. A. I. Kosak and H. D. Hartough. 2,458,521, Jan. 11.
- Acylation of aromatic alkoxy compounds. A. I. Kosak and H. D. Hartough. 2,468,762, May 3.
- Acylation of dichlorothiophene. H. D. Hartough and A. I. Kosak. 2,484,706, Oct. 11.
- Acylation of thiophene. H. D. Hartough and A. I. Kosak. 2,458,512, Jan. 11.
- Acylation of thiophene. H. D. Hartough and A. I. Kosak. 2,458,513, Jan. 11.
- Acylation of thiophene. H. D. Hartough and A. I. Kosak. 2,492,629, Dec. 27.
- Acylation of thiophene. A. I. Kosak and H. D. Hartough. 2,458,520, Jan. 11.
- Acylation of thiophene with boron trifluoride catalyst. H. D. Hartough, S. J. Lukasiewicz, and A. I. Kosak. 2,492,630, Dec. 27.
- Acylation with enol esters. W. M. Quattlebaum, Jr., and C. A. Noffsinger. 2,466,737, Apr. 12.
- Acylation with enol esters. W. M. Quattlebaum, Jr., and C. A. Noffsinger. 2,467,095, Apr. 12.
- Acyloxy-carboxylic acids and salts thereof, Manufacture of. R. H. Lock and L. H. Adcock. 2,465,892, Mar. 29.
- Adapter. L. C. Carlson. 2,473,051, June 14.
- Adapter. E. E. Granger. 2,492,475, Dec. 27.
- Adapter. L. G. Lawrence. 2,481,027, Sept. 6.
- Adapter and bobbin, Spindle. T. L. Davies. 2,485,959, Oct. 25.
- Adapter and holding means for picture film transparencies of different frame sizes in projecting apparatus. A. S. Pratt. 2,477,896, Aug. 2.
- Adapter assembly, Spark plug. A. J. Battey. 2,467,004, Apr. 12.
- Adapter, Collet. E. Hull. 2,478,195, Aug. 9.
- Adapter, Combination cutter and pilot. D. A. Wright. 2,479,660, Aug. 23.
- Adapter, Core covering spindle. E. G. Egge. 2,488,971, Nov. 22.
- Adapter coupling. L. H. Graue. 2,466,097, Apr. 5.
- Adapter for boring bars. A. H. Davis. 2,459,416, Jan. 18.
- Adapter for converting kerosene lamps into electric lamps. J. N. Bailey. 2,469,491, May 10.
- Adapter for dissimilar fittings. R. W. Phillips. 2,489,928, Nov. 29.
- Adapter for fluorescent lamp sockets. W. R. Young. 2,483,165, Sept. 27.
- Adapter for guns. W. Summerbell. 2,482,808, Sept. 27.
- Adapter for motion-picture projectors, Three-dimensional. R. V. Bernier. 2,478,891, Aug. 16.
- Adapter for pliers. N. B. Hansen. 2,474,940, July 5.
- Adapter for scale tickets. W. E. Clements. 2,482,726, Sept. 20.
- Adapter for sealing-in machines. C. R. Cowley. 2,484,688, Oct. 11.
- Adapter for stereopictures, Camera. L. F. Campbell. 2,458,466, Jan. 4.
- Adapter for wall sockets. L. Schott. 2,491,586, Dec. 20.
- Adapter for women's galoshes. N. A. Dodge. 2,489,018, Nov. 22.
- Adapter, Fuse tube. A. G. Steinmayer. 2,484,970, Oct. 18.
- Adapter, Machine-tool. F. E. Niederhiser. 2,483,662, Oct. 4.
- Adapter, Phase. C. A. Helber. 2,480,576, Aug. 30.
- Adapter, Photographic film pack. A. E. Little. 2,460,994, Feb. 8.
- Adapter, Precision expanding. F. I. Ernest. 2,469,873, May 10.
- Adapter, Remote-control. R. C. Hopgood. 2,484,092, Oct. 11.
- Adapter, Safety window lock. W. E. Frietsche. 2,469,551, May 10.
- Adapter, Spindle. K. A. Gelpke. 2,463,484, Mar. 1.
- Adapter, Sprocket. R. A. Suthann. 2,466,975, Apr. 12.
- Adapter, Turning and threading. R. Williamson, and J. H. Bishop. 2,491,538, Dec. 20.
- Adapter, Water meter reducing. M. T. Bullock. 2,461,516, Feb. 15.
- Adaptor, Seal. F. E. Payne. 2,462,280, Feb. 22.
- Addendum copolymer, Preparation of. H. L. Gerhart. 2,479,486, Aug. 16.
- Adding device. M. Sieradzki. 2,462,338, Feb. 22.
- Addition agent for gasoline. J. G. McNab and H. W. Rudel. 2,469,737, May 10.
- Addition agents for mineral oil lubricants. T. L. Cantrell and H. G. Smith. 2,472,517-18, June 7.
- Addition agents for mineral oil lubricants. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,472,552, June 7.
- Addition of carbon monoxide-hydrogen to unsaturated compounds. R. N. Shiras. 2,490,283, Dec. 6.
- Addition of chlorinated acetic acid derivatives to olefins. M. S. Kharasch and W. H. Urry. 2,471,570, May 31.
- Addition product of 1,3 butadiene and furfural, Preparing an. G. Herbolsheimer. 2,483,903, Oct. 4.
- Addition products of carbon bisulfide and amino-methylene-naphthols. A. F. Hardman. 2,484,621, Oct. 11.
- Additive for motor fuels. J. L. Volz and K. J. Korpi. 2,477,220, July 26.
- Additives and preparation thereof, Lube oil. E. Lieber and A. F. Cashman. 2,483,499, Oct. 4.
- Adduct of butadiene sulfone and bromotrichloromethane and process of partial dehalogenation thereof. M. S. Kharasch. 2,482,088, Sept. 20.
- Adducts of unsaturated acids with cyclic polymers of hexadienes and their production and utilization. R. C. Morris and J. L. Van Winkle. 2,468,769, May 3.
- Adenylic and thio-adenylic acid, Preparation of. S. L. Ruskin. 2,482,069, Sept. 13.
- Adhering machine, Wood. J. W. Jones, Jr. 2,472,708, June 7.
- Adhesion of rubber to fibrous materials. F. S. Perkerson. 2,486,720, Nov. 1.
- Adhesive and bonding process, Waterproof. G. V. Caesar, J. V. Bauer, and D. M. Hawley. 2,463,148, Mar. 1.
- Adhesive and coating composition. F. B. Speyer. 2,461,704, Feb. 15.
- Adhesive bandage and method and apparatus for making the same. C. B. Stenvall. 2,476,924, July 19.
- Adhesive composition. A. L. Fox. 2,481,100, Sept. 6.
- Adhesive composition comprising an aqueous dispersion of polyvinyl acetate and pine. N. G. Tompkins. Re. 23,164, Nov. 1.
- Adhesive composition containing an isobutene-diolefin rubbery copolymer and a resin occurring in Utah resin-bearing coal. L. J. Radi. 2,461,552, Feb. 15.
- Adhesive composition containing polychloroprene rubber and a resin occurring in Utah resin-bearing coal. L. J. Radi. 2,461,553, Feb. 15.
- Adhesive composition for paper. L. C. Wooster and E. E. Gardiner. 2,489,170, Nov. 22.
- Adhesive composition, Remoistening. F. W. Humphner. 2,468,443, Apr. 26.
- Adhesive compositions. M. E. Cupery. 2,487,223, Nov. 8.
- Adhesive compositions. R. E. Kent and A. Stockfleth. 2,480,295, Aug. 30.
- Adhesive compositions. J. E. Moose. 2,479,130, Aug. 16.
- Adhesive compositions. L. M. Perry. 2,462,029, Feb. 15.
- Adhesive compositions and adhesive sheets. G. W. Yule. 2,463,452, Mar. 1.
- Adhesive compress. E. M. Campbell. 2,469,064, May 3.
- Adhesive containing sodium salt of carboxymethylcellulose and urea or melamine formaldehyde. C. H. Schmidt. 2,487,766, Nov. 8.
- Adhesive from cereal flour, Preparing an. C. C. Kesler and W. L. Hicks. 2,466,172, Apr. 5.
- Adhesive, Pressure sensitive. H. J. Wing. 2,484,060, Oct. 11.
- Adhesive sheet material, Composite pressure-sensitive. H. N. Homeyer, Jr. 2,458,166, Jan. 4.
- Adhesive sheeting, Making pressure-sensitive. W. J. Mohr. 2,477,196, July 26.
- Adhesive tape and composition therefor. J. B. Martin. 2,484,416, Oct. 11.
- Adhesive tape cutter. F. M. Becker. 2,484,673, Oct. 11.
- Adhesive tape, Pressure-sensitive. C. J. Ebel and R. G. Drew. 2,484,938, Oct. 18.
- Adhesive transfer tape dispenser. K. J. Ptasnik. 2,487,061, Nov. 8.
- Adhesives, Pressure sensitive. F. K. Watson and P. Arthur, Jr. 2,485,248, Oct. 18.
- Adhesivity of bitumens for mineral aggregates. F. C. Gzinski. 2,478,411, July 19.
- Adjustable action fishing rod. J. D. Rossi. 2,478,131, Aug. 2.
- Adjustable automobile seat. L. B. Rivard and R. J. McCarthy. 2,469,243, May 3.
- Adjustable beam lamp. H. L. and O. C. Kindorf. 2,470,991, May 24.
- Adjustable beam light. E. C. de la Parra. 2,463,361, Mar. 1.
- Adjustable bed frame. A. Lorenz. 2,468,765, May 3.
- Adjustable boring bar. A. H. Davis. 2,490,117, Dec. 6.
- Adjustable by-pass check valve. M. J. Barker. 2,480,108, Aug. 30.
- Adjustable cam mechanism. G. F. Daly. 2,475,311, July 5.
- Adjustable cap. R. T. Kriebel. 2,458,275, Jan. 4.
- Adjustable chair. K. K. Kissell. 2,487,880, Nov. 15.
- Adjustable clamp. A. A. Radtke. 2,461,234, Feb. 8.
- Adjustable clothes hanger. E. W. Simmet. 2,491,836, Dec. 20.
- Adjustable coat hanger. J. W. Hopkins and E. L. Brinker. 2,477,873, Aug. 2.
- Adjustable comfort chair. C. J. J. Kuebler. 2,486,716, Nov. 1.

- Adjustable cutting and marking die. G. S. Bostock and T. G. Sharples. 2,470,135, May 17.
- Adjustable duplex tip holder. H. A. Huff, Jr., and R. M. Rooke. 2,483,730, Oct. 4.
- Adjustable earpiece support. G. H. White. 2,474,135, June 21.
- Adjustable fishing reel seat. C. H. Matson. 2,479,952, Aug. 23.
- Adjustable gauge wheel support. J. M. Bowen. 2,487,847, Nov. 15.
- Adjustable hitch clamp. E. Wilcox, Jr. 2,474,078, June 21.
- Adjustable lamp bracket. J. May. 2,466,722, Apr. 12.
- Adjustable lamp support. E. H. Greppin. 2,490,125, Dec. 6.
- Adjustable lamp support. W. A. Landrum. 2,489,650, Nov. 29.
- Adjustable limit switch. D. W. Johnson. 2,474,945, July 5.
- Adjustable load support. I. Fiori and F. J. Mugnai. 2,476,850, July 19.
- Adjustable mirror support. E. T. Mosby. 2,488,316, Nov. 15.
- Adjustable mooring cable. K. L. Peck and R. F. Balmer. 2,472,026, May 31.
- Adjustable multicolored light filter. R. C. Johnston. 2,460,507, Feb. 1.
- Adjustable power coupling. L. M. Tint. 2,478,953, Aug. 16.
- Adjustable pump rod. W. P. Munk. 2,465,600, Mar. 29.
- Adjustable rack slide bearing. R. M. Wilson. 2,467,066, Apr. 12.
- Adjustable ratchet wrench. A. E. Norman. 2,471,537, May 31.
- Adjustable reading stand. L. L. Fuller. 2,480,233, Aug. 30.
- Adjustable rocking chair. L. Larsen and E. P. Klar. 2,478,112, Aug. 2.
- Adjustable roll mounting. D. L. Mercer. 2,481,138, Sept. 6.
- Adjustable sash spring. J. G. Hesseltine. 2,481,592, Sept. 13.
- Adjustable saw gauge. W. H. Cummins. 2,492,686, Dec. 27.
- Adjustable sawing machine table. N. O. Turner. 2,465,000, Mar. 22.
- Adjustable screen. H. E. Becker. 2,485,183, Oct. 18.
- Adjustable seat bracket. O. O. Torrey. 2,480,310, Aug. 30.
- Adjustable shelf bracket. L. A. Douglas. 2,483,758, Oct. 4.
- Adjustable soldering iron. A. T. Foster. 2,459,371, Jan. 18.
- Adjustable spacer bar. R. J. Moths. 2,461,996, Feb. 15.
- Adjustable steering wheel. R. B. Finley. 2,464,856, Mar. 22.
- Adjustable support. O. H. Wofford. 2,489,553, Nov. 29.
- Adjustable wave guide joint. W. Aron and F. E. Ehlers. 2,463,347, Mar. 1.
- Adjustable window screen. W. L. Lukaszewicz. 2,486,568, Nov. 1.
- Adjustable work support. H. E. Elliott and J. W. Pratt. 2,477,052, July 26.
- Adjuster, Automatic brake shoe. J. H. Pratt and G. E. Manley. 2,492,237, Dec. 27.
- Adjuster, Brake. F. R. Ensinger and E. W. Stults. 2,463,092, Mar. 1.
- Adjuster, Cord. C. F. Surface. 2,465,132, Mar. 22.
- Adjuster for windshield wipers, Tension. N. Borsuk. 2,481,192, Sept. 6.
- Adjuster, Hydraulic cam. C. C. Moore and C. F. King, Jr. 2,459,713, Jan. 18.
- Adjuster of rear wheels of cycles, Chain and axle. J. C. Simpson. 2,475,806, July 12.
- Adjuster, Slack. E. J. Simanek. 2,468,707, Apr. 26.
- Adjuster, Slack. F. T. Ward. 2,478,142, Aug. 2.
- Adjusting and control device. L. Spraragen. 2,475,159, July 5.
- Adjusting and holding means for rotary disk tools and the like. A. E. Spindt. 2,458,216, Jan. 4.
- Adjusting apparatus for spring mechanism. R. W. Pashby. 2,490,741, Dec. 6.
- Adjusting connection, Implement. O. W. Oerman. 2,485,651, Oct. 25.
- Adjusting device. R. A. Shuttlesworth. 2,479,591, Aug. 23.
- Adjusting device, Diamond polishing. M. J. Lelman. 2,484,574, Oct. 11.
- Adjusting device for brake shoes of expander brakes. S. Jenkins. 2,490,135, Dec. 6.
- Adjusting device for pipe wrenches, Jaw. R. A. Conn. 2,473,787, June 21.
- Adjusting device, Height. F. Grimm. 2,476,366, July 19.
- Adjusting device, Pressure. M. Caserta. 2,477,720, Aug. 2.
- Adjusting device, Watch movement beat. H. Line. 2,482,351, Sept. 20.
- Adjusting means for agricultural implements. W. J. Coultas. 2,477,687, Aug. 2.
- Adjusting means for carriage type door control hinges. A. J. Swanson. 2,469,447, May 10.
- Adjusting means for gluing machines. R. A. Page. 2,459,091, Jan. 11.
- Adjusting means for rotatable marking heads. R. E. J. Nordquist. 2,466,732, Apr. 12.
- Adjusting means for spring balances. A. Larson. 2,477,069, July 26.
- Adjusting means for stationary jaws of duplex crushers. R. H. Waters. 2,487,744, Nov. 8.
- Adjusting mechanism between brake shaft and lever. K. B. MacDougall. 2,481,319, Sept. 6.
- Adjusting mechanism for cameras, Focus. J. W. Gillon and G. A. Haraden. 2,475,956, July 12.
- Adjusting mechanism, Pump and stroke. H. J. Anderson and M. V. Hartman. 2,458,821, Jan. 11.
- Adjusting shim for a relay, Wear. H. B. Smith. 2,484,251, Oct. 11.
- Adjusting spring mechanisms. R. W. Pashby. 2,490,320, Dec. 6.
- Adjustment device, Mannikin. J. Prisco. 2,458,917, Jan. 11.
- Adjustment for boring bar tools. E. Anderson. 2,484,480, Oct. 11.
- Adjustment for industrial trucks, Fork. F. A. Vossenbergh. 2,483,745, Oct. 4.
- Adjustment means for engine indicators. D. K. Morrison. 2,476,315, July 19.
- Adjustment means for optical components of projection television receivers. C. E. Cady. 2,467,185, Apr. 12.
- Adjustment mechanism, Automatic self-centering brake wear. F. B. Buffington. 2,476,237, July 12.
- Adjustment mechanism for fluid meters. W. F. Berck. 2,482,645, Sept. 20.
- Admissions indicator. S. S. Miller. 2,487,463, Nov. 8.
- Adsorption process, Continuous. W. H. Claussen and W. H. Shiffer. 2,470,339, May 17.
- Advancing reel. W. G. Esmond. 2,459,270, Jan. 18.
- Advertising device, Electrically illuminated. G. H. Rufe. 2,471,902, May 31.
- Advertising device for containers. E. G. Stanton. 2,461,244, Feb. 8.
- Advertising device rotated by heat motors. L. Casper. 2,466,003, Apr. 5.
- Advertising sign. I. W. Fuller. 2,480,408, Aug. 30.
- Advertising sign and display device with rotary drum. E. F. Gerber. 2,482,475, Sept. 20.
- Aerating device for minnow buckets and the like. M. Blicker and A. M. Blankinship. 2,466,570, Apr. 5.
- Aerator. E. C. Lathrop and S. I. Aronovsky. 2,461,746, Feb. 15.
- Aerator and dispenser, Liquid. E. J. Miller. 2,492,309, Dec. 27.
- Aerator Soil. M. D. Ravine. 2,477,204, July 26.
- Aereo-stereo device. R. H. Ranger. 2,477,007, July 26.
- Aerial for use on vehicles, Radio. C. M. Carington, G. W. Shoobert, and W. J. Pickett. 2,491,713, Dec. 20.
- Aerial mounting. M. Cohn. 2,482,575, Sept. 20.
- Aerial signal. J. B. Decker. 2,459,687, Jan. 18.
- Aerobic organisms, Growing. R. S. Hatch and R. N. Hammond. 2,482,908, Sept. 27.
- Aerochemical device. F. Short. 2,470,793, May 24.
- Aerodynamic air cleaner. H. J. Burke. 2,465,430, Mar. 29.
- Aerodynamic impelling device. J. S. Sharpe. 2,468,787, May 3.
- Aerodynamic propelling means operating through direct reaction jet and scavenging. R. J. Imbert and M. H. L. Sedille. 2,458,600, Jan. 11.
- Aerogenerator. P. H. Thomas. 2,470,797, May 24.
- Ageing alcoholic liquors in bottles. H. A. Rudnick. 2,487,594, Nov. 8.
- Agents for silver bleach solutions, Antistain. H. C. Harsh and J. E. Bates. 2,476,544, July 19.
- Aggregate and making, Lightweight coated. V. E. Watts. 2,463,927, Mar. 8.
- Aggregate for improving Portland cement concretes. B. H. Wait. 2,458,039, Jan. 4.
- Aggregates, Making. E. H. Nicols and R. M. Beyard. 2,463,994, Mar. 8.
- Aggregates, Producing light weight. H. D. Foster. 2,478,757, Aug. 9.
- Aging alkali cellulose. S. E. Seaman and R. P. King. 2,490,097, Dec. 6.
- Agitating device. D. S. Stevens. 2,458,313, Jan. 4.
- Agitator, Dice. B. W. Stallard. 2,462,686, Feb. 22.
- Agitator for apparatus subjecting liquid to electrical potential between electrodes, Automatic. H. L. Gordon. 2,470,741, May 17.
- Agitator for electric refrigerators. W. S. Hurley and E. M. Jones. 2,468,444, Apr. 26.
- Agitator for screens, Reciprocating. B. B. Hazard. 2,490,520, Dec. 6.
- Agitator for washing machines. W. F. Blake. 2,490,942, Dec. 13.
- Agitator, Photographic. C. L. Gay. 2,480,236, Aug. 30.
- Agitator, Washing machine. N. L. Eiten. 2,482,253, Sept. 20.
- Agricultural implement hitch structure. C. G. Strandlund. 2,483,565, Oct. 4.
- Agricultural machine, Automatic control. F. Boncompain. 2,484,069, Oct. 11.
- Aid for velocipedes, Propulsion. C. W. Simpson. 2,484,472, Oct. 11.
- Aiding device for self-propelled vehicles, Traction. R. F. MacKay. 2,458,522, Jan. 11.
- Alm indicator. R. M. McQuitty. 2,461,122, Feb. 8.
- Aiming and fire control system. R. S. Whitlock. 2,472,136, June 7.
- Aiming system, Gun. R. Battaglini. 2,474,813, July 5.

- Air and combustion gas flow in turbine power plant, Compressed. R. Birmann. 2,477,683, Aug. 2.
- Air and gas supply means for burners, Primary. H. M. Reeves. 2,474,957, July 5.
- Air and land conveyance, Convertible. H. D. and H. J. Boggs. 2,462,462, Feb. 22.
- Air bag extractor. E. C. Kastner. 2,477,301, July 26.
- Air blower and drying appliance, Quick heat. L. A. Bergeron. 2,478,559, Aug. 9.
- Air-borne particle collector and estimating the solids in air strata. J. H. Black. 2,468,021, Apr. 26.
- Air brake. E. C. Vroman. 2,491,344, Dec. 13.
- Air brake reservoir bleed means. R. K. Biery. 2,466,836, Apr. 12.
- Airbrush. J. A. Paasche. 2,460,529, Feb. 1.
- Air changer. C. E. Young. 2,483,377, Sept. 27.
- Air charger. A. W. Burks. 2,457,863, Jan. 4.
- Air charging control. A. E. Le Van. 2,479,012, Aug. 16.
- Air circulating device. C. W. Towt. 2,481,702, Sept. 13.
- Air cleaner. F. J. Dohrer. 2,478,466, Aug. 9.
- Air cleaner. J. L. Dyke. 2,487,115, Nov. 8.
- Air cleaner. W. K. Gregory. 2,490,959, Dec. 13.
- Air cleaner. E. N. Jacobi. 2,459,428, Jan. 18.
- Air cleaner. R. Lopez and B. Allen. 2,474,746, June 28.
- Air cleaner. M. Mallory. 2,483,588, Oct. 4.
- Air cleaner. A. J. McAllister and J. J. Dreznes. 2,482,679, Sept. 20.
- Air cleaner. L. W. Newberry. 2,480,379, Aug. 30.
- Air cleaner. E. Psikal. 2,461,395, Feb. 8.
- Air cleaner. J. B. and F. Sebok. 2,458,745, Jan. 11.
- Air cleaner and deflector therefor. W. H. Zelinski. 2,492,083, Dec. 20.
- Air cleaner for flat knitting machines. L. Imbriani. 2,482,670, Sept. 20.
- Air cleaning apparatus. W. Trubenbach. 2,467,346, Apr. 12.
- Air compressor. C. D. MacCracken. Re. 23,126, June 21.
- Air compressor, Spherical. O. N. Davis. 2,482,325, Sept. 20.
- Air-conditioned vehicle. H. L. Spencer. 2,476,435, July 19.
- Air conditioner. W. E. Burgess. 2,469,259, May 3.
- Air conditioner, Automatically controlled. G. L. Mendenhall, A. C. Moore, and J. A. Mendenhall. 2,488,636, Nov. 22.
- Air conditioner having condensate removal means. E. L. Hart. 2,485,733, Oct. 25.
- Air conditioning. S. W. E. Andersson. 2,469,142, May 3.
- Air conditioning. S. W. E. Andersson. 2,486,908, Nov. 1.
- Air conditioning. R. M. Bufington. 2,480,544, Aug. 30.
- Air conditioning and auxiliary drive system, Gas turbine driven. H. J. Wood. 2,491,462, Dec. 13.
- Air conditioning and heating means. A. C. Peterson. 2,481,149, Sept. 6.
- Air-conditioning and pressurizing system for aircraft. P. Pevney. 2,466,779, Apr. 12.
- Air conditioning apparatus. E. J. Cantin. 2,489,618, Nov. 29.
- Air conditioning apparatus. A. H. Eberhart. 2,488,589, Nov. 22.
- Air-conditioning apparatus. W. L. Fleisher. 2,459,802, Jan. 25.
- Air conditioning apparatus. J. Harris. 2,486,472, Nov. 1.
- Air conditioning apparatus. G. A. Kelley. 2,479,936, Aug. 23.
- Air conditioning apparatus. N. A. Pennington. 2,464,766, Mar. 15.
- Air conditioning apparatus. J. Sanchis. 2,480,306, Aug. 30.
- Air conditioning apparatus. A. A. Soderman. 2,483,509, Oct. 4.
- Air-conditioning apparatus. J. H. Sweeney. 2,489,205, Nov. 22.
- Air conditioning apparatus. A. Trask. 2,486,226, Oct. 25.
- Air-conditioning apparatus and system. F. W. Schlachter. 2,488,333, Nov. 15.
- Air conditioning apparatus for cooling or heating. C. S. Cody. 2,466,883, Apr. 5.
- Air conditioning apparatus for mounting in windows. E. S. Dybrig. 2,486,828, Nov. 1.
- Air conditioning apparatus including a sterilizing means. L. M. Berryman. 2,472,243, June 7.
- Air conditioning apparatus, Motor vehicle. R. F. Roper. 2,480,510, Aug. 30.
- Air-conditioning apparatus, Tower-type. M. E. Collis. 2,480,286, Aug. 30.
- Air-conditioning apparatus with defrosting means. C. L. Ringquist and R. G. Miner. 2,481,348, Sept. 6.
- Air conditioning device for beds. O. Mitchell. 2,461,432, Feb. 8.
- Air conditioning device, Personal body. W. R. Appeldoorn. 2,460,269, Feb. 1.
- Air conditioning system. F. O. Anderegg. 2,478,617, Aug. 9.
- Air conditioning system. W. F. Mayer. 2,473,496, June 14.
- Air-conditioning system. G. W. Meek. 2,492,757, Dec. 27.
- Air conditioning system. O. O. Oaks. 2,475,853, July 12.
- Air conditioning system. W. W. Paget. 2,477,525, July 26.
- Air conditioning system. I. J. Reilly. 2,477,823, Aug. 2.
- Air conditioning system and register. R. L. Leigh. 2,483,704, Oct. 4.
- Air conditioning unit. F. M. Jones. 2,475,841, July 12.
- Air-conditioning unit. T. H. Sarchet. 2,481,625, Sept. 13.
- Air conditioning unit for mounting in windows. I. H. Cohler. 2,472,792, June 14.
- Air control for tubular combustion chambers of oil burners. J. A. Logan. 2,485,207, Oct. 18.
- Air control means for relooping machines. W. O. Runcie. 2,492,008, Dec. 20.
- Air-cooled block. N. H. Nye. 2,481,944, Sept. 13.
- Air-cooled buffing wheel. C. J. Kummer. 2,479,941, Aug. 23.
- Air-cooled generator. H. G. Haas. 2,479,233, Aug. 16.
- Aircraft. E. F. Andrews. 2,487,405, Nov. 8.
- Aircraft. P. E. Mercier. 2,477,637, Aug. 2.
- Aircraft. P. L. Shultz. 2,479,976, Aug. 23.
- Aircraft and undercarriage therefor. H. L. Bowers. 2,463,351, Mar. 1.
- Aircraft antenna system. A. E. Wilde, Jr. 2,490,330, Dec. 6.
- Aircraft arresting apparatus. A. B. Schultz. 2,483,655, Oct. 4.
- Aircraft bank and turn control system. C. G. Nyman. 2,472,918, June 14.
- Aircraft body and wing arrangement. B. N. Wallis. 2,459,009, Jan. 11.
- Aircraft control. R. A. Kaiser. 2,463,181, Mar. 1.
- Aircraft control. R. J. White. 2,467,795, Apr. 19.
- Aircraft control apparatus. R. J. Kutzler and T. J. Wilson. 2,471,821, May 31.
- Aircraft control means. H. A. Sutton and R. Evers. 2,492,245, Dec. 27.
- Aircraft control, Rotative winged. H. F. Pitcairn. 2,473,299, June 14.
- Aircraft control system. A. G. Parker. 2,471,283, May 24.
- Aircraft cooling by air driven turbine means. H. J. Wood. 2,479,991, Aug. 23.
- Aircraft drift angle indicator. R. L. Freas. 2,478,866, Aug. 9.
- Aircraft flight simulation projection device. L. E. Barton. 2,466,758, Apr. 12.
- Aircraft, Fluid propelled and controlled. C. A. Neumann and H. H. Baca. 2,461,435, Feb. 8.
- Aircraft fuselage construction. C. E. Sorensen and L. C. Miller. 2,472,317, June 7.
- Aircraft glide path indicator. A. D. Baylor. 2,475,123, July 5.
- Aircraft gun position indicator. S. J. Goldberg. 2,466,985, Apr. 12.
- Aircraft gunnery practice range. F. S. Poorman. 2,457,832, Jan. 4.
- Aircraft having extensible landing gear positionable for horizontal and vertical take-off. C. H. Zimmerman. 2,481,379, Sept. 6.
- Aircraft instrument. H. B. Maris. 2,480,867, Sept. 6.
- Aircraft instrument indicator. I. Wolff. 2,475,212, July 5.
- Aircraft, Jet-propelled. J. L. Haight, Jr. 2,470,348, May 17.
- Aircraft landing apparatus. J. H. Brodie. 2,488,051, Nov. 15.
- Aircraft landing gear. C. R. Livermon. 2,461,288, Feb. 8.
- Aircraft landing gear. E. F. Paxhia and G. M. Cash. 2,478,705, Aug. 9.
- Aircraft landing gear. E. E. Suiter. 2,468,790, May 3.
- Aircraft landing system. J. H. Brodie. 2,488,050, Nov. 15.
- Aircraft landing wheel rotating means. H. T. Bean. 2,466,568, Apr. 5.
- Aircraft release device. A. H. Eberman. 2,470,294, May 17.
- Aircraft, Rotary wing. E. A. Stalker. 2,464,726, Mar. 15.
- Aircraft structural limit indicator. W. L. Gray. 2,461,210, Feb. 8.
- Aircraft supercharger lubrication. D. D. Streid. 2,464,063, Mar. 8.
- Aircraft, Tandem wing. T. C. Campbell and E. V. Hall. 2,470,602, May 17.
- Aircraft tubing ratchet wrench. G. M. Gutowski. 2,476,369, July 19.
- Aircraft undercarriage. J. W. Wheeler and H. C. Todd. 2,481,635, Sept. 13.
- Aircraft, Universal cargo. J. S. J. Hlobil. 2,472,947, June 14.
- Aircraft wheel brake. T. Hoffacker, Jr. 2,491,812, Dec. 20.
- Aircraft whose lift is increased by power means. D. K. Warner. 2,469,619, May 10.
- Aircraft wing and manufacture. G. B. Rheinfrank, Jr. 2,482,793, Sept. 27.
- Aircraft wing mounting. A. H. Leonard and J. H. Blandford. 2,461,747, Feb. 15.
- Aircraft wings having boundary layer control. E. A. Stalker. 2,469,902, May 10.
- Aircraft with beating wings and tiltable propellers. G. A. Tuttle. 2,481,799, Sept. 13.
- Aircraft with retractable variable-radius rotary wing. E. F. Andrews. 2,464,285, Mar. 15.
- Air-deodorizing compositions. J. Kamlet. 2,464,043, Mar. 8.
- Air directing means in gun type burners. W. L. Sanborn. 2,473,347, June 14.
- Air distributing unit. H. R. Sewell and R. T. Palmer. 2,463,322, Mar. 1.
- Air distribution control for bridge wall furnaces, Secondary combustion. C. E. Feinberg. 2,471,101, May 24.
- Air duct control. K. L. Babcock. 2,474,455, June 28.

- Air duct moisture relief valve. R. J. Schroeder. 2,487,073, Nov. 8.
- Air entrance grid. W. W. Kennedy. 2,492,294, Dec. 27.
- Air feeder construction, Fireplace. R. H. Carter. 2,470,430, May 17.
- Air filter. A. H. Bahnson, Jr. 2,473,501, June 21.
- Air filter. V. Dahlman. 2,486,520, Nov. 1.
- Air filter. L. Spraragen. 2,463,722-3, Mar. 8.
- Airflow control apparatus for cabin pressurizing and engine supercharging. D. G. Taylor. 2,471,282, May 24.
- Air flow control means. F. Honerkamp and F. J. Kurth. 2,470,488, May 17.
- Air flow inducing system for air-cooled internal-combustion engines. W. A. Clegern. 2,488,174, Nov. 15.
- Airfoil. W. W. Gibson. 2,463,864, Mar. 8.
- Airfoil. J. Gitz and A. Z. Boyajian. 2,483,134, Sept. 27.
- Airfoil and apparatus for creating a thrust or traction effort. H. F. Shannon. 2,487,945, Nov. 15.
- Airfoil, Variable camber. S. Trey. 2,478,793, Aug. 9.
- Airfoils, helicopter blades, leading edges, and the like, Making. R. Mayne and H. L. Hosterman, Jr. 2,490,976, Dec. 13.
- Air freshening system. E. E. Hans. 2,476,295, July 19.
- Air gauge. R. S. Fox. 2,471,737, May 31.
- Air gauge. F. L. Rupley. 2,492,656, Dec. 27.
- Air gauge detecting device. I. W. Douglass. 2,479,606, Aug. 23.
- Air heater. C. M. Osterheld. 2,492,315, Dec. 27.
- Air heater. A. Sololos and S. E. Nelsen. 2,486,501, Nov. 1.
- Air heating and humidifying gas burning furnace. A. E. Miller and W. H. Kellner. 2,487,720, Nov. 8.
- Air-heating system. I. S. Ritter and F. W. Morley. 2,482,735, Sept. 20.
- Air-heating wall furnace. C. M. Rhodehamel. 2,482,369, Sept. 20.
- Airing device. J. Williams. 2,489,472, Nov. 29.
- Air intake means for carburetors. A. G. Abate. 2,489,945, Nov. 29.
- Air intake system of internal-combustion engines. H. Sammons and C. L. Cowdrey. 2,474,068, June 21.
- Air-line gauge. J. H. Marcum. 2,491,385, Dec. 13.
- Air motor of the expansible chamber collapsible wall type. S. W. Nicholson. 2,463,900, Mar. 8.
- Air moving device. G. J. Belter. 2,487,294, Nov. 8.
- Air-operated control apparatus with antihunting compensation. D. P. Eckman. 2,484,557, Oct. 11.
- Air-operated press. U. D. Foster. 2,482,539, Sept. 20.
- Air outlet. W. W. Kennedy. 2,477,619, Aug. 2.
- Airplane. H. A. Manookian. 2,472,856, June 14.
- Airplane. J. F. Rodeck. 2,472,763, June 7.
- Airplane and helicopter sustained aircraft. H. T. Avery. 2,468,913, May 3.
- Airplane cargo carrier. V. E. Belanger and J. Ullian. 2,480,279, Aug. 30.
- Airplane construction. A. J. Buttler. 2,469,591, May 10.
- Airplane construction. C. B. Ferrel. 2,465,581, Mar. 29.
- Airplane control system. F. E. Weick. 2,478,033, Aug. 2.
- Airplane control wheel. H. F. George. 2,491,609, Dec. 20.
- Airplane engine package and packaging the same. J. C. E. Williams. 2,459,400, Jan. 18.
- Airplane engine test cell and lighting therefor. D. H. Tuck. 2,460,045, Jan. 25.
- Airplane, Express container type cargo. H. D. Fowler. 2,476,638, July 19.
- Airplane, Fluid-propelled. R. W. Kangas. 2,468,559, Apr. 26.
- Airplane for safe flying, Separable. D. Weisz. 2,479,655, Aug. 23.
- Airplane gun mount. G. K. Richardson. 2,463,056, Mar. 1.
- Airplane, High-speed, jet-propelled bomber. W. D. van Zelm, T. Gardner, and G. E. Welden. 2,483,027, Sept. 27.
- Airplane landing gear. R. W. Allen. 2,459,737, Jan. 18.
- Airplane landing gear. L. R. Gruss. 2,491,174, Dec. 13.
- Airplane propellers, Making. F. A. Gruetjen. 2,463,101, Mar. 1.
- Airplane propulsion, Electrical. L. A. Kilgore, F. W. Godsey, Jr., B. A. Rose, and F. B. Powers. 2,462,201, Feb. 22.
- Airplane, Roadable. R. E. Fulton, Jr. and O. J. Alvarez. 2,457,884, Jan. 4.
- Airplane wing. R. A. La Pointe. 2,468,883, May 3.
- Airplane wing. S. Trey. 2,478,726, Aug. 9.
- Airplane wing and propulsion means therefor, Channeled. W. R. Custer. 2,476,482, July 19.
- Airplane wing arrangement. P. Barker. 2,461,805, Feb. 15.
- Airplane wing folding mechanism. J. D. Carpenter and R. J. West. 2,468,425, Apr. 26.
- Airplane wing leading edge construction. R. E. Barrick and A. Morison. 2,470,128, May 17.
- Airplane wing with jet propulsion apparatus. R. Morrison. 2,486,967, Nov. 1.
- Airplane with boundary layer control and powered by internal-combustion turbines. J. Lloyd and C. V. Murray. 2,480,036, Aug. 23.
- Airplane with interchangeable cargo holding units, Transport. J. D. Akerman. 2,463,346, Mar. 1.
- Airplane with wing discharge slot, Jet propelled. W. P. Goemhel. 2,479,487, Aug. 16.
- Airplane with wing jet slot. S. Trey. 2,478,725, Aug. 9.
- Airport and airport gateway. W. S. Stone. 2,487,613, Nov. 8.
- Airport runway. R. C. Burt. 2,466,150, Apr. 5.
- Air position indicator. W. H. T. Holden. 2,485,883, Oct. 25.
- Air-pressure differential creating device. J. H. Davis. 2,464,797, Mar. 22.
- Air pressure indicator. H. Peck. 2,481,864, Sept. 13.
- Air pressure indicator. W. V. Varner. 2,475,533, July 5.
- Air pressure switch. C. M. Hathaway. 2,477,801, Aug. 2.
- Air propeller. R. J. Reek. 2,492,653, Dec. 27.
- Air pump. R. J. Uhlin. 2,480,619, Aug. 30.
- Air scoop. F. W. Johnson. 2,465,728, Mar. 29.
- Air scoop for ventilating closed vehicles, Deflecting separator. C. O. Guernsey. 2,476,368, July 19.
- Aircrew. H. T. Avery. 2,475,121, July 5.
- Aircrew, Variable pitch. R. H. Warde. 2,461,791, Feb. 15.
- Air separation method for slurry separation. A. B. Andersen and K. Horn. 2,461,584, Feb. 15.
- Airship. J. L. Jordan. 2,475,786, July 12.
- Airship. S. Trey. 2,478,792, Aug. 9.
- Air suction clutch. H. Blanchette. 2,483,521, Oct. 4.
- Air supply apparatus for cupola furnaces. H. A. Reece. 2,471,776, May 31.
- Air supply control for oil burners, Automatically variable. J. A. Logan. 2,485,206, Oct. 18.
- Air throttle control for internal-combustion engines. L. Newcomb. 2,467,685, Apr. 19.
- Air translating apparatus. G. H. Koch. 2,464,816, Mar. 22.
- Air treating apparatus. C. D. Graham. 2,472,011, May 31.
- Air treatment device, Compressed. W. C. Walters. 2,459,398, Jan. 18.
- Air valve. A. D. Walker and J. E. Drew. 2,488,456, Nov. 15.
- Air valve clamp. F. M. Littell. 2,466,717, Apr. 12.
- Air washer. O. E. Fenn. 2,470,345, May 17.
- Alarm and protector. P. La Porta. 2,468,829, May 3.
- Alarm bell. D. Feldman. 2,486,139, Oct. 25.
- Alarm, Burglar. M. S. Lefcourt. 2,491,987, Dec. 20.
- Alarm, Burglar. P. Walters. 2,486,234, Oct. 25.
- Alarm clock actuated electric switch. M. A. Korabaugh. 2,463,120, Mar. 1.
- Alarm, Darkness. A. H. Lamb. 2,490,639, Dec. 6.
- Alarm device. W. C. Heintz. 2,468,598, Apr. 26.
- Alarm device. W. E. La Pedus. 2,460,133, Jan. 25.
- Alarm device for indicating failure of the paper feed mechanism in teleprinters. R. D. Salmon. 2,480,165, Aug. 30.
- Alarm device for milking machines. A. G. Perkins. Feb. 8.
- Alarm, Display. B. Needelman. 2,474,157, June 21.
- Alarm, Fire. U. S. Fisher. 2,457,881, Jan. 4.
- Alarm, Fire. J. A. Johnston. 2,482,113, Sept. 20.
- Alarm for fire detection. J. Colorado. 2,463,745, Mar. 8.
- Alarm for odometers, Increasing intensity annunciator. M. J. Stevens. 2,467,240, Apr. 12.
- Alarm for windows and doors, Burglar. A. R. Suma, Sr. 2,469,528, May 10.
- Alarm particularly for storage battery electrolytes, Liquid level. R. J. Marcou. 2,470,630, May 17.
- Alarm, Pneumatic tire. F. M. Warnshuis and R. T. Lawrence. 2,463,335, Mar. 1.
- Alarm, Rain. E. H. Wiest, Sr. 2,482,448, Sept. 20.
- Alarm, Shallow-water. P. L. Keating. 2,490,217, Dec. 6.
- Alarm, Shutter. E. O. Wangerin and R. K. Walker. 2,484,436, Oct. 11.
- Alarm signals in a plurality of telephone stations, Broadcast system for producing simultaneous. F. L. Wolf and C. L. Hehr. 2,465,826, Mar. 29.
- Alarm system, Abnormal temperature and ground detector. E. J. Poltras. 2,469,001, May 3.
- Alarm system, Approach. G. F. Robinson. 2,492,182, Dec. 27.
- Alarm system, Burglary or fire. D. Parilla. 2,474,757, June 28.
- Alarm system, Electrical protective. H. M. Laford. 2,492,432, Dec. 27.
- Alarm system, Telephone. R. A. Sears. 2,469,278, May 3.
- Alarm system, Telephone. O. A. Shann. 2,461,241, Feb. 8.
- Alarm, Tire pressure. W. Torrance. 2,460,315, Feb. 1.
- Alarm, Wrist watch. A. B. Christensen. 2,463,087, Mar. 1.
- Album. G. C. Sziklai. 2,465,616, Mar. 29.
- Album, Article holding. L. Geis and R. E. Pope. 2,473,333, June 14.
- Album, Phonograph record. P. L. Andrews. 2,492,026, Dec. 20.
- Alcohol esters, Mercapto. B. H. Shoemaker, C. E. Adams, and W. A. Proell. 2,460,436, Feb. 1.
- Alcohol from hydrolyzed mixtures of alkyl sulfates and sulfuric acid, Distillation of. H. O. Mottern and F. M. Archibald. 2,467,846, Apr. 19.
- Alcohol, Making. H. G. Schneider and V. F. Mistretta. 2,473,224, June 14.
- Alcohol mixed esters, Polyhydric. B. C. Pratt. 2,461,920, Feb. 15.
- Alcohol plasticized with an amine adduct of butadiene cyclic sulfone, Polyvinyl. C. W. Mortenson. 2,460,995, Feb. 8.
- Alcohol process. C. E. Morrell and R. F. Robey. 2,474,588, June 28.
- Alcohol resin and making the same, Furfuryl. E. R. Dillehay and R. D. Schuetz. 2,461,882, Feb. 15.

- Alcohol-soluble phenol-modified coumarone-indene resin. L. M. Geiger. 2,466,889, Apr. 12.
- Alcohol, Unsaturated heterocyclic. N. M. Bortnick. 2,473,497, June 21.
- Alcoholic fermentations in the presence of inorganic adsorbents. L. Wallerstein. 2,476,785, July 19.
- Alcohols and formal, Production of halogenated. T. E. Londergan. 2,461,906, Feb. 15.
- Alcohols and production thereof, Polyallyl type. D. E. Adelson and T. W. Evans. 2,473,124, June 14.
- Alcohols, Catalytic dehydrogenation of. H. G. Schneider and V. F. Mistretta. 2,472,493, June 7.
- Alcohols, Dehydration of. V. N. Ipatieff and G. S. Monroe. 2,478,270, Aug. 9.
- Alcohols, Drying. W. S. W. McCarter. 2,472,912, June 14.
- Alcohols, Manufacture of acetylenic. E. G. Galitzenstein and C. Woolf. 2,488,082, Nov. 15.
- Alcohols, Production of tertiary aliphatic. S. I. Kreps and F. C. Nachod. 2,477,380, July 26.
- Alcoholysis of polyvinyl esters. G. Bowen. 2,464,290, Mar. 15.
- Aldehyde-(phenol-phenol ether reaction products) reaction products and producing them. M. T. Harvey. 2,462,636, Feb. 22.
- Aldehyde - polycyanacetamido - compound condensation products and making same. J. B. Rust. 2,471,243, May 24.
- Aldehydes and derivatives thereof, Producing. B. Gaspar. 2,465,586, Mar. 29.
- Aldehydes and their preparation. G. J. Benoit, Jr. 2,492,614, Dec. 27.
- Aldehydes by steam oxidation of ethers, Preparation of. P. T. Parker. 2,477,312, July 26.
- Alginate containing adhesive compositions. V. V. Vallandigham. 2,477,912, Aug. 2.
- Alginate ice-cream stabilizing composition. A. B. Steiner. 2,485,934, Oct. 25.
- Alginates, Production of fibrous water-soluble. D. E. Clark and A. B. Steiner. 2,477,861, Aug. 2.
- Allylic (secondary) amino alkyl benzoates. A. C. Cope. 2,486,375, Nov. 1.
- Lighting gear. A. P. Fall. 2,473,470, June 14.
- Aligner, Draft tongue and coupler. K. C. and A. B. Clark. 2,488,805, Nov. 22.
- Aligning apparatus, Beam. C. E. Torsch. 2,460,609, Feb. 1.
- Aligning apparatus, Printing form. A. J. Hoerth. 2,470,437, May 17.
- Aligning apparatus, Sheave. W. Pfersick. 2,479,963, Aug. 23.
- Aligning device for tubing. J. E. Loeffler. 2,477,884, Aug. 2.
- Aligning means for conveyor belts. C. Y. Garber. 2,488,859, Nov. 22.
- Aligning means for conveyers, Article. S. T. Carter. 2,468,290, Apr. 26.
- Aligning mechanism, Blank. I. J. Gannon and J. R. Harvey. 2,467,973, Apr. 19.
- Aligning the rear axles of trailers and the like. J. L. Brown. 2,479,723, Aug. 23.
- Alignment device and making the same, Foot. G. Ogden. 2,492,059, Dec. 20.
- Alimentary paste producing apparatus, Automatic. C. Ambrette. 2,481,275, Sept. 6.
- Aliphatic acid anhydrides, Preparation of. H. Dreyfus. 2,491,553, Dec. 20.
- Aliphatic carboxylic acid salts of streptotharicin and streptomycin, Lower. A. Walti. 2,481,267, Sept. 6.
- Aliphatic dinitriles, Manufacture of. H. Dreyfus. 2,481,580, Sept. 13.
- Aliphatic esters of 2,4,5-trichloro-phenol. A. R. Cade and W. S. Gump. 2,457,805, Jan. 4.
- Aliphatic ethers, Production of. L. N. Leum, S. J. Macuga, and S. I. Kreps. 2,480,940, Sept. 6.
- Aliphatic nitriles, Making. J. N. Cosby. 2,481,826, Sept. 13.
- Aliphatic peracids and substitution products thereof, Preparing. F. P. Greenspan. 2,490,800, Dec. 13.
- Aliphatic polyene guanamines. J. T. Thurston. 2,483,986, Oct. 4.
- Aliphatic sulfonic acids and esters thereof, Obtainable of. L. Bert, M. Procoff, and V. Blinoff. 2,460,968, Feb. 8.
- Alkali-alkaline earth hydroxide-impregnated carbon catalyst and its preparation. A. G. Carter. 2,470,688, May 17.
- Alkali from alumina, Removal of. M. W. Tamele, V. C. Irvine, and J. F. Mahar. 2,478,675, Aug. 9.
- Alkali metal borohydrides, Preparation of. H. I. Schlesinger and H. C. Brown. 2,461,663, Feb. 15.
- Alkali metal compounds, Preparation of. H. I. Schlesinger and H. C. Brown. 2,461,661-2, Feb. 15.
- Alkali metal dispersions and preparing the same. V. L. Hansley. 2,487,333-4, Nov. 8.
- Alkali metal perborates. J. H. Young. 2,491,789, Dec. 20.
- Alkali-metal phosphate glass in aqueous solutions and a composition of matter thereof, Retarding the reversion of. C. J. Munter. 2,458,292, Jan. 4.
- Alkali metal salts of pure penicillin, Preparation of. M. Senkus. 2,479,874, Aug. 23.
- Alkali-metal salts of triorgano-silanol, Production of. J. F. Hyde. 2,472,799, June 14.
- Alkali metal. The production of. C. B. Jackson and R. C. Werner. 2,480,655, Aug. 30.
- Alkali metal-trioxalato ferrate catalyst and its preparation. J. C. Schiller. 2,465,282, Mar. 22.
- Alkali metals from ferro-phosphorus and alkali carbonates or hydroxides, Production of. L. E. Bowe. 2,484,266, Oct. 11.
- Alkaline detergent product, Making a dust-free. T. E. Corrigan. 2,463,680, Mar. 8.
- Alkaline dry cell with permanganate cathode. S. Ruben. 2,463,316, Mar. 1.
- Alkaline earth fluorophosphate phosphors by coprecipitation, Preparation of. H. C. Froelich. 2,476,654, July 19.
- Alkaline earth halophosphate phosphors. A. H. McKeag and P. W. Ranby. 2,488,733, Nov. 22.
- Alkaline primary cell. S. Ruben. 2,473,546, June 21.
- Alkaline solutions of vegetable globulins, Production of viscous aqueous. W. A. Caldwell. 2,469,452, May 10.
- Alkaline vegetable protein solutions, Stabilized. A. F. Millidge and C. L. Knight. 2,459,952, Jan. 25.
- Alkamine esters of pyrrole-3,4-dicarboxylic acids. D. E. Sargent. 2,464,770, Mar. 15.
- Alkane sulfonic acid manufacture. W. A. Proell. 2,489,318, Nov. 29.
- Alkenylaminoacetonitriles. H. Z. Lecher and R. S. Long. 2,479,942, Aug. 23.
- Alkenyl 3-(alkenoxy)-alkanoates. D. E. Adelson. 2,464,740, Mar. 15.
- Alkoxy isobutyric acid derivatives. C. Weizmann. 2,490,109, Dec. 6.
- Alkoxy pyrazolones, Preparation of. W. A. Gregory. 2,472,581, June 7.
- Alkoxy lignin halide resins and process. R. Katzen. 2,486,419, Nov. 1.
- Alkyd resin-oxidized butadiene polymer emulsion. J. W. Robertson and J. B. Rust. 2,470,953, May 24.
- Alkyl acrylates, Making. F. C. Atwood. 2,464,364, Mar. 15.
- Alkyl acyloxy acrylates, Preparing. R. D. Babson. 2,459,059, Jan. 11.
- Alkyl-alkoxyphenol mixtures, Separation of. R. H. Rosenwald. 2,459,540, Jan. 18.
- Alkylamino alkyl bromides. R. C. Elderfield and F. Brody. 2,464,199, Mar. 15.
- Alkylaminoalkyl esters of allycyl-allycyclic carboxylic acids. M. G. Van Campen, Jr., and C. H. Tilford. 2,474,796, June 28.
- Alkyl and aryl-esters of alkyl benzenesulfonic acids. D. R. Jackson and W. K. Langdon. 2,486,417, Nov. 1.
- Alkyl and cycloalkyl silicon fluorides, Preparation of. F. J. Sowa. 2,477,704, Aug. 2.
- Alkyl aromatic hydrocarbons, Production of relatively straight chain. W. B. Johnstone. 2,479,120, Aug. 16.
- Alkyl benzenes from admixture with paraffins and naphthenes, Separating. O. M. Reiff and A. M. Moore. 2,464,769, Mar. 15.
- Alkyl esters of α -acyl, α -acylamino, β (3-indole)-propionic acid. N. F. Albertson, S. Archer, and C. M. Suter. 2,468,912, May 3.
- Alkyl esters of aryl sulfonic acid, Making. D. R. Jackson. 2,486,416, Nov. 1.
- Alkylfuran resins and making same. A. P. Dunlop and P. R. Stout. 2,486,392, Nov. 1.
- Alkyl halides, Isomerization of. J. A. Chenicek. 2,467,965, Apr. 19.
- Alkyl halides, Production of. C. C. Schwegler and F. M. Tennant. 2,469,702, May 10.
- Alkyl halides, Purifying. H. L. Yowell and C. E. Morrell. 2,458,819, Jan. 11.
- Alkylhalosilanes, Production of. L. De Pree, A. J. Barry, and D. E. Hook. 2,469,355, May 10.
- Alkylidene-bis-acrylamides. L. A. Lundberg. 2,475,846, July 12.
- Alkyl lactates, Preparation of. S. M. Weisberg, E. G. Stimpson, and A. L. Miller. 2,465,772, Mar. 29.
- Alkyl N-(ortho-bicyclohexyl)-carbamates. E. H. Dobratz. 2,483,693, Oct. 4.
- Alkyl-naphthyl ethers as insecticides. T. W. Kerr, Jr., and W. D. Harris. 2,489,531-2, Nov. 29.
- Alkyl norcamphanyl ethers. L. Schermerling. 2,459,544, Jan. 18.
- Alkyl phenols, Preparation of. J. A. Arvin and J. V. Hunn. Re. 23,183, Dec. 20.
- Alkyl phenols, Refining of. S. P. Cauley. 2,467,355, Apr. 12.
- Alkyl polysilicates. C. M. Langkammerer. 2,490,691, Dec. 6.
- Alkyl silicon halides, Production of. A. J. Barry and L. De Pree. 2,488,487, Nov. 15.
- Alkylsilsesquioxanes. A. J. Barry and J. W. Gilkey. 2,465,188, Mar. 22.
- Alkyl-substituted aromatic-aliphatic carboxylic acid. O. M. Reiff, F. P. Otto, J. J. Giammaria, and E. A. Oberright. 2,475,916, July 12.
- Alkyl substituted aromatic sulfonates. M. Hunt, V. Weinmayr, and M. F. Sartori. 2,467,131-2, Apr. 12.
- Alkyl substituted aromatic sulfonates. V. Weinmayr. 2,467,170, Apr. 12.
- Alkyl-substituted halogenosilanes, Preparation of. E. G. Rochow. 2,459,539, Jan. 18.
- Alkyl thienyl ketimine from acyl-thiophene and primary amine reaction. H. D. Hartough. 2,492,632, Dec. 27.
- Alkylthienylsodium production. J. W. Schick. 2,492,659, Dec. 27.
- Alkylated melamine-formaldehyde liquid compositions. P. Adams. 2,473,463, June 14.

- Alkylating phenolic hydroxyl group containing alkaloids and the resulting products. K. Folkers and F. R. Koniuszy. 2,472,411, June 7.
- Alkylating thiophene with sulfuric acid catalyst. P. D. Caesar and P. G. Waldo. 2,482,084, Sept. 20.
- Alkylation and catalyst recovery. R. J. Lee. 2,462,793, Feb. 22.
- Alkylation catalyzed by liquid hydrogen fluoride. S. T. Hadden. 2,471,211, May 24.
- Alkylation in the presence of a double fluoride catalyst. H. J. Passino. 2,459,775, Jan. 18.
- Alkylation in the presence of water as catalyst. W. A. Stover. 2,460,719, Feb. 1.
- Alkylation method. C. W. Watson, C. C. Burton, and L. P. Scoville. 2,474,924, July 5.
- Alkylation method and apparatus. W. N. Fenney. 2,459,636, Jan. 18.
- Alkylation method and apparatus. A. R. Goldsby. 2,463,262, Mar. 1.
- Alkylation of aminotriazines. D. E. Nagy. 2,485,983, Oct. 25.
- Alkylation of hydrocarbons. C. M. Thacker. 2,468,899, May 3.
- Alkylation of hydrocarbons. I. L. Wolk. 2,465,049, Mar. 22.
- Alkylation of isoparaffins. J. I. Harper. 2,480,240, Aug. 30.
- Alkylation of iso paraffins with olefins. M. C. K. Jones. 2,479,366, Aug. 16.
- Alkylation of phenol by alkyl halides catalyzed by finely divided gels of certain drying oils. C. J. Plank and J. F. Socolofsky. 2,460,793, Feb. 1.
- Alkylation of phenolic compounds catalyzed by Friedel-Crafts metal halides modified by boric acid. J. M. Mavity. 2,480,254, Aug. 30.
- Alkylation of phenols. R. H. Rosenwald. 2,470,902, May 24.
- Alkylation of phenols. R. H. Rosenwald. 2,477,091, July 26.
- Alkylation of thiophene. R. C. Hansford and P. D. Caesar. 2,469,823, May 10.
- Alkylation process. H. J. Hepp. 2,463,768, Mar. 8.
- Alkylation process. H. J. Hepp. 2,488,190, Nov. 15.
- Alkylation process. A. Voorhies, Jr., and A. R. Sydnor, Jr. 2,468,529, Apr. 26.
- Alkylation process. F. T. Wadsworth and R. J. Lee. 2,462,792, Feb. 22.
- Alkylation products in HF alkylation, Production of primary. J. C. Dart, C. S. Kuhn, Jr., J. E. Penick, and U. H. Wagner. 2,467,731, Apr. 19.
- Alkylene dihalide salts of *n*-dialkylamino-alkyl-phenothiazines and their production. P. Charpentier. 2,480,355, Aug. 30.
- Alkylene glycol esters of alginic acid, Substituted. A. B. Steiner and W. H. McNeely. 2,463,824, Mar. 8.
- Alkylene oxide condensation products of aliphatic acyl-carbamylguanidines. J. J. Carnes and R. B. Warner. 2,478,859, Aug. 9.
- Alkylene oxide condensation products of aliphatic acyl guanylureas. D. W. Kaiser and J. T. Thurston. 2,478,871, Aug. 9.
- Alkylene oxide condensation products of dimerized fatty acid alkylol amides. J. T. Thurston and R. B. Warner. 2,470,081, May 10.
- Alkoxy benzyl pyridinium compounds. G. A. Alles and B. B. Wisegarver. 2,477,850, Aug. 2.
- All-glass sealed packages, Making. C. E. Mongan, Jr. 2,462,988, Mar. 1.
- Allyl glycidyl mixed diether of bis(4-hydroxyphenyl)-2,2-propane and polymers thereof. E. C. Shokal and L. N. Whitehill. 2,464,753, Mar. 15.
- Alloy: See—
- | | |
|----------------------------|-----------------------------------|
| Aluminum copper alloy. | Iron chromium manganese alloy. |
| Bearing alloy. | Metal alloy. |
| Brazing alloy. | Nickel base alloy. |
| Cast ferrous alloy. | Nickel-manganese-silver alloy. |
| Copper base alloy. | Silver-copper-zinc-cadmium alloy. |
| Corrosion resistant alloy. | Zinc base alloy. |
| Ferrous alloy. | |
| Glass sealing alloy. | |
| Hardenable iron alloy. | |
- Alloy. A. T. Cape. 2,481,976, Sept. 13.
- Alloy. E. L. Olcott. 2,462,665, Feb. 22.
- Alloy addition agent. A. B. Kinzel and C. O. Burgess. 2,481,599, Sept. 13.
- Alloy addition agents. A. Linz. 2,470,935, May 24.
- Alloy and electrical resistor element made thereof, Nickel. V. O. Allen. 2,480,432, Aug. 30.
- Alloy and method. W. C. Clarke. 2,482,096-7, Sept. 20.
- Alloy coating on base metal material, Production of. J. S. Nachtman. 2,490,700, Dec. 6.
- Alloy composition, Cobalt base. H. S. Cooper. 2,469,715, May 10.
- Alloy for glass to metal seal. J. J. Went. 2,491,787, Dec. 20.
- Alloy for piercer points, Ferrous base. J. Trantin, Jr. 2,478,723-4, Aug. 9.
- Alloy of high density. J. Kurtz and H. G. Williams. 2,467,675, Apr. 19.
- Alloy of high density. J. Kurtz, and H. G. Williams. 2,491,866, Dec. 20.
- Alloy of high density, Tungsten nickel. J. Kurtz. 2,466,992, Apr. 12.
- Alloy process. A. L. Földi. 2,466,091, Apr. 5.
- Alloy steel, Heat and corrosion resisting. P. Payson. 2,484,903, Oct. 18.
- Alloy steels, Heat-resistant low. J. J. Ripich. 2,467,701, Apr. 19.
- Alloy suitable for use at high temperatures. S. O. Fisher. 2,460,817, Feb. 8.
- Alloying of gray iron in the cupola. C. L. Vance. 2,478,345, Aug. 9.
- Alloys. D. L. Edlund, T. L. Oberle, and J. Strauss. 2,469,718, May 10.
- Alloys, Copper base. J. Sykes. 2,482,225, Sept. 20.
- Alloys, Dental metal. J. Reich. 2,460,595, Feb. 1.
- Alloys, Electrodeposition of lead-tin-antimony. J. M. Roze. 2,458,827, Jan. 11.
- Alloys, Forgeable high-temperature. E. L. Olcott. 2,469,887, May 10.
- Alloys, Hard. R. B. McCauley. 2,462,056, Feb. 22.
- Alloys, Heat-resistant. H. S. Avery. 2,465,780, Mar. 29.
- Alloys, High manganese brass. E. A. Anderson and D. C. Jilison. 2,479,595-6, Aug. 23.
- Alloys, High-temperature. L. E. Osman. 2,492,761, Dec. 27.
- Alloys in a submerged resistor type induction furnace, Producing metal. Manuel and Mario Tama, and J. L. Hoff. 2,473,311, June 14.
- Alloys, Magnesium base. C. J. P. Ball and A. C. Jessup. 2,464,918, Mar. 22.
- Alloys, Manufacture of. T. Price. 2,470,790, May 24.
- Alloys, Welding cupro-nickel. C. H. Davis. 2,458,688, Jan. 11.
- Alloys, Zinc base. E. S. Bunn. 2,471,385, May 24.
- Alloys, Zinc-copper-titanium. E. J. Boyle. 2,472,402, June 7.
- Allyl alcohol, Electrolytic production of. J. E. Bludworth, M. O. Robeson, and H. A. Truby, Jr. 2,462,301, Feb. 22.
- Allyl alcohol from propylene oxide, Catalytic production of. L. G. Lundsted, E. J. Schwoegler, and E. C. Jacobs. 2,479,632, Aug. 23.
- Allyl diglycolyl allyl glycolate. H. T. Neher, E. H. aration of. T. R. Steadman and C. E. Feazel. 2,466,501, Apr. 5.
- Allyl ester of isopropylidene bis *p*-phenoxyacetic acid. H. M. Day. 2,482,706, Sept. 20.
- Allyl ether of anacardic materials, bodied products thereof, and novel compositions and friction elements produced therewith. M. T. Harvey. 2,460,255, Jan. 25.
- Allyl halogeno silicates and preparing same. E. L. Kropa. 2,465,731, Mar. 29.
- Allyl thiophenes. P. D. Caesar and D. E. Badertscher. 2,484,268, Oct. 11.
- α -Alkoxy acids and esters, Preparation of. D. J. Loder. 2,480,586, Aug. 30.
- Alpha, alpha dithiocarbonyl-dialiphatic acids. S. J. Wayo. 2,476,166, July 12.
- Alpha, alpha-thiodialiphatic acids, Making. M. P. Kleinholz. 2,462,200, Feb. 22.
- Alpha, alpha-trithiocarbonyl-dialiphatic acids. S. J. Wayo. 2,476,165, July 12.
- Alpha-amino acid amides, Forming substituted. F. C. Bersworth. 2,480,439, Aug. 30.
- Alpha amino acids to alpha hydroxy acids, Conversion of. P. R. Shildneck. 2,461,701, Feb. 15.
- Alpha-(aminoalkyl)-stilbenes. E. Rohrmann. 2,485,662, Oct. 25.
- Alpha-aminoanthraquinone compounds. J. Ogilvie. 2,485,764, Oct. 25.
- Alpha-amino-beta, beta-diethoxy-propionic acid and preparation. O. H. Johnson. 2,478,047, Aug. 2.
- Alpha-aminopyridine antihistaminic compounds. R. J. Horclois. 2,489,777, Nov. 29.
- α : β -di[benzimidazolyl-(2)]-ethylenes, Making. J. Meyer, C. Graenacher and F. Ackermann. 2,488,289, Nov. 15.
- Alpha, beta-dimethylene-succinonitrile, Making. E. J. Prill. 2,480,961, Sept. 6.
- Alpha, beta-unsaturated guanamines. J. T. Thurston. 2,461,943, Feb. 15.
- Alpha-beta unsaturated monocarboxylic acid esters, Preparation. Kroecker and W. J. Croxall. 2,474,686, June 28.
- Alphabetic and numeric comparing unit for accounting machines. M. Sens-Olive. 2,480,780, Aug. 30.
- α -Carbomethacrylic esters and resins prepared therefrom. T. T. M. Laakso and W. O. Kenyon. 2,490,757, Dec. 6.
- Alpha-cyano esters, Preparation of. W. L. Semon. 2,460,603, Feb. 1.
- Alpha-fluoromethyl styrenes and polymers thereof. J. B. Dickey and T. E. Stanin. 2,475,423, July 5.
- Alpha-halogen alkyl tetrazoles and obtaining the same, Substituted. E. K. Harvill and R. M. Herbst. 2,470,084, May 17.
- Alpha-halogenated keto fatty compounds. D. Price and F. J. Sprules. 2,481,036, Sept. 6.
- Alpha iron oxide-alkali metal ferrate catalyst and preparation. M. A. Mosesman. 2,470,785, May 24.
- Alpha iron oxide-alkali metal pyroantimonate catalyst and preparation. M. A. Mosesman. 2,465,313, Mar. 22.
- Alpha iron oxide-alkali metal trioxalato ferrate catalyst and preparation. J. C. Schiller. 2,465,280, Mar. 22.
- Alpha-keto-dihydronaphthalene, Preparation of. R. Johnson. 2,462,103, Feb. 22.
- Alpha naphthalene sulfonic anhydride. H. Z. Lecher and F. H. Adams. 2,483,213, Sept. 27.
- Alpha particle counting. C. J. Borkowski. 2,472,365, June 7.

- Alpha thionylaminoanthraquinone and making same. H. Z. Lecher and D. R. Eberhart. 2,479,943, Aug. 23.
- Altering the frequencies of piezoelectric crystals. H. R. Moulton. 2,486,968, Nov. 1.
- Altering the properties of solid polymers of ethylene. M. J. Roedel. 2,484,529, Oct. 11.
- Altering the temperature of aggregates. R. M. McShea. 2,491,194, Dec. 13.
- Alternating current brake motor. J. H. Nelson and H. Servis. 2,461,759, Feb. 15.
- Alternating current generator. C. S. Roys. 2,460,714, Feb. 1.
- Alternating current generator. C. S. Roys. 2,471,286, May 24.
- Alternating current generator. J. N. Swarr. 2,464,999, Mar. 22.
- Alternating current impedance meter. R. G. Piety. 2,470,412, May 17.
- Alternating current load indicator. R. L. Briggs. 2,470,334, May 17.
- Alternating current motor control. H. B. Rex. 2,486,435, Nov. 1.
- Alternating current pulser circuit. H. Klemperer. 2,473,592, June 21.
- Alternating current synchronous transmission. E. Granat. 2,461,053, Feb. 8.
- Alternating piston pump. J. P. Johnson. 2,465,878, Mar. 29.
- Alternator system. J. G. Abbott. 2,486,377, Nov. 1.
- Altimeter. J. O. Phelps and G. W. Cottrill. 2,458,022, Jan. 4.
- Altimeter. M. C. White. 2,465,775, Mar. 29.
- Altimeter or locator, Superheterodyne radio. W. L. Carlson. 2,466,532, Apr. 5.
- Altimeter, Radio wave. D. M. Heller. 2,465,723, Mar. 29.
- Altitude control. R. L. Divoll. 2,474,618, June 28.
- Altitude control, Cabin. C. W. Morris. 2,463,488, Mar. 1.
- Alumina-beryllium oxide catalyst, Activated. C. M. Thacker. 2,480,520, Aug. 30.
- Alumina-containing gel beads, Forming. M. M. Marisic and E. M. Griest. 2,492,167, Dec. 27.
- Alumina from clays and other silicates of aluminum, Preparing. E. C. Hoeman. 2,476,979, July 26.
- Alumina gel pellets. J. E. Messenger. 2,471,000, May 24.
- Alumina-platinum-halogen catalyst and preparation thereof. V. Haensel. 2,479,109, Aug. 16.
- Alumina, Producing. J. F. Thompson. 2,469,088, May 3.
- Aluminothermic welding. N. G. Carlson. 2,482,093, Sept. 20.
- Aluminous dross, Treatment of. W. B. Heilman and H. M. Short. 2,481,591, Sept. 13.
- Aluminum and aluminum alloy surfaces corrosion resistant, Rendering. W. R. Meyer. 2,460,897, Feb. 8.
- Aluminum and the alloys thereof with a tungsten electrode and superimposed high-frequency high-voltage electric current, Argon-gas-blanketed alternating electric current arc welding. W. B. Miller. 2,475,357, July 5.
- Aluminum chlorohydrate astringent. C. N. Andersen. 2,492,085, Dec. 20.
- Aluminium-copper alloy. T. F. Bradbury. 2,459,492, Jan. 18.
- Aluminum, Etching. R. B. Mason. 2,472,304, June 7.
- Aluminum foil for bonding, printing, and coloring, Treatment of. F. L. Eichner. 2,480,455, Aug. 30.
- Aluminum halide catalyst, Preparation of. H. G. Schutze. 2,467,162, Apr. 12.
- Aluminum halide from aluminum halide-hydrocarbon complex, Recovery of. H. J. Hepp. 2,464,682, Mar. 15.
- Aluminum, Method and materials for producing coated. F. P. Spruance, Jr. 2,471,909, May 31.
- Aluminum phosphates, Preparation of. H. H. Greger. 2,460,344, Feb. 1.
- Aluminum, Producing. A. F. Johnson. 2,480,474, Aug. 30.
- Aluminium, Production and refining of. P. Gross. 2,470,305, May 17.
- Aluminum-silicon alloys, Producing. A. Regner. 2,464,610, Mar. 15.
- Aluminum-silicon alloys, Production of. M. M. Striplin, Jr., and W. M. Kelly. 2,488,568, Nov. 22.
- Aluminum soaps and certain classes of useful compositions containing aluminum soaps, Preparing. N. L. Jones. 2,469,041, May 3.
- Aluminum sulfonate, Production of. A. B. Hersberger. 2,491,043, Dec. 13.
- Amalgamator. G. M. and C. O. Tangen. 2,488,477, Nov. 15.
- Amalgamator, Centrifugal. T. Hamilton. 2,472,475, June 7.
- Amalgamator, including electrical precipitation means. R. L. Guizzetti. 2,479,615, Aug. 23.
- Ambient temperature and electrical current compensated indicator. H. M. Norman. 2,475,912, July 12.
- Ambulance, Aircraft. M. Cozzoli. 2,480,322, Aug. 30.
- Amidation of esters. E. M. Meade. 2,464,094, Mar. 8.
- Amides of acetoacetic acid and their preparation. J. R. Caldwell. 2,462,358, Feb. 22.
- Amides of dihydroxy benzoic acid, Hydroxy. J. L. Huck, Jr. 2,463,462, Mar. 1.
- Amides of n-(2,3-dihydroxy-2-propenylidene)-aminobenzoic acid. 2,466,670, Apr. 12.
- Amides, Preparation of. J. A. King. 2,459,706, Jan. 18.
- Amination of halobenzenesulfonyl chlorides. G. W. Seymour, V. S. Salvin, and W. D. Jones. 2,466,125, Apr. 5.
- Amine salt composition, Fatty acid. C. W. Hoerr. 2,468,755, May 3.
- Amine salts as fungicides and bactericides, Long-chain. A. Minich and M. Nowak. 2,471,339, May 24.
- Amines and fuels containing the same, Aromatic. J. W. Orelup. 2,467,917, Feb. 15.
- Amines to nitramines, Converting secondary. G. F. Wright and W. J. Chute. 2,462,052, Feb. 15.
- Aminoacetal, Production of. R. S. Sweet. 2,490,385, Dec. 6.
- Amino acid compositions and their preparation. D. B. Hand, J. G. Brereton, and O. W. Kaufmann. 2,489,880, Nov. 29.
- Amino acid extraction. H. J. Almquist and J. G. Davis. 2,471,053, May 24.
- Amino acid separation. R. J. Block. 2,462,597, Feb. 22.
- Amino acid solution and preparing the same. E. E. Howe and M. Tishler. 2,457,820, Jan. 4.
- Amino acids, Manufacture of. C. Neuberg and H. Lustig. 2,462,124, Feb. 22.
- Amino acids, Preparation of. R. H. Sifferd. 2,460,040, Jan. 25.
- Amino acids, Preparing. H. R. Snyder and M. Tishler. 2,478,788, Aug. 9.
- Amino alcohols as softeners in butadiene-styrene copolymers. D. V. Sarbach. 2,460,600, Feb. 1.
- Amino alcohols, Manufacture of. C. N. Robinson, Jr., and J. F. Olin. 2,477,943, Aug. 2.
- Aminoalcohols, Preparation of. W. Wenner. 2,477,842, Aug. 2.
- Amino-aldehyde adhesives. C. F. Van Epps. 2,492,510, Dec. 27.
- Amino aliphatic guanamines. J. T. Thurston. 2,459,397, Jan. 18.
- Amino-alkyl benzhydryl amines, Disubstituted. G. Rieveschl, Jr. 2,483,434, Oct. 4.
- Aminoalkyl benzhydryl thioethers and their preparation. G. Rieveschl, Jr. 2,483,671, Oct. 4.
- Amino alkyl benzoates. G. E. Ulyot. 2,463,831, Mar. 8.
- Aminoalkyl-phenyl lactones. A. W. Weston. 2,490,937, Dec. 13.
- Amino alkyl tetrazoles, Substituted. E. K. Harvill and R. M. Herbst. 2,470,085, May 17.
- Amino anthraquinone dyestuffs containing an amino stilbene group. C. G. Vogt. 2,476,642, July 19.
- Aminoanthraquinone sulfonic acids, Making. W. W. Tatum. 2,475,530, July 5.
- Aminobenzanthrone-thiophenanthraquinone acridines. C. F. Belcher and L. A. Mero. 2,480,112, Aug. 30.
- Aminobenzenesulfonamidohalopyrazines and preparing same. E. H. Northey and J. S. Webb. 2,475,673, July 12.
- Amino benznaphtyridines and preparing the same. V. A. Petrow. 2,467,693, Apr. 19.
- Amino carboxylic acids, Producing. M. J. Blish. 2,487,784, Nov. 15.
- Aminodioxanes as insecticides. M. Senkus. 2,485,987, Oct. 25.
- Amino groups into cellulose, Introduction of. J. D. Guthrie. 2,459,222, Jan. 18.
- Aminomercaptobenzenesulfonamides. W. H. Vinton. 2,483,447, Oct. 4.
- Amino methyl phenols. A. L. Rawlins, W. F. Holcomb, E. M. Jones, F. H. Tendick, and J. H. Burckhalter. 2,459,338, Jan. 18.
- Aminophthalidylalkane salts, The preparation of. G. E. Ulyot. 2,480,105, Aug. 30.
- Amino-phthalidylalkanes, Preparation of. G. E. Ulyot. 2,473,484, June 14.
- Aminopyridine compounds. H. L. Friedman and L. D. Braitberg. 2,458,585, Jan. 11.
- Aminopyridine-ethylidene sulfonates, Substituted. H. L. Friedman and L. D. Braitberg. 2,477,731, Aug. 2.
- Amino pyrimidines. A. F. Crowther, F. H. S. Curd, B. J. Lovell, H. T. Openshaw, and A. R. Todd. 2,489,526, Nov. 29.
- Amino trimethyl hexanoic acids and their lactams. A. V. Snider and R. C. Morris. 2,462,008, Feb. 15.
- Amino trimethyl hexenoic acids and their lactams. R. C. Morris and A. V. Snider. 2,462,009, Feb. 15.
- Ammelide, Production of. J. H. Paden and A. F. MacLean. 2,476,452, July 19.
- Ammeline, Preparation of. H. A. Walter. 2,467,712, Apr. 19.
- Ammeter, Frequency controlled. F. Rieber. 2,463,312, Mar. 1.
- Ammonia from ore tailings pulp, Recovery of. R. R. Fitzhugh, B. F. Frederick, and B. A. Axelrad. 2,458,902, Jan. 11.
- Ammonia recovery in soda ash production. J. R. Taylor. 2,471,013, May 24.
- Ammonia, Recovery of. J. W. Teter and R. H. Stookey. 2,461,010, Feb. 8.
- Ammonia salts of maleic acid, Production of. B. G. Carson. 2,474,089, June 21.
- Ammonia to oxides of nitrogen, Catalytic oxidation of. C. J. Smithells. 2,467,446, Apr. 19.
- Ammonium alum from acid liquors, Production of. E. S. Peer. 2,467,271, Apr. 12.

- Ammonium compounds, Aliphatic amide-substituted propyl quaternary. P. H. Moss and E. W. Cook. 2,459,088, Jan. 11.
- Ammonium compounds, Quaternary. E. W. Cook and P. H. Moss. 2,459,062, Jan. 11.
- Ammonium compounds, Quaternary. M. De Groote and B. Keiser. 2,459,994, Jan. 25.
- Ammonium nitrate explosive. D. M. McFarland. 2,463,709, Mar. 8.
- Ammonium salts, Quaternary. H. Wittcoff. 2,483,749, Oct. 4.
- Ammonium sulfamate, Producing. C. A. Rohrmann. 2,487,480, Nov. 8.
- Ammonium sulfate saturator. W. Tiddy. 2,482,643, Sept. 20.
- Ammunition-belt feed mechanism for automatic firearms. E. C. M. D'Assis-Fonseca. 2,481,726, Sept. 13.
- Ammunition box. C. T. Diaper. 2,470,475, May 17.
- Ammunition box. J. F. Haberlin. 2,459,934, Jan. 25.
- Ammunition for recoilless weapons. K. R. Fowler. 2,492,279, Dec. 27.
- Ammunition making machinery. A. F. Gagne, Jr. 2,462,315, Feb. 22.
- Amphibian. J. M. Hait. 2,475,496, July 5.
- Amphibian tank. B. A. Swennes. 2,487,397, Nov. 8.
- Amphibious vehicle. L. G. Hecker. 2,466,236, Apr. 5.
- Amplifier and circuit, Direct-current. H. H. Weichardt. 2,466,065, Apr. 5.
- Amplifier and modulating circuits therefor, Electron discharge tube high-frequency. V. J. Cooper and E. Green. 2,472,195, June 7.
- Amplifier and revolution accumulator, Torque. B. Cooper and A. F. Hohmann. 2,460,808, Feb. 8.
- Amplifier, Audio-frequency. E. Watkinson, A. W. Storm, and C. G. Smith. 2,473,265, June 14.
- Amplifier, Band pass. W. W. Moe. 2,491,326, Dec. 13.
- Amplifier, Cathode-coupled. M. Cawein. 2,489,266, Nov. 29.
- Amplifier, Cathode-coupled wide-band. A. C. Schroeder. 2,460,907, Feb. 8.
- Amplifier, Cathode-ray tube. P. J. Selgin. 2,472,779, June 7.
- Amplifier circuits for radio transmitters, Audio. J. H. Pratt. 2,481,533, Sept. 13.
- Amplifier, Combination power. F. B. Stone. 2,492,542, Dec. 27.
- Amplifier, Compensated. O. H. Schmitt. 2,479,970, Aug. 23.
- Amplifier control circuit. R. W. Lavender. 2,465,809, Mar. 29.
- Amplifier, Direct-current. F. L. Moseley and L. J. Perper. 2,459,177, Jan. 18.
- Amplifier, Direct-current voltage. E. E. Carpentier. 2,490,727, Dec. 6.
- Amplifier, Double-acting proportional pressure power. E. G. Staude. 2,465,761, Mar. 29.
- Amplifier, Electrical alternating currents. H. J. Tyzzer. 2,481,456, Sept. 6.
- Amplifier, Electronic. L. J. Heaton-Armstrong. 2,468,066, Apr. 26.
- Amplifier for galvanometer oscillographs, Electronic. K. R. Geiser. 2,465,082, Mar. 22.
- Amplifier for small direct currents. J. A. Hipple, Jr., and D. J. Grove. 2,462,190, Feb. 22.
- Amplifier for underwater listening apparatus. F. P. Herrfeld. 2,487,135, Nov. 8.
- Amplifier, Frequency selective. A. E. Hastings. 2,490,805, Dec. 13.
- Amplifier, Gate suppressing linear response. M. W. Rosen and C. H. Hoepfner. 2,459,181, Jan. 18.
- Amplifier, Harmonic class C. A. S. Harris. 2,469,598, May 10.
- Amplifier, Magnetic. A. S. Fitz Gerald. 2,464,639, Mar. 15.
- Amplifier, Negative feedback. J. W. Rieke. 2,459,046, Jan. 11.
- Amplifier, Negative feedback. H. Romander. 2,480,163, Aug. 30.
- Amplifier, Neutralized high-frequency. K. Posthumus and C. A. Gehrels. 2,477,545, July 26.
- Amplifier or oscillator, Feedback. S. B. Ingram. 2,458,000, Jan. 4.
- Amplifier, Pulse. R. Lee. 2,488,417, Nov. 15.
- Amplifier, Single-stage, high-gain. P. M. G. Toulon. 2,471,252, May 24.
- Amplifier, Stabilized high gain. H. L. Daniels. 2,489,272, Nov. 29.
- Amplifier, Stagger damped tuned. H. Wallman. 2,480,203, Aug. 30.
- Amplifier, Sweep. E. A. Krauth. 2,475,188, July 5.
- Amplifier system, Magnetic. A. S. FitzGerald. 2,461,046, Feb. 8.
- Amplifier system, Push-pull. R. B. Dome. 2,485,369, Oct. 18.
- Amplifier system, Ultra high frequency. W. T. Brown. 2,485,559, Oct. 25.
- Amplifier, Thermionic valve. B. M. Hadfield. 2,475,547, July 5.
- Amplifier, Vacuum tube. R. C. Moore. 2,474,435, June 28.
- Amplifier, Variable gain. A. L. Olson. 2,476,900, July 19.
- Amplifier, Variable gain. L. R. Yates. 2,462,452, Feb. 22.
- Amplifier, Wide band. J. L. Potter. 2,481,870, Sept. 13.
- Amplifier with controlled load impedance, High-frequency. K. Posthumus. 2,480,195, Aug. 30.
- Amplifier with direct-current feedback, Direct-coupled. R. J. Grambsch. 2,458,849, Jan. 11.
- Amplifier with heater compensation. L. P. Paradise and W. F. Auerbacher. 2,480,418, Aug. 30.
- Amplifier with rising frequency response. R. C. Moore. 2,488,314, Nov. 15.
- Amplifying circuits, Magnetic. S. E. Tweedy. 2,475,575, July 5.
- Amplifying means, Movement. E. Bugatti. 2,476,081, July 12.
- Amplifying plural-stage dynamo. G. E. King, and M. H. Fisher. 2,491,984, Dec. 20.
- Amplitude control. D. S. Renner. 2,462,551, Feb. 22.
- Amplitude modulated time modulated pulse system. D. Q. Grigg. 2,474,244, June 28.
- Amplitude modulation, High efficiency. R. W. Ketchledge. 2,476,875, July 19.
- Ampoule. J. O'Sullivan. 2,486,321, Oct. 25.
- Ampoule cutter. V. J. Yeskett. 2,488,956, Nov. 22.
- Ampoules, Sealing. F. D. Palmer. 2,464,765, Mar. 15.
- Amusement apparatus. F. B. Sellards. 2,467,338, Apr. 12.
- Amusement device. J. Mitchell. 2,460,026, Jan. 25.
- Amusement device. D. H. Parkerson, Jr. 2,488,930, Nov. 22.
- Amusement device. F. S. Rosenthal. 2,486,981, Nov. 1.
- Amusement device. L. W. Rumler. 2,484,466, Oct. 11.
- Amusement device, Airplane. A. Orance. 2,468,893, May 3.
- Amusement device, Luminescent. J. M. Gordon. 2,460,221, Jan. 25.
- Amusement device, Punchboard. C. R. Schmidt and F. H. Dunivan. 2,490,325, Dec. 6.
- Amusement device requiring playing skill, Magnetic. F. J. Neizerling. 2,463,795, Mar. 8.
- Amyl alcohols, Dehydrating. P. A. Laurent. 2,468,764, May 3.
- Analysis and display for complex waves. L. Y. Lacy. 2,476,445, July 19.
- Analysis of gases, Thermal conductivity. W. J. Clark. 2,472,645, June 7.
- Analytical apparatus. A. G. Jordan. 2,470,353, May 17.
- Analytical apparatus. B. W. Thomas. 2,476,005, July 12.
- Analyzer, Frequency. L. Blok. 2,483,311, Sept. 27.
- Analyzer, Gas. J. Hillier. 2,468,261, Apr. 26.
- Analyzer, Humidity. J. C. Albright. 2,464,546, Mar. 15.
- Analyzer, Network. W. E. Enns. 2,491,095, Dec. 13.
- Analyzer, Traffic. H. L. McCleery and C. B. Stair. 2,472,258, June 7.
- Analyzer, Wave. G. W. Cook. 2,465,355, Mar. 29.
- Analyzer, Well. W. A. Bruce. 2,472,464, June 7.
- Analyzing apparatus. W. H. Wannamaker, Jr. 2,488,505, Nov. 15.
- Analyzing method and apparatus. D. P. Eckman and W. H. Wannamaker, Jr. 2,470,434, May 17.
- Analyzing receiver. L. F. Jaggi, Jr., E. M. Williams, and A. D. Shearer. 2,468,073, Apr. 26.
- Analyzing seismographic records, Method and apparatus for. J. E. Hawkins. 2,463,534, Mar. 8.
- Analyzing system, Wave-signal. B. D. Loughlin. 2,490,530, Dec. 6.
- Anchor. H. L. Hess. 2,487,549, Nov. 8.
- Anchor. C. C. Thompson. 2,478,342, Aug. 9.
- Anchor. J. S. Woodland. 2,464,661, Mar. 15.
- Anchor and spike harness, Rail. A. Gehnert. 2,483,491, Oct. 4.
- Anchor bracket. R. W. Duggan. 2,467,115, Apr. 12.
- Anchor, Brake. J. G. Oetzel. 2,469,402, May 10.
- Anchor, Chill coil. T. G. Bumbaugh. 2,463,147, Mar. 1.
- Anchor. Collapsible frame sea. H. Iversen. 2,491,564, Dec. 20.
- Anchor, Earth. D. C. Hubbard. 2,490,355, Dec. 6.
- Anchor, Earth. H. R. Ogburn. 2,490,465, Dec. 6.
- Anchor, Earth. O. F. Tallman and K. R. Runde. 2,470,326, May 17.
- Anchor, Expanding earth. F. R. Young. 2,490,187, Dec. 6.
- Anchor for lading retaining bands for flat top railway cars. B. R. Jones. 2,481,598, Sept. 13.
- Anchor leader. J. Barone. 2,473,089, June 14.
- Anchor line or stringer holder. L. Reiter. 2,469,443, May 10.
- Anchor means, Retrivable. T. E. McAvoy. 2,490,460, Dec. 6.
- Anchor, Mold. O. H. Selke. 2,486,802, Nov. 1.
- Anchor, Truck. E. G. Ulrich. 2,488,749-50, Nov. 22.
- Anchor, Nut. F. C. Wallace. 2,461,097, Feb. 8.
- Anchor, Rail. J. C. Dayton. 2,491,362, Dec. 13.
- Anchor, Rail. R. J. McComb. 2,491,052, Dec. 13.
- Anchor, Rail. F. A. Preston. 2,473,345, June 14.
- Anchor, Retractable. H. Alvik and G. S. De Huff. 2,476,348, July 19.
- Anchor, Sea. V. C. Farrell. 2,466,692, Apr. 12.
- Anchor shank, Tumble balance. J. J. Kellum. 2,468,077, Apr. 26.
- Anchor, Ship's. P. E. Fearn. 2,490,423, Dec. 6.
- Anchor, Single flange rail. F. A. Preston. 2,462,548, Feb. 22.
- Anchor, Stockless pivoted fluke. N. W. Pabst. 2,465,261, Mar. 22.
- Anchor, Tarpaulin. H. S. Wheeler. 2,465,621, Mar. 29.
- Anchor, Truck. E. G. Ulrich. 2,458,226, Jan. 4.
- Anchor, Wheel. H. O. Otterness. 2,465,551, Mar. 29.

- Anchorage. E. A. Black. 2,468,729, May 3.
 Anchoring and securing device, Rail. T. F. Jones. 2,486,290, Oct. 25.
 Anchoring device, Antiskid tire chain. M. F. McGuiness. 2,460,023, Jan. 25.
 Anchoring means for radiator cores. D. W. Christensen. 2,488,804, Nov. 22.
 Anelated fluorocarbons. E. T. McBee and L. D. Bechtol. 2,459,781, Jan. 25.
 Aneroid, including loading mechanism therefor. E. E. Bauman. 2,489,073, Nov. 22.
 Anesthetic, Thiomine-procaine. E. L. Stern. 2,484,128, Oct. 11.
 Angle bracket and stationary clamping jaws having a selectively mountable clamping jaw, Combined. R. W. Wagner. 2,466,518, Apr. 5.
 Angle calculating apparatus for use with unstable platforms. E. D. Gittens. 2,486,781, Nov. 1.
 Angle drill. C. A. Koza. 2,462,647, Feb. 22.
 Angle drive, Universal. M. P. Winther. Re. 23,101, Apr. 19.
 Angle indication with particular reference to radar systems, Electronic. A. L. Kelsey, A. L. Hiebert, H. G. Tasker, and W. E. Osborne. 2,483,644, Oct. 4.
 Angle measuring device, Compound. L. F. Palmer. 2,483,228, Sept. 27.
 Angle plane, Plasterer's. H. P. Huffman. 2,490,304, Dec. 6.
 Anhydrous lithium peroxide, Preparation of. P. F. Winternitz. 2,488,485, Nov. 15.
 Anhydrous magnesium chloride and recovery of metallic magnesium, Preparation of. S. L. Madorsky. 2,488,474, Nov. 15.
 Anhydrous sodium sulfate, Production of. L. H. Allen, Jr. 2,482,830, Sept. 27.
 Animal enclosure. H. M. Fricke. 2,467,525, Apr. 19.
 Animal feed. M. F. Gribbins. 2,462,633, Feb. 22.
 Animal glue jellies, Manufacture of. T. A. White. 2,467,715, Apr. 19.
 Animal poke. J. H. Beard. 2,461,255, Feb. 8.
 Animal restraining device. V. T. and W. J. Buettner. 2,491,951, Dec. 20.
 Animal trap. E. O. Anderson. 2,479,196, Aug. 16.
 Animal trap. C. Cole. 2,483,881, Oct. 4.
 Animal trap. C. W. Crumrine. 2,469,454, May 10.
 Animal trap. C. W. Crumrine. 2,490,017, Dec. 6.
 Animal trap. F. W. Grisele. 2,476,659, July 19.
 Animal trap. C. Grossi. 2,484,452, Oct. 11.
 Animal trap. W. F. Hohler. 2,465,686, Mar. 29.
 Animal trap. W. R. Horne. 2,471,748, May 31.
 Animal trap. L. C. Johnson. 2,481,519, Sept. 13.
 Animal trap. C. Jones. 2,458,176, Jan. 4.
 Animal trap. A. E. Kern. 2,488,202, Nov. 15.
 Animal trap. J. U. Lehn and H. R. Graybill. 2,489,093, Nov. 22.
 Animal trap. C. L. Leonard. 2,470,858, May 24.
 Animal trap. O. H. Oleen. 2,459,580, Jan. 18.
 Animal trap. H. J. Peterson. 2,466,270, Apr. 5.
 Animal trap. V. J. Price. 2,490,540, Dec. 6.
 Animal trap. L. L. Turner. 2,485,941, Oct. 25.
 Animal trap. J. Wheeler. 2,471,804, May 31.
 Animal tray. S. Lanza. 2,478,286, Aug. 9.
 Animated signal. J. J. Jeffries and A. A. Meisel. 2,483,463, Oct. 4.
 Anion active resins and producing same. J. R. Dudley and L. A. Lundberg. 2,469,683, May 10.
 Anion exchange resins. J. R. Dudley. 2,467,523, Apr. 19.
 Anions from liquids, Removing. L. A. Lundberg. 2,469,694, May 10.
 Anions from liquids, Removing. L. A. Lundberg and J. R. Dudley. 2,469,692, May 10.
 Anisole manufacture. W. D. Smutz. 2,490,842, Dec. 13.
 Anisole, Preparing. N. E. Searle. 2,487,832, Nov. 15.
 Annealing and cleaning cold rolled strip steel. W. B. Cooper and E. J. Seabold. 2,478,964, Aug. 16.
 Annealing coiled light gauge sheet metal. F. Burdette. 2,490,412, Dec. 6.
 Annealing furnace. C. Cone. 2,479,814, Aug. 23.
 Annealing furnace. P. Mastercole. 2,476,204, July 12.
 Annealing machine. D. C. Campion. Sr. 2,465,511, Mar. 29.
 Announcing apparatus, Time. J. W. Wells. 2,488,840, Nov. 22.
 Annunciator. J. Boeve and J. Sterenberg. 2,477,857, Aug. 2.
 Annunciator. F. E. Wood. 2,471,666, May 31.
 Annunciator for automatic phonographs. A. S. Pasternack. 2,463,050, Mar. 1.
 Annular cutter. C. W. Baker. 2,477,037, July 26.
 Annular cutter. E. F. Krist. 2,475,668, July 12.
 Annular trough oil burner. N. W. Dockery. 2,476,709, July 19.
 Anode. G. B. Hogaboom, Jr., and N. R. Hall. 2,462,968, Mar. 1.
 Anode bar jack. C. J. Klein. 2,462,506, Feb. 22.
 Anode construction. M. J. Zunick. 2,482,053, Sept. 13.
 Anode construction. M. J. Zunick. 2,490,246, Dec. 6.
 Anode for galvanic protection, Potential gradient. J. J. Grebe. 2,478,478, Aug. 9.
 Anode for strapped magnetrons. A. T. Nordsieck. 2,463,416, Mar. 1.
 Anode rod for plating tanks. W. G. Evans and W. C. Schaefer. 2,472,796, June 14.
 Antacid composition. L. L. Hardt. 2,472,476, June 7.
 Antacid preparation. H. Necheles and H. Kroll. 2,477,080, July 26.
 Antenna. R. J. Adams and H. W. Lance. 2,476,949, July 26.
 Antenna. R. A. Braden. 2,460,869, Feb. 8.
 Antenna. S. Breen and L. J. Chu. 2,465,673, Mar. 29.
 Antenna. G. H. Brown and J. Epstein. 2,471,515, May 31.
 Antenna. J. B. Caraway, Jr., and H. Kees. 2,467,961, Apr. 19.
 Antenna. L. J. Chu. 2,479,209, Aug. 16.
 Antenna. R. E. Clapp. 2,470,016, May 10.
 Antenna. R. E. Clapp. 2,478,242, Aug. 9.
 Antenna. R. E. Clapp. 2,480,182, Aug. 30.
 Antenna. L. J. Eyges. 2,472,201, June 7.
 Antenna. E. N. Gilbert. 2,480,186, Aug. 30.
 Antenna. G. G. Greene. 2,486,597, Nov. 1.
 Antenna. P. A. Guarino and D. Williams. 2,489,287, Nov. 29.
 Antenna. N. E. Lindenblad. 2,487,567, Nov. 8.
 Antenna. H. E. F. C. Lingenbrink. 2,479,379, Aug. 16.
 Antenna. J. W. Marchetti. 2,462,881, Mar. 1.
 Antenna. J. W. Marchetti. 2,474,854, July 5.
 Antenna. D. W. Martin. 2,483,217, Sept. 27.
 Antenna. R. W. Masters. 2,480,153-4, Aug. 30.
 Antenna. H. A. Newell and A. W. Kramer. 2,489,720, Nov. 29.
 Antenna. S. B. Pickles. 2,485,654, Oct. 25.
 Antenna. S. B. Pickles and A. M. Casagana. 2,477,647, Aug. 2.
 Antenna. H. J. Riblet. 2,473,446, June 14.
 Antenna. H. J. Riblet. 2,485,920, Oct. 25.
 Antenna. W. Sichak. 2,473,454, June 14.
 Antenna. R. M. Silliman. 2,479,272, Aug. 16.
 Antenna. G. B. Vernier, and R. L. Rost. 2,491,629, Dec. 20.
 Antenna, Adjustable. C. K. Gieringer. 2,474,242, June 28.
 Antenna, Adjustable. J. B. Walker. 2,476,469, July 19.
 Antenna and lobe switcher. N. E. Lindenblad. 2,488,419, Nov. 15.
 Antenna, Apple-core reflector. L. J. Chu. 2,486,589, Nov. 1.
 Antenna array. C. F. Valach. 2,481,801, Sept. 13.
 Antenna array, Search. E. Fubini and M. Hamermesh. 2,473,421, June 14.
 Antenna, Automotive vehicle. J. B. Cejka. 2,468,391, Apr. 26.
 Antenna, Broad band. E. C. Cork. 2,485,482, Oct. 18.
 Antenna, Broad band. W. W. Hansen. 2,472,106, June 7.
 Antenna, Broad band. W. W. Hansen. 2,482,767, Sept. 27.
 Antenna, Broad band. A. S. Meier. 2,463,547, Mar. 8.
 Antenna, Center fed. L. Himmel. 2,462,865, Mar. 1.
 Antenna construction. H. O. Peterson. 2,478,313, Aug. 9.
 Antenna construction. J. W. Shur. 2,462,229, Feb. 22.
 Antenna control system. J. R. Moore and H. P. Pacini. 2,479,586, Aug. 23.
 Antenna control system, Directive. A. R. Kolding. 2,458,175, Jan. 4.
 Antenna coupling coil assembly, Ultra high frequency. A. C. Germer. 2,467,737, Apr. 19.
 Antenna current indicator. C. G. Seright. 2,485,171, Oct. 18.
 Antenna, Dipole. H. Goldberg. 2,478,913, Aug. 16.
 Antenna, Dipole. H. Goldberg. 2,491,493, Dec. 20.
 Antenna, Directional microwave. C. C. Cutler. 2,483,575, Oct. 4.
 Antenna, Directional microwave. C. C. Cutler. 2,489,865, Nov. 29.
 Antenna, Directive high-frequency. S. L. Breen, L. J. Chu, and C. S. Pao. 2,480,181, Aug. 30.
 Antenna, Directive microwave. C. B. H. Feldman. 2,482,162, Sept. 20.
 Antenna, Dual frequency. E. N. Gilbert. 2,479,227, Aug. 16.
 Antenna, Extensible car radio. I. Bernstein and M. Director. 2,491,601, Dec. 20.
 Antenna, Flat beam. L. J. Chu. 2,478,241, Aug. 9.
 Antenna for aircraft. J. K. De Armond. 2,484,817, Oct. 18.
 Antenna for radiating circularly polarized waves. P. J. Kibler. 2,460,260, Jan. 25.
 Antenna for signal receivers. J. R. Ebbeler. 2,485,264, Oct. 18.
 Antenna, High-frequency. J. B. Caraway, Jr., and R. M. Silliman. 2,467,962, Apr. 19.
 Antenna, High-frequency. L. E. Raburn and E. W. Ever-son. 2,467,991, Apr. 19.
 Antenna, Loop. A. G. Kandoian. 2,490,815, Dec. 13.
 Antenna, Loop. L. H. Van Billiard. 2,492,772, Dec. 27.
 Antenna, Outside mounted automobile. M. R. Friedberg. 2,473,141, June 14.
 Antenna, Parabolic. S. E. Mautner. 2,471,828, May 31.
 Antenna, Radio. D. Jackson. 2,471,215, May 24.
 Antenna, Radio. C. A. Trowbridge. 2,482,567, Sept. 20.
 Antenna, Receiving. V. R. Parker. 2,486,872, Nov. 1.
 Antenna, Single null loop. M. Y. Eck and J. J. Hodapp. 2,474,238, June 28.
 Antenna, Slotted wave guide. L. J. Chu. 2,477,510, July 26.
 Antenna stabilizer, Radar. T. W. Kenyon. 2,475,746, July 12.

- Antenna system. G. W. Fyler. 2,479,337, Aug. 16.
 Antenna system. T. M. Gluyas, Jr. 2,490,957, Dec. 13.
 Antenna system. G. E. Hulstede. 2,472,213, June 7.
 Antenna system. J. H. Irving. 2,480,189, Aug. 30.
 Antenna system. G. P. Kearse. 2,474,480, June 28.
 Antenna system. R. W. Masters. 2,480,155, Aug. 30.
 Antenna system. R. K. Potter. 2,485,457, Oct. 18.
 Antenna system. J. F. Shanklin. 2,483,240, Sept. 27.
 Antenna system, Broad-band. R. S. Wehner. 2,485,177, Oct. 18.
 Antenna system, Directive. C. C. Cutler. 2,482,158, Sept. 20.
 Antenna system, Directive. J. M. Lannxner. 2,480,143, Aug. 30.
 Antenna system, Directive. W. T. Rea. 2,471,284, May 24.
 Antenna system, Directive. C. A. Warren. 2,458,885, Jan. 11.
 Antenna system, Feedback. G. T. Eoyden. 2,480,164, Aug. 30.
 Antenna system for short waves. L. C. Van Atta. 2,486,620, Nov. 1.
 Antenna system, High-gain. P. S. Carter. 2,485,138, Oct. 18.
 Antenna system, Loop. L. L. Libby. 2,465,381, Mar. 29.
 Antenna system, Single-ended. M. W. Scheldorf. 2,469,209, May 3.
 Antenna system, Three-phase slot. R. S. Wehner. 2,487,622, Nov. 8.
 Antenna system, Triple element auto directional. A. H. Gutschow and C. R. Reese. 2,483,504, Oct. 4.
 Antenna system, Ultra high frequency. H. Selvidge. 2,471,045, May 24.
 Antenna, Telescopic. M. Spirt. 2,488,480, Nov. 15.
 Antenna, Television. M. Kaplan. 2,492,529, Dec. 27.
 Antenna, Television receiving. J. Y. Resnick. 2,465,331, Mar. 22.
 Antenna, Traveling wave. N. E. Lindenblad. 2,478,700, Aug. 9.
 Antenna unit. A. G. Kandoian. 2,465,379, Mar. 29.
 Antenna, Vehicle. H. F. Jenkins. 2,478,273, Aug. 9.
 Antenna with automatic tuning, particularly for aircraft wireless, Transmitting. H. Kappeler. 2,472,904, June 14.
 Anthraquinone acridone carbazoles in which the acridone nucleus is linked to the carbazole nucleus through an amide linkage. F. Max and D. I. Randall. 2,467,561, Apr. 19.
 Anthraquinone-acridones, Making. H. Z. Lecher and W. S. Forster. 2,492,802, Dec. 27.
 Anthraquinone-C-arylthiazoles, Manufacturing. M. H. Fleyscher. 2,473,872, June 21.
 Anthraquinone compounds. H. W. Coover, J. B. Dickey, and E. B. Towne. 2,459,149, Jan. 18.
 Anthraquinone compounds containing a 2,2-difluoroethyl-amino group. J. B. Dickey. 2,466,009, Apr. 5.
 Anthraquinone compounds containing a 2,2,2-trifluoroethylamino group. J. B. Dickey. 2,466,008, Apr. 5.
 Anthraquinone derivatives, Manufacture of. P. Grossmann. 2,492,743, Dec. 27.
 Anthraquinone-2-carboxylic-dimethylamides and making same. H. C. Olpin and K. R. House. 2,484,902, Oct. 18.
 Anthrimide carbazole dyestuffs. H. Hauser and M. Bommer. 2,459,424, Jan. 18.
 Anthrimide-carbazole dyestuffs. H. Hauser and M. Bommer. 2,473,949, June 21.
 Antibacklash attachment for fishing reels. R. R. Bollman. 2,483,331, Sept. 27.
 Antibiotic extraction from solids of actinomyces griseus culture. G. W. Rake, W. L. Koerber, and R. Donovan. 2,461,922, Feb. 15.
 Antilogging device for roof drains. J. B. Blau. 2,485,547, Oct. 25.
 Anticollision apparatus. R. J. Herbold. 2,489,223, Nov. 22.
 Anticondensation device for flush tanks. W. L. Gaines. 2,465,866, Mar. 29.
 Anticorrosion unit. C. M. Osterheld. 2,486,871, Nov. 1.
 Anticreep device, Rail. C. J. Hunnicutt. 2,479,932, Aug. 23.
 Anticut nonstrip-out handle. D. A. Davis. 2,462,168, Feb. 22.
 Antidetonating device. G. R. Ericson. 2,477,481, July 26.
 Antidetonating device. A. W. Orr, Jr. 2,465,549, Mar. 29.
 Antidetonating device. S. M. Udale. 2,486,228, Oct. 25.
 Antidetonation system. R. W. Young and G. H. Keller. 2,482,531, Sept. 20.
 Antidraft device. O. Elsebusch. 2,465,345, Mar. 29.
 Antifibrinolytic, Purifying. E. C. Loomis, A. Ryder, and C. George, Jr. 2,490,911-12, Dec. 13.
 Antifogging composition. R. L. Gilbert, Jr. 2,489,026, Nov. 22.
 Antifouling composition. R. E. Helks. 2,476,372, July 19.
 Antifouling device for cathodes. B. F. Kelley. 2,475,899, July 12.
 Antifriction ball bearing. H. L. Gordon. 2,475,493, July 5.
 Antifriction bearing. V. Palumbo. 2,488,825, Nov. 22.
 Antifriction bearing. C. H. Witthoff. 2,469,676, May 10.
 Antigen for use in the diagnosis of malaria and product thereof, Producing an. A. D. Dulaney. 2,469,456-7, May 10.
 Antiglare device. B. Waldman. 2,460,373, Feb. 1.
 Antiglare device, Retractable. C. G. Rambo. 2,491,765, Dec. 20.
 Antiglare system for automotive vehicles employing polarized light. E. H. Land. 2,458,179, Jan. 4.
 Antihunting means for control devices. M. N. Yardeny. 2,472,271, June 7.
 Antihunting means for remote-control systems. M. N. Yardeny. 2,475,269, July 5.
 Anti-icing means for aircraft. E. H. Peters, L. F. Engelhardt, and J. L. Brierton. 2,473,387, June 14.
 Antijackknife device. E. R. Price. 2,468,705, Apr. 26.
 Antijimmy tubular lock. H. G. Voight. 2,458,751, Jan. 11.
 Antiknock mixtures. G. Calingaert and J. S. Winttingham. 2,479,900-3, Aug. 23.
 Antimalarial compounds and making them. R. C. Elderfield and J. D. Head. 2,477,480, July 26.
 Antimalarials and making them. R. C. Elderfield and J. D. Head. 2,477,479, July 26.
 Antimonyl derivatives of polyhydric phenols as antioxidants. B. A. Hunter. 2,488,975, Nov. 22.
 Antioxidant. L. A. Hall and L. L. Gershebin. 2,464,927, Mar. 22.
 Antioxidant for fats. M. M. Piskur and J. W. Higgins. 2,461,080, Feb. 8.
 Antioxidants. L. H. Howland. 2,458,780, Jan. 11.
 Antioxidants for fatty materials, Production of. L. O. Buxton and C. E. Dryden. 2,461,808, Feb. 15.
 Antiplumming agents for photographic emulsions. E. B. Knott and J. Morgan. 2,461,987, Feb. 15.
 Antiroosting device. A. L. Fralin. 2,485,148, Oct. 18.
 Antirust agent. H. S. Trigg, H. D. Norris, and R. V. White. 2,490,744, Dec. 6.
 Antisiphon valve. T. C. Mahon. 2,461,830, Feb. 15.
 Antisiphonic toilet flush tank. J. C. Owens. 2,492,436, Dec. 27.
 Antiskid chain. E. Eger. 2,467,017, Apr. 12.
 Antiskid chain. H. Rätz-Ammann. 2,469,666, May 10.
 Antiskid device. H. J. Elsenhauer, Sr. 2,477,051, July 26.
 Antiskid device. B. B. Gemeny. 2,460,003, Jan. 25.
 Antiskid device. A. F. Warden and L. A. Harry. 2,474,291, June 28.
 Antiskid device for tires. J. J. Cook. 2,478,371, Aug. 9.
 Antiskid device for vehicle tires. J. A. Morrone. 2,488,426-7, Nov. 15.
 Antiskid mechanism and wheel jack, Vehicle. A. Cohen. 2,459,016, Jan. 11.
 Antislip device for shoes. A. F. Quella. 2,466,866, Apr. 12.
 Antispasmodic composition. H. M. Rabinowitz. 2,461,921, Feb. 15.
 Antisplash device for attachment to the heels of shoes or the like. E. Wellwood, R. J. McBride, W. J. Greer, and J. Wellwood. 2,472,687, June 7.
 Antisplitting means for articles of timber. G. W. Muller. 2,470,514, May 17.
 Antistain baths for sensitive color photographic material. H. C. Harsh and J. E. Bates. 2,483,971, Oct. 4.
 Antitack agent. H. M. Singleton. 2,478,718, Aug. 9.
 Antitipping device for baby carriages. H. D. Schwarzbach. 2,474,804, June 28.
 Anvil, Adjustable. R. F. Hollis. 2,470,487, May 17.
 Anvil-die and jig for holes in sheet metal. W. E. Zingsheim. 2,491,148, Dec. 13.
 Anvil unit for rivet setting machines. V. M. Caltham. 2,483,807, Oct. 4.
 Anvil with nut-positioning sleeve, Clinch nut. W. Stever. 2,474,501, June 28.
 Aperture objective having two meniscus dispersive components and two or more collective components, Wide. C. G. Wynne. 2,487,750, Nov. 8.
 Apparatus and method for aerating concrete. J. G. A. Johnson. 2,476,551, July 19.
 Apparatus and method for carrying out catalytic reactions. A. J. Johnson. 2,472,254, June 7.
 Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,801, Feb. 15.
 Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,802-3, Feb. 15.
 Apparatus and method for determining coagulability of blood. S. Shapiro. 2,478,785, Aug. 9.
 Apparatus and method for determining the scuff resistance of leather. C. W. Mann. 2,458,953, Jan. 11.
 Apparatus and method for fault locations. D. H. Nelson and J. R. Cosby. 2,476,317, July 19.
 Apparatus and method for filling gas storage cylinders. O. A. Hansen and G. H. Smith. 2,469,434, May 10.
 Apparatus and method for making curled yarn. E. Greenwood. 2,463,689, Mar. 8.
 H. Milliken. 2,450,447, Jan. 18.
 Apparatus and method for making optical devices. G. E. Fride. 2,463,908, Mar. 8.
 Apparatus and method for manufacturing capsules by upward displacement. R. W. Gunnell. 2,492,861, Dec. 27.
 Apparatus and method for measuring movement of a body. M. Blau and I. Feuer. 2,487,216, Nov. 8.
 Apparatus and method for polymerizing olefins. J. E. Moise. 2,491,752, Dec. 20.
 Apparatus and method for producing high-tenacity yarns. G. W. Seymour and D. Y. Miller. 2,480,974, Sept. 6.
 Apparatus and method for studying wave propagations. R. Gunn. 2,461,543, Feb. 15.
 Apparatus and method for treating foundry sand. G. E. Connolly. 2,478,461, Aug. 9.

- Apparatus and method of dry spinning vinyl compounds. A. F. G. Mouchiroud and J. A. Trillat. 2,472,842, June 14.
- Apparatus and method of maintaining the freshness of counter displayed vegetables. A. L. Munson and R. C. Follett. 2,469,979, May 10.
- Apparatus and method of printing. J. Bardash. 2,491,947, Dec. 20.
- Apparatus and process for catalytic reactions. E. J. Gohr, H. Z. Martin, C. E. Jahnig, C. W. Tyson, and J. M. Graham. 2,490,798, Dec. 13.
- Apparatus and process for crimping. G. Heberlein. 2,463,620, Mar. 8.
- Apparatus and process for making filaments. E. E. Lovig. 2,470,039, May 10.
- Apparatus and process useful in making copper oxide rectifiers. W. H. Sutton. 2,488,445, Nov. 15.
- Apparatus drive, Slub yarn. J. G. Kershaw. 2,480,936, Sept. 6.
- Apparatus for adding powdered dye to liquids. C. C. Keane. 2,473,474, June 14.
- Apparatus for adhesively uniting sheet materials. N. E. Weeks. 2,489,210, Nov. 22.
- Apparatus for adjusting capacitor potential devices. F. R. Schleif. 2,480,881, Sept. 6.
- Apparatus for adjusting the electrical condition of electrical analyzers. W. A. Bruce. 2,458,829, Jan. 11.
- Apparatus for adjusting the plane of the clamping elements of hydraulic testing machines. P. Kratzer. 2,489,904, Nov. 29.
- Apparatus for advancing nonmetallic plastic material. G. E. Henning. 2,471,324, May 24.
- Apparatus for agitating and dispensing frozen foods. T. Carvel. 2,491,852, Dec. 20.
- Apparatus for amplitude modulating high-frequency oscillations. C. S. Bull. 2,464,115, Mar. 8.
- Apparatus for analyzing complex waves. E. L. Kent. 2,491,186, Dec. 13.
- Apparatus for analyzing waves. T. H. Long. 2,491,189-90, Dec. 13.
- Apparatus for and method of cooling liquids. G. M. Rogers and C. O. Mackey. 2,488,881, Nov. 22.
- Apparatus for and method of digesting garbage. H. B. Schlenz. 2,458,431, Jan. 4.
- Apparatus for and method of dispensing liquefied gases. O. A. Hansen. 2,479,070, Aug. 16.
- Apparatus for and method of dressing cylindrical surfaces. C. W. Mott. 2,470,221, May 17.
- Apparatus for and method of electrooptically scanning and reproducing recorded oscillations. G. Holst and R. Vermeulen. 2,485,829, Oct. 25.
- Apparatus for and method of feeding molten glass. W. T. Honiss. 2,470,558, May 17.
- Apparatus for and method of feeding molten glass in plural charges. W. K. Berthold. 2,485,808, Oct. 25.
- Apparatus for and method of forming sheet material. G. W. Borkland. Re. 23,171, Nov. 29.
- Apparatus for and method of freezing food. H. W. Protzeller. 2,486,876, Nov. 1.
- Apparatus for and method of induction heating. W. A. Black. 2,475,348, July 5.
- Apparatus for and method of manufacturing slide fasteners. J. Soave. 2,468,643, Apr. 26.
- Apparatus for and method of percussive welding. A. B. White. 2,473,927, June 21.
- Apparatus for and method of returning purged inert gas to an absorption refrigerating system. L. McNeely. 2,473,384, June 14.
- Apparatus for and method of returning purged inert gas to an absorption refrigerating system. E. P. Whitlow. 2,480,530, Aug. 30.
- Apparatus for annealing composite glass articles. R. J. McKenzie, A. B. Scholes, and S. E. Lull. 2,482,734, Sept. 20.
- Apparatus for applying adhesive. J. S. Kamborian. 2,467,384, Apr. 19.
- Apparatus for applying adhesive strips to cans or other containers. G. K. Charles. 2,475,076, July 5.
- Apparatus for applying adhesive to two adjacent surfaces simultaneously. J. S. Kamborian. 2,491,185, Dec. 13.
- Apparatus for applying bag ties. C. O. Swenson and A. Johanson. 2,478,435, Aug. 9.
- Apparatus for applying colored film to fingernails. A. M. Gildone. 2,467,085, Apr. 12.
- Apparatus for applying covers to balls. F. T. Roberts. 2,489,387, Nov. 29.
- Apparatus for applying filamentary strands to elongated articles. T. T. Bunch. 2,488,579, Nov. 22.
- Apparatus for applying metal cases to refractory bricks. H. H. Yeager and F. O. Schob. 2,480,804, Aug. 30.
- Apparatus for applying mold weights. J. H. Hodes, Jr., and J. L. Fizzell. 2,476,374, July 19.
- Apparatus for applying plastic material to cables. L. W. Lovett, S. S. Sherrill, and A. Stiegler. 2,461,647, Feb. 15.
- Apparatus for applying serving material to a core. V. A. Rayburn. 2,488,934, Nov. 22.
- Apparatus for applying stripes of adhesive material. S. Kagen, I. Rothenberg, and S. J. Gurewitz. 2,476,097, July 12.
- Apparatus for applying tipping to propeller blades. A. H. Lambert and I. R. Barr. 2,477,626, Aug. 2.
- Apparatus for applying wax to thin sheets. H. Q. R. Crowder and E. A. Bronson. 2,470,093, May 17.
- Apparatus for approximately squaring circles. W. B. Thomson. 2,458,749, Jan. 11.
- Apparatus for assembling and sealing glass and metal parts. C. E. Hansen and J. W. Juvinall. 2,480,364, Aug. 30.
- Apparatus for assembling Venetian blinds. G. L. Sherwood. 2,489,467, Nov. 29.
- Apparatus for atomizing metal. G. J. LeBrasse and H. E. Francis. 2,460,993, Feb. 8.
- Apparatus for automatically controlling temperatures. E. S. Smith. 2,486,443, Nov. 1.
- Apparatus for automatically controlling temperatures. E. S. Smith. 2,487,037, Nov. 1.
- Apparatus for automatically controlling traffic. C. V. Laws. 2,481,126, Sept. 6.
- Apparatus for automatically processing film. V. E. Pratt, G. F. Gray, and D. E. Reed. 2,488,142, Nov. 15.
- Apparatus for baking dough products. J. H. Nutt. 2,491,687, Dec. 20.
- Apparatus for bending a curled metal edge around a reinforcing wire. E. M. Hunt. 2,480,860, Sept. 6.
- Apparatus for bending tubing into serpentine coils and sweep mechanism and index therefor. A. W. Payne and A. M. Wallace. 2,469,406, May 10.
- Apparatus for bending tubing into serpentine coils and sweep mechanism and stop therefor. A. W. Payne. 2,469,405, May 10.
- Apparatus for bleaching fatty substances. A. A. Robinson. 2,483,710, Oct. 4.
- Apparatus for blocking optical lens blanks. F. G. Fritzsche. 2,465,153, Mar. 22.
- Apparatus for brazing articles. A. C. De Lorme and C. G. Schesch. 2,463,158, Mar. 1.
- Apparatus for building tires. J. I. Haase. 2,488,863, Nov. 22.
- Apparatus for bulk handling of pineapples. M. Bainbridge, N. Fujii, and N. Morishige. 2,479,665, Aug. 23.
- Apparatus for burning fuel. R. E. Bressler. 2,467,805, Apr. 19.
- Apparatus for burning gas oil. T. Nagel. 2,483,925, Oct. 4.
- Apparatus for butt welding with induction heating. H. O. Klink. 2,480,299, Aug. 30.
- Apparatus for capping containers. F. W. Krueger. 2,472,664, June 7.
- Apparatus for carrying out catalytic reactions. E. J. Gohr and C. W. Tyson. 2,470,395, May 17.
- Apparatus for casting concrete walls. C. Tyroler. 2,477,320, July 26.
- Apparatus for casting dental restorations. I. Hordes. 2,474,105, June 21.
- Apparatus for casting massive bullion blocks. F. A. Bond. 2,480,899, Sept. 6.
- Apparatus for casting steel rolls. E. H. Mebs. Re. 23,185, Dec. 27.
- Apparatus for casting stereotype plates. C. S. Crafts. 2,470,146, May 17.
- Apparatus for catalyst regeneration. L. F. Strader. 2,480,887, Sept. 6.
- Apparatus for catalytic reactions. H. J. Ogorzaly. 2,467,850, Apr. 19.
- Apparatus for cementing wells. S. A. Winkelmann. 2,460,561, Feb. 1.
- Apparatus for centrifugal castings. W. H. Walter. 2,462,794, Feb. 22.
- Apparatus for charging ammunition boxes. G. R. Jackson. 2,464,689, Mar. 15.
- Apparatus for charging and sealing metallic bulbs. H. F. Tomasek and L. T. Ward. 2,481,042, Sept. 6.
- Apparatus for charging fibrous material into a digester. J. C. F. C. Richter. 2,459,180, Jan. 18.
- Apparatus for charging liquids with gas under pressure. C. D. Thoms. 2,473,212, Aug. 9.
- Apparatus for charging or otherwise treating liquids with gases. J. Johnson. 2,463,975, Mar. 8.
- Apparatus for checking circuit continuity and identifying wires. C. R. Parmenter. 2,488,556, Nov. 22.
- Apparatus for chilling fluids. S. Lo Gerfo. 2,470,936, May 24.
- Apparatus for chlorination processes. J. Dorsky, G. W. Mattson, and C. M. Neher. 2,458,691, Jan. 11.
- Apparatus for clarifying fluids. B. Page. 2,470,943, May 24.
- Apparatus for clarifying liquids. A. C. Lind. 2,483,706, Oct. 4.
- Apparatus for clarifying liquors. H. C. Parker. 2,473,297, June 14.
- Apparatus for cleaning drains, pipes, conduits, and the like. W. C. Kincaid. 2,482,345, Sept. 20.
- Apparatus for cleaning filamentary articles. F. D. Johnston. 2,492,046, Dec. 20.
- Apparatus for cleaning textile fibers. M. T. Hoffman. 2,463,272, Mar. 1.
- Apparatus for clearing land mines or mine fields. A. S. J. du Toit. 2,489,564, Nov. 29.
- Apparatus for coating articles. H. Osterberg and R. E. Matter. 2,469,929, May 10.
- Apparatus for coating by thermal vaporization. J. C. Ogle, Jr. 2,475,854, July 12.
- Apparatus for coating eggs for breaking. G. F. Hodson. 2,482,774, Sept. 27.
- Apparatus for coating ingot molds. A. W. Thornton, L. Stewart, and F. Susa. 2,471,049, May 24.

- Apparatus for coating pipe. R. C. Stromquist. 2,470,796, May 24.
- Apparatus for coating the interior of pipe lines. A. C. Curtis and C. S. Tomlinson. 2,480,358, Aug. 30.
- Apparatus for coating webs. L. J. Van Guelpen. 2,464,771, Mar. 15.
- Apparatus for collecting liquid sediments. N. Ferraez, Jr. 2,463,481, Mar. 1.
- Apparatus for collecting urine from horses and other animals. G. E. Arnold. 2,472,186, June 7.
- Apparatus for colorimetric gas investigation. J. D. Main-Smith, S. A. Dodd, J. Sim, H. A. Lyon, G. H. Hillier, and G. A. Earwicker. 2,489,654, Nov. 29.
- Apparatus for combining variable quantities. W. F. Dehn. 2,481,648, Sept. 13.
- Apparatus for comminution of molten metals. M. H. Meighan and K. N. Brown. 2,470,569, May 17.
- Apparatus for comparing the natural frequency of a mechanical oscillatory system with a standard frequency. F. W. Meredith. 2,479,875, Aug. 23.
- Apparatus for completing wells. R. E. Wiley. 2,492,079, Dec. 20.
- Apparatus for compressing the amplitude range of signals. W. Selove. 2,480,201, Aug. 30.
- Apparatus for conditioning soles. M. Maeser and H. Gulbrandsen. 2,488,533, Nov. 22.
- Apparatus for conducting gas-solid contact operations. L. P. Evans. 2,488,493, Nov. 15.
- Apparatus for conducting ion exchange operations. R. C. Campbell. 2,458,893, Jan. 11.
- Apparatus for conducting reactions in the presence of a contact mass. E. L. Sinclair and E. Utterback. 2,468,468, Apr. 26.
- Apparatus for conducting reactions in the presence of a solid material. J. A. Crowley, Jr. 2,469,329, May 3.
- Apparatus for connecting and disconnecting heavier-than-air aircraft while in flight. S. C. Young. 2,471,599, May 31.
- Apparatus for constructing vibration-compacted concrete slabs. A. E. Miller, G. K. Viall, and R. F. Lindow. 2,461,500, Feb. 8.
- Apparatus for contacting a liquid and a vapor. T. A. Gadwa and D. B. Flaws. 2,470,483, May 17.
- Apparatus for contacting gaseous fluids with solids. C. E. Hemminger. 2,459,425, Jan. 18.
- Apparatus for contacting gases with a solid material. J. W. Payne. 2,458,412, Jan. 4.
- Apparatus for contacting gases with solid fluent materials. R. H. Newton. 2,490,828, Dec. 13.
- Apparatus for contacting immiscible liquids. W. J. D. van Dijck. 2,488,884, Nov. 22.
- Apparatus for continuous analysis of fluid mixtures. E. J. Rosenbaum. 2,468,638, Apr. 26.
- Apparatus for continuously making vulcanized articles. G. P. Adams and G. E. Berggren. 2,478,616, Aug. 9.
- Apparatus for continuously predicting a trend in observed data. D. E. Sunstein. 2,477,395, July 26.
- Apparatus for continuously predicting trends in observed data. D. E. Sunstein. 2,474,074, June 21.
- Apparatus for continuously purifying and concentrating acid pickling liquors. N. Swindin. 2,492,333, Dec. 27.
- Apparatus for continuously separating solids of explosive from liquid. L. E. Walkup. 2,490,108, Dec. 6.
- Apparatus for continuously sheathing cores of material. G. H. Sittner. 2,478,018, Aug. 2.
- Apparatus for continuously vulcanizing strip material. R. F. Hrebek. 2,476,868, July 19.
- Apparatus for controlling brake cylinder pressure. E. S. Cook. 2,490,996, Dec. 13.
- Apparatus for controlling catalyst regeneration. F. L. Maker and W. J. McLeod. 2,487,717, Nov. 8.
- Apparatus for controlling heat in electric welding. G. E. Kentis, Jr. 2,464,402, Mar. 15.
- Apparatus for controlling pressure. R. R. McIntosh. 2,488,090, Nov. 15.
- Apparatus for controlling the coating applied to an object. T. E. Piazze. 2,466,734, Apr. 12.
- Apparatus for controlling the concentration of solutions which tend to foam. P. A. Keene. 2,490,634, Dec. 6.
- Apparatus for controlling the feed to a mill in a grinding circuit. J. A. Adams. 2,491,466, Dec. 20.
- Apparatus for controlling the selective operation of clutches. R. E. Miller. 2,464,986, Mar. 22.
- Apparatus for controlling the speed of electric motors. F. Winterburn. 2,470,595, May 17.
- Apparatus for converting heat energy into useful work. H. Milliken. 2,459,447, Jan. 18.
- Apparatus for conveying and immersing articles. J. V. Davis. 2,479,322, Aug. 16.
- Apparatus for cooling and carbonating liquids. A. J. Nicholas. 2,463,899, Mar. 8.
- Apparatus for cooling air by the evaporation of liquids. F. C. Simonds. 2,470,657, May 17.
- Apparatus for cooling bearings. W. H. Bagley and W. S. Enderich. 2,478,357, Aug. 9.
- Apparatus for cooling gaseous media by interchange of heat with cooling gases. D. A. Rhoades. 2,477,420, July 26.
- Apparatus for cooling hollow glassware. W. E. Aksomitas. 2,470,228, May 17.
- Apparatus for cooling the exhaust end of combustion tubes. C. Conc. 2,491,000, Dec. 13.
- Apparatus for corrugating sheet material. A. J. Stamm and H. D. Turner. 2,481,049, Sept. 6.
- Apparatus for covering cores. L. R. Guild. 2,466,417, Apr. 5.
- Apparatus for covering electrical coils. G. L. Welser and D. E. Key. 2,484,600, Oct. 11.
- Apparatus for crimping intercooler tubes adjacent the sides of the tube supporting plates. J. C. Thompson. 2,475,162, July 5.
- Apparatus for crimping or corrugating strip or sheet material. A. F. Dyson. 2,489,125, Nov. 22.
- Apparatus for curing green tobacco. R. D. Touton. 2,479,526, Aug. 16.
- Apparatus for cutting and baking. L. M. Roth. 2,490,545, Dec. 6.
- Apparatus for cutting book match splints. S. E. Rahe. 2,489,153, Nov. 22.
- Apparatus for cutting curved plates used in spherical tanks. K. B. Hume. 2,474,149, June 21.
- Apparatus for cutting fingernails. N. G. E. Johansson. 2,467,589, Apr. 19.
- Apparatus for cutting metal. H. G. Hughey. 2,491,563, Dec. 20.
- Apparatus for cutting the tops from beets. W. E. Urschel. 2,476,336, July 19.
- Apparatus for cutting tubes. J. L. Anderson. 2,473,559, June 21.
- Apparatus for cutting Venetian blind tapes. G. S. Mack. 2,483,587, Oct. 4.
- Apparatus for cutting wires and welding them to elements. O. J. Mueller and A. L. Babcock. 2,465,390, Mar. 29.
- Apparatus for decarburizing steel. G. V. Slottman. 2,474,701, June 28.
- Apparatus for dehumidification. B. G. Peters. 2,471,376, May 24.
- Apparatus for dehydrating materials. J. H. Carmean. 2,477,044, July 26.
- Apparatus for dehydrating natural gas. J. Simpson. 2,477,772, Aug. 2.
- Apparatus for dehydrating petroleum products in situ in tank storage. E. P. Baker. 2,460,271, Feb. 1.
- Apparatus for deleading gasoline. J. D. Morgan, S. R. Merley, and W. E. Smith. 2,470,634, May 17.
- Apparatus for delivering charges of material. A. D. Smith. 2,485,018, Oct. 18.
- Apparatus for detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,800, Feb. 15.
- Apparatus for detecting breaks of synchronism between electric machines. F. M. Cahen, A. Chevallier, and P. M. E. Henriet. 2,484,374, Oct. 11.
- Apparatus for detecting dilution or commingling of substances. H. L. Grimes. 2,475,023, July 5.
- Apparatus for detecting metal particles. C. B. Grady, Jr. 2,477,057, July 26.
- Apparatus for detecting uncapped bottles. C. C. Gingrich. 2,472,945, June 14.
- Apparatus for determining ordnance parallax correctional factors. H. C. Ford. 2,466,093, Apr. 5.
- Apparatus for determining resonant frequency of piezoelectric quartz crystal blanks. R. K. Blackburn. 2,476,954, July 26.
- Apparatus for determining right characteristics of clouds by reflection. J. Neufeld. 2,481,034, Sept. 6.
- Apparatus for determining the correct tracing of railway tracks. L. Bienfalt. 2,485,810, Oct. 25.
- Apparatus for determining the cutting and chipping resistance of plastic and rubberlike materials. W. E. Phillips. 2,458,196, Jan. 4.
- Apparatus for determining the listening habits of wave signal receiver users. R. A. Clark, Jr. 2,483,573, Oct. 4.
- Apparatus for determining the listening habits of wave signal receiver users. H. A. Rahmel. 2,484,734, Oct. 11.
- Apparatus for determining the permeability of materials. E. W. Rickmeyer. 2,460,655, Feb. 1.
- Apparatus for determining the phase relation of sinusoidal electric signals. P. Cohen. 2,490,899, Dec. 13.
- Apparatus for determining the strength of paper and other foliaceous material. A. J. J. M. van der Korput. 2,487,908, Nov. 15.
- Apparatus for determining thermal conductivity. J. Razeq. 2,484,736, Oct. 11.
- Apparatus for developing photographic paper strips. V. J. Forgett. 2,461,419, Feb. 8.
- Apparatus for dewatering paper making stock. R. H. Breyfogle. 2,476,131, July 12.
- Apparatus for dicing fruit, vegetables, and the like. D. W. Bingham. 2,492,260, Dec. 27.
- Apparatus for direction finding. T. O. McCarthy and A. P. Davis. 2,475,975, July 12.
- Apparatus for discharging from feed chutes improperly oriented cartridges. J. H. Woodberry and F. W. Hoewischer. 2,458,546, Jan. 11.
- Apparatus for dispensing ice cubes. L. G. Copeman. 2,484,017, Oct. 11.
- Apparatus for dissolving soluble solids. A. F. Black. 2,468,162, Apr. 26.
- Apparatus for drafting textile fibers. W. F. Bird. 2,471,056, May 24.
- Apparatus for drawing sheet glass. D. E. Sharp. 2,470,526, May 17.
- Apparatus for dressing fowl. H. F. Porter. 2,479,775, Aug. 23.

- Apparatus for dressing grinding wheels. E. F. White. 2,492,722, Dec. 27.
- Apparatus for dressing the grinding wheel of an internal grinder. M. Hallead. 2,459,641, Jan. 18.
- Apparatus for drying and heat-treating. A. J. Kisskalt. 2,471,964, May 31.
- Apparatus for drying and heating mineral aggregates. P. T. Ford. 2,492,792, Dec. 27.
- Apparatus for drying bagasse. C. W. Fuller. 2,481,305, Sept. 6.
- Apparatus for drying crystalline or granular materials. G. Royston. 2,480,050, Aug. 23.
- Apparatus for drying filaments. D. K. Alpern, H. M. Freyberg, and W. H. Hawkins. 2,483,378, Sept. 27.
- Apparatus for drying hair. E. R. Elder. 2,462,079, Feb. 22.
- Apparatus for drying hair. C. L. Matthews and J. L. Turner. 2,479,387-8, Aug. 16.
- Apparatus for drying having safety and sequence controls. N. Monsarrat. 2,470,043, May 10.
- Apparatus for drying lumber. B. E. Barksdale, Sr. 2,464,429, Mar. 15.
- Apparatus for drying oil. B. Clayton. 2,483,623, Oct. 4.
- Apparatus for drying paper. G. L. Bidwell. 2,484,676, Oct. 11.
- Apparatus for dumping cars. L. H. White. 2,465,502, Mar. 29.
- Apparatus for duplex photography. V. E. Pratt and G. F. Gray. 2,492,005, Dec. 20.
- Apparatus for echo distance measurement. R. E. Peterson. 2,458,415, Jan. 4.
- Apparatus for electric arc welding. N. G. Smith. 2,477,906, Aug. 2.
- Apparatus for electric welding. J. W. Dawson. 2,480,635, Aug. 30.
- Apparatus for electrically measuring strain applied in testing strength of materials. W. H. Hoppmann II, and E. C. Taylor. 2,475,614, July 12.
- Apparatus for electrically testing and classifying resistors. D. E. Sunstein. 2,468,843, May 3.
- Apparatus for electrically transforming materials. W. J. Cotton. 2,468,174, Apr. 26.
- Apparatus for electrically welding container seams. H. J. Paynter. 2,472,849, June 14.
- Apparatus for electrochemical transformation of materials. W. J. Cotton. 2,468,175, Apr. 26.
- Apparatus for electromagnetically controlling welding arcs. G. G. Landis and N. J. Hoenie. 2,472,851, June 14.
- Apparatus for electroplating. A. Brenner and T. S. Meites. 2,458,676, Jan. 11.
- Apparatus for electroplating. A. Lazaro. 2,491,925, Dec. 20.
- Apparatus for electroplating metal. L. Pessel. 2,465,747, Mar. 29.
- Apparatus for electrostatic concentration and separation. W. Byrd, Jr. 2,466,371, Apr. 5.
- Apparatus for equalized induction heating of workpieces. H. A. Strickland, Jr. 2,490,104, Dec. 6.
- Apparatus for erosion testing. L. R. Jackson and E. J. Ramaley. 2,478,659, Aug. 9.
- Apparatus for extrusion of plastic materials. W. A. La Lande, Jr. 2,488,129, Nov. 15.
- Apparatus for feeding batch to glass melting furnaces. E. H. Lorenz. 2,471,336, May 24.
- Apparatus for feeding clay to pottery molds. W. J. Miller. 2,486,051, Oct. 25.
- Apparatus for feeding flowable material from a plurality of containers. J. A. Soissa. 2,460,605, Feb. 1.
- Apparatus for feeding hay to cattle. F. T. Byers. 2,489,007, Nov. 22.
- Apparatus for feeding liquid or gaseous materials, Automatic. E. E. Harper. 2,469,230, May 3.
- Apparatus for feeding plastic ceramic material to molds in the manufacture of pottery ware. W. J. Miller. 2,489,796, Nov. 29.
- Apparatus for feeding powdered material. H. G. Hughey. 2,470,819, May 24.
- Apparatus for filling containers of pressure fluids. E. W. Jacobson, H. O. Creazzi, and J. R. Aikins. 2,462,642, Feb. 22.
- Apparatus for filling tires with air or liquid and withdrawing air or liquid therefrom. E. B. Turpin. 2,488,946, Nov. 22.
- Apparatus for film-type distillations. W. L. Semon. 2,460,602, Feb. 1.
- Apparatus for finishing packing rings. M. E. L. Pezous. 2,487,670, Nov. 8.
- Apparatus for flame cutting. F. J. Douglass. 2,460,412, Feb. 1.
- Apparatus for flame-cutting metal. W. S. Boedecker and L. M. Hinrichs. 2,491,440, Dec. 13.
- Apparatus for flanging metal clad fibrous base panels. G. H. Norquist. 2,485,649, Oct. 25.
- Apparatus for flexing hides and leather. J. T. Zihlman and S. H. Waldron. 2,474,884, July 5.
- Apparatus for floor finishing. F. H. Lyons and J. F. Ferdon. 2,468,266, Apr. 26.
- Apparatus for fluid treating and for guiding parallel traveling textile strands. J. A. Heintzelman. 2,492,574, Dec. 27.
- Apparatus for folding and winding strip material. W. Mitchell, Jr. 2,480,591, Aug. 30.
- Apparatus for folding paper and like material. J. W. Thorpe, S. W. Bussell, and S. J. Herbert. 2,484,390, Oct. 11.
- Apparatus for forging taper pins. F. S. Flick. 2,490,954, Dec. 13.
- Apparatus for forming and locking can body side seams. E. Laxo. 2,480,190, Aug. 30.
- Apparatus for forming articles of plastic material. E. A. Hawk. 2,465,450, Mar. 29.
- Apparatus for forming closed-end tubes. F. V. Collins. 2,490,416, Dec. 6.
- Apparatus for forming composite bearings. J. M. Robertson. 2,458,202, Jan. 4.
- Apparatus for forming end closures. B. H. Schenk. 2,474,917, July 5.
- Apparatus for forming felt. I. Griffith and A. P. Huchberger. 2,462,487, Feb. 22.
- Apparatus for forming fibrous sheets or paperboard. J. A. Clark and S. D. Wells. 2,489,079, Nov. 22.
- Apparatus for forming glass articles. D. B. Westin. 2,474,708, June 28.
- Apparatus for forming glass tubing, rods and the like. E. Danner. 2,462,805, Feb. 22.
- Apparatus for forming metal tapes into tubular conductors. A. Logan. 2,469,565, May 10.
- Apparatus for forming pipe covering sections. H. W. Collins. 2,489,121, Nov. 22.
- Apparatus for forming plaster-keying depression in plaster-board. G. A. Buttress. 2,479,207, Aug. 16.
- Apparatus for forming precision-bore tubing or the like. N. Brewer. 2,470,234, May 17.
- Apparatus for forming retreading strips for tires. W. G. Corson. 2,469,633, May 10.
- Apparatus for forming sheet products from paper pulp. E. L. Perry. 2,484,047, Oct. 11.
- Apparatus for forming the ends of wood pieces. J. W. Swenson. 2,470,959, May 24.
- Apparatus for forming twisted wire structures. F. A. French. 2,477,690, Aug. 2.
- Apparatus for forming wooden spoons from blanks. S. F. Montague. 2,473,720, June 21.
- Apparatus for freezing food. T. E. Klein. 2,484,297, Oct. 11.
- Apparatus for freezing ice cubes. J. Askin. 2,487,408, Nov. 8.
- Apparatus for frequency multiplication of alternating electric currents. A. H. B. Walker. 2,461,861, Feb. 15.
- Apparatus for full fusion welding of rails. E. F. Begtrup. 2,469,062, May 3.
- Apparatus for gas-solid contact operations. E. L. Sinclair. 2,460,151, Jan. 25.
- Apparatus for gas-solid contacting operations. F. J. Fontana. 2,474,834, July 5.
- Apparatus for gauging and separating defective links in ammunition belts. S. C. Olszewski. 2,463,555, Mar. 8.
- Apparatus for gauging jacks. C. W. Anderson, L. D. Hansen, and D. E. Overmyer. 2,483,867, Oct. 4.
- Apparatus for gauging tapered workpieces. F. L. Ruple. 2,490,376, Dec. 6.
- Apparatus for generating foam. H. G. Freeman, and F. Hencinski. 2,492,037, Dec. 20.
- Apparatus for graphing the elasticity of bows. J. E. James. 2,491,111, Dec. 13.
- Apparatus for grinding. A. E. Hamilton. 2,483,277, Sept. 27.
- Apparatus for grinding cultivator disks. A. J. Harty. 2,481,215, Sept. 6.
- Apparatus for halving and pitting apricots. Joseph and J. Ferrell. 2,474,492, June 28.
- Apparatus for handling and processing molten refractory materials. E. Van der Pyl. 2,489,602, Nov. 29.
- Apparatus for handling chipper knives. S. D. Payzer. 2,470,261, May 17.
- Apparatus for handling concrete and the like. C. E. Little. Re. 23,165, Nov. 8.
- Apparatus for handling flow from wells. R. A. Werts. 2,488,841, Nov. 22.
- Apparatus for handling fluids. A. O. Hubbell. 2,471,623, May 31.
- Apparatus for handling liquid suspensions. D. B. Wicker and C. W. Cox. 2,472,324, June 7.
- Apparatus for handling molten magnesium and its alloys. C. A. Pippin. 2,468,704, Apr. 26.
- Apparatus for handling motion-picture film. J. G. Capstaff. 2,469,915, May 10.
- Apparatus for handling telegraph messages with a plastic tape. C. W. Hansell. 2,476,362, July 19.
- Apparatus for handling well pipe. D. F. Johns. 2,474,846, July 5.
- Apparatus for harvesting vegetables. W. L. Sorenson. 2,463,276, Apr. 26.
- Apparatus for heat sealing the open ends of ampoules. J. L. Pujol y Font. 2,479,024, Aug. 16.
- Apparatus for heat sealing thermoplastic strips about elastic elements. S. H. Magid. 2,466,643, Apr. 5.
- Apparatus for heat-treating air-pervious strip material. H. J. Walter and P. R. Rose. 2,471,802, May 31.
- Apparatus for heat-treating piston rings. M. W. Marien and C. E. Lippmann. 2,465,897, Mar. 29.
- Apparatus for heat-treating steel. A. E. Twiehaus and P. J. Wilton. 2,466,870, Apr. 12.
- Apparatus for heat-treating surfaces of rails. A. R. Lytle. 2,484,897, Oct. 18.

- Apparatus for heating air. E. Nicholson. 2,471,972, May 31.
- Apparatus for heating and circulating spray material. D. J. Peeps. 2,461,766, Feb. 15.
- Apparatus for heating and cooling kettles. O. O. Oaks. 2,471,538, May 31.
- Apparatus for heating and drying granular material in a continuously flowing stream. W. J. Miskella. 2,474,952, July 5.
- Apparatus for heating buildings. H. A. Ratcliff. 2,468,234, Apr. 26.
- Apparatus for heating dielectric materials electronically. H. C. Gillespie. 2,464,404, Mar. 15.
- Apparatus for heating dielectric materials electronically. G. W. Klingaman. 2,464,403, Mar. 15.
- Apparatus for heating fluids. H. P. Dayton and C. H. Kollenberg. 2,473,686, Aug. 9.
- Apparatus for heating granular molding material. I. W. Cox. 2,489,753, Nov. 29.
- Apparatus for heating insulating material by subjecting it to a high-frequency field of electric force. J. C. Quayle and P. Jones. 2,463,054, Mar. 1.
- Apparatus for heating metallic articles of large surface area to volume ratio, Radio frequency. R. A. Hierwirth. 2,470,285, May 17.
- Apparatus for heating tires. J. L. Daum, R. A. McCloud, and T. P. Bacon. 2,474,517, June 28.
- Apparatus for high evacuation. E. F. Shelby. 2,469,006, May 3.
- Apparatus for high frequency dielectric heating of condenser bushings. C. J. Madsen. 2,458,012, Jan. 4.
- Apparatus for homogenizing molten glass in a forehearth. M. M. Cannon, Jr., and K. E. Peiler. 2,467,809, Apr. 19.
- Apparatus for hooding or capping bottles. W. O. Farrell. 2,485,373, Oct. 18.
- Apparatus for illustrating economic laws. J. D. Mooney. 2,485,540, Oct. 18.
- Apparatus for illustrating economic laws. J. D. Mooney. 2,488,423, Nov. 15.
- Apparatus for imparting high energy to charged particles. W. F. Westendorp. 2,480,169, Aug. 30.
- Apparatus for improving the operation of oxygen cutting torches. P. L. Betz. 2,473,465, June 14.
- Apparatus for insertion in color display devices utilizing polarized light for securing changing saturation of specific hues in fixed zones as viewed by observers. F. Burchell. 2,473,857, June 21.
- Apparatus for inspecting materials by wave trains. B. Carlin. 2,489,860, Nov. 29.
- Apparatus for inspection of the eye. H. L. Kough. 2,489,902, Nov. 29.
- Apparatus for instantaneous photography in relief at variable distances. M. Bonnet. 2,492,836, Dec. 27.
- Apparatus for introducing oxygen into molten steel. G. V. Slotman. 2,475,205, July 5.
- Apparatus for joining metallic strip. W. C. Lang. 2,478,491, Aug. 9.
- Apparatus for laminating articles. N. Whitehead. 2,490,111, Dec. 6.
- Apparatus for laminography. R. J. Stava. 2,491,224, Dec. 13.
- Apparatus for lapping part-spherical and similar surfaces. A. E. Adams. 2,465,702, Mar. 29.
- Apparatus for lasting with an adhesive. J. Fossa. 2,476,290, July 19.
- Apparatus for laterally stretching continuous sheets. C. E. and E. B. Gardner. 2,483,339, Sept. 27.
- Apparatus for launching rockets from turrets. B. Walker. 2,460,321, Feb. 1.
- Apparatus for laying out complementary cam contours. R. B. Johnson and H. A. Hendrich. 2,466,241, Apr. 5.
- Apparatus for linearizing saw-tooth waves. M. J. Larsen. 2,473,208, June 14.
- Apparatus for lining pipes. H. F. Kennison. 2,486,420, Nov. 1.
- Apparatus for linking sausage. J. H. Holstein. 2,482,911, Sept. 27.
- Apparatus for liquefying frozen food products. D. O. Brant. 2,478,893, Aug. 16.
- Apparatus for loading freight or the like. S. M. Nampa. 2,468,101, Apr. 26.
- Apparatus for locating faults in cables. R. D. Gambrill. 2,481,655, Sept. 13.
- Apparatus for locating faults in cables. R. D. Gambrill and C. B. Lewis. 2,460,688, Feb. 1.
- Apparatus for locating reflecting surfaces and for measuring the curvatures thereof. H. S. Ewing. 2,466,015, Apr. 5.
- Apparatus for low temperature gas compression. G. E. Hockens. 2,486,598, Nov. 1.
- Apparatus for magnetic field investigation. A. W. Hull. 2,468,554, Apr. 26.
- Apparatus for magnetic measurements. W. M. Powell. 2,479,699, Aug. 23.
- Apparatus for maintaining the homogeneity of fluid materials. M. E. Hansen and E. A. Yount. 2,488,773, Nov. 22.
- Apparatus for making and attaching shirrings. C. Seaman. 2,475,760, July 12.
- Apparatus for making axonometric drawings. W. G. Wilkinson. 2,462,150, Feb. 22.
- Apparatus for making bags. H. F. Shumann. 2,465,044, Mar. 22.
- Apparatus for making belts. R. E. Lindemann. 2,487,153, Nov. 8.
- Apparatus for making building materials. L. C. Karrick. 2,479,576, Aug. 23.
- Apparatus for making carbon black. C. Kaufmann and R. H. Hall. 2,492,481, Dec. 27.
- Apparatus for making cast bodies with inserted coils. A. T. Richardson and W. A. Smith. 2,480,966, Sept. 6.
- Apparatus for making closely spaced spot welds. E. J. Opitz. 2,486,319, Oct. 25.
- Apparatus for making color separation negatives. R. W. Richards. 2,474,958, July 5.
- Apparatus for making connector assemblies. J. S. Burge, W. M. Rider, J. F. S. Anderson, and H. J. McKee. 2,477,859, Aug. 2.
- Apparatus for making corkboard insulation and the like. B. R. Abbott. 2,490,765, Dec. 13.
- Apparatus for making flat plastic articles. G. A. Lyon. 2,491,507, Dec. 20.
- Apparatus for making flexible tubes. R. E. Roberts. 2,486,763, Nov. 1.
- Apparatus for making hose. K. Pape. 2,478,940, Aug. 16.
- Apparatus for making infusions. W. Brandl. 2,459,303, Jan. 18.
- Apparatus for making lead oxide. C. F. Haunz. 2,490,519, Dec. 6.
- Apparatus for making metal-glass structures. R. R. Machlett and J. W. Skehan. 2,488,302, Nov. 15.
- Apparatus for making multiply cable sheaths. R. Gillis. 2,461,860, Feb. 15.
- Apparatus for making patches. M. H. Rowe. 2,491,282, Dec. 13.
- Apparatus for making pile fabrics. V. A. Victor. 2,459,877, Jan. 25.
- Apparatus for making pipes of small diameter by centrifugal casting. J. Boucher. 2,480,284, Aug. 30.
- Apparatus for making piston rings. F. W. Wilkening. 2,467,414, Apr. 19.
- Apparatus for making plywood tubing. C. B. Hemming. 2,477,180, July 26.
- Apparatus for making powder puffs. S. Epstein and R. Bihler. 2,484,336, Oct. 11.
- Apparatus for making precision-bore tubes and other products of glass or the like. N. Brewer. 2,490,252, Dec. 6.
- Apparatus for making sealing devices. H. F. Stoffel. 2,487,032, Nov. 1.
- Apparatus for making shackle bolts. E. J. Korecky. 2,492,227, Dec. 27.
- Apparatus for making shuttlecocks. A. M. Timpé. 2,485,421, Oct. 18.
- Apparatus for making sinuous bends in long workpieces. A. W. Payne. 2,474,276, June 28.
- Apparatus for making spiders for electric lamps. J. Flaws, Jr. 2,459,513, Jan. 18.
- Apparatus for making structural shapes. D. L. Mercer. 2,471,490, May 31.
- Apparatus for making sustained load rupture tests. W. Huber. 2,467,129, Apr. 12.
- Apparatus for making tubing. C. E. Slaughter. 2,491,589, Dec. 20.
- Apparatus for making undercut ware. W. J. Miller. 2,489,797, Nov. 29.
- Apparatus for making water gas. G. R. Steere. 2,471,792, May 31.
- Apparatus for making whistles. P. A. Williams. 2,463,132, Mar. 1.
- Apparatus for making wire-cutting guides. T. F. Kenney and A. Bellavance. 2,485,495, Oct. 18.
- Apparatus for making wire rope of preformed flattened strands. J. O. Charles. 2,476,180, July 12.
- Apparatus for manufacture of fibrous articles. P. E. Ista. 2,460,129, Jan. 25.
- Apparatus for manufacture of paper. N. J. Niks. 2,473,069, June 14.
- Apparatus for manufacturing containers. A. A. Abramson. 2,483,605, Oct. 4.
- Apparatus for manufacturing hollow glass building blocks. J. L. Drake. 2,478,812, Aug. 9.
- Apparatus for manufacturing lock nuts. J. W. Neff. 2,464,410, Mar. 15.
- Apparatus for manufacturing lock nuts. J. W. Neff. 2,464,411, Mar. 15.
- Apparatus for manufacturing lock nuts. J. H. Stover, III. 2,464,729, Mar. 15.
- Apparatus for manufacturing piston ring elements. H. P. Phillips. 2,487,587, Nov. 8.
- Apparatus for manufacturing pottery ware. W. J. Miller. 2,468,404, Apr. 26.
- Apparatus for manufacturing slide fasteners. M. Voity. 2,473,623, June 21.
- Apparatus for manufacturing slide fasteners. M. Voity. 2,478,880, Aug. 9.
- Apparatus for masking articles. E. C. Moss. 2,475,434, July 5.
- Apparatus for measuring absolute pressure. C. W. Bristol. 2,477,233, July 26.
- Apparatus for measuring air velocity. L. J. Sivian. 2,492,371, Dec. 27.
- Apparatus for measuring and controlling pug mill output. E. A. Hawk. 2,484,506, Oct. 11.
- Apparatus for measuring angles. F. Turrettini. 2,465,497, Mar. 29.

- Apparatus for measuring bodies possessing a uniform wedge-shaped cross-sectional configuration. P. W. Nipert. 2,487,667, Nov. 8.
- Apparatus for measuring differential speed. G. H. Rendel. 2,474,116, June 21.
- Apparatus for measuring distortion temperature of plastic materials. C. R. Stock. 2,479,984, Aug. 23.
- Apparatus for measuring electrical resistance. H. G. Taylor. 2,458,805, Jan. 11.
- Apparatus for measuring field intensity in high-frequency electric fields. E. C. Cork. 2,458,565, Jan. 11.
- Apparatus for measuring high-frequency energy. J. W. Coltman. 2,488,378, Nov. 15.
- Apparatus for measuring high resistance. J. Razek. 2,461,923, Feb. 15.
- Apparatus for measuring humidity. P. Cilley. 2,461,310, Feb. 8.
- Apparatus for measuring liquid level or specific gravity. W. H. Howe. 2,460,503, Feb. 1.
- Apparatus for measuring or indicating roughness or modulations of a surface. R. E. Reason and D. R. Berridge. 2,471,009, May 24.
- Apparatus for measuring or indicating the roughnesses or undulations of a surface. R. E. Reason. 2,491,016, Dec. 13.
- Apparatus for measuring or indicating the roughnesses or undulations of surfaces. R. E. Reason. 2,471,009, May 24.
- Apparatus for measuring oxygen. E. L. Kells and D. H. Larsen. 2,476,304, July 19.
- Apparatus for measuring small dimensional changes. C. G. Hard af Segerstad. 2,478,391, Aug. 9.
- Apparatus for measuring the drying time of surface-coating materials. H. W. Keenan and J. H. Jellinek. 2,488,869, Nov. 22.
- Apparatus for measuring the stiffness of flexible material. R. F. Taber. 2,465,180, Mar. 22.
- Apparatus for measuring the viscosity of a liquid in a tank. A. S. Norcross. 2,491,389, Dec. 13.
- Apparatus for measuring torques. J. D. Burke and F. A. Crooks. 2,486,632, Nov. 1.
- Apparatus for measuring voltages or electric field intensities in high-frequency electrical transmission lines and wave guides. J. Collard. 2,478,007, Aug. 2.
- Apparatus for mechanically displacing a microscope specimen support or the like. S. Krassilnikian and B. Heller. 2,490,970, Dec. 13.
- Apparatus for melting chocolate and other confections. H. Ashworth and P. W. Doblin. 2,469,709, May 10.
- Apparatus for metal melting. K. Marsh. 2,465,545, Mar. 29.
- Apparatus for metals distillation. D. S. Chisholm and T. Griswold, Jr. 2,458,253, Jan. 4.
- Apparatus for meteorological instruction. R. R. Spafford. 2,486,502, Nov. 1.
- Apparatus for metering the fuel supplied to prime movers. R. H. D. Chamberlin, C. H. L. Wynne, and J. Skellern. 2,474,033, June 21.
- Apparatus for microwave heating of dielectric materials. T. P. Kinn. 2,466,853, Apr. 12.
- Apparatus for mixing fine solids and for discharging uniform portions thereof. C. B. Bewald. 2,464,788, Mar. 22.
- Apparatus for mixing liquids or the like. B. Goldman. 2,491,656, Dec. 20.
- Apparatus for mixing paint. M. D. McCauley. 2,476,674, July 19.
- Apparatus for molding. F. M. Adair, A. J. Brunner, and B. M. A. Trebes. 2,460,964, Feb. 8.
- Apparatus for molding building blocks. A. H. Hawes. 2,469,599, May 10.
- Apparatus for molding glass. H. P. Hood. 2,472,660, June 7.
- Apparatus for molding plastic sheet material. B. N. Sikka, G. Singh, and L. C. Verman. 2,484,656, Oct. 11.
- Apparatus for molding plastics. S. K. Moxness. 2,476,558, July 19.
- Apparatus for molding reflector devices. J. C. Haggart, Jr. 2,479,350, Aug. 16.
- Apparatus for molding sealing rings. H. J. Knaggs. 2,473,284, June 14.
- Apparatus for molding slide fastener sliders. P. Natzler. 2,487,359, Nov. 8.
- Apparatus for molding stepped cylindrical articles. G. L. Cherry and W. J. Scott. 2,488,581, Nov. 22.
- Apparatus for molding wax. J. V. Cowan. 2,461,723, Feb. 15.
- Apparatus for mounting work in a holder. E. E. Stevenson. 2,471,661, May 31.
- Apparatus for multiarc welding. C. W. Stewart and M. R. Rivenburgh. 2,478,985, Aug. 16.
- Apparatus for obtaining X-ray diffraction patterns. R. W. Long. 2,483,500, Oct. 4.
- Apparatus for oiling parts. D. C. Robson. 2,471,978, May 31.
- Apparatus for opening sheet metal seam locks. W. Birks. 2,479,200, Aug. 16.
- Apparatus for operating gas turbine plants with high-pressure and low-pressure turbines. W. Traupel. 2,485,023, Oct. 18.
- Apparatus for operating on soles. A. R. Ridderstrom. 2,488,329, Nov. 15.
- Apparatus for packaging material. N. E. Dorrington and J. A. Dyker. 2,469,954, May 10.
- Apparatus for packing asparagus. H. E. Kelly and H. A. Howard. 2,458,858, Jan. 11.
- Apparatus for packing bearings. W. F. Owens. 2,489,809, Nov. 29.
- Apparatus for packing coffee. G. A. Moore. 2,481,611, Sept. 13.
- Apparatus for packing products of variable weight. E. H. Carruthers. 2,470,976, May 24.
- Apparatus for painting gas holders. L. B. Donovan. 2,462,368, Feb. 22.
- Apparatus for paper manufacture. G. L. Bidwell. 2,488,700, Nov. 22.
- Apparatus for pasting skins. R. L. Griffin and N. Y. Moore. 2,488,907, Nov. 22.
- Apparatus for peeling fruits and vegetables. O. P. Pierson. 2,477,006, July 26.
- Apparatus for peeling vegetables and fruits. R. H. Winters. 2,490,112, Dec. 6.
- Apparatus for perforating metallic strips. J. E. Socke. 2,472,863, June 14.
- Apparatus for photographing titles on motion-picture films. J. L. Rex. 2,458,301, Jan. 4.
- Apparatus for plasticating thermoplastic materials. T. Wachs. 2,468,346, Oct. 25.
- Apparatus for plasticizing and straining plastic material. G. E. Henning. 2,488,595, Nov. 22.
- Apparatus for plating journals of crankshafts. G. E. Millard. 2,473,290, June 14.
- Apparatus for pottery appendaging. W. J. Miller. 2,489,798, Nov. 29.
- Apparatus for precooling refrigerator cars, consisting of a heat-exchange unit temporarily inserted into the car and vertically movable therein. H. M. Hincz. 2,477,250, July 26.
- Apparatus for preparing bast fibrous plants and process. J. L. White and H. W. Hawker. 2,480,067, Aug. 23.
- Apparatus for preparing bungs of ceramic ware for firing. R. E. Gould. 2,469,229, May 3.
- Apparatus for preparing coffee substitutes. E. Weissman. 2,472,636, June 7.
- Apparatus for preparing cold-rolled strip metal. A. Bohlin. 2,479,809, Aug. 23.
- Apparatus for preparing fiber products. R. A. Smith. 2,481,048, Sept. 6.
- Apparatus for preparing investment materials. A. B. Dunlop. 2,480,454, Aug. 30.
- Apparatus for preparing printing plates. D. Belcher and S. C. Freeman. 2,491,027, Dec. 13.
- Apparatus for pressing ends into cylindrical shells. D. C. Morgan, Jr. 2,459,954, Jan. 25.
- Apparatus for preventing overspeeding. W. J. Pearce. 2,468,459, Apr. 26.
- Apparatus for preventing radio interference. W. C. Hall. 2,466,024, Apr. 5.
- Apparatus for preventing radio interference. W. C. Hall. 2,466,311, Apr. 5.
- Apparatus for printing on fabrics, paper, or the like. F. Jáné. 2,485,289, Oct. 18.
- Apparatus for processing packaged products. H. L. Smith, Jr. 2,491,421, Dec. 13.
- Apparatus for processing yarn. A. L. Ewing. 2,481,916, Sept. 13.
- Apparatus for producing a convergent X-ray beam. L. K. Frevel. 2,472,745, June 7.
- Apparatus for producing bags. L. B. Eaton. 2,475,950, July 12.
- Apparatus for producing cement clinker and the like. J. C. Witt. 2,489,211, Nov. 22.
- Apparatus for producing false selvages upon woven fabrics. A. F. Morel. 2,465,254, Mar. 22.
- Apparatus for producing fibers. C. J. Stalego. 2,489,508, Nov. 29.
- Apparatus for producing finely divided particles. W. J. Klaassen. 2,466,443, Apr. 5.
- Apparatus for producing hollow rubber articles. D. C. Kempthorn. 2,468,760, May 3.
- Apparatus for producing hot gases. A. Meyer. 2,465,464, Mar. 29.
- Apparatus for producing minute orifices. J. R. Bowman and F. F. Versaw. 2,463,239, Mar. 1.
- Apparatus for producing photographic multiple copies. J. S. Stoner and A. H. Luitjens. 2,459,552, Jan. 18.
- Apparatus for producing reentrant magnetic records. J. H. Hammond, Jr. 2,475,742, July 12.
- Apparatus for producing seamless tubes. E. C. Sleeman. 2,458,110, Jan. 4.
- Apparatus for producing surgical splints or casts. P. O. Solon. 2,483,715, Oct. 4.
- Apparatus for production of relief surfaces. R. L. Bates. 2,472,273, June 7.
- Apparatus for progressively advancing workpieces through working zones. J. S. Kamborian. 2,467,387, Apr. 19.
- Apparatus for progressively enameling continuous metal sheeting. W. G. Martin. 2,469,123, May 3.
- Apparatus for progressively melting and dispensing solidified materials. J. W. Kuehn and M. J. Rosefield. 2,472,594, June 7.
- Apparatus for projecting and viewing images with depth effect. A. E. de los Monteros. 2,468,046, Apr. 26.
- Apparatus for projecting stereopictures. F. A. Ramsdell. 2,463,311, Mar. 1.
- Apparatus for promoting recirculation and reducing ebullition and priming in evaporators. D. Sandford. 2,479,267, Aug. 16.
- Apparatus for protecting electric power systems. R. B. Bush. 2,464,553, Mar. 15.

- Apparatus for protecting furnace tuyères. E. M. Baldwin and R. L. Thompson. 2,478,077, Aug. 2.
- Apparatus for providing soft water where no water pressure system exists. E. J. Culligan. 2,482,727, Sept. 20.
- Apparatus for purifying and feeding sample gas. C. Johnson. 2,489,893, Nov. 29.
- Apparatus for purifying sewage and industrial wastes. J. T. Travers. 2,486,691, Nov. 1.
- Apparatus for raising and lowering shelving out of and into storage cabinets. A. Leutheuser. 2,490,694, Dec. 6.
- Apparatus for raising natural oils and other liquids by gaseous pressure. N. F. Brown. 2,458,053, Jan. 4.
- Apparatus for reactions requiring short contact time. B. E. Roetheli and W. G. Scharmann. 2,458,960, Jan. 11.
- Apparatus for receiving facsimile signals. C. J. Young. 2,486,511, Nov. 1.
- Apparatus for receiving frequency-modulated waves. C. T. McCoy. 2,462,759, Feb. 22.
- Apparatus for reclaiming used foundry sand. R. L. Luce and A. D. Brejon. 2,480,748, Aug. 30.
- Apparatus for recording and computing working time. A. J. Findlay. 2,476,717, July 19.
- Apparatus for recording intermittent operation of a machine. S. P. Hunt. 2,491,110, Dec. 13.
- Apparatus for recording of rapidly varying processes. E. Jacobi. 2,477,062, July 26.
- Apparatus for recording the dilations of an artery. E. B. Colegrave and T. G. Richards. 2,478,372, Aug. 9.
- Apparatus for refining metals. A. W. Schlechtan, W. J. Kroll, and L. A. Yerkes. 2,482,127, Sept. 20.
- Apparatus for refining zinciferous lead. W. W. Shropshire. 2,462,783, Feb. 22.
- Apparatus for refinishing tampico rolls and brushes. O. A. Widerberg and W. A. Wallsten. 2,469,095, May 3.
- Apparatus for reforming crown caps. H. A. Fink. 2,475,830, July 12.
- Apparatus for registering can body blanks. E. Laxo. 2,480,192, Aug. 30.
- Apparatus for regulating windows. R. Cadwallader. 2,478,523, Aug. 9.
- Apparatus for removing and replacing wheels. J. A. Polivka and J. R. Searles. 2,463,419, Mar. 1.
- Apparatus for removing foreign matter from fluid. P. J. Lindner. 2,478,290, Aug. 9.
- Apparatus for removing forms from concrete blocks. F. H. Jones. 2,480,477, Aug. 30.
- Apparatus for removing icicles from the eaves of buildings. B. F. Liston. 2,469,971, May 10.
- Apparatus for removing residual thread from bobbins. J. J. Wilson. 2,458,326, Jan. 4.
- Apparatus for removing snow and the like. E. R. Greer. 2,474,840, July 5.
- Apparatus for repairing tire beads. J. Horton-Wellings. 2,479,493, Aug. 16.
- Apparatus for reproducing characters and the like. S. H. Tillett and B. D. Feldt. 2,474,406, June 28.
- Apparatus for reproducing electric signals, particularly television reproducers. A. H. Rosenthal. 2,472,988, June 14.
- Apparatus for resetting cathode-ray oscillographs. A. M. Zarem and R. D. Weinhold. 2,477,847, Aug. 2.
- Apparatus for reshaping metal articles. G. Grimes. 2,478,915, Aug. 16.
- Apparatus for resistance welding. E. J. Zulinski and R. Barley. 2,458,758, Jan. 11.
- Apparatus for resoling rubber boots and the like. J. W. La Follette. 2,460,832, Feb. 8.
- Apparatus for rolling flanges on tubes. E. F. Lohmann. 2,469,775, May 10.
- Apparatus for rolling screws. W. A. De Vellier. 2,483,186, Sept. 27.
- Apparatus for saturating fabrics. F. W. Adams. 2,462,297, Feb. 22.
- Apparatus for scraping the walls of well bores. J. F. Lockwood. 2,482,985, Sept. 27.
- Apparatus for screening fibrous suspensions. N. W. Jönsson. 2,464,581, Mar. 15.
- Apparatus for scribing circles on cylindrical members. C. A. Dimmock, Jr. 2,474,041, June 21.
- Apparatus for scribing instruments. R. P. Chanfrau. 2,482,743, Sept. 27.
- Apparatus for seam welding elbows. E. A. Mallett and R. W. Pearson. 2,489,224, Nov. 22.
- Apparatus for seismic prospecting. A. B. Hildebrandt. 2,483,770, Oct. 4.
- Apparatus for seismic prospecting. R. U. McKinney. 2,490,461, Dec. 6.
- Apparatus for selective vapor coating. G. L. Dimmick. 2,482,329, Sept. 20.
- Apparatus for selectively packing products of variable weight. E. H. Carruthers. 2,470,916, May 24.
- Apparatus for separating materials. M. A. Walker. 2,491,912, Dec. 20.
- Apparatus for separating oil from refrigerant vapors. W. Kals. 2,476,044, July 12.
- Apparatus for separating suspended particles from gases. J. L. Burdock, P. F. Best, and C. B. McBride. 2,461,677, Feb. 15.
- Apparatus for separating suspended particles from gases. J. E. Watson and C. B. McBride. 2,472,995, June 14.
- Apparatus for separating whites and yolks of eggs. G. L. Lane, H. M. Lichtenfeld and J. B. Austin. 2,488,473, Nov. 15.
- Apparatus for setting finishing compositions. R. A. Liebel. 2,469,270, May 3.
- Apparatus for severing towlines and the like. A. B. Schultz. 2,460,194, Jan. 25.
- Apparatus for shaping containers. G. C. Erb. 2,462,080, Feb. 22.
- Apparatus for shaking out castings. G. W. Behnke, R. G. Westcott, and J. Sandula. 2,489,074, Nov. 22.
- Apparatus for shaping flanges on dished heads. J. H. L. Olson. 2,490,880, Dec. 13.
- Apparatus for shaping sheets. J. H. Engel. 2,487,966, Nov. 15.
- Apparatus for sharpening implement disks. C. R. Hodges. 2,487,709, Nov. 8.
- Apparatus for simulating naval vessels and their maneuvers. W. G. Gorton, F. Pulsifer, and A. M. Skudre. 2,491,308, Dec. 13.
- Apparatus for simultaneously grinding a plurality of like knife elements. H. Vossler. 2,490,848, Dec. 13.
- Apparatus for simultaneously inductively heating a plurality of articles. A. O. Wood. 2,471,471, May 31.
- Apparatus for sizing and setting articles such as piston rings. T. A. Bowers. 2,478,231, Aug. 9.
- Apparatus for slicing ham on the bone. H. J. Hoenselaar. 2,470,078, May 10.
- Apparatus for slicing of extruded plastic materials. G. H. Searle and W. D. L. Webb. 2,491,395, Dec. 13.
- Apparatus for small fishing craft, Portable propelling. A. Montalbano. 2,468,889, May 3.
- Apparatus for solution of Snell's law. G. M. McGuckin. 2,463,788, Mar. 8.
- Apparatus for sonic pulverization and dispersion of materials. T. Robinson. 2,462,554, Feb. 22.
- Apparatus for sonic pulverization and dispersion of materials. T. Robinson. 2,468,515, Apr. 26.
- Apparatus for spacing and fixing fins on tubes. F. M. Bennett and C. J. Weaver. 2,481,490, Sept. 13.
- Apparatus for splicing adhesive sheet material. C. W. Leguillon. 2,487,149, Nov. 8.
- Apparatus for splicing strip material. C. W. Leguillon and F. Slusher. 2,490,692, Dec. 6.
- Apparatus for stabilizing the electric welding arc. G. J. Gibson. 2,475,183, July 5.
- Apparatus for stacking and conveying objects. G. H. Harred. 2,466,544, Apr. 5.
- Apparatus for stepping up direct-current voltage. C. C. Shumard. 2,477,095, July 26.
- Apparatus for sterilizing liquids by irradiating means. G. G. Ellner. 2,485,267, Oct. 18.
- Apparatus for storing and dispensing stacked articles. W. J. Gibbs. 2,461,638, Feb. 15.
- Apparatus for straightening articles that soften under heat. H. H. Snyder and S. A. Forter. 2,463,650, Mar. 8.
- Apparatus for straightening axles and the like. M. S. Merrill and R. W. Becker. 2,481,766, Sept. 13.
- Apparatus for straightening strip material. H. H. Talbot. 2,491,782, Dec. 20.
- Apparatus for stretch forming hard metal alloys. R. E. Berger and H. F. Hessler. 2,486,817, Nov. 1.
- Apparatus for stretching. F. J. Young. 2,473,404, June 14.
- Apparatus for stretching and straightening shoes. F. F. van Buerden. 2,473,229, June 14.
- Apparatus for stretching elastic covers. V. H. Hasselquist. 2,462,318, Feb. 22.
- Apparatus for stripping and drying artificial sausage skins. J. Wolff. 2,469,621, May 10.
- Apparatus for stripping bark from step-by-step advanced sawmill edgings or slabs. J. R. Roberts. 2,492,321, Dec. 27.
- Apparatus for stripping finely divided solids. C. W. Tyson. 2,472,502, June 7.
- Apparatus for subaqueous geologic prospecting. W. B. Lang. 2,476,309, July 19.
- Apparatus for subjecting material to the action of split electrical discharges. E. T. Denton. 2,468,176, Apr. 26.
- Apparatus for successively clamping and deforming tube ends. Fluid pressure. H. E. Hull and T. H. Rote. 2,478,102, Aug. 2.
- Apparatus for successively displaying the foremost article from an assemblage of articles. C. C. Harris and L. T. Bassett. 2,486,841, Nov. 1.
- Apparatus for successively making approximate and final adjustments. P. W. Wyckoff. 2,463,931, Mar. 8.
- Apparatus for supervising heat generating means. E. C. Thomson. 2,460,314, Feb. 1.
- Apparatus for supervising the running state of the piston of reciprocating machines. H. Lieberherr. 2,465,735, Mar. 29.
- Apparatus for supplying a treating gas. G. Ornstein. 2,485,840, Oct. 25.
- Apparatus for supplying abrasive to buffing wheels. J. P. Creamer. 2,471,727, May 31.
- Apparatus for supplying air to cupola furnaces. H. A. Reece. 2,471,775, May 31.
- Apparatus for suspended catalyst operations. E. A. Johnson. 2,477,751, Aug. 2.
- Apparatus for taking cinematographic pictures on continuously fed film. M. Geradin. 2,466,411, Apr. 5.

- Apparatus for taking radiographs. H. H. Hook. 2,459,528, Jan. 18.
- Apparatus for testing adjustable resistances. J. O. Hamilton and L. J. Rozankowski. 2,469,465, May 10.
- Apparatus for testing cables. L. E. Weaver. 2,477,023, July 26.
- Apparatus for testing conductors. W. D. Boynton. 2,476,278, July 19.
- Apparatus for testing cylinders. J. E. Longley. 2,479,847, Aug. 23.
- Apparatus for testing draft gears. A. E. Dentler and G. E. Dath. 2,488,619, Nov. 22.
- Apparatus for testing electrical continuity. W. D. Boynton. 2,476,279, July 19.
- Apparatus for testing electrical devices. S. Bock. 2,490,406, Dec. 6.
- Apparatus for testing fluid operated switches. G. H. Leonard. 2,490,821, Dec. 13.
- Apparatus for testing foundry sand. C. Locke. 2,466,453, Apr. 5.
- Apparatus for testing friction. F. Hausmann. 2,486,280, Oct. 25.
- Apparatus for testing gyroscopic instruments. J. Austin. 2,490,574, Dec. 6.
- Apparatus for testing hydraulic and electric propeller governors. R. D. Maystead. 2,468,635, Apr. 26.
- Apparatus for testing ignition systems for internal-combustion engines. F. R. F. Ramsay. 2,487,071, Nov. 8.
- Apparatus for testing insulated wire and cable. H. B. Slade. 2,460,107, Jan. 25.
- Apparatus for testing insulating materials. M. Muskat and N. D. Coggeshall. 2,463,297, Mar. 1.
- Apparatus for testing lubricating oils. E. C. Hughes, J. D. Bartleson, M. L. Sunday, and M. M. Fink. 2,464,233, Mar. 15.
- Apparatus for testing materials. J. T. Cataldo. 2,464,213, Mar. 15.
- Apparatus for testing on the ground ejection seats intended for use in aircraft. J. Martin. 2,467,764, Apr. 19.
- Apparatus for testing porro prisms using nonparallel light. J. H. McLeod. 2,476,426, July 19.
- Apparatus for testing pressure gauges. W. Eck. 2,459,769, Jan. 18.
- Apparatus for testing telephone calling dials. H. J. Thielker. 2,470,002, May 10.
- Apparatus for testing the accuracy of movements. C. Berkley. 2,473,700, June 21.
- Apparatus for testing the electrical ignition systems of internal-combustion engines. F. R. F. Ramsay. 2,487,070, Nov. 8.
- Apparatus for testing the machineability of metals. G. Schlesinger. 2,465,757, Mar. 29.
- Apparatus for testing the speed of calling dials. O. C. From. 2,489,282, Nov. 29.
- Apparatus for testing voltage regulators. L. R. Nixon. 2,472,545, June 7.
- Apparatus for the automatic indication of the viscosity or concentration in liquids. K. T. Källe. 2,468,370, Apr. 26.
- Apparatus for the centrifugal molding of solid articles from plastic materials. R. Williams. 2,476,395, July 19.
- Apparatus for the combustion of fuel. C. A. Bonvillian, R. C. Briery, and S. Letvin. 2,465,791, Mar. 22.
- Apparatus for the construction of desk, table, or counter tops. J. H. Brinker and F. Conley. 2,489,118, Nov. 22.
- Apparatus for the control of cooling systems. T. J. Lehan and E. H. Burgess. 2,462,514, Feb. 22.
- Apparatus for the conversion of fluid reactants. L. C. Huff. 2,463,623, Mar. 8.
- Apparatus for the cooling of heated objects. A. Schupp. 2,460,150, Jan. 25.
- Apparatus for the desiccation of organic substances. F. E. Hurd. 2,471,035, May 24.
- Apparatus for the development of prints by means of ammonia gas. K. E. Berggren. 2,492,781, Dec. 27.
- Apparatus for the dimpling of hard metal alloys. H. E. Veit. 2,483,798, Oct. 4.
- Apparatus for the distillation and fractionation of composite liquids and control means therefor. L. B. Bragg, C. A. Schwarzler, and C. J. Brown. 2,476,280, July 19.
- Apparatus for the distribution of pulverulent products. C. Nicolle. 2,483,148, Sept. 27.
- Apparatus for the electrochemical transformation of materials. W. J. Cotton. 2,463,173, Apr. 26.
- Apparatus for the erection of concrete buildings. B. Miller. 2,492,171, Dec. 27.
- Apparatus for the flow manufacture of sheet material. P. F. Skoog. 2,459,295, Jan. 18.
- Apparatus for the fluid treatment of thread or the like. K. M. McLellan. 2,460,261, Jan. 25.
- Apparatus for the game of tug of war. F. Peters. 2,485,768, Oct. 25.
- Apparatus for the heat processing of canned products. E. J. Hanna. 2,472,970, June 14.
- Apparatus for the manufacture of abrasives. R. P. Carlton. 2,463,241, Mar. 1.
- Apparatus for the manufacture of half shades. A. J. Emmenegger. 2,465,075, Mar. 22.
- Apparatus for the manufacture of plastic molding powders. J. Sandler. 2,477,269, July 26.
- Apparatus for the manufacture of studs. A. J. Randolph. 2,473,543, June 21.
- Apparatus for the manufacture of tubular glassware. E. Danner. 2,462,807, Feb. 22.
- Apparatus for the manufacture of turned footwear. J. Zelinka. 2,489,555, Nov. 29.
- Apparatus for the observation and counting of microscopic bodies. G. C. Wolf. 2,480,312, Aug. 30.
- Apparatus for the operating of internal-combustion engines. H. Lieberherr. 2,489,910, Nov. 29.
- Apparatus for the permanent waving of hair. O. Elsässer and C. Ronzi. 2,461,883, Feb. 15.
- Apparatus for the photographic reproduction of documents. A. V. L. C. Debie. 2,458,769, Jan. 11.
- Apparatus for the preparation of artificial materials. W. Pool. 2,485,772, Oct. 25.
- Apparatus for the preparation of porous slags or other smelts. M. Gallai-Hatchard. 2,464,858, Mar. 22.
- Apparatus for the production of artificial casings. F. H. Reichel. 2,492,440, Dec. 27.
- Apparatus for the production of artificial filaments. J. E. Bludworth and C. Hutson. 2,482,834, Sept. 27.
- Apparatus for the radiation or reception of electromagnetic waves. E. C. Cork and M. Bowman-Manifold. 2,459,768, Jan. 18.
- Apparatus for the recovery of copper. F. E. Ralph. 2,475,676, July 12.
- Apparatus for the recovery of crude benzole from benzolized wash-oil. D. Rider and W. J. Chadder. 2,468,514, Apr. 26.
- Apparatus for the recovery of heat and chemicals from furnace gases. F. G. Ely, and C. E. Rogers. 2,463,757, Mar. 8.
- Apparatus for the top separation of nitrotoluene. M. H. Carl. 2,461,141, Feb. 8.
- Apparatus for the treatment of fabrics. R. P. Allen. 2,472,057, June 7.
- Apparatus for the treatment of molten metals. R. C. Cornell. 2,472,465, June 7.
- Apparatus for the treatment of webs or fleeces. T. Merchant. 2,479,759, Aug. 23.
- Apparatus for thermostatically controlling the flow of a fluid fuel. G. T. Salinger. 2,492,445, Dec. 27.
- Apparatus for thrashing podded or shell inclosed field crops. J. A. Cass. 2,458,345, Jan. 4.
- Apparatus for tinning steel. W. F. Grupe. 2,458,509, Jan. 11.
- Apparatus for tire building. Drum collapsing. F. S. Sternad and J. P. Sapp. 2,479,027, Aug. 16.
- Apparatus for training aircraft personnel in radio navigation. A. P. Stuhman and C. W. McKee. 2,485,331, Oct. 18.
- Apparatus for training bombardiers. G. F. Daly, B. H. Phillips, and G. V. A. Malmros. 2,478,250, Aug. 9.
- Apparatus for training pilots and other aircraft personnel. J. M. Cunningham. 2,472,888, June 14.
- Apparatus for transfer molding. F. P. Lyons. 2,463,401, Mar. 1.
- Apparatus for transferring material. R. N. Thompson. 2,462,691, Feb. 22.
- Apparatus for transmission of radiotelegraphic signals relating to sea or river levels at the site of installation. C. Hansen. 2,466,099, Apr. 5.
- Apparatus for transmitting changes in gauge conditions. H. D. Giffen. 2,484,218, Oct. 11.
- Apparatus for treating crude oil emulsions. A. V. B. Candler. 2,484,205, Oct. 11.
- Apparatus for treating crude oil vapors. A. V. B. Candler. 2,468,958, May 3.
- Apparatus for treating gaseous media. C. G. Smith. 2,463,569, Mar. 8.
- Apparatus for treating hollow bodies. J. Gogan. 2,458,587, Jan. 11.
- Apparatus for treating material with a gas. A. W. Arnold. 2,461,154, Feb. 8.
- Apparatus for treating molder's sand. S. B. Davies. 2,488,381, Nov. 15.
- Apparatus for treating motion-picture film. E. Meschter. 2,473,382, June 14.
- Apparatus for treating oil and gas bearing strata. S. D. Sprong. 2,472,445, June 7.
- Apparatus for treating pipes. A. and L. Perrault. 2,471,580, May 31.
- Apparatus for treating skins. G. Dempsey. 2,469,636, May 10.
- Apparatus for treating strands. A. Cresswell. 2,485,957, Oct. 25.
- Apparatus for treating surfaces. H. Osterberg. 2,479,541, Aug. 16.
- Apparatus for tree culture, Moisture measuring and callibrating. R. J. Hagerty. 2,468,972, May 3.
- Apparatus for trenching. A. B. Heath. 2,484,709, Oct. 11.
- Apparatus for trimming fish. H. P. Smith. 2,483,508, Oct. 4.
- Apparatus for turbine temperature analysis. H. B. Saldin. 2,463,566, Mar. 8.
- Apparatus for turning wood heels. J. P. and L. G. P. Quirk. 2,462,673, Feb. 22.
- Apparatus for uninterrupted reproduction of disk phonograph records. R. E. Stanton. 2,462,435, Feb. 22.
- Apparatus for unwinding and winding web material. E. W. Clem. 2,486,006, Oct. 25.
- Apparatus for upsetting blind rivets having right angle bend in stem. E. H. Shaff. 2,473,913, June 21.

- Apparatus for use in attaching soles to the uppers of boots and shoes. E. A. Hammarsjö. 2,484,289, Oct. 11.
- Apparatus for use in making precoiled helical fins. E. Bruegger. 2,469,223, May 3.
- Apparatus for use in obstetrics, Electrical. F. Benoit. 2,470,970, May 24.
- Apparatus for use in transmitting angular movement. H. Phillips. 2,490,918, Dec. 13.
- Apparatus for vacuum sealing canned food. W. J. Chambers. 2,457,867, Jan. 4.
- Apparatus for vacuum tube transportation. R. H. Goddard. 2,488,287, Nov. 15.
- Apparatus for varying the temperatures of traveling containers. J. L. Herold, W. J. Nekola, and F. W. Wehmiller. 2,466,769, Apr. 12.
- Apparatus for visual detection of illuminated suspended matter in fluids. H. C. Grant, Jr. 2,485,588, Oct. 25.
- Apparatus for vulcanizing articles. A. N. Gray. 2,461,600, Feb. 15.
- Apparatus for vulcanizing tubular articles. J. F. Paulsen. 2,483,709, Oct. 4.
- Apparatus for washing air. A. B. Clark, and J. C. Buck. 2,491,645, Dec. 20.
- Apparatus for washing and cooling gases. M. Culkosky. 2,485,038, Oct. 18.
- Apparatus for washing clothes with an oscillatable agitator. T. E. D. Bilde. 2,491,080, Dec. 13.
- Apparatus for washing glass sheets. C. B. Williams, Jr., and W. H. Meyer. 2,490,289, Dec. 6.
- Apparatus for washing plant products. O. M. Harlow. 2,467,888, Apr. 19.
- Apparatus for washing the side seams of can bodies. W. McK. Martin, W. F. Pillnik, and D. E. Wobbe. 2,461,559, Feb. 15.
- Apparatus for wetting railway cars. J. T. McGarry. 2,490,736, Dec. 6.
- Apparatus for weighing and sorting articles. E. H. Caruthers. 2,490,945, Dec. 13.
- Apparatus for welding. A. Rava. 2,464,528, Mar. 15.
- Apparatus for welding the seams of tubular articles. W. J. Goettings. 2,483,973, Oct. 4.
- Apparatus for working plastic material. C. H. Parmelee and A. J. Briggs. 2,470,638, May 17.
- Apparatus for working sheet metal. F. Anderson. 2,480,826, Sept. 6.
- Apparatus for wrapping fishing rods and the like. D. D. Baker. 2,475,305, July 5.
- Apparatus for wrapping shrubs. E. H. Young and A. W. Nowacki. 2,467,286, Apr. 12.
- Apparatus having relatively movable members and fastening mechanism therefor. A. A. Saul. 2,492,818, Dec. 27.
- Apparatus including an altimeter for aiding the landing of aircraft. R. J. Herbold. 2,489,219, Nov. 22.
- Apparatus including power unit for setting brakes. E. A. Rockwekk. Re. 23,081, Jan. 25.
- Apparatus of the fluid current type for desiccating food-stuffs. A. W. Koon. 2,478,970, Aug. 16.
- Apparatus sensitive to magnetic fields. L. F. Beach. 2,476,273, July 19.
- Apparel construction. E. J. Fleet. 2,477,938, Aug. 2.
- Apparel-hanger cabinet. M. Ascherl. 2,469,143, May 3.
- Apparel, Hand. E. McCaffrey. 2,468,937, May 3.
- Apparel, Wearing. L. Bernstein. 2,476,798, July 19.
- Apple essence, The production of. R. P. Homiller and E. L. Griffin, Jr. 2,479,745, Aug. 23.
- Appliance, Antifreeze. L. W. Breck. 2,471,718, May 31.
- Appliance, Automatic coal dumping. F. E. Christopher. 2,470,472, May 17.
- Appliance, Bathtub shower bath. I. V. Thulin. 2,472,030, May 31.
- Appliance, Body resting. A. W. Schenker. 2,469,084, May 3.
- Appliance, Cabinet culinary. M. H. Frisbie. 2,462,089, Feb. 22.
- Appliance, Countersinking. J. W. Seamans. 2,466,745, Apr. 12.
- Appliance, Dental. H. Barishman. 2,468,479, Apr. 26.
- Appliance, Domestic. R. R. Candor. 2,483,526, Oct. 4.
- Appliance, Domestic. G. C. Pearce. 2,486,873, Nov. 1.
- Appliance, Drafting. T. A. de Postels. 2,478,751, Aug. 9.
- Appliance, Electrical cooking or toasting. D. C. Pulliam. 2,489,500, Nov. 29.
- Appliance for automobiles, Antiskidding. E. L. Martinis. 2,463,634, Mar. 8.
- Appliance for massaging and exercising human feet. H. H. Hartung. 2,468,327, Apr. 26.
- Appliance for molding hollow rubber balls and the like. A. E. P. Milner. Re. 23,176, Nov. 29.
- Appliance for stretching gloves or the like. G. Givoni. 2,462,632, Feb. 22.
- Appliance for use in repairing automobile bodies. J. W. Geddes. 2,458,370, Jan. 4.
- Appliance, Hair-waving. E. Tasho. 2,491,939, Dec. 20.
- Appliance, Hand operable indicating. C. J. J. Lowe. 2,474,432, June 28.
- Appliance, Health promoting. A. H. Lowry. 2,475,905, July 12.
- Appliance, Insole-type. C. R. Braasch. 2,480,997, Sept. 6.
- Appliance, Load-lifting. W. A. Ross. 2,471,901, May 31.
- Appliance, Meat-tendering. W. J. F. Boettcher. 2,464,634, Mar. 15.
- Appliance, Needle threading. C. A. Pinkham and B. Holohan. 2,490,883, Dec. 13.
- Appliance, Orthopedic. W. J. Boos. 2,487,691, Nov. 8.
- Appliance, Soundproof ear. D. B. Driskill. 2,476,589, July 19.
- Appliance, Three-way rupture truss. J. A. Kiser. 2,459,031, Jan. 11.
- Appliance, Tracheal. T. Colavita. 2,491,647, Dec. 20.
- Applications of high loss dielectrics to wave guide transmission systems. G. L. Fernsler. 2,465,719, Mar. 29.
- Applicator. L. F. Bonham. 2,476,956, July 26.
- Applicator and dispenser. N. G. Killian. 2,463,285, Mar. 1.
- Applicator and mirror, Combination lip rouge. D. Macy. 2,459,733, Jan. 18.
- Applicator, Bait. C. J. Zirbel. 2,458,671, Jan. 11.
- Applicator, Coating. C. Philippi. 2,492,439, Dec. 27.
- Applicator, Cosmetic. E. P. Schreyer. 2,466,785, Apr. 12.
- Applicator, Dental floss. A. J. Pastl. 2,467,221, Apr. 12.
- Applicator device for rouge and the like. R. E. Kruck. 2,492,050, Dec. 20.
- Applicator, Electrically heated. A. Fevas. 2,488,591, Nov. 22.
- Applicator, Fingertip. H. R. Foster. 2,492,278, Dec. 27.
- Applicator for building tape, Cement. W. Petty. 2,458,297, Jan. 4.
- Applicator for cap lining machines, Paraffin. C. Andrew and F. Waitkens. 2,479,663, Aug. 23.
- Applicator for ink eradicators. D. E. Weaver. 2,481,803, Sept. 13.
- Applicator for insecticides. E. C. Graff and F. H. Miller. 2,488,663, Nov. 22.
- Applicator for particulate material. G. F. Rooney, Jr. 2,467,097, Apr. 12.
- Applicator for permanent waving lotions and other liquids. A. Green and S. Rasmussen. 2,463,611, Mar. 8.
- Applicator for yarns, threads, and the like, Wax. M. B. Coleman and J. R. Bennington. 2,474,346, June 28.
- Applicator, Glue. G. A. McNab. 2,480,663, Aug. 30.
- Applicator, Hair. M. W. Giddings and S. Hikell. 2,477,245, July 26.
- Applicator, Hair oil. M. E. Conwell. 2,469,763, May 10.
- Applicator, High-frequency diathermy. F. W. Wanzenberg. 2,476,645, July 19.
- Applicator, Lip rouge dispenser. R. E. Kruck. 2,460,299, Feb. 1.
- Applicator, Lipstick. A. M. Ostrow. 2,489,807, Nov. 29.
- Applicator, Lipstick. H. Roland. 2,482,874, Sept. 27.
- Applicator, Liquid coating. L. W. Coley. 2,467,010, Apr. 12.
- Applicator, Mascara and vaseline. A. Marcellus. 2,489,099, Nov. 22.
- Applicator, Nail paint. J. E. Ward. 2,467,570, Apr. 19.
- Applicator of the stippling roller type, Paint. G. R. Raub, Jr. 2,478,318, Aug. 9.
- Applicator, Paint. O. A. Bennett. 2,488,655, Nov. 22.
- Applicator, Paste. C. H. Kreidler. 2,491,864, Dec. 20.
- Applicator, Radium ray. G. Turner. 2,484,433, Oct. 11.
- Applicator, Reinforcement. J. A. Roberts. 2,482,030, Sept. 13.
- Applicator, Rotary disk glue. L. C. Fitzgerald. 2,471,519, May 31.
- Applicator, Sinus medication. O. A. Strauss. 2,490,168, Dec. 6.
- Applicator, Tampon. C. A. Fourness. 2,478,576, Aug. 9.
- Applicator, Tampon. H. M. Ruth. 2,489,502, Nov. 29.
- Applying protective spots to the pads of closure caps. J. H. O'Neil. 2,479,959, Aug. 23.
- Applying uniform coating by immersion. R. A. Liebel. 2,489,456, Nov. 29.
- Apron. H. J. Lee. 2,471,331, May 24.
- Apron. E. Runck. 2,490,477, Dec. 6.
- Apron. E. N. Stanton. 2,471,910, May 31.
- Apron assembly for earthworking scrapers. R. G. Le Tourneau. 2,491,988, Dec. 20.
- Apron for ironing boards, Protecting. E. S. Lyon. 2,458,613, Jan. 11.
- Apron for wheeled scrapers. T. O. Davidson. 2,463,523, Mar. 8.
- Apron for wheeled scrapers. K. E. Reischl, G. W. Mork, and T. O. Davidson. 2,463,559, Mar. 8.
- Apron, Long draft. B. R. Billmeyer. 2,470,599, May 17.
- Apron, Spinning. H. M. Bacon and J. Rockoff. 2,484,810, Oct. 18.
- Aquaplane. J. C. Woodin. 2,491,541, Dec. 20.
- Aquarium. L. Feldman. 2,491,853, Dec. 20.
- Aquarium heater. E. G. Danner. 2,477,363, July 26.
- Aquatic device. E. A. Link. 2,491,744, Dec. 20.
- Aqueous alcohol extracts of mahogany sulfonates, Distillation of. E. E. Cole. 2,461,371, Feb. 8.
- Aqueous aluminum-casein coating composition, Prolonging the useful life of. J. A. Bicknell. 2,459,408, Jan. 18.
- Aqueous azeotropic mixtures, Separating. J. L. M. Fréjacques. 2,461,048, Feb. 8.
- Aqueous bath for coloring stainless steel. D. J. Cline. 2,476,700, July 19.
- Aqueous dispersion of a salt of an N-monoalkyl substituted polymeric amic acid. M. E. Cuperly. 2,490,677, Dec. 6.
- Aqueous dispersions of phenyl-beta-naphthylamine. B. M. Sturgis. 2,467,705, Apr. 19.
- Aqueous dispersions of synthetic linear polyamide and obtaining same. T. L. Cairns. 2,467,186, Apr. 12.

- Aqueous emulsion polymerization of acrylonitrile in the presence of an aromatic hydrocarbon. S. A. Harrison. 2,471,743, May 31.
- Aqueous emulsion polymerization of vinyl acetate. W. R. Cornthwaite and H. W. Bryant. 2,485,141, Oct. 18.
- Aqueous emulsions of mixed phthalic glyceride and melamine-formaldehyde resins. D. W. Light. 2,471,396, May 24.
- Aqueous emulsions of polyethylene. Preparing. J. Harmon. 2,462,390, Feb. 22.
- Aqueous fungicidal dispersions of salicylanilide. W. van Eijk. 2,485,339, Oct. 18.
- Aqueous polyvinyl acetate emulsion containing a dichromate of a trivalent metal. F. A. Strauss. 2,465,295, Mar. 22.
- Aqueous solutions containing HCN. Evaporating. L. H. Cook and W. J. Rosenbloom. 2,489,703, Nov. 29.
- Aqueous sulfur composition for the treatment of skin disorders such as acne. Penetrating. S. W. Lee. 2,459,566, Jan. 18.
- Aqueous thixotropic gel composition. H. J. Schnelder-wirth. 2,487,600, Nov. 8.
- Araliphatic nitriles. W. D. Niederhauser. 2,476,264, July 12.
- Arbor, Expanding. W. K. Rieber. 2,459,453, Jan. 18.
- Arbor, Expanding spline. B. A. Nordstrom. 2,487,723, Nov. 8.
- Arc discharge device. C. G. Smith. 2,468,788, May 3.
- Arc discharge device. P. W. Stutsman. 2,459,199, Jan. 18.
- Arc extinguishing device. W. A. Atwood and E. W. Boehne. 2,460,727, Feb. 1.
- Arc extinguishing device. P. L. Taylor. 2,467,542, Apr. 19.
- Arc extinguishing means, Electric. K. Lerstrup. 2,477,189, July 26.
- Arc extinguishing means for electric circuit breakers. D. K. Tower and B. S. Beall. 2,458,317, Jan. 4.
- Arc interrupter, Voltage-limiting. R. R. Pittman. 2,467,443, Apr. 19.
- Arc lamp. F. S. Hawkins. 2,491,178, Dec. 13.
- Arc monitor, Motion-picture projection. V. G. Mathison. 2,487,024, Nov. 1.
- Arc soldering iron. D. J. Parris. 2,487,582, Nov. 8.
- Arc starter, Automatic. N. E. Anderson. 2,461,798, Feb. 15.
- Arc suppressor. J. G. Jackson. 2,467,937, Apr. 19.
- Arc welding. A. U. Welch, Jr. 2,472,323, June 7.
- Arc welding apparatus and method, Semiautomatic. K. K. Madsen. 2,470,178, May 17.
- Arc welding apparatus, Automatic. A. A. Bernard. 2,490,024, Dec. 6.
- Arc welding apparatus, Electric. M. T. Moore. 2,484,421, Oct. 11.
- Arc welding composition and making same. G. G. Landis and V. Peters. 2,474,787, June 28.
- Arc welding device, Automatic. H. Kocher. 2,491,319, Dec. 13.
- Arc welding, Electric. C. A. Babbitt. 2,489,002, Nov. 22.
- Arc welding, Electric. H. Edels. 2,473,871, June 21.
- Arc welding, Electric. T. Hehenkamp. 2,475,835, July 12.
- Arc welding, Electric. J. M. Tyrner. 2,458,658, Jan. 11.
- Arc welding, Electric. P. C. van der Willigen, S. D. Boon, and J. Holierhoek. 2,490,179, Dec. 6.
- Arc welding, Gas blanketed. F. M. Drake. 2,468,808, May 3.
- Arc welding, Gas shielded direct-current. R. R. Lobosco. 2,473,601, June 21.
- Arc welding machine. J. K. Nyburg. 2,468,570, Apr. 26.
- Arc welding, Method and apparatus for electric. P. B. Scharf. 2,459,047, Jan. 11.
- Arc welding of magnesium, Gas-shielded carbon. P. Klain and R. B. MacPhail. 2,472,020, May 31.
- Arc welding of studs. E. Dash. 2,491,479, Dec. 20.
- Arc welding system. A. B. White. 2,473,928, June 21.
- Arc welding system, Alternating current. E. F. Steinert and C. H. Jennings. 2,473,917, June 21.
- Arc welding tool. P. N. Frade. 2,466,886, Apr. 12.
- Arc welding under deep flux layers. G. G. Landis and H. S. Payne. 2,468,371, Apr. 26.
- Arc welding with controlled current pulses. L. D. Drug-mand. 2,484,155, Oct. 11.
- Arched-lift jack. R. M. Custer. 2,487,792, Nov. 15.
- Arch and wall construction. P. Wright. 2,467,069, Apr. 12.
- Arch fitting. W. A. Meighan. 2,482,426, Sept. 20.
- Arch support. G. B. Carson. 2,464,023, Mar. 8.
- Arch-tracing device. Gothic. F. P. Davies and M. Y. Nicole. 2,481,203, Sept. 6.
- Arch-type conduits, Making. F. L. Carswell and O. W. Schmidt. 2,483,001, Sept. 27.
- Archery bow. R. J. Menne. 2,483,145, Sept. 27.
- Arches or top chord construction. A. V. Pedersen. 2,478,421, Aug. 9.
- Area wing, Variable. R. A. Murray, Sr. 2,487,465, Nov. 8.
- Argentiferous-copper turbogenerator rotor winding. E. A. Davis. 2,474,891, July 5.
- Arm, Artificial. C. E. Pilson. 2,487,724, Nov. 8.
- Arm band and rifle sling, Combination. M. K. Short. 2,481,884, Sept. 13.
- Armchair and bed rest, Combination. P. B. Williams. 2,489,693, Nov. 29.
- Arm, Engine rocker. H. C. Ronfeldt. 2,478,130, Aug. 2.
- Arm for weft replenishing looms, Transferrer. G. C. Beatrice. 2,488,158, Nov. 15.
- Armrest. H. H. Harris. 2,474,050, June 21.
- Armrest and stanchion. W. T. Rossell. 2,470,649, May 17.
- Armrest for manicurist tables or barber chairs. I. Rehman and K. D. Crawford. 2,477,898, Aug. 2.
- Arm support. A. V. Lewis. 2,460,589, Feb. 1.
- Armature assembly. R. P. Sweger. 2,491,140, Dec. 13.
- Armature construction for dynamoelectric machines. L. Roberts. 2,470,847, May 17.
- Armature shaft winding cap. J. M. England. 2,462,621, Feb. 22.
- Armature, Shockproof tripping. H. C. Graves, Jr. 2,491,657, Dec. 20.
- Armature structure for electromagnetic apparatus. P.-F. Beer. 2,471,365, May 24.
- Armature wedge driver and remover. J. L. Terry. 2,485,992, Oct. 25.
- Armature winding, Dynamoelectric machine. F. W. Baumann. 2,477,951, Aug. 2.
- Arming device for projectiles, Delayed. J. F. McCaslin and J. Fink. 2,479,851, Aug. 23.
- Armor, Nonmetallic. E. L. Kropscott and A. R. Gabel. 2,466,597, Apr. 5.
- Armor piercing projectile cap. A. H. Stone. 2,465,490, Mar. 29.
- Armored cable connector. S. N. Buchanan. 2,490,253, Dec. 6.
- Aromatic aldehydes, Synthesis of. W. F. Gresham and G. E. Tabet. 2,485,237, Oct. 18.
- Aromatic amines, Stabilizing. A. E. Robertson. 2,469,745, May 10.
- Aromatic coffee extract, Preparation of. H. Cohen. 2,481,470, Sept. 6.
- Aromatic compounds and obtaining the same, Stabilized. E. W. Tillitson. 2,472,868, June 14.
- Aromatic compounds of improved color from impure starting material, Alkylated. E. C. Kooijman and J. H. A. Höing. 2,490,444, Dec. 6.
- Aromatic compounds, Production of alkylated. H. N. Short and F. Olmsted. 2,465,610, Mar. 29.
- Aromatic compounds, Sulfur-containing. L. A. Mikeska and A. R. Kittleson. 2,488,134, Nov. 15.
- Aromatic concentrates, Finishing. J. G. Browder, R. M. Love, H. G. Schutze, and R. E. Tannich. 2,481,816, Sept. 13.
- Aromatic derivatives, Production of. W. N. Axe. 2,471,922, May 21.
- Aromatic hydrocarbons, Recovery of. W. G. Hiatt and C. R. Wagner. 2,464,311, Mar. 15.
- Aromatic hydrocarbons, Treatment of. H. D. Hartough, A. I. Kosak, and E. E. Reid. 2,462,391, Feb. 22.
- Aromatic isocyanates, Stabilized. B. M. Sturgis. 2,476,779, July 19.
- Aromatic polyfluoro four-carbon atom ring compounds. P. L. Barrick. 2,462,346, Feb. 22.
- Aromatic solvents, Preparation of. W. I. Denton and R. B. Bishop. 2,463,479, Mar. 1.
- Aromatics, Production of. E. Gorin and J. R. Vorwerck. 2,467,551, Apr. 19.
- Aromatics with aluminum halide-aromatic complexes, Extraction of. P. H. Holt, II, and N. Menshik. 2,481,843, Sept. 13.
- Arrangement for changing over the speaking direction in loud-speaker duplex systems. O. Tschumi. 2,460,475, Feb. 1.
- Arrangement for compensating the phase of shunt commutator motors. V. Kilma. 2,489,897, Nov. 29.
- Arrangement for cooling combustion chambers. H. Pfenniger. 2,470,184, May 17.
- Arrangement for fuel injection in a free-piston unit. D. E. Meitzler. 2,461,223, Feb. 8.
- Arrangement for gear changing systems. H. E. Eklund. 2,464,678, Mar. 15.
- Arrangement for generating a sawtooth-shaped current in a coil, Circuit. B. W. van Ingen Schenau. 2,476,164, July 12.
- Arrangement for increasing the tuning range of inductance tuned resonance circuits. L. O. Vladimir. 2,479,438, Aug. 16.
- Arrangement for limiting noise interference in carrier telephone systems. A. L. Bonner. 2,488,577, Nov. 22.
- Arrangement for measuring duty cycle. T. C. Hana. 2,477,370, July 26.
- Arrangement for milkers, Supporting. H. B. Babson. 2,483,516, Oct. 4.
- Arrangement for operating oil burners. J. Berger. 2,472,398, June 7.
- Arrangement for protected electrical apparatus, Testing. G. Camilli. 2,474,825, July 5.
- Arrangement for repeating oscillograph indications at a distance. R. F. Cleaver. 2,485,568, Oct. 25.
- Arrangement for sawing stones. M. A. Lefevre. 2,273,104, June 14.
- Arrangement for selection and demodulation of electrical pulses. C. W. Earp. 2,490,039, Dec. 6.
- Arrangement for switching on and initiating processes by means of telephone calls. M. Handschin. 2,489,638, Nov. 29.
- Arrangement for the salting and hooking of fish (herring). S. A. Barstad. 2,469,026, May 3.
- Arrangement of bath compartments and accessories, Knockdown. J. H. Bower. 2,487,515, Nov. 8.
- Arrangement of the retractable front landing gear in aircraft with straight type engine. E. Rechain. 2,487,589, Nov. 8.

- Arrangement, Wave shielding. N. L. Harvey. 2,487,547, Nov. 8.
- Arrangements for use with widely-separated frequency bands, Circuit. J. D. Holland. 2,474,978, July 5.
- Arrester and fuse construction, Combined lightning. R. H. Earle. 2,490,952, Dec. 13.
- Arrester construction, Flame suppressing. R. R. Pittman. 2,492,652, Dec. 27.
- Arrester, Door. A. T. Bradbury. 2,480,701, Aug. 30.
- Arrester, Lightning. O. Ackermann. 2,476,791, July 19.
- Arrester, Lightning. E. F. W. Beck. 2,473,849, June 21.
- Arrester, Lightning. E. F. W. Beck and J. S. Ferguson. 2,473,850, June 21.
- Arrester, Lightning. J. A. Bigwood. 2,480,282, Aug. 30.
- Arrester, Water-hammer. A. J. Brielmaier. 2,460,121, Jan. 25.
- Arresting and access means. F. I. Steele and Q. P. Thompson. 2,481,454, Sept. 6.
- Arresting cavitation in operation of pumps. R. H. Beach. Re. 23,170, Nov. 29.
- Arresting descent of a parachute supported load. S. D. Robins. 2,492,501, Dec. 27.
- Arresting device for aircraft, Emergency. J. J. Dickson. 2,475,597, July 12.
- Arresting device for moving objects, Emergency. A. B. Schultz. 2,465,936, Mar. 29.
- Arresting gear. E. J. Greenwood and R. C. Heffernan. 2,477,515, July 26.
- Arresting or retarding gear, Aircraft. C. A. Nicholson. 2,474,858, July 5.
- Arresting the cracking of the plates of welded ships. E. M. MacCutcheon, Jr., D. F. Windenburg, and S. K. Smith. 2,460,893, Feb. 8.
- Arrow, Archery hunting. D. H. Lust and B. C. Roemer. 2,467,838, Apr. 19.
- Arrow clamp for archery bows. G. S. Ott. 2,483,928, Oct. 4.
- Arrow nock. K. D. Richards. 2,484,589, Oct. 11.
- Arsenic trichloride, Preparation of. J. A. Chenicek. 2,485,697, Oct. 25.
- Arsenoso compounds and preparation. H. H. Fox and W. Wenner. 2,465,308, Mar. 22.
- Arsono compounds and preparation. H. H. Fox and W. Wenner. 2,465,307, Mar. 22.
- Article carrier. S. Cohen and J. J. Reid. 2,485,864, Oct. 25.
- Article comprising and placing indicia thereon. C. E. Bechard. 2,489,259, Nov. 29.
- Article construction. W. I. Evans and E. Planco. 2,464,743, Mar. 15.
- Article conveying and distributing mechanism. L. G. Weymouth. 2,466,962, Apr. 12.
- Article conveying mechanism. J. Hohl, R. K. Belnap, Jr., and H. A. Barnby. 2,461,277, Feb. 8.
- Article conveying mechanism. C. J. Malhiot. 2,480,253, Aug. 30.
- Article covers, Making. C. E. Gardner. 2,484,340, Oct. 11.
- Article dispenser. J. R. Rogers. 2,487,380, Nov. 8.
- Article feeding apparatus. C. L. Hommel. 2,490,872, Dec. 13.
- Article for reproducing drawings on blanks. G. B. Crouse. 2,459,266, Jan. 18.
- Article handling and weighing apparatus. T. E. Horst. 2,490,131, Dec. 6.
- Article handling apparatus. S. A. Corren. 2,460,379, Feb. 1.
- Article holder. G. Bengelsdorf. 2,488,262, Nov. 15.
- Article holder. B. R. Flaherty. 2,462,375, Feb. 22.
- Article holding apparatus. H. P. Wester. 2,467,103, Apr. 12.
- Article of furniture. R. K. Logue. 2,461,385, Feb. 8.
- Article illuminating inspection device for amber glass insulators and other hollow dense walled articles of low transparency. T. D. Green. 2,468,663, Apr. 26.
- Article of apparel and making same. A. Eddy. 2,471,203, May 24.
- Article of footwear, Impact absorbing. C. T. Lee. 2,469,969, May 10.
- Article of furniture, Reclining. A. Lorenz. 2,470,781, May 24.
- Article of furniture, Reclining. A. Lorenz. 2,472,854-5, June 14.
- Article of furniture, Reclining. A. Lorenz. 2,474,265, June 28.
- Article of furniture, Reclining. A. Lorenz. 2,478,769-70, Aug. 9.
- Article of manufacture, Abrasive. K. G. Ries, G. J. Goepfert, and G. J. Easter. 2,475,517, July 5.
- Article, particularly soils, made of stripping. J. Gregg. 2,466,944, Apr. 12.
- Article support. J. de Swart. 2,458,897, Jan. 11.
- Article supporting rack. M. S. Schneider. 2,462,431, Feb. 22.
- Article working apparatus. H. H. Merwin. 2,463,895, Mar. 8.
- Articles of manufacture, Producing. J. Boyd and R. A. Bice. 2,462,158, Feb. 22.
- Articles with contoured surfaces, Making decorated laminated. A. W. France and F. Lijjynen. 2,466,966, Apr. 12.
- Articulated railway vehicle. A. G. Omar. 2,462,666, Feb. 22.
- Articulated vehicle. O. I. Oyler. 2,460,429, Feb. 1.
- Articulator, Dental. W. W. Moore. 2,474,488, June 28.
- Articulator with condyle adjustment, Anatomical. C. F. Tully. 2,465,618, Mar. 29.
- Artificial aqueous dispersions of natural and synthetic rubbers, rubber substitutes, and rubberlike substances, Manufacture of. N. Talalay. 2,458,222, Jan. 4.
- Artificial arm. J. Ottermann. 2,477,463, July 26.
- Artificial bait. C. Wood. 2,485,179, Oct. 18.
- Artificial eye. A. J. Radin. 2,466,780, Apr. 12.
- Artificial eye and making same. P. J. Murphey and L. Schlossberg. 2,467,401, Apr. 19.
- Artificial eyes, Manufacturing. A. Kingston. 2,483,832, Oct. 4.
- Artificial fibers, Manufacture of. E. T. Cline. 2,474,617, June 28.
- Artificial fibers, Production of. L. E. Peterson and S. L. Dart. 2,484,014, Oct. 11.
- Artificial fish lure. F. H. Layfield. 2,485,053, Oct. 18.
- Artificial flower leaves, Producing. H. B. Owens and J. H. Derrick. 2,467,565, Apr. 19.
- Artificial flower leaves, Producing. A. Weisselberg. 2,467,572, Apr. 19.
- Artificial foot. E. P. Carmichael and C. W. Radcliffe. 2,460,446, Feb. 1.
- Artificial foot. S. R. Fogg. 2,470,480, May 17.
- Artificial foot, Three-part (lateral motion and ankle rotation). J. G. Catranis. 2,475,373, July 5.
- Artificial foot (two-link). J. G. Catranis. 2,475,372, July 5.
- Artificial fuel from paper, Making. R. O. Williams and V. Bredlik. 2,475,767, July 12.
- Artificial fuel logs from paper, Making. R. O. Williams and V. Bredlik. 2,475,769, July 12.
- Artificial fuel made from paper. R. O. Williams and V. Bredlik. 2,475,766, July 12.
- Artificial island. A. L. Houghtaling. 2,488,542, Nov. 22.
- Artificial limb. G. G. Havens. 2,464,391, Mar. 15.
- Artificial limb. J. H. F. Stewart. 2,478,721, Aug. 9.
- Artificial limb. J. M. Tachar. 2,469,937, May 10.
- Artificial limb. R. H. Weaver. 2,465,771, Mar. 29.
- Artificial respirator. E. McClain. 2,484,306, Oct. 11.
- Artificial sausage skins, Method of and apparatus for producing. J. Wolff. 2,460,480, Feb. 1.
- Artificial snow. M. H. Bunderson. 2,466,369, Apr. 5.
- Artificial stone walls, Manufacturing. D. F. Carlson. 2,474,654, June 28.
- Artificial teeth, Forming. E. B. Kelly. 2,474,676, June 28.
- Artificial teeth, Making. R. W. Erdle. 2,475,599, July 12.
- Artificial teeth, Making. S. and R. L. Myerson. 2,463,550, Mar. 8.
- Artificial teeth, Making. S. and M. S. Myerson. 2,463,551, Mar. 8.
- Artificial tooth and uniting an artificial tooth to a tooth support. S. Myerson. 2,463,549, Mar. 8.
- Artist sketch block. S. Dovitch. 2,488,007, Nov. 15.
- Artist's stamp. J. T. Cox. 2,464,436, Mar. 15.
- Arylactic acids and amides, Production of. W. Wenner. 2,489,348, Nov. 29.
- Aryl acrylates and methacrylates and their polymers. E. M. Filachione and C. H. Fisher. 2,477,293, July 26.
- Aryl-alicyclic carboxylic acids and their manufacture. E. Schwenk and D. Papa. 2,487,075, Nov. 8.
- Arylalkylnitroalcohols. J. B. Tindall. 2,460,265, Jan. 25.
- Aryl amines, Continuous process for making. E. C. Hughes and F. Veatch. 2,490,813, Dec. 13.
- Aryl azo sulfonic acid salts of streptothricin and streptomycin. K. Folkers. 2,462,175, Feb. 22.
- Aryldesoxyglycoses and diaryldesoxyaldehydes, Production of. W. A. Bonner and C. D. Hurd. 2,472,276, June 7.
- Aryl dihaloalkanes, Production of. L. Schmerling. 2,485,017, Oct. 18.
- Aryl ethers. M. Markarian and D. B. Peck. 2,464,877, Mar. 22.
- Aryl esters, Preparation of. W. F. Gresham and R. E. Brooks. 2,467,206, Apr. 12.
- Arylidene alicyclic ketone insecticide. S. C. Dorman and S. A. Ballard. 2,465,855, Mar. 29.
- Arylmethylmercapto aldehydes. W. H. Vinton. 2,461,013, Feb. 8.
- Aryloxyalkenes. E. T. McBee and R. O. Bolt. 2,477,342, July 26.
- Aryl phosphorus oxydichloride, Producing. A. D. F. Toy. 2,482,810, Sept. 27.
- Aryl substituted alkanes and making the same. A. H. Lewis. 2,477,382, July 26.
- Aryl trichloroethoxy acetates in elastomer treatment. A. T. Hollowell. 2,462,742, Feb. 22.
- Asbestos fiberizing. L. C. Pharo. 2,459,240, Jan. 18.
- Asbestos impregnated with tin oxide and producing. T. D. Callinan. 2,460,734, Feb. 1.
- Asbestos sheet material, Manufacture of. M. F. Smith and H. W. Greider. 2,467,540, Apr. 19.
- Ascorbic acid from 2-keto-levo-gulonic acid or its derivatives, Producing. M. van Eekelen and P. J. van der Laan. 2,491,065, Dec. 13.
- Ascorbic acids, Preparing. H. H. Bassford, Jr., W. S. Harmon, and J. F. Mahoney. 2,462,251, Feb. 22.
- Ash and cigarette receptacle, Combination. C. L. Harris. 2,487,131, Nov. 8.
- Ash receiver. C. Hendricks. 2,467,620, Apr. 19.
- Ash receiver and suction. W. M. Irvin. 2,480,245, Aug. 30.
- Ash receiver with suction discharge, Vehicle. R. L. Gill. 2,461,815, Feb. 15.

- Ash receptacle. J. Visser. 2,489,550, Nov. 29.
 Ash trap. A. P. Robinson. 2,481,878, Sept. 13.
 Ash tray. V. George. 2,463,485, Mar. 1.
 Ash tray. J. Leaman. 2,470,501, May 17.
 Ash tray. M. B. Phatuross. 2,467,405, Apr. 19.
 Ash tray and extinguisher. T. E. Wood. 2,485,228, Oct. 18.
 Ash tray, Extinguishing. M. Wolfset. 2,481,378, Sept. 6.
 Ash tray for automobiles, Self-emptying. E. P. Seaman. 2,459,459, Jan. 18.
 Ash tray, Self-luminous. H. H. Jacobs. 2,461,549, Feb. 15.
 Asphalt composition, Production of. J. van den Berge. 2,465,960, Mar. 29.
 Asphalt compositions. H. J. Sommer. 2,478,162, Aug. 2.
 Asphalt with improved adhesion properties for aggregates. H. G. M. Fischer. 2,461,971, Feb. 15.
 Aspirator with a rotatable flexible tube connection, Dust. J. A. C. Malchus. 2,458,614, Jan. 11.
 Assemblies for Bourdon tube instruments, Making socket and tube. C. N. Sugden. 2,478,022, Aug. 2.
 Assembling a self-contained roller bearing cage, roller, and raceway unit. H. C. Edwards. 2,483,695, Oct. 4.
 Assembling apparatus, Article. H. W. Garbe. 2,477,332, July 26.
 Assembling apparatus, Article. F. Konicek and H. J. Vennes. 2,459,228, Jan. 18.
 Assembling apparatus, Sheet. C. Paulsen. 2,476,250, July 12.
 Assembling device, Buckle. J. A. Turini. 2,488,352, Nov. 15.
 Assembling device, Venetian blind head-bar. H. Nelson. 2,489,663, Nov. 29.
 Assembling machine. L. C. Kahle. 2,488,126, Nov. 15.
 Assembling machine, Floral accessory. G. W. Shafer. 2,481,451, Sept. 6.
 Assembling shoe parts. G. B. Carson. 2,466,637, Apr. 5.
 Assembling the cylinders of a radial engine. A. Lee. 2,484,516, Oct. 11.
 Assembly, Accordion switch key. L. R. Stahl. 2,486,889, Nov. 1.
 Assembly and spacer therefor, Piston ring. H. P. Phillips. 2,474,493, June 28.
 Assembly, Attenuator. J. P. Smith, Jr. 2,484,126, Oct. 11.
 Assembly, Auxiliary gas tank. J. H. Turner. 2,482,885, Sept. 27.
 Assembly, Bearing and shaft. A. L. Lee. 2,483,345, Sept. 27.
 Assembly, Closure latching. G. H. Norquist. 2,485,645, Oct. 25.
 Assembly, Compensated bellows. P. Bender. 2,487,213, Nov. 8.
 Assembly, Copy table. G. D. Austin and M. Wishnovsky. 2,484,809, Oct. 18.
 Assembly, Corner right, shear, and bending machine. C. F. Fuller. 2,486,147, Oct. 25.
 Assembly device, especially welder. W. A. Weightman. 2,466,668, Apr. 12.
 Assembly device for spelling blocks. A. I. Horwitz. 2,462,502, Feb. 22.
 Assembly, Fifth wheel. C. E. Pollard. 2,482,868, Sept. 27.
 Assembly, Fishing leader. H. Buccilli. 2,485,812, Oct. 25.
 Assembly for agricultural purposes, Tool bar. A. W. Bean. 2,477,229, July 26.
 Assembly for air-cooled tubes, Socket. E. H. Potter. 2,458,026, Jan. 4.
 Assembly for aircraft propellers, Hub. H. H. Roby. 2,464,463, Mar. 15.
 Assembly for automobile bodies, Rocker panel. H. L. Goodwin and K. E. Coppock. 2,482,906, Sept. 27.
 Assembly for brake applying mechanism, Parking valve. L. A. Majneri. 2,486,046, Oct. 25.
 Assembly for brake bands, Friction lining. R. R. Crookston. 2,472,467, June 7.
 Assembly for centrifuges and the like, Bearing. F. S. Kopf. 2,487,343, Nov. 8.
 Assembly for dynamoelectric machines, Yoke. A. W. White and R. J. Gilson. 2,484,259, Oct. 11.
 Assembly for electron discharge devices, Electrode. B. B. Brown. 2,458,142, Jan. 4.
 Assembly for filtering oil or liquids, Multifilter. C. C. S. Le Clair. 2,473,032, June 14.
 Assembly for flatwork ironer rolls, Protective. J. W. Foster. 2,460,343, Feb. 1.
 Assembly for gas turbine engines, Nozzle-guide-vane. C. A. Judson. 2,488,867, Nov. 22.
 Assembly for portable electric tools, Switch. G. C. Wilhide. 2,487,011, Nov. 1.
 Assembly for railroad track equipment, Guardrail. L. Spencer. 2,470,662, May 17.
 Assembly for sheet metal roofing or siding, Interlocking. M. L. Jurasevich. 2,486,168, Oct. 25.
 Assembly for supporting refrigerant containers in refrigerator cars. A. L. Thompson. 2,461,012, Feb. 8.
 Assembly for temperature-responsive devices. D. Robertson. 2,465,981, Mar. 29.
 Assembly for turbines, Bearing and seal. W. A. Ledwith. 2,469,734, May 10.
 Assembly for upholstery, Spring. W. W. Gleason. 2,473,706, June 21.
 Assembly, Necktie and holder. K. A. Lambrechts. 2,473,593, June 21.
 Assembly of free-piston units. A. Kalitinsky and W. A. Ledwith. 2,458,172, Jan. 4.
 Assembly, Pickup. E. F. Girodat. 2,484,704, Oct. 11.
 Assembly, Pipe coupling. D. T. Colton and R. L. Barbehenn. 2,486,120, Oct. 25.
 Assembly structure, Filament. J. W. Skehan. 2,458,218, Jan. 4.
 Assembly, Torque arm quick disconnect. J. E. Gerry. 2,487,329, Nov. 8.
 Assembly, Trick playing card. W. H. Tucker. 2,486,449, Nov. 1.
 Assembly unit, Multiple shielded. E. C. Hallett. 2,462,489, Feb. 22.
 Assembly, Valve. A. L. Parker. 2,485,915, Oct. 25.
 Assembly, Vehicle springing. C. C. Shilling. 2,473,732, June 21.
 Assembly, Wheel and frame. C. I. Place. 2,485,770, Oct. 25.
 Astatic cathode-ray tube. P. J. Selgin. 2,459,724, Jan. 18.
 Astrolabe. A. E. Gee. 2,466,225, Apr. 5.
 Asymmetric device, Dry contact type electrically. E. A. Richards and L. J. Ellison. 2,482,799, Sept. 27.
 Asymmetric scorsby and operation. R. Haskins, Jr. 2,470,773, May 24.
 Asymmetrical polyazo-dyestuffs, Manufacture of. H. Mayer and W. Widner. 2,476,261, July 12.
 Athletic apparatus. R. W. W. Harvey. 2,470,815, May 24.
 Atmosphere production. J. G. Hoop. 2,473,525, June 21.
 Atomizer. A. H. Bahnson, Jr. 2,479,895, Aug. 23.
 Atomizer head. W. V. Strokalis. 2,492,405, Dec. 27.
 Atomizer, Nose and throat. M. H. Smith. 2,463,002, Mar. 1.
 Atomizer, Perfume. A. M. Rapoport. 2,488,682, Nov. 22.
 Atomizer, Portable. R. C. Seyforth. 2,462,563, Feb. 22.
 Atomizer structure. L. J. Clark and W. F. Gossmann. 2,478,370, Aug. 9.
 Atomizing device. H. B. Rudd. 2,465,274, Mar. 22.
 Atomizing device for oil burners. W. L. Sanborn. 2,485,244, Oct. 18.
 Atomizing structure. A. S. King, Jr. 2,484,037, Oct. 11.
 Atropinonitrile, Preparation of. J. F. Walker. 2,478,990, Aug. 16.
 Attachable brace and garment connector. P. Albrecht. 2,463,079, Mar. 1.
 Attaching a pin type terminal to a base. H. V. Knauf, Jr. 2,464,405, Mar. 15.
 Attaching clips to writing instruments. R. A. Lanoie. 2,489,144, Nov. 22.
 Attaching means for watches. A. J. Truxell. 2,461,095, Feb. 8.
 Attachment for air rifles, Cartridge firing. R. H. Dixon. 2,469,870, May 10.
 Attachment for automobile bodies, Pressure relieving and ventilating. W. E. Forcum. 2,466,403, Apr. 5.
 Attachment for automobile luggage compartments, Table. E. C. Doerr. 2,471,730, May 31.
 Attachment for automobile steering wheels, Desk. H. F. Fiscus. 2,487,536, Nov. 8.
 Attachment for automobiles, Load handling. D. L. Brel. 2,469,945, May 10.
 Attachment for band saws, Work feed. P. Guay. 2,476,292, July 19.
 Attachment for bed structures, Obstetrical and fracture. R. R. Freund. 2,470,026, May 10.
 Attachment for beds. T. J. Stone and D. F. Clarke. 2,492,070, Dec. 20.
 Attachment for beds, Table. C. C. McLean and S. A. Davis. 2,483,920, Oct. 4.
 Attachment for beverage containers, Table. T. E. Foulke. 2,471,030, May 24.
 Attachment for bifocal spectacles, Vertically adjustable. A. Roth. 2,486,881, Nov. 1.
 Attachment for billfolds or like articles, Safety. E. Krause. 2,480,484, Aug. 30.
 Attachment for binders, Carrying. W. B. Poppenga. 2,475,196, July 5.
 Attachment for bottle carrying cases. J. C. Brodnax, Jr. 2,489,742, Nov. 29.
 Attachment for broiler doors, Reflector. H. L. Farra. 2,488,182, Nov. 15.
 Attachment for button sewing machines, Snap fastener. F. Berube. 2,473,132, June 14.
 Attachment for cameras, Polarizing filter. B. P. Sproul. 2,469,795, May 10.
 Attachment for canes or the like, Illuminating. A. P. Russell. 2,478,325, Aug. 9.
 Attachment for cans, Strainer and spout. F. Bartels. 2,471,189, May 24.
 Attachment for caskets, Body positioner. E. R. Reese and A. Upton. 2,470,321, May 17.
 Attachment for chain saws, Power drill. E. A. Hall. 2,489,772, Nov. 29.
 Attachment for compacts, Illuminating. B. N. Wickwire. 2,480,800, Aug. 30.
 Attachment for containers, Measuring. J. E. Olvis. 2,487,825, Nov. 15.
 Attachment for conventional internal-combustion engines, Electric circulatory water heater. E. Haugland. 2,470,485, May 17.
 Attachment for cooking utensils, Handle. H. P. Serio. 2,490,838, Dec. 13.
 Attachment for cultivators. L. W. and V. J. Schumacher. 2,465,043, Mar. 22.

- Attachment for desks, Appliance supporting. J. W. Paxton and I. R. Cornish. 2,480,668, Aug. 30.
- Attachment for dial indicators. D. Van Winkle. 2,480,891, Sept. 6.
- Attachment for dining tables, Revolving. B. C. Hartzler. 2,470,165, May 17.
- Attachment for dragline buckets, Cutting. R. W. Jenne. 2,480,656, Aug. 30.
- Attachment for drawers in ovens of stoves or ranges. J. P. Burt. 2,473,467, June 14.
- Attachment for drills, Countersink. W. H. Alsop. 2,475,812, July 12.
- Attachment for electric hand drills. A. B. Dixon. 2,481,578, Sept. 13.
- Attachment for electric light globes. H. Hartman. 2,491,376, Dec. 13.
- Attachment for farm tractors, Pivot turning. C. H. Smallwood. 2,488,989, Nov. 22.
- Attachment for fenders. F. Marques and S. Odabashian. 2,476,502, July 19.
- Attachment for folders, Interleaving. N. S. Gates and A. J. Pinto. 2,482,059-60, Sept. 13.
- Attachment for French seam sewing machines, Presser foot. H. L. Bouwkamp and R. E. Kemp. 2,481,286, Sept. 6.
- Attachment for game tables, Cushioning. L. Colaluca. 2,472,884, June 14.
- Attachment for golf putters, Grip. E. C. Pearson. 2,481,778, Sept. 13.
- Attachment for grass and weed cutters. E. J. Soenksen. 2,489,730, Nov. 29.
- Attachment for gun barrels. E. Bristow. 2,466,203, Apr. 5.
- Attachment for gun barrels, Electric sighting. J. M. Richards. 2,479,262, Aug. 16.
- Attachment for hand trucks and the like. O. B. Wright and R. E. Morton. 2,467,644, Apr. 19.
- Attachment for hayrakes to operate hayrakes from tractor seats. L. W. Anthony. 2,484,666, Oct. 11.
- Attachment for hosiery machines. J. B. Hardison. 2,474,246, June 28.
- Attachment for hydraulic jacks, Low lift. C. L. Thompson. 2,469,670, May 10.
- Attachment for industrial trucks. J. Breslav. 2,469,812, May 10.
- Attachment for inside micrometers. J. A. Stedman. 2,466,916, Apr. 12.
- Attachment for jig vises, Holding. L. H. Deubler, Jr. 2,492,558, Dec. 27.
- Attachment for journal boxes. J. Y. Smith. 2,490,658, Dec. 6.
- Attachment for ladders, Hoisting. C. L. Cobb. 2,459,621, Jan. 18.
- Attachment for laptruers. H. V. Jones and J. R. Morlock. 2,480,028, Aug. 23.
- Attachment for lathes, Headstock. G. C. Schmantes and R. C. Schwalbach. 2,470,871, May 24.
- Attachment for lawn mowers. D. R. Powell. 2,485,312, Oct. 18.
- Attachment for lawn mowers, Edge trimming. H. W. Ridenour. 2,483,935, Oct. 4.
- Attachment for lawn mowers, Rake. M. Pimentel. 2,458,416, Jan. 4.
- Attachment for looping machines, Point illuminating and magnifying. S. Schwartz. 2,481,450, Sept. 6.
- Attachment for metal turning machines, Work centering. E. Luginbuhl. 2,471,038, May 24.
- Attachment for milling machines. J. L. Roush. 2,462,997, Mar. 1.
- Attachment for milling machines. H. A. Wilson. 2,474,877, July 5.
- Attachment for mold carriers. H. J. Morris and L. Peters. 2,483,660, Oct. 4.
- Attachment for motor-driven vehicles, such as tractors, Hoisting. W. C. Lathers, Jr. 2,470,857, May 24.
- Attachment for motor vehicles, Traction. F. G. Koehler. 2,472,331, June 7.
- Attachment for operating tables. M. C. Lowe. 2,463,400, Mar. 1.
- Attachment for ophthalmic mountings. B. M. Tapner. 2,492,072, Dec. 20.
- Attachment for paintbrush control, Can. M. Soens. 2,487,990, Nov. 15.
- Attachment for photographic flash guns, Cleaning. J. J. Czarnota. 2,479,726, Aug. 23.
- Attachment for pinboards, Bobbin positioning. G. B. Markle, Jr. 2,477,700, Aug. 2.
- Attachment for plastic block machines, Rodding. F. C. George. 2,457,996, Jan. 4.
- Attachment for playing keyboard musical instruments, Mouthpiece. P. V. Elfstrom. 2,488,178, Nov. 15.
- Attachment for pneumatic hammers, Nailing. P. Van Sittert and W. B. Barth. 2,472,353, June 7.
- Attachment for printing presses. D. R. Donnell. 2,481,090, Sept. 6.
- Attachment for projection arc lamps, Water-cooling. H. I. Huff. 2,478,533, Aug. 9.
- Attachment for refrigerators, Water-cooling. G. H. Von Koscielski. 2,479,189, Aug. 16.
- Attachment for road grading machinery. V. Schiavi. 2,467,157, Apr. 12.
- Attachment for rockers, Propeller. B. M. Mikulic. 2,487,663, Nov. 8.
- Attachment for rolls, Adjustable end face. W. S. Riesefeld. 2,467,700, Apr. 19.
- Attachment for rural mail boxes, Signal. R. C. Young. 2,483,992, Oct. 4.
- Attachment for sadirons, Combing and brushing. D. Resnick. 2,458,530, Jan. 11.
- Attachment for scrub pails, Pivoted floating article catching. A. H. Hatchette. 2,479,163, Aug. 16.
- Attachment for self-loading trucks, Shovel. M. Graves and A. Lankovski. 2,474,418, June 28.
- Attachment for sewer cleanout machines. H. J. Sketchley. 2,466,493, Apr. 5.
- Attachment for sewing machines, Cutting. V. J. Sigoda. 2,472,862, June 14.
- Attachment for sewing machines, Hemming. J. P. Enos. 2,492,931, Dec. 27.
- Attachment for sewing machines, Top feed and alternating presser. R. J. Sailer. 2,474,282, June 28.
- Attachment for shafts. H. V. Packer. 2,465,471, Mar. 29.
- Attachment for shears, Grass-catching. J. F. Appleton. 2,460,616, Feb. 1.
- Attachment for shotguns, Safety. J. E. Stockbower. 2,457,929, Jan. 4.
- Attachment for spark testing, Grinder. J. G. Cooper. 2,483,882, Oct. 4.
- Attachment for stoves, Safety. E. A. Demers. 2,491,091, Dec. 13.
- Attachment for stringed musical instruments. W. E. Smith. 2,487,192, Nov. 8.
- Attachment for telescopes, Illuminated reticle. J. R. Decker. 2,472,809, June 14.
- Attachment for toilets, Air conditioning. F. L. Owens. 2,472,383, June 7.
- Attachment for tractor drawbars, Lift. U. S. Felsing. 2,470,242, May 17.
- Attachment for tractors. A. L. Brauch. 2,472,278, June 7.
- Attachment for tractors. D. C. Grewe. 2,463,169, Mar. 1.
- Attachment for tractors. P. P. Lord. 2,468,602, Apr. 26.
- Attachment for tractors. W. H. Upton. 2,488,695, Nov. 22.
- Attachment for tractors and the like, Side grading. M. E. Burns and G. M. Bonnell. 2,491,797, Dec. 20.
- Attachment for tractors, Bedder. E. W. Todd. 2,487,955, Nov. 15.
- Attachment for tractors, Loader. A. Ford. 2,489,629, Nov. 29.
- Attachment for tractors, Loader. D. S. Pearse. 2,458,195, Jan. 4.
- Attachment for tractors, Power. P. J. Slater. 2,469,181, May 3.
- Attachment for trucks, Loading. F. Bisantz and A. H. Ruth. 2,488,657, Nov. 22.
- Attachment for vehicles for handling bulky materials. D. W. Machin. 2,479,048, Aug. 16.
- Attachment for wagons, Holder. D. N. Mathey. 2,473,763, June 21.
- Attachment for wheel stretchers, Intravenous stand. E. R. Scudder. 2,470,524, May 17.
- Attachment for windshield wipers. V. P. Schneider. 2,469,791, May 10.
- Attachment, Headlight. E. J. Neitzel. 2,476,109, July 12.
- Attachment in coffins or the like, Holding. O. C. Pope. 2,459,335, Jan. 18.
- Attachment of buttons to fabric. B. A. Weyl. 2,470,963, May 24.
- Attachment plug. J. H. Elsner. 2,484,558, Oct. 11.
- Attachment, Self-feeder. G. Rankenburg. 2,474,368, June 28.
- Attachment to go on end of a patrol blade, Scarifier. C. D. Cook. 2,477,477, July 26.
- Attachments to tractors, Detachably mounting crop treating. L. A. Hardy and H. L. Waterman. 2,477,980, Aug. 2.
- Attenuator. C. P. Carlson. 2,491,644, Dec. 20.
- Attenuator. E. W. Houghton. 2,491,662, Dec. 20.
- Attenuator. J. M. van Beuren. 2,474,794, June 28.
- Attenuator, Acoustic. J. G. Woodward. 2,470,597, May 17.
- Attenuator assembly. E. Doucette. 2,481,649, Sept. 13.
- Attenuator control, Initial. D. S. Renner. 2,462,552, Feb. 22.
- Attenuator, Dual purpose voltmeter range. R. W. Gilbert. 2,478,966, Aug. 16.
- Attenuator for high-frequency pickup devices. J. M. van Beuren. 2,474,795, June 28.
- Attenuator, Ultra high frequency. H. R. Larson. 2,491,669, Dec. 20.
- Attrition mill. W. D. Silcox. 2,477,096, July 26.
- Audible signal. P. C. Reck. 2,463,203, Mar. 1.
- Audiometer. L. Blok. 2,481,900, Sept. 13.
- Audiometer. L. Blok. 2,481,973, Sept. 13.
- Audiometer for air and bone conducting receivers having a scale with a single zero hearing loss reference. R. E. Allison. 2,471,136, May 24.
- Auger and reamer, Combination. C. D. Rawlinson, Sr. 2,481,781, Sept. 13.
- Auger conveyor unit for harvesters. K. O. Peterson. 2,476,265, July 12.
- Auger for harvester platforms, Adjustable. R. D. Downing and E. O. Engvall. 2,477,970, Aug. 2.
- Auger for harvester platforms, Cooperative feeding. S. D. Pool. 2,478,009, Aug. 2.
- Auger, Ice. C. A. Kidder. 2,476,047, July 12.
- Auger table. T. Carroll. 2,464,919, Mar. 22.

- Augmenter, Heat transfer. R. C. Brierly and S. Letvin. 2,462,838, Mar. 1.
- Augmenting small phase differences. L. Gabrilovitch. 2,475,020, July 5.
- Aureomycin and preparation of same. B. M. Duggar. 2,482,055, Sept. 13.
- Austenitic cast iron. A. G. E. Robiette and P. F. Hancock. 2,472,027, May 31.
- Auto cleansing tissue holder. A. E. Pratt. 2,488,326, Nov. 15.
- Auto fire chain ring. C. H. Reynolds. 2,458,642, Jan. 11.
- Auto tow. W. S. Reed. 2,480,770, Aug. 30.
- Auto vacuum cleaner. H. A. R. Peterman. 2,461,274, Feb. 8.
- Automatic accessory for sewing machines. G. H. Helmer. 2,483,138, Sept. 27.
- Automatic air gauge. A. C. Hallmark. 2,470,164, May 17.
- Automatic bit sorter. H. Johnston. 2,464,449, Mar. 15.
- Automatic breech block. F. F. Ruau. 2,465,271, Mar. 22.
- Automatic clamp. G. W. Periman. 2,466,909, Apr. 12.
- Automatic clutch. G. Gisonno. 2,465,444, Mar. 29.
- Automatic control. C. F. Kettering and A. W. Fischer. 2,458,784, Jan. 11.
- Automatic control. B. L. Smith. 2,486,070, Oct. 25.
- Automatic coupling. E. Cravener. 2,489,864, Nov. 29.
- Automatic drill press. J. E. Mills. 2,462,327, Feb. 22.
- Automatic egg boiler. N. Desjardins. 2,470,548, May 17.
- Automatic electric animal trap. A. G. Burns. 2,472,806, June 14.
- Automatic emergency light. J. T. Powell. 2,478,129, Aug. 2.
- Automatic fish pole holder. J. E. Sus and A. Sus, Jr. 2,461,356, Feb. 8.
- Automatic fishing reel. A. D. Maury and A. T. Lyon. 2,474,541, June 28.
- Automatic frequency control circuit. J. C. Spindler. 2,483,070, Sept. 27.
- Automatic instantaneous electric water heater. J. E. Pitts, Jr. 2,474,637, June 28.
- Automatic inverse modulation valve. S. J. Levine. 2,470,503, May 17.
- Automatic key case. S. Greenhow. 2,458,938, Jan. 11.
- Automatic knob lock. N. Mulow. 2,478,304, Aug. 9.
- Automatic line splice and terminal connector. S. N. Buchanan. 2,463,145, Mar. 1.
- Automatic manifold pressure regulator. J. B. Black. 2,476,652, July 19.
- Automatic matrix cleaner. J. F. Gunderman, Sr. 2,475,494, July 5.
- Automatic oil regulator. H. M. Mitchell. 2,480,757, Aug. 30.
- Automatic plastic molding press. V. E. Meharg, A. P. Mazzucchelli, and R. E. Nicolson. 2,467,440, Apr. 19.
- Automatic position indicator. J. H. Andresen, Jr. 2,467,179, Apr. 12.
- Automatic print washer. S. Hornstein. 2,469,825, May 10.
- Automatic propeller blade support. G. T. Lampton. 2,483,913, Oct. 4.
- Automatic reel. W. E. Nordmark. 2,480,335, Aug. 30.
- Automatic release collar clamp. E. N. Neckel. 2,470,516, May 17.
- Automatic rope lock. M. Lomner. 2,471,335, May 24.
- Automatic safety flatiron holder. M. B. Tomey. 2,460,044, Jan. 25.
- Automatic safety ignition switch. F. W. Murphy and L. Carlton. 2,467,333, Apr. 12.
- Automatic shutoff valve. E. R. Williams. 2,487,501, Nov. 8.
- Automatic spark advance mechanism. W. Ostling. 2,473,171, June 14.
- Automatic switch. C. H. Clement. 2,459,015, Jan. 11.
- Automatic switch. R. H. Iveson. 2,467,134, Apr. 12.
- Automatic system of process control by infrared spectrometry. N. D. Coggeshall and M. Muskat. 2,462,946, Mar. 1.
- Automatic tack dispenser. E. Kozachuk. 2,469,233, May 3.
- Automatic telephone switch. J. I. Bellamy. 2,490,665, Dec. 6.
- Automatic template controlled machine tool. O. H. Eberlein and L. L. Young. 2,485,716, Oct. 25.
- Automatic wheel lock. G. W. Spurlock. 2,490,486, Dec. 6.
- Automatic window lock. E. A. Barber, A. D. Collins, and H. C. Sylvester. 2,472,395, June 7.
- Automatic window lock. C. J. Dawson. 2,475,223, July 5.
- Automatically adjustable disk brake. W. H. Du Bois. 2,472,697, June 7.
- Automatically adjustable sickle bar. T. O. Woodin. 2,484,140, Oct. 11.
- Automatically controlled ignition switch. E. A. Werner. 2,467,573, Apr. 19.
- Automatically controlled interrupter circuit. C. G. Compton. 2,480,396, Aug. 30.
- Automatically releasing aircraft towing gear. J. C. Beirise. 2,477,569, Aug. 2.
- Automatically self-releasing aircraft landing hook. H. O. Feilbach. 2,486,397, Nov. 1.
- Automatically self-releasing aircraft landing hook. C. H. Jolly. 2,486,418, Nov. 1.
- Automobile body and engine heater. M. H. Cramer. 2,486,735, Nov. 1.
- Automobile body construction. S. W. Ford. 2,469,068, May 3.
- Automobile clothes rack. W. H. Walker. 2,472,132, June 7.
- Automobile disappearing warning signal. G. S. Zeik. 2,473,187, June 14.
- Automobile door latch. E. N. Dickson. 2,490,213, Dec. 6.
- Automobile garment support. C. T. Collins. 2,487,524, Nov. 8.
- Automobile heating, ventilating, and window defrosting system. J. L. Stinnett. 2,492,506, Dec. 27.
- Automobile hood lock. D. Christensen. 2,486,003, Oct. 25.
- Automobile lighting circuit. H. B. Jaynes. 2,480,370, Aug. 30.
- Automobile lock. D. P. Balais. 2,485,997, Oct. 25.
- Automobile repair tool. G. A. Countryman. 2,464,118, Mar. 8.
- Automobile roof and end wall. L. Braun. 2,466,366, Apr. 5.
- Automobile roofs and stamping for such roofs, Making. L. Braun. 2,466,367, Apr. 5.
- Automobile safety lock. J. T. Lane. 2,486,790, Nov. 1.
- Automobile signal. R. S. Coombs. 2,463,088, Mar. 1.
- Automobile top carrier. H. W. Klas. 2,475,903, July 12.
- Automobile transport van. A. J. Schaldach and V. A. Blackburn. 2,461,927, Feb. 15.
- Automobile water pump. N. B. Simonson. 2,475,204, July 5.
- Automobile wheels, Manufacturing. F. E. Taylor and A. H. Lewis. 2,468,001, Apr. 19.
- Automobile window screen. J. D. Morgan. 2,491,574, Dec. 20.
- Automobile window screen. E. H. Oppatt. 2,476,901, July 19.
- Automotive vehicle. W. F. Rockwell and B. W. Keese. 2,462,902, Mar. 1.
- Auxiliary air heater. M. E. Yeager and A. J. Clossen. 2,468,909, May 3.
- Auxiliary handle. F. E. Hummel. 2,457,898, Jan. 4.
- Auxiliary hot water heater. D. W. Main. 2,481,480, Sept. 6.
- Auxiliary spring. J. C. Gauvey. 2,468,364, Apr. 26.
- Averaging device. A. L. Holcomb. 2,468,200, Apr. 26.
- Averaging device. F. A. Wodal and H. M. Crain. 2,481,555, Sept. 13.
- Aviation spark plug adjusting tool. E. A. Call. 2,482,703, Sept. 20.
- Aviation trainer. K. A. Kail. 2,485,292, Oct. 18.
- Aviation trainer artificial horizon simulator actuating means. K. A. Kail. 2,485,293, Oct. 18.
- Awning. J. E. Coleman. 2,466,385, Apr. 5.
- Awning. E. D. Lohring and C. J. Wiegand. 2,464,454, Mar. 15.
- Awning. C. E. Skyum. 2,489,389, Nov. 29.
- Awning. H. F. Vollmer. 2,467,351, Apr. 12.
- Awning and ventilator. F. Werner and E. C. Miles. 2,459,983, Jan. 25.
- Awning box. E. P. D'Azco. 2,487,639, Nov. 8.
- Awning bracket. M. Hoeldtke. 2,473,058, June 14.
- Awning, Louvered. L. S. Eschrich. 2,484,987, Oct. 18.
- Awning, Louvered. O. O. McKinley. 2,458,619, Jan. 11.
- Awning, Metal. R. O. Hembree. 2,465,724, Mar. 29.
- Awning, Movable. H. G. Jones. 2,471,962, May 31.
- Awning, Shutter-fold. J. H. Kadleck. 2,472,429, June 7.
- Awning, Structural metal. L. H. Overly. 2,474,011, June 21.
- Awning structure. H. H. Cate. 2,480,447, Aug. 30.
- Awning, Ventilated. M. P. Kurtz. 2,486,560, Nov. 1.
- Axially engageable friction clutch. H. W. Cardwell, G. G. Brown, and E. R. Johnson. 2,462,944, Mar. 1.
- Axially engaging clutch. G. R. Aschauer. 2,490,398, Dec. 6.
- Axially engaging multiple disk clutch. J. Foster. 2,481,834, Sept. 13.
- Axially engaging multiple fluid clutch. O. H. Banker. 2,485,688, Oct. 25.
- Axially engaging opposed clutch. C. D. Peterson and A. H. Deimel. 2,485,214, Oct. 18.
- Axially engaging positive clutch. E. L. Hoe. 2,481,593, Sept. 13.
- Axially expandable rotary cutter. D. G. Horr. 2,473,952, June 21.
- Axially sliding vane rotary pump. G. A. Jones. 2,475,844, July 12.
- Axle and wheel assembly, Adjustable. T. Brown. 2,472,742, June 7.
- Axle box. J. L. Hilton. 2,470,071, May 10.
- Axle construction. J. J. Sichman, Jr. 2,463,323, Mar. 1.
- Axle construction for trucks, Tandem. R. A. Woods. 2,458,816, Jan. 11.
- Axle, Drive. B. W. Keese. 2,460,295, Feb. 1.
- Axial flow blower, Air cleaning. R. Walsh. 2,471,178, May 24.
- Axle housing and gear casing unit and making same. B. H. Urschel. 2,467,605, Apr. 19.
- Axle suspension system for vehicles. F. W. Avila. 2,467,721, Apr. 19.
- Axle trailer connector. R. O. Ladd. 2,486,605, Nov. 1.
- Axle, Vehicle drive. L. R. Buckendale. 2,480,836, Sept. 6.
- Azeotropic distillation of aqueous isopropanol contaminated by acetone. M. C. Fuqua. 2,481,211, Sept. 6.
- Azeotropic distillation of C₄ acetylenes from butene-2. J. W. Tooke and E. Z. Lang, Jr. 2,465,047, Mar. 22.

- Azeotropic distillation of methyl acetylene from butadiene. M. R. Dean. 2,486,929, Nov. 1.
- Azeotropic distillation of styrene-containing hydrocarbon fractions. L. Berg and J. M. Harrison. 2,477,715, Aug. 2.
- Azeotropic distillation of wide-boiling-range hydrocarbon fractions. G. R. Lake and J. M. Stribley. 2,462,025, Feb. 15.
- Azo compounds from 1-di-n-butylamino-2-nitro-butane. E. F. Degering and G. van Biema. 2,474,779, June 28.
- Azo compounds from 1-N-morpholino-2-nitro propane. E. F. Degering and G. van Biema. 2,474,780, June 28.
- Azo compounds, Manufacture of. R. C. Locke. 2,478,767, Aug. 9.
- Azo dyestuffs. F. Felix and A. Heckendorn. 2,480,006, Aug. 23.
- Azo dyestuffs. O. Kaiser. 2,490,967, Dec. 13.
- Azo-dyestuffs. O. Kaiser, and R. Gunst. 2,491,566, Dec. 20.
- Azo lakes, Manufacture of. R. C. Locke. 2,478,768, Aug. 9.
- Azobis (α -cycloalkyl-acetonitriles). P. S. Pinkney. 2,492,763, Dec. 27.
- Azodisulfonic acid salts as polymerization catalysts. J. A. Robertson. 2,468,111, Apr. 26.
- Azomethine dyes from acylacetamidobenzaldehyde acetals. D. M. McQueen. 2,472,913, June 14.
- Baby bath. E. E. Merrett. 2,465,909, Mar. 29.
- Baby bath. W. J. Stadman. 2,491,223, Dec. 13.
- Baby bottle holder. L. S. Foo. 2,470,694, May 17.
- Baby bottle holder. I. Seiden. 2,459,546, Jan. 18.
- Baby carriage, Collapsible. H. F. Shaw. 2,489,593, Nov. 29.
- Baby carriage, Collapsible. J. T. Wheeler. 2,490,988, Dec. 13.
- Baby carrier. E. Bergman. 2,477,164, July 26.
- Baby diaper cover. D. S. Murrey. 2,489,104, Nov. 22.
- Baby high chair. B. Felsher. 2,473,991, June 21.
- Baby poser. W. B. Nichols. 2,492,880, Dec. 27.
- Baby seat. S. A. Matthews. 2,491,676, Dec. 20.
- Baby sleeper. R. Widetsky. 2,465,622, Mar. 29.
- Baby toy carriage, Sound producing. G. A. Bocchino. 2,480,996, Sept. 6.
- Baby vehicle. L. J. Black. 2,482,827, Sept. 27.
- Baby walker, Collapsible. C. D. Wilcox. 2,478,516, Aug. 9.
- Baby's bottle holder. J. S. Swaim. 2,470,379, May 17.
- Bacitracin, Purification of. J. T. Goorley. 2,457,887, Jan. 4.
- Back and armrest, Folding. L. G. Koch. 2,492,430, Dec. 27.
- Backfill for cathodic protection, Rapid-wetting gypsum base. M. O. and H. A. Robinson. 2,480,087, Aug. 23.
- Back for seats. H. C. Flint. 2,459,753, Jan. 18.
- Back gauge spacer, Automatic. F. W. Seybold. 2,487,031, Nov. 1.
- Back rest, Adjustable. L. E. Blazey. 2,491,154, Dec. 13.
- Back rest and fish pole holder, Combined. J. Mathias. 2,463,042, Mar. 1.
- Backrest, Foldable. K. G. Gardner. 2,490,297, Dec. 6.
- Back siphonage prevention, antibackflow, and vacuum breaking valve. F. Carlton, and L. L. Snyder. 2,491,604, Dec. 20.
- Backspacing mechanism. C. W. Norton. 2,477,702, Aug. 2.
- Backspacing mechanism for telegraph printers. H. Angel. 2,462,833, Mar. 1.
- Backspacing telegraph printer mechanism. H. Angel. 2,462,834, Mar. 1.
- Backstop for bowling alleys. A. B. Hackert. 2,472,208, June 7.
- Backstop for electromagnetic devices. M. C. Becker. 2,473,851, June 21.
- Back tension drive. J. D. Rosebrough. 2,469,004, May 3.
- Back tie, Dead-end. A. Q. Heidebrecht. 2,459,644, Jan. 18.
- Backup light switch. A. E. Forssell. 2,458,154, Jan. 4.
- Backwash for water-treating systems, Auxiliary. H. Wolcott. 2,461,619, Feb. 15.
- Backing or chill ring. J. J. Dillon and M. Needle. 2,472,523, June 7.
- Bacon substitutes. M. Baur. 2,478,520, Aug. 9.
- Bacteria, Defooculating. G. Green. 2,472,419, June 7.
- Bacterial growths, Preventing. H. T. Clarke. 2,464,197, Mar. 15.
- Bactericidal compositions. A. H. Craige, Jr., and A. L. Kleckner. 2,480,556, Aug. 30.
- Bactericidal compositions. A. H. Craige, Jr., and A. L. Kleckner. 2,484,784, Oct. 11.
- Badge assembly, Campaign ribbon. A. A. Raeburn. 2,479,404, Aug. 16.
- Baffle and oil supply means for oil burners, Combined. G. C. Peter. 2,458,916, Jan. 11.
- Baffle, Clay flow. W. J. F. O'Connor. 2,486,200, Oct. 25.
- Baffle for water tube boilers. G. P. Reintjes. 2,458,798, Jan. 11.
- Baffle structure for furnace combustion chambers, Demountable. E. H. Ryden. 2,483,476, Oct. 4.
- Bag: See—Continued.
- Poultry bag.
- Self-cooling water bag.
- Siftproof bag.
- Tea bag.
- Bag and carrier for infants, Combined sleeping. B. C. Rose. 2,491,394, Dec. 13.
- Bag and inflatable pillow, Combined. W. Z. Norman and J. Billig. 2,462,215, Feb. 22.
- Bag and making same, Sectional curing. J. E. Charnes. 2,476,817, July 19.
- Bag and making the same. S. G. Yount and P. R. Halstead. 2,474,770, June 28.
- Bag attachment, Vacuum cleaner. F. S. Howard. 2,471,431, May 31.
- Bag filling machine. F. Ahlburg and E. H. Hunt. 2,464,545, Mar. 15.
- Bag for merchandising. G. A. Moore. 2,463,992, Mar. 8.
- Bag for merchandising. G. A. Moore. 2,480,500, Aug. 30.
- Bag for transporting cargo on water, Flexible. R. Houwink. 2,492,699, Dec. 27.
- Bag having a filler mouthpiece in one end, Making a. H. A. Wolf. 2,458,972, Jan. 11.
- Bag having flexible cover smoothed by its securing means, Reinforced. J. N. Lowe. 2,490,222, Dec. 6.
- Bag having fused seams between wall forming strips and slide-fastener tapes, Plastic. F. O. Budnik. 2,475,277, July 5.
- Bag having reinforced side walls and handle, Satchel. H. C. Orchard. 2,463,302, Mar. 1.
- Bag holder. G. Aspinall. 2,474,025, June 21.
- Bag holder. M. C. Ranssee. 2,483,844, Oct. 4.
- Bagmaking machine. C. K. Billeb. 2,467,879, Apr. 19.
- Bag stand. C. A. Chidsey, Jr. 2,470,977, May 24.
- Bag with means for fastening same temporarily to user, Disposable. E. M. Clarke. 2,491,799, Dec. 20.
- Bag with metal gusset, Flexible. M. Kaplan. 2,473,489, June 14.
- Bag with sealed inner ply, Multiply pasted end. E. B. Hoppe. 2,460,885, Feb. 8.
- Bags, Forming and filling. W. J. Barker. 2,490,940, Dec. 13.
- Bags, Making shopping. F. P. Winesett. 2,469,536, May 10.
- Bail for containers. J. Coyle and W. F. Punte. 2,492,464, Dec. 27.
- Bailer, Well. E. Graham, Jr. 2,492,694, Dec. 27.
- Bailing device. M. W. Sawyer and H. L. Tedford. 2,479,783, Aug. 23.
- Bait, Animal trap minnow. A. J. Fulbright, Sr. 2,479,611, Aug. 23.
- Bait, Artificial. F. P. Steinhauer. 2,464,465, Mar. 15.
- Bait box. J. C. Ganong. 2,473,874, June 21.
- Bait can. J. E. Leighton. 2,466,447, Apr. 5.
- Bait casting and trolling lure. E. H. Parnell, Sr. 2,462,828, Feb. 22.
- Bait casting plug. T. Golembeski. 2,484,162, Oct. 11.
- Bait casting reel. R. R. Kilian. 2,478,111, Aug. 2.
- Bait, Fish. T. A. Findlay. 2,479,675, Aug. 23.
- Bait, Fish. W. P. Horton. 2,468,877, May 3.
- Bait, Fishing. H. H. Rauh. 2,492,064, Dec. 20.
- Bait holder and fishhook, Combined. G. Weiss. 2,476,126, July 12.
- Bait receptacle. H. S. Ross. 2,484,122, Oct. 11.
- Bait retainer for fishhooks. A. R. Sigmund. 2,482,721, Sept. 20.
- Baked food composition. S. Musher. 2,487,069, Nov. 8.
- Baker, Electric egg. J. R. Gomersall. 2,459,933, Jan. 25.
- Baker's peel. L. Portner. 2,462,672, Feb. 22.
- Baking apparatus. A. G. Carter, Sr., and A. G. Carter, Jr. 2,478,458, Aug. 9.
- Baking oven. T. R. Neutelings and W. Neutelings. 2,480,951, Sept. 6.
- Baking preparation and process. F. F. Hansen. 2,463,870, Mar. 8.
- Balance demonstrating device. H. C. Schildmeier. 2,492,066, Dec. 20.
- Balance for airfoils, Differential. R. A. Darby. 2,458,896, Jan. 11.
- Balance, Hydraulic. L. J. Nowak, Jr. 2,462,216, Feb. 22.
- Balance, Sash. A. Viehweger. 2,473,666, June 21.
- Balance, Spring. W. H. Yeamans. 2,458,669, Jan. 11.
- Balanced double-acting engine. E. F. and P. E. Mercier. 2,466,255, Apr. 5.
- Balanced fluid motor valve. J. K. Simpson. 2,460,196, Jan. 25.
- Balanced gear pump. W. Ernst. 2,491,365, Dec. 13.
- Balanced variable reactance device. R. V. Langmuir and P. H. Peters, Jr. 2,471,155, May 24.
- Balancer, Dynamic. G. T. Hemmeter. 2,461,643, Feb. 15.
- Balancing apparatus, Automatic rotor. H. M. Zenor. 2,474,883, July 5.
- Balancing device. J. Leflar. 2,459,947, Jan. 25.
- Balancing device, Brakehead. N. Flesch. 2,474,239, June 28.
- Balancing device, Brake head. W. L. Schlegel, Jr. 2,459,770, Jan. 18.
- Balancing machine. H. E. Kallmann. 2,461,645, Feb. 15.
- Balancing machine, Dynamic. L. G. Young. 2,464,662, Mar. 15.
- Balancing means for centrifugal clothes extractor. L. M. Kahn. 2,475,029, July 5.
- Accumulator bag.
- Carrier bag.
- Coffee steeping bag.
- Convertible handbag-shopping bag.
- Curling bag.
- Garment bag.
- Golf bag.
- Heat sealed bag.
- Leg warmer bag.
- Multiply pasted end bag.
- Photographer's lightproof bag.
- Portable utility bag.

- Balancing of ring cutoff circuit for long and short lines. K. L. Burgener. 2,486,111, Oct. 25.
- Balancing valve. P. H. Williams. 2,486,899, Nov. 1.
- Bale press. S. Y. Taylor. 2,465,496, Mar. 29.
- Baler. R. R. Raney. 2,478,012, Aug. 2.
- Baler and reduction gear therefor. S. D. Russell. 2,489,198, Nov. 22.
- Baler, Pickup. S. D. Russell. 2,478,324, Aug. 9.
- Baler, Rotary. C. J. Scranton. 2,469,580, May 10.
- Baler, Rotary. C. J. Scranton and P. H. Harrer. 2,468,641, Apr. 26.
- Baler, Tractor-mounted pickup. R. D. Acton. 2,467,717, Apr. 19.
- Baler, Wastebasket. R. S. Thompson. 2,485,419, Oct. 18.
- Baler, Wire tying. P. Kane. 2,485,001, Oct. 18.
- Baling press. A. Aluotto. 2,476,574, July 19.
- Baling press. G. B. Hill. 2,458,994, Jan. 11.
- Baling press. G. B. Hill. 2,464,684, Mar. 15.
- Baling press. G. B. Hill. 2,484,890, Oct. 18.
- Baling press. J. R. West, G. B. Hill, and M. E. McClellan. 2,470,278, May 17.
- Ball-and-socket implement coupler. H. P. Wolfrum. 2,481,461, Sept. 6.
- Ball-and-socket vehicle coupling. C. L. Clark and C. E. Denison. 2,475,878, July 12.
- Ball-and-socket vehicle coupling. W. M. Murray. 2,459,448, Jan. 18.
- Ballbase shuttle tip. H. Pavia. 2,465,920, Mar. 29.
- Ball bat, Rotatable practice. C. A. Christensen. 2,471,610, May 31.
- Ball bearings, Making self-aligning. A. L. Spangenberg. 2,462,138, Feb. 22.
- Ball, Bowling. J. Darula, Jr. 2,472,406, June 7.
- Ball contactor switch. A. J. Gardenhour. 2,487,433, Nov. 8.
- Ball furnace. S. Strelzoff. 2,479,878, Aug. 23.
- Ball game table. F. T. Hall. 2,468,194, Apr. 26.
- Ball hitch for autumobiles, Sliding. R. V. Crosley. 2,474,231, June 28.
- Ball insert, Bowling. C. W. Jerome. 2,469,268, May 3.
- Ball making machine. F. Derfler. 2,480,716, Aug. 30.
- Ball mill for continuous sifting and grinding. G. J. Mitchell. 2,480,085, Aug. 23.
- Ball or equivalent thrust bearing. R. C. McLeod. 2,415,509, July 5.
- Ball stop for bowling ball return racks. R. R. Wilson. 2,491,349, Dec. 13.
- Ball transfer, Magnetic. J. A. Swenton. 2,462,235, Feb. 22.
- Ball type pressure relief valve. J. M. Roth. 2,470,372, May 17.
- Ball valve safety pilot burner. F. R. Higley. 2,487,969, Nov. 15.
- Ball with flat sided finger holes, Bowling. S. J. Bates. 2,485,471, Oct. 18.
- Ballast assembly, Discharge lamp. J. Shaheen. 2,473,034, June 14.
- Ballast, Electric. R. F. Rowe. 2,477,132, July 26.
- Ballast for gaseous discharge devices. L. Mauerer. 2,492,389, Dec. 27.
- Ballast lamp. W. C. Ellis, L. H. La Forge, Jr., and A. H. White. 2,474,473, June 28.
- Ballast removing apparatus. E. M. Thornley. 2,463,499, Mar. 1.
- Ballast system for locomotives. C. K. Steins. 2,467,703, Apr. 19.
- Ballistoscope. E. R. Mann and S. W. Stanton. 2,482,194, Sept. 20.
- Balloon, Fast rising sounding. L. W. Isom. 2,492,800, Dec. 27.
- Balloon for tandem flight and flying meteorological balloons. D. C. Jalbert. 2,475,839, July 12.
- Balloon mold. E. E. Habib and D. G. Greenlie. 2,461,270, Feb. 8.
- Balloon or similar article and making the same, Meteorological. D. J. Miller. 2,461,072, Feb. 8.
- Balloons, Manufacturing. E. E. Habib and D. G. Greenlie. 2,461,271, Feb. 8.
- Band, Adjustable metallic wrist. B. Maestri. 2,471,694, May 31.
- Band and pulley-clutch assembly. C. O. Slemmons. 2,466,495, Apr. 5.
- Band chain reel. E. W. Kraft. 2,476,878, July 19.
- Band clamp. R. A. Webster and H. D. Houghton. 2,466,755, Apr. 12.
- Band clip having closing worm gear. C. W. Cheney. 2,477,045, July 26.
- Band, Flexible and/or elastic self-locking. R. P. Ellis. 2,461,201, Feb. 8.
- Band, Golfer's grip. C. Grandinetti. 2,476,489, July 19.
- Band, Matrix. H. L. Call. 2,462,356, Feb. 22.
- Band or ring, Securing. G. A. Knapp. 2,458,007, Jan. 4.
- Band, Retention. F. H. Zetterlund. 2,479,803, Aug. 23.
- Band-saw attachment, Blade-shearing. C. J. Anderson. 2,472,509, June 7.
- Band-saw table. W. Lasar. 2,467,532, Apr. 19.
- Band-saw wheel mounting means, Adjustable. E. C. Steiner. 2,463,437, Mar. 1.
- Band, Wrist. D. Canovsky. 2,459,413, Jan. 18.
- Band, Wrist. L. Sheldon. 2,473,226, June 14.
- Band, Wrist watch. J. H. Carter. 2,463,243, Mar. 1.
- Band, Wrist watch. C. H. A. Dewey. 2,482,660, Sept. 20.
- Band, Wrist watch. C. B. Greenberg. 2,467,204, Apr. 12.
- Band, Wrist watch. R. J. Penfold. 2,481,865, Sept. 13.
- Bandage. A. W. Roberts. 2,489,675, Nov. 29.
- Bandage, Abdominal. L. Goforth. 2,461,208, Feb. 8.
- Bandage, Arch, angle, and leg. F. J. Thibault. 2,484,130, Oct. 11.
- Bandage, Surgical. D. R. Brady. 2,477,403, July 26.
- Bandage, Surgical. C. L. Kennedy and K. W. Macdonald. 2,473,062, June 14.
- Banding apparatus. C. H. Gay. 2,490,795, Dec. 13.
- Banjo head tightener. E. J. Handloser. 2,469,643, May 10.
- Bank, Contact. R. F. Stehlik. 2,487,282, Nov. 8.
- Baptismal apparatus. P. H. Garrett. 2,462,627, Feb. 22.
- Bar: See—
- Adjustable boring bar. Elastic proving bar.
- Adjustable spacer bar. Magnetic sine bar.
- Automatically adjustable sickle bar. Nose gear tow bar.
- Combination length bar. Rolled tooth ratchet bar.
- Draft or tow bar. Service ribbon bar.
- Tow bar. Tow bar.
- Bar attachment, Sickle. W. C. Haefner. 2,476,190, July 12.
- Bar construction for warp knitting machines, Guide. R. F. Eshleman. 2,480,231, Aug. 30.
- Bar for concentric lines, Shorting. A. A. Nims, Jr. 2,463,415, Mar. 1.
- Bar for guitars and the like, Tone. H. J. Garcia. 2,490,517, Dec. 6.
- Bar for sectional tables, Joint. P. Rosenberg. 2,481,350, Sept. 6.
- Bar for stringed instruments. R. P. Engles. 2,490,865, Dec. 13.
- Bar for tractors and the like, Swivel draft. N. T. Hurd. 2,464,315, Mar. 15.
- Bar for veneer lathes, Roller pressure. W. J. Miller. 2,473,541, June 21.
- Bar grate and supporting means therefor, Rocking. E. C. Miller. 2,481,938, Sept. 13.
- Bar holding means, Pallet grate. W. J. Urban. 2,465,559, Mar. 29.
- Bar or steel having a rotating contact face, Guitar. F. W. Peasley. 2,485,108, Oct. 18.
- Bar soap dispenser. T. B. McCowan. 2,477,998, Aug. 2.
- Bar soap manufacture. A. H. Knoll. 2,484,098, Oct. 11.
- Bar support and spacer, Combined. B. Hillberg. 2,486,527, Nov. 1.
- Bar system and lamp fitting comprising such a bar system. J. Bergmans, C. A. Lamberts, and C. H. J. Anderson. 2,470,284, May 17.
- Barbecue apparatus. B. A. Keljik. 2,485,890, Oct. 25.
- Barbecue equipment, Portable. J. J. Humensky. 2,477,183, July 26.
- Barbecue, Portable electric. J. H. Reichart. 2,470,645, May 17.
- Barite ores, Flotation of. E. W. Gieseke. 2,483,970, Oct. 4.
- Barium aluminate, Preparing. P. S. Roller. 2,469,413, May 10.
- Barium halophosphate phosphor. R. S. Wells. 2,482,450, Sept. 20.
- Barium magnesium lead silicate phosphor. J. G. Cassanos and K. H. Butler. 2,467,810, Apr. 19.
- Barium strontium lead silicate phosphor. K. H. Butler. 2,486,112, Oct. 25.
- Barking machine, Hydraulic. F. O. White. 2,473,461, June 14.
- Barn gutter cleaner. H. O. Petraske. 2,467,988, Apr. 19.
- Barn, Milking. G. J. Polivka. 2,472,122, June 7.
- Barometer. F. Rieber. 2,473,610, June 21.
- Barometer, Pocket. G. A. Nelson. 2,463,414, Mar. 1.
- Barrel. E. H. Benson. 2,460,410, Feb. 1.
- Barrel bending machine. H. C. Cogan. 2,466,653, Apr. 5.
- Barrel collet for mechanical pencils. C. K. Lovejoy. 2,486,663, Nov. 1.
- Barrel contracting tool. W. D. Jordan. 2,472,080, June 7.
- Barrel, Core. C. L. Deely. 2,490,512, Dec. 6.
- Barrel engine mounting. E. S. Hall. 2,471,428, May 31.
- Barrel, Field square. D. J. Pelletier. 2,465,816, Mar. 29.
- Barrel, Flow. E. B. Barnes. 2,461,512, Feb. 15.
- Barrel holder. A. J. and R. T. Szenasi. 2,485,075, Oct. 18.
- Barrel rest. G. D. Meyer. 2,466,323, Apr. 5.
- Barrel, Rotary. G. B. Hogaboom. 2,480,022, Aug. 23.
- Barrel support means for firearms. S. J. Yasho. 2,479,594, Aug. 23.
- Barrel, Tumble. P. P. Burns. 2,465,632, Mar. 29.
- Barrels, Manufacturing bilge. C. U. Gramelspacher. 2,459,316, Jan. 18.
- Barrette. N. L. Solomon. 2,461,934, Feb. 15.
- Barrier coat for adhesive sheets. C. O. Pike and V. N. Morris. 2,487,060, Nov. 8.
- Barrier for doorways or the like. L. W. Ballard. 2,490,612, Dec. 6.
- Barrier structure for rollerways. F. L. Griffith. 2,463,532, Mar. 8.
- Base and cap gas burner, Separable. H. M. Reeves. 2,490,885, Dec. 13.
- Base and Christmas tree stand, Suction. A. O. Zedler. 2,489,845, Nov. 29.
- Base and holder for electric lamps. W. M. Johnson. 2,465,100, Mar. 22.
- Base and making the same. A. J. Kunisch. 2,466,176, Apr. 5.

- Base and socket, Tubular lamp. J. H. Goehst. 2,463,960, Mar. 8.
- Base ball game. W. G. Fletcher. 2,464,386, Mar. 15.
- Base, Baseball. J. G. Fleming and W. J. Klem. 2,471,736, May 31.
- Baseboard room heater. W. A. Ellis. 2,460,625, Feb. 1.
- Base, Chair. R. Birr. 2,466,148, Apr. 5.
- Base, Chair. R. A., H. W., and R. A. Cramer, Jr. 2,490,210, Dec. 6.
- Base, Chewing gum. W. P. Cohoe. 2,469,861, May 10.
- Base, Chewing gum. F. W. Corkery and J. W. Church. 2,468,393, Apr. 26.
- Base, Closet bowl mounting. J. L. Heaton. 2,488,816, Nov. 22.
- Base, Cutting oil. L. D. Myers and V. J. Muckerhelde. 2,466,645, Apr. 5.
- Base for an electric device. J. F. Schmerheim. 2,459,543, Jan. 18.
- Base for baking enamels, Film-forming. A. E. Young and H. M. Hoogsteen. 2,480,349, Aug. 30.
- Base for bowling pins, Renewable. R. C. Clark. 2,479,003, Aug. 16.
- Base for load handling machines, Rotating. W. M. Huston. 2,458,271, Jan. 4.
- Base for medicinal, cosmetic, and toilet preparation, Bacteriostatic. J. G. Vincent. 2,460,776, Feb. 1.
- Base for portable devices. W. H. Woodward. 2,467,175, Apr. 12.
- Base for self-contained hydraulic motors. T. F. Stacy. 2,463,003, Mar. 1.
- Base for sound record tape, Movable supporting. J. M. Kuhlík. 2,487,976, Nov. 15.
- Base for supporting cushions on furniture frames. A. W. Nemmer. 2,492,589, Dec. 27.
- Base for tables. F. L. Duer. 2,467,080, Apr. 12.
- Base, Machinery. S. Rosenzweig. 2,464,613, Mar. 15.
- Base material for adhesive attachment to surfaces and coating composition for same, Felt. R. F. Seedorf. 2,460,787, Feb. 1.
- Base or support, Table. R. E. Mills. 2,478,118, Aug. 2.
- Base, Snap-on bottle. P. A. Derham. 2,461,968, Feb. 15.
- Base, Standard molding. I. T. Quarnstrom. 2,480,605, Aug. 30.
- Base, Standard molding. I. T. Quarnstrom. 2,490,229, Dec. 6.
- Base structure for electron tubes. R. L. Norton. 2,471,005, May 24.
- Base, Swivel chair. E. S. Harter. 2,470,397, May 17.
- Basement construction, Waterproof. L. Y. Davis. 2,464,491, Mar. 15.
- Basic-alkyl esters and their salts. F. F. Blicke. 2,474,651, June 28.
- Basic-alkyl esters and their salts. F. F. Blicke. 2,489,950, Nov. 29.
- Basic aluminum salt of an aliphatic amino acid and preparing the same. J. C. Krantz, Jr., and D. V. Kibler. 2,480,743, Aug. 30.
- Basic esters of aliphatic tertiary carboxylic acids. H. Martin and A. Margot. 2,460,182, Jan. 25.
- Basic esters of trisubstituted acetic acids. K. Hoffmann and H. Schellenberg. 2,490,964, Dec. 13.
- Basic lead phosphite pigments. L. M. Kebrich. 2,483,469, Oct. 4.
- Basic side chain substituted quinoline derivative. D. S. Tarbell, N. Shakespeare, and J. F. Bunnett. 2,485,174, Oct. 18.
- Basin tap connector. J. J. Hagan. 2,476,597, July 19.
- Basket and carriage, Store. O. E. Watson. 2,479,530, Aug. 16.
- Basket and foldable support therefor, Portable laundry. G. J. Agnew and W. J. Russell, Sr. 2,478,678, Aug. 9.
- Basket, Hat. J. Delgatto. 2,490,508, Dec. 6.
- Basket having extended wire reinforcements bent to form sliding card holders, Wire. W. M. Tingdale. 2,467,411, Apr. 19.
- Basket manufacture. J. Eggl. 2,488,715, Nov. 22.
- Basket, Portable clothes. M. L. Maine. 2,467,900, Apr. 19.
- Basket, Sterilizing. R. A. Mock. 2,467,331, Apr. 12.
- Basket structure for washing machines. G. Fields. 2,465,216, Mar. 22.
- Basket, Wooden dishwashing. R. D. Shepard. 2,477,905, Aug. 2.
- Basket, Woven metal. K. Goldstrom. 2,486,838, Nov. 1.
- Baskets, Sterilizing wooden. B. Poole. 2,491,015, Dec. 13.
- Bass fiddle, Collapsible. P. Ruggiero. 2,464,100, Mar. 8.
- Bassinet. J. W. Boren. 2,475,775, July 12.
- Bassinet and child's seat, Convertible. H. Mover. 2,488,225, Nov. 15.
- Bat, Baseball. J. E. Marsden. 2,458,919, Jan. 11.
- Bath for multilayer color film, Sulfite antistain. H. C. Harsh and J. E. Bates. 2,475,134, July 5.
- Bath for treating stainless steel products, Salt. A. F. Holden. 2,474,674, June 28.
- Bath, Infant's. E. G. Feichtmeir. 2,487,228, Nov. 8.
- Bath stand and dressing table, Infant's folding. C. T. De Puy and W. C. Baxter. 2,461,260, Feb. 8.
- Bath system. R. L. Bailey. 2,492,913, Dec. 27.
- Bath, Transportable leg. A. J. Daniels. 2,486,824, Nov. 1.
- Bather, Baby. R. W. Faulhaber. 2,468,742, May 8.
- Bathing cap. F. W. Bowditch. 2,465,998, Apr. 5.
- Bathing device, Infant. D. M. Kennedy. 2,458,003, Jan. 4.
- Bathroom construction. O. Mankki. 2,486,371, Oct. 25.
- Bathroom locking latch. A. Vander Henst. 2,473,080, June 14.
- Bathrub. F. J. Lassa. 2,464,645, Mar. 15.
- Bathrub. R. E. Restall. 2,468,347, Apr. 26.
- Bathrub. C. J. Rodman. 2,490,982, Dec. 13.
- Bathrub, Collapsible. N. M. Boward. 2,471,302, May 24.
- Bathrub with contained shower curtain. S. E. Dalton, Jr. 2,465,853, Mar. 29.
- Baths containing a chloroprene polymer, Wool shrink proofing. J. B. Rust. 2,471,456, May 31.
- Baths for color photographic materials, Antistain. E. S. Mackey. 2,487,569, Nov. 8.
- Batten clamp. O. and J. A. Lamothe. 2,458,787, Jan. 11.
- Battery and operation thereof, Coke oven. L. Wilputte and F. Wethly. 2,488,952, Nov. 22.
- Battery cable clamp. J. C. Moore. 2,462,660, Feb. 22.
- Battery case. L. W. Graves. 2,465,644, Mar. 29.
- Battery charger. W. H. Lee and E. D. Smith. 2,463,702, Mar. 8.
- Battery charger. F. M. Robinson and C. D. Stein. 2,483,673, Oct. 4.
- Battery charger and rectifier therefor. A. L. Shapiro. 2,471,011, May 24.
- Battery charging system, High-current. C. Cross. 2,488,711, Nov. 22.
- Battery clamp. M. A. Adams. 2,487,917, Nov. 15.
- Battery, Deferred action. I. C. Blake, L. H. Harriss, and J. B. Mullen. 2,491,640, Dec. 20.
- Battery, Dry cell. C. G. Birdsell. 2,463,454, Mar. 1.
- Battery filler plug. V. H. Christen. 2,491,162, Dec. 13.
- Battery filling and ventilating system. L. A. Jaworski and J. Clutcher. 2,480,861, Sep. 6.
- Battery, Flat dry cell. L. E. Quinell. 2,483,983, Oct. 4.
- Battery for coking wet coal and operation thereof, Coke oven. L. Wilputte and F. Wethly. 2,488,953, Nov. 22.
- Battery handle connector. W. N. Allyn. 2,469,857, May 10.
- Battery hold-down clamp. H. E. Meyer. 2,491,997, Dec. 20.
- Battery holder. E. D. Stassen. 2,480,202, Aug. 30.
- Battery mechanism for looms. H. W. Thatcher and E. C. Nichols. 2,479,545, Aug. 16.
- Battery post clamp. H. R. Martin. 2,470,104, May 17.
- Battery-powered gamma-ray counting rate meter of high sensitivity, Portable. H. C. Spicer. 2,462,140, Feb. 22.
- Battery, Salt-water. J. T. Beechlyn. 2,474,716, June 28.
- Battery separator. J. A. Grant. 2,484,787, Oct. 11.
- Battery separators, Making. R. H. Gerke. 2,487,233, Nov. 8.
- Battery terminal. C. A. Bailiff. 2,492,256, Dec. 27.
- Battery, Tubular secondary electric. G. F. N. Oliver. 2,490,598, Dec. 6.
- Battery unit, Flat dry cell. C. P. Deibel. 2,463,089, Mar. 1.
- Battery unit, Flat dry cell. A. F. Rock. 2,475,152, July 5.
- Battery vent and filler plug, Explosion-proof. J. Rittenhouse and M. E. Peters. 2,471,585, May 31.
- Battery with built-in gas ports, Coke oven. G. A. Davis. 2,488,175, Nov. 15.
- Battery with concentric cells, Storage. J. L. Rupp. 2,487,831, Nov. 15.
- Battery with gas combining means, Hermetically-sealed storage. P. H. Craig. 2,465,202, Mar. 22.
- Battery with level indicator, Storage. S. Stelmack. 2,471,660, May 31.
- Battery with refractory separator, Storage. F. T. Baird. 2,475,538, July 5.
- Bayonet for firearms, Folding. G. W. Patchett. 2,467,270, Apr. 12.
- Beacon light. W. A. Pennow. 2,462,222, Feb. 22.
- Beacon, Radio. E. Stanko. 2,483,790, Oct. 4.
- Beacon system, Distance and direction finder radio. L. Mackta. 2,485,618, Oct. 25.
- Beacon system, Radio. E. Labin and D. D. Grieg. 2,485,612, Oct. 25.
- Beacon system, Radio. W. J. O'Brien. 2,483,557, Oct. 4.
- Beader, Paper cup. P. E. Wixon and C. E. Chapman. 2,473,836, June 21.
- Beading machine. J. L. Marsh. 2,484,632, Oct. 11.
- Beam and making, Brake. L. L. Whitney. 2,475,167, July 5.
- Beam and safety support, Brake. E. J. Simanek. 2,475,158, July 5.
- Beam, Brake. F. Schaefer. 2,461,183, Feb. 8.
- Beam deflection control for cathode-ray devices. A. Wright and E. L. Clark. 2,460,112, Jan. 25.
- Beam influencing apparatus, Electron. O. H. Schade. 2,463,720, Mar. 8.
- Beam for looms, Warp. F. D. Lindquist. 2,473,155, June 14.
- Beam letoff, Automatic. G. O. Young. 2,470,125, May 17.
- Beam power tube. D. G. Haines. 2,459,072, Jan. 11.
- Beam system, Structural. R. E. Spaulding. 2,465,613, Mar. 29.
- Beaming or warping machine. F. Lambach. 2,491,740, Dec. 20.
- Bean cleaning machines, Rotating cylinder type of. J. W. Henry. 2,458,267, Jan. 4.
- Bean straw separator. F. Abell. 2,468,708, Apr. 26.

- Bearing: See—
Adjustable rack slide bearing. Electric motor bearing.
Antifriction ball bearing. Fluid pressure bearing.
Antifriction bearing. Hermetically sealed, self-lubricating slide bearing.
Combination radial and thrust bearing. Machine tool slide bearing.
Conducting bearing. Pillow block bearing.
Coupling bearing. Reversible bearing.
Coupling rod bearing. Rolling mill bearing.
Disconnectable ball bearing. Sealed sleeve bearing.
Double row bearing. Self-aligning bearing.
Double row roller bearing. Shaft bearing.
Slipper bearing.
Bearing. E. H. Grafton. 2,491,728, Dec. 20.
Bearing. A. C. Hagg. 2,479,349, Aug. 16.
Bearing. L. R. Heim. 2,488,775, Nov. 22.
Bearing. H. W. Luetkemeyer and R. A. Schaefer. 2,459,172, Jan. 18.
Bearing. M. E. Martellotti. 2,459,825, Jan. 25.
Bearing. L. D. Potts. 2,482,205, Sept. 20.
Bearing. L. L. Stott. 2,459,598, Jan. 18.
Bearing alloy. H. Y. Hunsicker and L. W. Kempf. 2,473,059-60, June 14.
Bearing apparatus. C. C. Davenport. 2,490,784, Dec. 13.
Bearing assembly. R. A. Hirschmugl. 2,476,193, July 12.
Bearing assembly. G. D. Willits. 2,492,775, Dec. 27.
Bearing assembly, Roller. S. Smith. 2,474,016, June 21.
Bearing bracket. M. I. Levy. 2,474,151, June 21.
Bearing construction, Self-aligning. T. Y. Korsgren. 2,470,354, May 17.
Bearing for cushioned rolls of drawing frames. E. R. Collins. 2,465,634, Mar. 29.
Bearing for drawing frames. E. B. Robinson. 2,490,544, Dec. 6.
Bearing for roving frames, Shaft. W. F. Lee and J. B. Allen. 2,491,323, Dec. 13.
Bearing for seamless tube mills and the like, Thrust. J. W. Offutt. 2,480,381, Aug. 30.
Bearing journal, Composite floating. K. W. Atwater. 2,471,187, May 24.
Bearing lubrication and sealing. T. B. Keesling. 2,492,484, Dec. 27.
Bearing mounting. R. T. Axe. 2,488,654, Nov. 22.
Bearing mounting. L. W. Wightman. 2,473,267, June 14.
Bearing of the angle type, Antifriction. V. Palumbo. 2,488,929, Nov. 22.
Bearing or pillow block for shafts, Fabricated. G. G. Hamilton. 2,466,543, Apr. 5.
Bearing replacer tool. C. J. Smith. 2,477,270, July 26.
Bearing shunt means. C. K. Steins. 2,459,099, Jan. 11.
Bearing sludge, Calcining lime. F. S. White. 2,465,410, Mar. 29.
Bearing sweep amplifier circuit. W. H. Doherty. 2,476,441, July 19.
Bearing with axially aligned bearing means, Compact. V. E. Palumbo. 2,481,146, Sept. 6.
Bearings, Making. O. Bradbury. 2,480,114, Aug. 30.
Bearings, Making composite. R. G. Olt. 2,461,765, Feb. 15.
Bearings, Testing. C. L. Stevens and C. J. Moody. 2,482,381, Sept. 20.
Beater element for pulverizing apparatus. O. Craig. 2,474,305, June 28.
Beating apparatus. H. Hansen. 2,483,280, Sept. 27.
Beauty parlor rolling auxiliary chair. J. W. Adams. 2,471,183, May 24.
Bed board. C. W. Greenhill. 2,490,867, Dec. 13.
Bed bottom and mattress structure, Unitary. L. Jacobs. 2,485,493, Oct. 18.
Bed chamber, Inflatable. J. E. Yost. 2,466,142, Apr. 5.
Bedclothes holder. H. D. Calabro. 2,459,497, Jan. 18.
Bed, Collapsible baby. W. C. F. Dietz. 2,485,436, Oct. 18.
Bed construction, Sofa. G. Murtagh and J. B. Platt. 2,483,296, Sept. 27.
Bed, Convertible studio. M. Fox. 2,465,863, Mar. 29.
Bed, Folding. W. Jasinski. 2,470,930, May 24.
Bed heater. W. J. Miller. 2,472,224, June 7.
Bed, Invalid's. M. D. Beem. 2,483,612, Oct. 4.
Bed, Invalid's. M. D. Beem and A. J. Taylor. 2,477,400, July 26.
Bed lamp. V. N. Kincaid. 2,458,174, Jan. 4.
Bed leg, Detachable. A. Slagle. 2,466,494, Apr. 5.
Bed motion for printing presses. W. M. Kelly. 2,489,712, Nov. 29.
Bedpan pad. C. H. Hunter. 2,481,427, Sept. 6.
Bed partition. A. H. Power. 2,471,977, May 31.
Bed, Pneumatic. W. C. Rogers and A. V. Anderson. 2,465,268, Mar. 22.
Bedrall. C. Harris. 2,465,091, Mar. 22.
Bed-rail extension. G. Hill. 2,459,880, Jan. 25.
Bed sheet construction. B. Berman. 2,462,156, Feb. 22.
Bed, Sofa. D. Catalini. 2,485,188, Oct. 18.
Bed spring. S. J. Blaha. 2,484,872, Oct. 18.
Bedspring support. E. E. Jacob. 2,476,605, July 19.
Bedstead. M. Mattedi. 2,462,524, Feb. 22.
Bed structure. H. C. Flint. 2,459,756, Jan. 18.
Bed table. E. R. Norwood. 2,471,646, May 31.
Bed table. C. L. Strauss. 2,460,244, Jan. 25.
Bed table and bookholder. A. G. Blumenstock. 2,485,135, Oct. 18.
Bee comb foundation frame. L. B. and N. B. Smith. 2,474,382, June 28.
Bee feeder. P. M. Durben. 2,492,468, Dec. 27.
Beer, Preservation of. A. H. Hughes. 2,472,252, June 7.
Beet juices, Purifying. T. M. Rinehart. 2,477,206, July 26.
Bell, Cycle. M. Brun. 2,460,166, Jan. 25.
Bell, Cycle. M. Brun. 2,462,718, Feb. 22.
Bell, Diving. J. Diamond. 2,479,217, Aug. 16.
Bell for windows, doors, etc., Alarm. A. R. Euler. 2,492,625, Dec. 27.
Bellows construction. L. S. Williams. 2,487,288, Nov. 8.
Bellows, Making metallic. J. R. Hopkins. 2,478,398, Aug. 9.
Bellows shaft seal protector. R. D. Snyder. 2,467,239, Apr. 12.
Belt. R. R. Wellstatter. 2,467,714, Apr. 19.
Belt. T. F. White. 2,483,716, Oct. 4.
Belt, Abrasive. O. H. Harris. 2,479,929, Aug. 23.
Belt, Abrasive and buffing. R. G. Minarik and W. L. Ryman. 2,483,293, Sept. 27.
Belt, Adjustable. S. Hyman. 2,465,536, Mar. 29.
Belt and buckle combination. J. J. Meyerson and H. Buchsbaum. 2,486,311, Oct. 25.
Belt and radio receiver, Antenna. O. G. Cafrella and J. E. Votour. 2,470,687, May 17.
Belt and transmission. W. A. Meyer. 2,471,969, May 31.
Belt-applying tool. J. R. and A. L. Engard. 2,470,810, May 24.
Belt, Aviator's. K. W. Varney and H. D. Allen. 2,458,810, Jan. 10.
Belt, Cartridge. J. D. Elder. 2,475,380, July 5.
Belt conveyer, Movable. S. D. Russell. 2,481,244, Sept. 6.
Belt, Disintegrating cartridge. W. M. Burgess. 2,459,147, Jan. 18.
Belt driving device. N. O. Berquist. 2,472,513, June 7.
Belt feed mechanism for rapid fire guns. J. R. Stephenson. 2,466,564, Apr. 5.
Belt, Flexible. W. C. Sutton. 2,475,264, July 5.
Belt for airplanes, Safety. E. L. Franz. 2,488,858, Nov. 22.
Belt for belt conveyers. P. J. Mathieu. 2,488,872, Nov. 22.
Belt for garments, Expansion. A. D. Grisanti. 2,487,649, Nov. 8.
Belt for infants, Safety. T. Cataldo. 2,486,114, Oct. 25.
Belt grader, Endless. B. W. Hatch. 2,474,051, June 21.
Belt, High-speed. E. Nassimbene. 2,461,654, Feb. 15.
Belt installing tool. E. E. Pendleton and H. C. League. 2,475,459, July 5.
Belt lacer fastener applying tool. W. J. Mervenne. 2,478,050, Aug. 2.
Belt link, Cartridge. J. J. Murphy. 2,480,950, Sept. 6.
Belt link, Cartridge. R. S. Sanford and W. J. Andres. 2,480,972, Sept. 6.
Belt loader. A. L. Bureau. 2,474,218, June 28.
Belt, Maternity. M. M. Scheinberg. 2,486,211, Oct. 25.
Belt or strap fastener. A. Neumann. 2,475,634, July 12.
Belt, Power transmission. W. R. Burtie. 2,458,057, Jan. 4.
Belt, Retractable safety. M. B. Kirkpatrick. 2,468,560, Apr. 26.
Belt, Spring clip fabric ammunition. G. T. Bixby. 2,457,803, Jan. 4.
Belt, Surgical. E. E. Scott. 2,476,513, July 19.
Belt, Suspensory and health. M. M. Weiss. 2,463,730, Mar. 8.
Belt-tightening device. F. C. Hanson. 2,459,379, Jan. 18.
Belt tightening means for engine units. E. H. Ensinger. 2,458,575, Jan. 11.
Belt, Transmission. L. H. Shingle. 2,468,898, May 3.
Belt turning apparatus. J. Adelman. 2,480,207, Aug. 30.
Belt with wearing apparel, Buoyant. J. J. Podell. 2,463,641, Mar. 8.
Belting. S. P. Parker. 2,473,607, June 21.
Belting machine, Cartridge. A. L. Bureau. 2,480,834, Sept. 6.
Bench and table, Combined. C. O. Larson. 2,481,935, Sept. 13.
Bench attachment, Vanity. A. G. Holland. 2,463,177, Mar. 1.
Bench, Automobile door repair. R. Bremer. 2,469,151, May 3.
Bench, Collapsible. F. J. Schmidt. 2,470,869, May 24.
Bench drill stand. G. C. Withide. 2,477,916, Aug. 2.
Bench, Greenhouse. T. E. King. 2,491,271, Dec. 13.
Bench or stand, Demountable. L. Deddo. 2,490,858, Dec. 13.
Bench, Piano. V. D. and E. Belfield. 2,470,330, May 17.
Bench, Power saw filing. S. B. Bryson. 2,480,546, Aug. 30.
Bender and adjustable guide for metal tubing, Pivoted. G. S. Clouse. 2,466,381, Apr. 5.
Bender for forming tubular bushings. J. T. Myers. 2,480,378, Aug. 30.
Bender for simultaneously bending two parallel lengths of metal tubing, Dual pivoted. C. J. Bertolini and H. Van Dyke. 2,488,896, Nov. 22.
Bender, Pivoted angular. B. A. Woina. 2,487,747, Nov. 8.
Bender with abutment roller adjustably mounted on vertically inclined bracket, Pivoted. A. E. Lemay. 2,470,036, May 10.
Bender with pivoted sliding side shapers, Pivoted. E. M. Hunt. 2,487,810, Nov. 15.

- Bender with work-clamping jaw and nested sleeves on fulcrum, Pivoted sweep arm. H. W. English. 2,492,360, Dec. 27.
- Bending a plurality of glass sheets simultaneously. J. D. Gwyn. 2,486,153, Oct. 25.
- Bending apparatus with work holding dies, Tangent. L. B. Green. 2,482,617, Sept. 20.
- Bending device comprising hinged bending leaves with removable work-clamping leaf. W. W. Maier. 2,484,518, Oct. 11.
- Bending machine. T. A. Taylor. 2,467,344, Apr. 12.
- Bending machine. V. H. Van Sant. 2,477,020, July 26.
- Bending machine with jointed sweep arm carrying a mandrel, Metal. F. L. Duer. 2,491,893, Dec. 20.
- Bending pipe. C. Cross. 2,466,877, Apr. 12.
- Bending single crystals of corundum and spinel. E. L. McCandless and D. M. Yenni. 2,485,979, Oct. 25.
- Bending straight strips into annular collars or flanges between a disk and oscillating rollers. A. Tuttle. 2,471,083, May 24.
- Bending thin walled thermoplastic bodies, including tubes. D. B. Rosshelm, F. A. Fichtmueller, and J. M. Schenk. 2,480,774, Aug. 30.
- Bent glass or plastic picture frame. E. E. Kubec. 2,490,638, Dec. 6.
- Beneficiating cherty minerals. H. J. Dunton. 2,491,302, Dec. 13.
- Beneficiation of garnet ores by froth flotation. R. D. Booth and R. A. Pickens. 2,477,402, July 26.
- Beneficiation of ores by the removal of iron. H. D. Erasmus. 2,480,184, Aug. 30.
- Benzanthrone acridine dianthrimide acridones. M. Scalera and A. W. Joyce. 2,475,521, July 5.
- Benzanthrone-thiophanthraquinone acridines. C. F. Belcher and L. A. Mero. 2,480,110, Aug. 30.
- Benzanthroneylamino dianthrimide acridones. M. Scalera and A. W. Joyce. 2,463,810, Mar. 8.
- Benzanthroneylamino-thiophanthraquinone compounds. C. F. Belcher and L. A. Mero. 2,480,109, Aug. 30.
- Benzanthroneylamino-thiophanthraquinone compounds. C. F. Belcher and L. A. Mero. 2,480,111, Aug. 30.
- Benzene and homologues thereof, Purification of. H. J. Hepp. 2,483,492, Oct. 4.
- Benzene-azo-benzene-azo-oleyl phenol. H. C. Olpin, K. R. House, and J. Wright. 2,489,384, Nov. 29.
- Benzene hexachloride, Deodorizing. H. J. Thomas, R. M. Stager, and H. R. McCombie. 2,486,688, Nov. 1.
- Benzenesulfonylthiazoles and preparation of the same. J. H. Williams and R. O. Roblin, Jr. 2,478,146, Aug. 2.
- Benzhydryl beta haloalkyl amines. G. Rieveschl, Jr., and R. W. Fleming. 2,490,835, Dec. 13.
- Benzhydryl beta hydroxy alkyl amines. G. Rieveschl, Jr., and R. W. Fleming. 2,490,834, Dec. 13.
- Benzil-acid-derivative and the manufacture thereof. E. Masset. 2,477,816, Aug. 2.
- Benzimidazole azo dyestuffs, Metallized. C. E. Lewis. 2,479,944, Aug. 23.
- Benzodioxane azo dyestuffs. G. C. Strouse. 2,468,277, Apr. 26.
- Benzoic acid derivatives. S. Avakian. 2,458,823, Jan. 11.
- Benzoic acid esters of alicyclic (Sec.) amino alkanols. A. C. Cope. 2,486,374, Nov. 1.
- Benzothiophenes, Production of. B. S. Greensfelder and R. J. Moore. 2,478,914, Aug. 16.
- Benztiazine compounds, Preparation of. F. J. Wolf and K. Pfister, III. 2,489,351, Nov. 29.
- Benztiazines. F. J. Wolf and K. Pfister, III. 2,489,353-5, Nov. 29.
- Benztiazines. F. J. Wolf and K. Pfister, III. 2,489,357-9, Nov. 29.
- Benztiazines and preparing the same. F. J. Wolf and K. Pfister, III. 2,489,356, Nov. 29.
- Benzyl compounds, Homopolymerization of. C. F. Feasley and H. D. Hartough. 2,486,831, Nov. 1.
- Benzylidenamino compounds of pyridine. H. L. Friedman and L. D. Braitherg. 2,472,292, June 7.
- Berth arrangement. B. E. Jones. 2,470,853, May 24.
- Berth, Folding. A. A. Hopeman, Jr., and J. A. Bohnsack. 2,492,362, Dec. 27.
- Beryllium oxide from beryllium ore, Recovering. A. Schormuller. 2,459,895, Jan. 25.
- Beta-acetoxypropionic acid, Preparation of. S. A. Ballard, B. P. Geyer, and R. H. Mortimer. 2,467,876, Apr. 19.
- β -amino- α -chloroacrylonitriles and preparation. J. G. Erickson. 2,459,420, Jan. 18.
- Beta amino propionates. A. F. Isbell. 2,468,012, Apr. 19.
- Beta-benzohydroxyloxyethylamines and preparing. G. Rieveschl, Jr. 2,483,435, Oct. 4.
- β,β' -oxydipropionic acids and preparation. H. J. Hagemeyer, Jr. 2,466,419, Apr. 5.
- Beta, beta-thenylhydroxylamine, Oxidation of. H. D. Hartough. 2,463,500, Mar. 8.
- Beta-cyano vinyl acetic acid esters. C. R. Milone. 2,469,836, May 10.
- Beta-cyclohexyl-alpha-alpha - dimethyl - alpha - dimethyl-alpha amino ethane and salts thereof. R. S. Shelton and M. G. Van Campen, Jr. 2,482,377, Sept. 20.
- β -dihydro-lynylamine and the acid addition salts thereof. M. W. Goldberg and S. Teitel. 2,483,381, Sept. 27.
- Beta dinitro compounds, Manufacture of. C. T. Bahner and H. T. Kite. 2,477,162, July 26.
- Beta-dithiocarbamyl carboxylic acid compounds and their preparation. T. L. Gresham and J. E. Jansen. 2,474,839, July 5.
- Beta-ethoxy-alpha-phenylacetamidoacrylic acid. R. L. Clark. 2,483,530, Oct. 4.
- [β -(5,7-dichloroquinolyl-(8)-oxy)-ethyl]-dimethyl-dodecyl-ammonium bromide. M. Hartmann and W. Bosshard. 2,487,707, Nov. 8.
- Beta-, gamma-, and delta-tocopherol to alpha-tocopherol, Conversion of. L. Welsler. 2,486,539, Nov. 1.
- Beta (heterocyclic-thio) carboxylic acid compounds, The preparation of. J. E. Jansen and R. A. Mathes. 2,483,416, Oct. 4.
- Beta-isothioureac propionic acids, Preparation of. T. L. Gresham and F. W. Shaver. 2,474,838, July 5.
- Beta lactones, Continuous process of producing. H. J. Hagemeyer, Jr., and D. C. Cooper. 2,469,690, May 10.
- β -lactones from unsaturated aldehydes and unsaturated ketones. H. J. Hagemeyer, Jr. 2,478,388, Aug. 9.
- β -lactones, Preparation of. J. R. Caldwell and H. J. Hagemeyer, Jr. 2,462,357, Feb. 22.
- β -lactones, Preparing. H. J. Hagemeyer, Jr. 2,469,110, May 3.
- Beta mercapto thioethers. H. R. Snyder and J. M. Stewart. 2,490,984, Dec. 13.
- β -naphthoselenazole compounds. H. W. J. Cressman. 2,475,949, July 12.
- Beta-nitroalkane sulfonic acids. R. L. Heath and H. A. Pigott. 2,465,803, Mar. 29.
- β -nitroalkyl aralkyl ethers and preparing them. M. Senkus. 2,485,988, Oct. 25.
- Beta-phthalimido propane derivatives, Preparing. S. Chodroff, R. Kapp, and C. O. Beckmann. 2,492,554, Dec. 27.
- Beta-picoline, Concentration of. K. H. Slagle and R. S. Bowman. 2,459,192, Jan. 18.
- Beta-picoline, Purification of. R. S. Bowman. 2,459,359, Jan. 18.
- Beta-substituted ethyl-mercapto polymers and preparing same. W. J. Burke. 2,478,038, Aug. 2.
- Beta-trichloroethane, Production of. O. W. Cass. 2,461,142, Feb. 8.
- Bettering pelts and hides. G. A. Rubissow. 2,470,111, May 17.
- Bevel gearing, Multiplex. E. C. Hendrickson. 2,475,283, July 5.
- Beveled interengaging impellers supercharger or blower. J. W. F. Holl. 2,475,096, July 5.
- Beverage composition. C. H. Bloss. 2,476,581, July 19.
- Beverage cooler. F. O. Alexander. 2,464,111, Mar. 8.
- Beverage dispenser. W. W. Bowman. 2,462,019, Feb. 15.
- Beverages and manufacturing same, Stabilized fermented. J. S. Wallerstein and R. T. Alba. 2,470,006, May 10.
- Beverages and product obtained thereby, Improving fermented. J. S. Wallerstein, E. Farber, and R. T. Alba. 2,471,502, May 31.
- Bias indicator. R. G. Schuler. 2,481,354, Sept. 6.
- Biasing system, Grid. E. R. Sarraff. 2,492,196, Dec. 27.
- Bib. B. L. Cantor. 2,479,154, Aug. 16.
- Bib. F. H. McMartin. 2,469,835, May 10.
- Bib, Disposable. H. E. Smith. 2,492,599, Dec. 27.
- Bicycle and baby carriage, Combination. G. G. Hauptman. 2,482,585, Sept. 20.
- Bicycle and frame and parts therefor. J. Fried. 2,482,472, Sept. 20.
- Bicycle attachment. E. Ryder. 2,489,821, Nov. 29.
- Bicycle brake. R. Millray. 2,481,327, Sept. 6.
- Bicycle coaster brake. H. A. Sherwood. 2,473,177, June 14.
- Bicycle drive, Chainless. R. A. Watson. 2,475,654, July 12.
- Bicycle frame. H. N. Maier and T. H. Pickering. 2,470,441, May 17.
- Bicycle generator. H. F. May. 2,488,021, Nov. 15.
- Bicycle kick stand. M. D. Walklet. 2,486,583, Nov. 1.
- Bicycle knee action, Front wheel. W. W. Barnett. 2,462,711, Feb. 22.
- Bicycle package. P. J. Yarman. 2,490,186, Dec. 6.
- Bicycle sidcar. J. R. Warner. 2,485,994, Oct. 25.
- Bicycle, Stabilizable. H. N. Pedersen. 2,462,769, Feb. 22.
- Bicycle stand. A. J. Landry. 2,468,763, May 3.
- Bicycle trailer coupling. W. R. Peek. 2,468,894, May 3.
- Bicycloalkyl aromatic compounds and hydrocarbons, Manufacture of. V. N. Ipatieff and H. Pines. 2,480,268, Aug. 30.
- Bicycloalkyl aromatic compounds, Production of. L. Schermerling. 2,480,267, Aug. 30.
- Bidirectional overload clutch. G. Swahnberg. 2,490,172, Dec. 6.
- Biguanide derivatives. F. H. S. Curd, D. N. Richardson, and F. L. Rose. 2,475,081, July 5.
- Biguanide derivatives. F. H. S. Curd and F. L. Rose. 2,467,371, Apr. 19.
- Biguanide derivatives. F. H. S. Curd and F. L. Rose. 2,473,989, June 21.
- Bike, Ski. M. A. Elliott. 2,479,674, Aug. 23.
- Bike, Snow. N. F. Foner. 2,466,222, Apr. 5.
- Bile acid amides of diaminodiphenylsulfone. A. Berczeller. 2,485,253, Oct. 18.
- Bilge pump. J. T. Hayward. 2,476,545, July 19.
- Bilge pump. A. R. Pierce, Jr. 2,458,197, Jan. 4.
- Bill compartment. G. K. Weaver. 2,469,485, May 10.
- Billboard having a workman's platform and ladder. R. W. Olmsted. 2,492,937, Dec. 27.
- Billboard, Motion-picture. D. Joss. 2,491,184, Dec. 13.
- Billfold, Stitchless. J. P. Wege. 2,484,135, Oct. 11.

- Billfold with gusset pocket. R. P. Henderson. 2,473,056, June 14.
- Billet and manufacture thereof, Composite. W. L. Keene. 2,473,686, June 21.
- Billet, Bimetallic. W. L. Keene and W. A. Carlson. 2,468,206, Apr. 26.
- Billiard cue lock. J. Bowman. 2,482,240, Sept. 20.
- Bin construction, Counter. H. J. Hickey. 2,483,769, Oct. 4.
- Bin, Grading machine. M. Lupton. 2,471,225, May 24.
- Bin or the like, Plywood grain. H. von Breiten. 2,463,834, Mar. 8.
- Bin, Rotary cooling. F. R. Greyson. 2,480,726, Aug. 30.
- Bin, Sheet receiving and aligning. A. Dager. 2,460,876, Feb. 8.
- Bin, Tilttable. R. D. Adams. 2,459,301, Jan. 18.
- Bin with movable bottom. S. Saul, Jr. 2,468,115, Apr. 26.
- Binary asphaltic particles, Making. G. B. Mollring. 2,484,792, Oct. 11.
- Binder case construction for books. F. S. Schade. 2,486,330, Oct. 25.
- Binder composition for sand cores. C. E. Hartwig. 2,465,094, Mar. 22.
- Binder construction, Ring. J. Schade. 2,473,663, June 21.
- Binder for loading cars. C. P. Lewis and T. H. Cureton. 2,474,949, July 5.
- Binder, Gear rack load. L. Haubert. 2,458,375, Jan. 4.
- Binder, Loom. A. E. Chouinard. 2,475,943, July 12.
- Binder, Loose-leaf. J. J. Buckner. 2,489,448, Nov. 29.
- Binder, Loose-leaf. J. A. Gibson. 2,461,050, Feb. 8.
- Binder, Loose-leaf. J. P. Guinane. 2,472,969, June 14.
- Binder, Loose-leaf. E. Hazel, Jr. 2,472,892, June 14.
- Binder, Loose-leaf. C. Z. Hubbell. 2,469,922, May 10.
- Binder, Loose-leaf. B. C. Roehrl. 2,484,742, Oct. 11.
- Binder, Loose-leaf. F. S. Schade. 2,486,329, Oct. 25.
- Binder, Loose-leaf. C. B. Stevens. 2,460,718, Feb. 1.
- Binder, Loose-leaf post. S. Segal. 2,474,698, June 28.
- Binder, Mechanical. A. Liebman. 2,466,451, Apr. 5.
- Binder mechanism. F. D. Pitt. 2,477,417, July 26.
- Binder, Notebook loose-leaf. S. Segal. 2,460,850, Feb. 8.
- Binder, Refillable loose-leaf. A. F. Brook. 2,463,946, Mar. 8.
- Binder, Swivel ring. A. R. Russell. 2,459,541, Jan. 18.
- Binders, Making. P. V. Spinner. 2,491,528, Dec. 20.
- Binders, Making plastic. P. V. Spinner. 2,491,527, Dec. 20.
- Binding device. C. E. Emmer. 2,489,706, Nov. 29.
- Binding for linoleum. A. I. Kantor. 2,472,081, June 7.
- Binding machine, Coil. A. W. Ferguson. 2,486,832, Nov. 1.
- Binding means for loose leaves. H. Li Castri. 2,469,166, May 3.
- Bingo card and numbered indicators therefor. J. G. Arnold. 2,484,143, Oct. 11.
- Binocular loupe. M. Frommer. 2,459,021, Jan. 11.
- Binocular shutter mechanism. L. E. Hamilton. 2,461,379, Feb. 8.
- Biochemical process for production of vitamins of the B complex. J. Martin. 2,491,927, Dec. 20.
- Biochemical process for the production of riboflavin. H. R. Stiles. 2,483,855, Oct. 4.
- Biotin intermediate. S. A. Harris and G. E. Arth. 2,460,226, Jan. 25.
- Biotin intermediate. S. A. Harris and K. Folkers. 2,460,224-5, Jan. 25.
- Biotin intermediate. M. B. and E. E. Moore. 2,472,433, June 7.
- Biotin intermediate. O. Schnider, J.-P. Bourquin, and A. Grüssner. 2,480,200, Aug. 30.
- Biotin intermediate and hydrogenating thiophenes. R. Mozingo, S. A. Harris, G. E. Arth, and K. Folkers. 2,487,051, Nov. 8.
- Bipod. J. C. Garand. 2,489,283, Nov. 29.
- Bird call. R. G. Shurley. 2,460,716, Feb. 1.
- Bird feeder and amusement device, Combination. A. F. R. Anderson. 2,487,087, Nov. 8.
- Birdproofing. J. S. Peles. 2,458,727, Jan. 11.
- Birdproofing. J. S. Peles. 2,475,047, July 5.
- Bis-4-hydroxy-coumarin esters, Manufacturing. J. Rosický. 2,482,511, Sept. 20.
- Bis-glycolic acid amides of 2,6-diamino-pyridines, and preparing them. W. A. Lott, J. Bernstein, and B. Sterns. 2,461,119, Feb. 8.
- Bismuth para amino benzoate, Basic. C. W. Peake and E. M. Glocker. 2,492,710, Dec. 27.
- Bis-phenols, Preparation of. J. E. Jansen. 2,468,982, May 3.
- Bis-trialkyl citrate sulfites. W. J. Myles. 2,465,391, Mar. 29.
- Bit: See—
- Bridle bit. Mouth-protective bit.
- Cone type well drilling bit. Removable drilling bit.
- Curb-type bridle bit. Rock drill bit.
- Detachable bit. Roller bit.
- Drill bit. Rotary drill bit.
- Drilling bit.
- Bit. H. M. Morrow. 2,483,220, Sept. 27.
- Bit for drilling coal and rock, Rotary. W. Winn. 2,461,305, Feb. 8.
- Bit with protected insert. H. M. Morrow. 2,483,221, Sept. 27.
- Bits, Making rock drill. J. C. Curtis. 2,463,953, Mar. 8.
- Bitumen coated surface and making. J. van den Berge. 2,481,370, Sept. 6.
- Bituminous emulsions. L. Worson. 2,468,533, Apr. 26.
- Bituminous material and making the same, Plastic. G. Croyere. 2,478,654, Aug. 9.
- Bituminous materials with fillers, Mixing. B. D. Green-shields. 2,459,520, Jan. 18.
- Bituminous mix. B. H. Wait. 2,469,585, May 10.
- Black oxide coated steel sheets, Producing. J. W. Hill. 2,481,424, Sept. 6.
- Blackening copper and copper alloys. I. L. Newell. 2,475,981, July 12.
- Bladder irrigator, Automatic intermittent. O. A. Nelson. 2,478,876, Aug. 9.
- Blade, Adjustable rotor. H. W. Bonnett. 2,473,134, June 14.
- Blade and mounting, Doctor. H. A. Baker. 2,487,409, Nov. 8.
- Blade assembly, Variable pitch fan. J. J. Brandon and R. J. Etherington. 2,479,668, Aug. 23.
- Blade attachment, Bulldozer. R. W. Smith. 2,468,380, Apr. 26.
- Blade attachment, Propeller. M. C. Green. 2,457,815, Jan. 4.
- Blade construction, Sorter pocket and chute. E. A. Ford. 2,461,418, Feb. 8.
- Blade-dispensing container. N. Testi. 2,472,051, May 31.
- Blade droop stop, Automatic. S. L. Crowell. 2,465,674, Mar. 29.
- Blade feathering device for propellers, Centrifugally operated. J. H. Jacobs. 2,464,234, Mar. 15.
- Blade for plug caps, Solderless. F. Klumpp, Jr. 2,476,738, July 19.
- Blade for rotating wing aircraft, Rotor. R. W. Hess and G. P. Martin. 2,467,031, Apr. 12.
- Blade for rotative winged aircraft, Rotor. H. S. Campbell. 2,477,113, July 26.
- Blade form for supercharger impellers. N. A. Dunnells and R. E. Gorton. 2,469,458, May 10.
- Blade handle. P. W. Koontz. 2,464,091, Mar. 8.
- Blade holder. J. T. Urban and A. Batzdorff. 2,482,385, Sept. 20.
- Blade manufacture, Wide propeller. F. A. Gruetjen. 2,457,889, Jan. 4.
- Blade oscillating and driving mechanism for lawn mowers. G. Swahnberg. 2,490,173, Dec. 6.
- Blade pitch adjustment. E. Wildhaber. 2,460,559, Feb. 1.
- Blade, Potato digger. F. R. Wright. 2,472,360, June 7.
- Blade, Rotor. F. A. Hoffman and M. B. Harlow. 2,460,351, Feb. 1.
- Blade, Rotor. H. H. Platt. 2,475,337, July 5.
- Blade, Rotor. C. M. Seibel. 2,470,056, May 10.
- Blade, Rotor. I. I. Sikorsky. 2,469,480, May 10.
- Blade structure, Axial flow turbine. O. A. Wiberg. 2,463,340, Mar. 1.
- Bladed shear reducing mill. H. G. and W. H. Lykken. 2,463,337, Apr. 26.
- Bladed wheel. A. G. Schneider. 2,481,541, Sept. 13.
- Blank base and its manufacture. I. Korrol. 2,463,780, Mar. 8.
- Blank cup, Folded. H. B. Cranshaw. 2,485,704, Oct. 25.
- Blank for shoe uppers. E. Cassano. 2,471,366, May 24.
- Blanking system for locked sweeps in panoramic systems. B. R. Gardner, E. T. Wilbur, and L. W. Aukerman. 2,490,045, Dec. 6.
- Blanket for horses, Saddle. N. H. Humphrey. 2,461,899, Feb. 15.
- Blanket, Insulating. R. H. Rover. 2,460,848, Feb. 8.
- Blanket, Printer's. L. R. Liles and E. W. Chapman. 2,489,791, Nov. 29.
- Blankets, blanket material, felt substitutes, and carpet material. A. P. Benthall. 2,472,512, June 7.
- Blankets, blanket material, felt substitutes, and carpet material, Manufacture of. A. P. Benthall. 2,472,511, June 7.
- Blankets, Making electric. R. J. Cochran. 2,490,417, Dec. 6.
- Blasting machine. A. U. Davis. 2,458,687, Jan. 11.
- Blasting machine, Sand. C. J. Kammerer and A. N. MacKinnon. 2,484,625, Oct. 11.
- Blasting machine, Sand. W. J. Workman. 2,483,956, Oct. 4.
- Blasting machine, Work. W. I. Gladfelter. 2,478,156, Aug. 2.
- Blasting mat. J. S. Mazzella. 2,474,905, July 5.
- Blasting mat, Double stranded. J. S. Mazzella. 2,474,904, July 5.
- Bleaching clay, Nonacid activation process for. E. C. Bierce. 2,481,641, Sept. 13.
- Bleaching composition, Benzoyl peroxide. R. S. White-side and C. H. Allen. 2,460,439, Feb. 1.
- Bleaching poplar groundwood. K. A. Craig. 2,474,034, June 21.
- Bleaching process, Catalytic. R. M. Levy and J. E. Brennan. 2,480,148, Aug. 30.
- Bleed valve. L. O. Keefer. 2,469,505, May 10.
- Bleeding tool. A. T. D'Elosua. 2,477,864, Aug. 2.
- Blind. H. J. Mackin. 2,465,246, Mar. 22.
- Blind for windows, Adjustable. C. A. Digby. 2,485,263, Oct. 13.
- Blind rivet expander. J. P. Wyatt. 2,465,144, Mar. 22.
- Blind stitching apparatus. S. J. Birginal. 2,470,914, May 24.

Blind stitching means. S. J. Birginal. 2,470,286, May 17.

Block: See—

Air-cooled block. Metal sanding block.
 Artist sketch block. Mineral salt block.
 Automatic breech block. Photo-composing type block.
 Building block. Pillow block.
 Concrete curb block. Sanding block.
 Garment sleeve block. Snatch block.
 High-frequency shorting block. Terminal block.
 Hollow educational block. Wheel block.
 Logging block.
 Block and bearing assembly, Pulley. J. J. Rozner. 2,459,290, Jan. 18.
 Block arrangement, Grinding. J. M. Stryhal. 2,470,530, May 17.
 Block base, Sectional switch. H. E. Reynolds. 2,465,039, Mar. 22.
 Block for lathes and the like, Tool. L. W. Premo. 2,485,049, July 5.
 Block for railway crossings and the like, Flare. F. G. Wertz. 2,485,947, Oct. 25.
 Block for spectacle cases, Nose. N. Pearlstein. 2,464,149, Mar. 8.
 Block for wall construction, Fabricated. L. C. Sherman. 2,480,612, Aug. 30.
 Block for weaving shuttles, Yarn guiding. S. Wood. 2,470,064, May 10.
 Block machine, Cement. W. C. Phillips, Sr., and W. C. Phillips, Jr. 2,477,266, July 26.
 Block making machine. L. R. Coates and L. J. Reiser. 2,492,415, Dec. 27.
 Block making machine, Concrete. A. G. Carlsen. 2,460,167, Jan. 25.
 Block mold. A. M. Rasmussen. 2,475,435, July 5.
 Block molding machine. L. T. Ferrin. 2,460,220, Jan. 25.
 Block press. C. I. Young. 2,489,843, Nov. 29.
 Block puzzle, Mortised. J. D. Boyle. 2,469,364, May 10.
 Block stripping and height control means. F. A. Hearn, Jr. 2,464,641, Mar. 15.
 Blocker. J. S. Voigt. 2,488,044, Nov. 15.
 Blocker, Garment. C. B. Albert. 2,484,805, Oct. 18.
 Blocker, Garment. J. D. Coney and C. B. Albert. 2,484,808, Oct. 18.
 Blocker, Garment. K. R. Larson and J. G. Bilz. 2,484,806-7, Oct. 18.
 Blocker, Sweater. M. Davis. 2,458,689, Jan. 11.
 Blocking and drying device, Garment. M. Brandys. 2,487,017, Nov. 1.
 Blocking-layer cell. W. C. van Geel and J. J. A. P. van Amstel. 2,465,768, Mar. 29.
 Blocking system for multichannel operation. D. D. Grieg. 2,468,058, Apr. 26.
 Blocks, Connection, for use with carrier-current line traps. M. J. Brown. 2,467,727, Apr. 19.
 Blocks, Educational game. L. E. Welch. 2,491,883, Dec. 20.
 Blood collecting apparatus. J. J. Kleiner. 2,460,641, Feb. 1.
 Blood filter. R. K. Lager. 2,473,153, June 14.
 Blood product containing oxidized heme and preparing same. H. L. Kell and R. H. Borkenhagen. 2,466,710, Apr. 12.
 Blood suture and method, Synthetic. J. O. Bower. 2,457,804, Jan. 4.
 Blood treating apparatus, Pneumatic. J. R. Guarino. 2,474,665, June 28.
 Blouse with variable neckline effect. F. Alberich. 2,462,706, Feb. 22.
 Blowdown valve. R. W. Groom. 2,466,946, Apr. 12.
 Blowgun. E. A. Grewe. 2,469,642, May 10.
 Blowpipe. W. J. Jacobsson. 2,459,881, Jan. 25.
 Blowpipe. H. W. Jones. 2,483,467, Oct. 4.
 Blowpipe. F. Rosenberg. 2,481,950, Sept. 13.
 Blowpipe apparatus, Wide continuous slotted nozzle metal scarfing. H. T. Smith, A. P. Scheller, E. Meincke, and J. Kolody. 2,483,479, Oct. 4.
 Blowpipe for heating tools. B. C. Luzader, Sr. 2,473,435, June 14.
 Blowpipe head, Laminated. E. B. Scherl. 2,484,123, Oct. 11.
 Blowpipe machine, Circle cutting. W. R. Helwig. 2,469,112, May 3.
 Blowpipe, Post-mixed, and thermochemically cutting metal. H. W. Jones. 2,484,891, Oct. 18.
 Blowtorch. L. R. Crouch. 2,482,843, Sept. 27.
 Blowtorch. R. L. Livingston. 2,476,246, July 12.
 Blowtorch attachment for ladle tables. M. I. Szulerecki. 2,485,120, Oct. 18.
 Blowtorch, Natural gas. J. A. Wrigley. 2,483,081, Sept. 27.
 Blower, Air circulating. A. R. Constantine. 2,481,980, Sept. 13.
 Blower and suction device, Combined. G. W. Breuer. 2,464,552, Mar. 15.
 Blower, Axial. E. A. Stalker. Re. 23,108, May 3.
 Blower, Bidirectional. L. A. Kllgore. 2,458,006, Jan. 4.
 Blower control. C. A. Cobb. 2,467,425, Apr. 19.
 Blower, Core. J. S. Judell. 2,468,672, Apr. 26.
 Blower, Crop. W. Freiden. 2,464,973, Mar. 22.
 Blower for handsaws, Sawdust. J. P. Bem. 2,463,014, Mar. 1.
 Blower for hay choppers. E. F. Huddle. 2,465,156, Mar. 22.

Blower for ventilators. C. W. Olson. 2,472,024, May 31.
 Blower, Gas turbine-driven. A. Büchl. 2,486,731, Nov. 1.
 Blower, Grain. H. C. Wallace. 2,482,723, Sept. 20.
 Blower head construction, Automatically projectable and retractable soot. W. P. Thomas. 2,491,838, Dec. 20.
 Blower, Heat-exchanging. W. G. Patterson. 2,481,236, Sept. 6.
 Blower installation. J. H. Wessel. 2,464,473, Mar. 15.
 Blower lubrication, Air. R. Happe and E. P. Turner. 2,476,041, July 12.
 Blower, Powder. J. B. Schmitt. 2,478,715, Aug. 9.
 Blower, Square sided. G. L. Schwarz. 2,482,519, Sept. 20.
 Blower unit and assembly. E. N. Angus. 2,458,045, Jan. 4.
 Blower wheel. E. B. Godman. 2,482,847, Sept. 27.
 Blower with abrading casing and walls and abratable rotor end plates, Rotary. R. P. McCulloch, and J. L. Ryde. 2,491,678, Dec. 20.
 Blower with abrading rotor ends and abratable casing sealing ridges, Rotary. R. P. McCulloch and J. L. Ryde. 2,492,935, Dec. 27.
 Blowing in blast furnaces. W. W. Durfee and J. P. Foley. 2,468,738, May 3.
 Blowing machine, Core. A. N. Taccone. 2,490,559, Dec. 6.
 Board: See—
 Bed board. Game board.
 Bobbin board. Ironing board.
 Camera copy board. Manually manipulable ball game board.
 Chance controlled game board. Miniature-golf game board.
 Collapsible ironing board. Necktie ironing board.
 Concealed ironing board. Panel board.
 Cribbage board. Pattern board.
 Distribution board. Payroll board.
 Diving board. Peg game board.
 Drafting board. Portable writing board.
 Foldable ironing board. Rotatable game board.
 Folding beauty-health board. Slide-type bingo board.
 Board and an aligning scale therefor, Game. H. W. Guttridge. 2,463,868, Mar. 8.
 Board and cabinet, Ironing. C. and A. J. Mohr. 2,475,106, July 5.
 Board for playing an atom game. E. D. Flickinger and J. Foster. 2,492,563, Dec. 27.
 Board for stringed musical instruments, Finger. A. B. Frost. 2,489,408, Nov. 29.
 Board for the blind, Bingo. J. P. Mohler. 2,464,146, Mar. 8.
 Board leveling mechanism. P. Cusano. 2,479,477, Aug. 16.
 Boat. A. A. Apel. 2,481,063, Sept. 6.
 Boat. P. C. Christiansen. 2,464,116, Mar. 8.
 Boat. W. H. Evans. 2,466,164, Apr. 5.
 Boat. G. A. Wood. 2,464,957, Mar. 22.
 Boat and filter, Combined. S. Voinovich. 2,469,802, May 10.
 Boat builder's clamp. M. Hellings. 2,464,642, Mar. 15.
 Boat construction. F. J. de Boisblanc. 2,483,531, Oct. 4.
 Boat cover. F. D. Burns. 2,474,031, June 21.
 Boat derrick. H. E. Platt. 2,465,118, Mar. 22.
 Boat, Foldable. D. G. Jackson. 2,485,446, Oct. 18.
 Boat oar mechanism. L. A. Cummins. 2,464,027, Mar. 8.
 Boat, Self-propelled. A. Montalbano. 2,486,313, Oct. 25.
 Boat structure. R. C. Sabins. 2,481,785, Sept. 13.
 Boat, Swimmer's. G. W. Rydner. 2,470,725, May 17.
 Bobbled. R. Warrender. 2,470,448, May 17.
 Bobber for fishlines. L. H. Herman. 2,484,946, Oct. 18.
 Bobber, Illuminated. W. L. Burke. 2,490,669, Dec. 6.
 Bobbin. C. W. Geier and A. L. Joslin. 2,463,166, Mar. 1.
 Bobbin and making same. R. G. Turner. 2,482,446, Sept. 20.
 Bobbin and making, Thread. E. B. Nelson. 2,475,399, July 5.
 Bobbin and method of and device for forming the same, Thread. J. H. Anderson. 2,488,890, Nov. 22.
 Bobbin board. R. E. Shipman. 2,475,724, July 12.
 Bobbin building motion. H. Roessel. 2,481,619, Sept. 13.
 Bobbin check for weft replenishing looms. R. G. Turner. 2,469,089, May 3.
 Bobbin clutch. R. C. Hare. 2,487,544, Nov. 8.
 Bobbin clutch. G. Magrath. 2,471,574, May 31.
 Bobbin clutch. G. West. 2,472,240, June 7.
 Bobbin, Fly tier's. H. R. Zarrs. 2,464,542, Mar. 15.
 Bobbin, Fly-tying. I. W. Arnold. 2,479,710, Aug. 23.
 Bobbin holder. E. R. Blount. 2,469,590, May 10.
 Bobbin holder. B. and E. Carter. 2,464,024, Mar. 8.
 Bobbin holder for spinning and twisting frames. E. J. Abbott. 2,474,210, June 28.
 Bobbin holding means. B. A. Peterson. 2,466,861, Apr. 12.
 Bobbin releaser for weft replenishing looms, Fabricated. W. A. Blanchard. 2,484,399, Oct. 11.
 Bobbin replenishing mechanism for looms. B. A. Peterson. 2,463,904, Mar. 8.
 Bobbin retainer for weft replenishing mechanisms. A. C. Krukonia. 2,474,632, June 28.
 Bobbin sorting apparatus. L. M. Cotchett. 2,459,309, Jan. 18.
 Bobbin-spindle assembly. E. K. Bauer. 2,463,591, Mar. 8.
 Bobbin tensioning mechanism. R. Carter. 2,459,617, Jan. 18.

- Bobbin tip support means for weft replenishing looms. R. G. Turner. 2,474,641, June 28.
- Bobbin whirl gear. W. F. Lee and J. B. Allen. 2,491,322, Dec. 13.
- Bobbin, Yarn. L. A. Carlson. 2,469,103, May 3.
- Bobby pin. C. J. Daras. 2,490,856, Dec. 13.
- Bobby pin. S. Tick. 2,489,598, Nov. 29.
- Bobby pin dispenser. P. A. Avelli. 2,477,034, July 26.
- Bodies consisting of a core of chrome-iron or a similar chromium alloy and of a thin layer adapted to form a metal to glass seal, Manufacturing. E. G. Dorgelo and H. J. Lemmens. 2,480,453, Aug. 30.
- Body balancing apparatus. R. N. Newell. 2,478,004, Aug. 2.
- Body blanks for rip strip can bodies, Forming. J. F. Egenolf and B. D. Blosser. 2,480,721, Aug. 30.
- Body construction and door seal. G. H. Lindemann. 2,484,176, Oct. 11.
- Body cowl construction. C. F. Kramer and H. F. Cromwell. 2,488,471, Nov. 15.
- Body for wheeled vehicles. G. T. Powell, Jr. 2,489,670, Nov. 29.
- Body member, Artificial. P. M. Gettman and W. T. Fulton. 2,490,796, Dec. 13.
- Bodying of oil by heat. E. W. Moffett. 2,471,577, May 31.
- Bogie arrangement for rail vehicles. W. Giger. 2,489,634, Nov. 29.
- Boiler: See—
- Automatic egg boiler. Sectional boiler.
 - Electric boiler. Steam and hot water boiler.
 - Electric steam boiler. boiler.
 - Hot-water boiler. Steam or hot water boiler.
 - House heating boiler.
- Boiler. G. W. Folk. 2,489,770, Nov. 29.
- Boiler. J. D. Pierce and C. E. Townner. 2,485,536, Oct. 18.
- Boiler assembly, Sectional. A. J. Gallaher. 2,461,597, Feb. 15.
- Boiler construction. F. Berwanger. 2,480,440, Aug. 30.
- Boiler construction. H. W. Lyke. 2,464,701, Mar. 15.
- Boiler feed-water temperature regulator. W. Welch, Jr. 2,489,345, Nov. 29.
- Boiler flue cleaner. F. L. Lade and C. J. Simmons. 2,465,236, Mar. 22.
- Boiler high and low water control and alarm system. W. O. Martin. 2,487,933, Nov. 15.
- Boiler or the like having extended heat transfer surfaces. Steam. D. Dalin and G. V. Hagby. 2,469,635, May 10.
- Boiler structure. J. W. Turner. 2,466,188, Apr. 5.
- Boiler tube test plug. G. Leroy. 2,475,748, July 12.
- Bolster construction and ventilation system. E. Elliott. 2,463,255, Mar. 1.
- Bolster for four-wheel commercial and farm trailers. O. A. Klockau. 2,473,340, June 14.
- Bolster for vehicles, Disappearing. V. L. Colorigh. 2,471,096, May 24.
- Bolster mounted brake. W. H. Baselt. 2,488,845, Nov. 22.
- Bolster suspension, Railroad car truck. G. T. R. Hunter. 2,461,382, Feb. 8.
- Bolt and latch bolt lock, Combined dead. I. Jozefowicz. 2,484,571, Oct. 11.
- Bolt casing. C. F. Friend. 2,485,042, Oct. 18.
- Bolt device, Blind. K. E. Zeldler. 2,469,349, May 3.
- Bolt, Gun. S. Schiff. 2,457,835, Jan. 4.
- Bolt head and extractor for firearms. J. D. Howell. 2,473,373, June 14.
- Bolt, Lock. R. Kemmet. 2,461,284, Feb. 8.
- Bolt mechanism for guns. A. Corte. 2,466,577, Apr. 5.
- Bolt operating mechanism for repeating shotguns. F. T. Green. 2,480,017, Aug. 23.
- Bolt, Spring. J. H. Oswald and T. E. Weil. 2,477,524, July 26.
- Bolt with gauge members, Breech. A. Kurti. 2,474,743, June 28.
- Bolts in machine guns, Acceleration of breech. C. E. Balleisen. 2,459,141, Jan. 18.
- Bomb. G. L. Harrell. 2,457,817, Jan. 4.
- Bomb. L. W. Thornton. 2,468,140, Apr. 26.
- Bomb, Aerial. M. E. Barker. 2,489,610, Nov. 29.
- Bomb, Aerial. R. L. Kinion. 2,474,256, June 28.
- Bomb, Antimine. F. Short. 2,476,117, July 12.
- Bomb band assembly. W. C. Hasselhorn. 2,462,744, Feb. 22.
- Bomb, Dirigible. R. D. Wyckoff, J. P. Molnar, L. D. Palmer, and G. C. Blewett. 2,466,528, Apr. 5.
- Bomb fin structure. R. A. Bell. 2,459,357, Jan. 18.
- Bomb, Fragmentation. N. L. Etten. 2,458,576, Jan. 11.
- Bomb, Incendiary. P. N. Gillon. 2,476,973, July 26.
- Bomb release rack. C. Thumin. 2,491,400, Dec. 13.
- Bomb release system, Radio. D. Blitz. 2,466,531, Apr. 5.
- Bomb release system, Radio. R. C. Sanders, Jr. and D. Blitz. 2,458,429, Jan. 4.
- Bomb, Safety pressure detonator. R. E. Mitton. 2,471,163, May 24.
- Bomb sight. K. Clark. 2,459,919, Jan. 25.
- Bombsight with trail angle sighting reflector means. H. A. van Dyke. 2,484,537, Oct. 11.
- Bombing from fast moving planes. B. Walker. 2,470,120, May 17.
- Bonded composition. H. H. Greger. 2,465,645, Mar. 29.
- Bonded structures, Making. M. J. Buerger and E. Washken. 2,460,334, Feb. 1.
- Bonding a tungsten member to a backing member. E. I. Larsen and E. F. Swazy. 2,464,591, Mar. 15.
- Bonding aluminum to steel. R. S. Reynolds. 2,484,118, Oct. 11.
- Bonding apparatus for bonding wide layers of dielectric materials, High-frequency electrical. G. H. Brown. 2,459,260, Jan. 18.
- Bonding components of a hose wall, Adhesively. K. Pape. 2,478,939, Aug. 16.
- Bonding compositions, Mineral aggregate. A. B. Hersberger and F. J. Gzlow. 2,482,586, Sept. 20.
- Bonding device, Brake shoe lining. J. D. O'Brien. 2,489,496, Nov. 29.
- Bonding machine. J. P. Graham and W. R. Church. 2,472,820, June 14.
- Bonding machine. B. M. Sweetser. 2,482,133, Sept. 20.
- Bonding machine, Electrostatic. J. P. Graham and R. D. Lowry. 2,473,143, June 14.
- Bonding machine using stray fields, Progressive electronic. M. F. Ashley. 2,492,347, Dec. 27.
- Bonding of rubber to fibrous materials. F. S. Perkerson. 2,482,931, Sept. 27.
- Bonding rubber to cellulosic fibers. E. A. Bried. 2,485,136, Oct. 18.
- Bonding rubberlike materials to metal. M. Clifton. 2,483,754, Oct. 4.
- Bonding teeth to dental plates. W. Giese. 2,469,822, May 10.
- Bone bank and preserving bones for transplantation. E. J. Tucker, Jr. 2,485,791, Oct. 25.
- Bone conduction unit. H. S. Knowles. 2,459,325, Jan. 18.
- Bone gouge, Surgical hand-pressure. C. Cooke. 2,487,221, Nov. 8.
- Bone pin. H. H. Livingston. 2,490,364, Dec. 6.
- Boning machine, Fish. G. A. Berghammer, Jr. 2,491,078, Dec. 13.
- Book back support. C. Z. Sutton. 2,479,647, Aug. 23.
- Bookbinding process. C. C. Johnson. 2,483,465, Oct. 4.
- Book, Child's. J. A. Links. 2,484,896, Oct. 18.
- Book, Match. G. Russo. 2,470,528, May 17.
- Book match holder. C. Ostinelli. 2,486,973, Nov. 1.
- Bookrest, Collapsible. R. S. Hummel. 2,490,356, Dec. 6.
- Bookrests and the like. E. Murphy. 2,469,511, May 10.
- Boom. A. Crot. 2,481,471, Sept. 6.
- Boom light. E. A. Price. 2,459,722, Jan. 18.
- Boost device, Hydraulic. R. W. Thomas. 2,472,236, June 7.
- Booster, Control lever. H. G. Carbuhn. 2,458,342, Jan. 4.
- Booster device for exhaust manifolds, Surge. C. R. Flint. 2,482,754, Sept. 27.
- Booster, Fluid pressure. R. E. Mitton. 2,475,105, July 5.
- Booster for hydraulic pressure systems. E. R. Price. 2,468,706, Apr. 26.
- Booster, Hydraulic. W. R. Tucker. 2,486,079, Oct. 25.
- Booster pump. H. W. Yocum. 2,468,008, Apr. 19.
- Booster system for brakes, Hydraulic. R. R. Gunderson. 2,476,089, July 12.
- Booster unit for hydraulic pressure systems. T. H. Thomas and E. R. Price. 2,470,748, May 17.
- Boot attachment, Elevator. I. H. Lehman. 2,488,671, Nov. 22.
- Boot attachment, Nonslip. C. Beutel. 2,464,431, Mar. 15.
- Boot drier. S. C. Elliott. 2,465,362, Mar. 29.
- Boot for air-heating furnaces, Cold air inlet. M. D. Jones. 2,477,254, July 26.
- Boot for horses, Bell. E. S. Schwartz and L. V. Dawson. 2,483,065, Sept. 27.
- Boot for horses, Quarter. A. E. Warren. 2,474,446, June 28.
- Boot form. G. L. Van Dinter and W. E. Austin. 2,462,239, Feb. 22.
- Boot, Legging. A. M. Malluk. 2,458,952, Jan. 11.
- Boot, Quarter. J. G. Thompson. 2,470,195, May 17.
- Boot, Trapper's hip-length. J. M. Hatch. 2,473,099, June 14.
- Boot, Ventilated. A. O. Lindstrom. 2,480,035, Aug. 23.
- Boot with reinforced toe structure. K. L. Keene. 2,486,953, Nov. 1.
- Boots from knitted tubular stock, Making. R. E. Sherman and L. P. Hanson. 2,467,237, Apr. 12.
- Booth, Egg candling. P. J. Blackwell. 2,470,462, May 17.
- Booth, Safety. J. W. Beretta. 2,460,917, Feb. 8.
- Booth, Spray. C. A. Braun. 2,486,251, Oct. 25.
- Bore gauge. E. H. Aldeborgh and A. H. Emery. 2,470,755, May 24.
- Bore gauge. E. H. Aldeborgh and A. H. Emery. 2,472,139, June 7.
- Borehole explosive charge. E. J. Shimek. 2,491,692, Dec. 20.
- Borehole pressure gauge. L. F. Elkins. 2,459,268, Jan. 18.
- Bore sight for insertion in the breech chamber of guns to provide overlapping images of muzzle portions of the gun bores. L. H. Brown. 2,472,091, June 7.
- Bore sight, Reflecting. H. O. Johnson. 2,475,618, July 12.
- Boresighting. J. Crossman. 2,479,565, Aug. 23.
- Bore surfaces of guns, Protection of. H. B. Allen and N. H. Smith. 2,465,962, Mar. 29.
- Boring and beveling machine, Piston ring. H. M. Olson. 2,471,006, May 24.
- Boring and reciprocable-saw machine, Single driven-shaft combined. O. Langfelder. Re. 23,139; Aug. 2.

- Boring and reciprocable-saw machine, Single driven-shaft combined. O. Langfelder. 2,477,755, Aug. 2.
- Boring head. H. C. Gillette. 2,460,689, Feb. 1.
- Boring head. F. C. Wallace. 2,458,753, Jan. 11.
- Boring head for machine tools. C. W. G. Lacey and G. L. Binus. 2,460,092, Jan. 25.
- Boring head with facing feed. H. E. Myers. 2,489,719, Nov. 29.
- Boring machine. G. H. Leland. 2,477,934, Aug. 2.
- Boring machine with chip remover. I. Cordell. 2,486,555, Nov. 1.
- Boring tool. J. F. and N. Jaworowski. 2,483,096, Sept. 27.
- Boring tool holder. G. Reisinger. 2,483,152, Sept. 27.
- Boron articles, Production of. T. D. McKinley. 2,463,404, Mar. 1.
- Boron carbide articles, Method and mold for making. J. W. Knowlton. 2,473,476, June 14.
- Boron compounds, Preparation of. D. T. Hurd. 2,469,879, May 10.
- Bottle and cap, Combination. G. A. Alexiadis. 2,488,463, Nov. 15.
- Bottle and closure cap, Combination. A. D. McKelvy. 2,476,155, July 12.
- Bottle assembly, Insulated. R. L. Stallings. 2,488,611, Nov. 22.
- Bottle attachment. J. Riften. 2,468,780, May 3.
- Bottle, Baby's nursing. G. Allen and R. Dahl. 2,469,489, May 10.
- Bottle cap. R. Krasberg. 2,483,055, Sept. 27.
- Bottle cap with measuring member. M. Schaffer. 2,487,274, Nov. 8.
- Bottle carrier. R. L. Adkins. 2,467,106, Apr. 12.
- Bottle carrier. E. L. Arneson. 2,491,149, Dec. 13.
- Bottle carrier. W. A. Behrens. 2,458,133, Jan. 4.
- Bottle carrier. R. G. Benson. 2,464,069, Mar. 8.
- Bottle carrier. B. Comer. 2,459,921, Jan. 25.
- Bottle carrier. H. S. Deichert. 2,487,109, Nov. 8.
- Bottle carrier. J. de Swart. 2,472,005, May 31.
- Bottle carrier. G. L. Dreher. 2,461,317, Feb. 8.
- Bottle carrier. H. L. Hinman. 2,473,429, June 14.
- Bottle carrier. E. H. Lupton. 2,458,281, Jan. 4.
- Bottle carrier. R. Smola. 2,463,916, Mar. 8.
- Bottle carrier. H. E. Stevens. 2,463,651, Mar. 8.
- Bottle carrier. G. F. Stone. 2,487,491, Nov. 8.
- Bottle carrier. H. G. Suiter. 2,475,924, July 12.
- Bottle carrier. S. W. Turner. 2,472,237, June 7.
- Bottle-carrying device. C. D. Powell. 2,467,696, Apr. 19.
- Bottle closure. L. M. Mallick. 2,465,894, Mar. 29.
- Bottle closure means. L. R. Young. 2,478,352, Aug. 9.
- Bottle closure, Nonrefillable. A. Whittam. 2,472,182, June 7.
- Bottle crushing device. W. Carmel. 2,466,151, Apr. 5.
- Bottle feed device for labeling machines. T. D. Reimers. 2,464,530, Mar. 15.
- Bottle holder. E. W. Barlock. 2,471,512, May 31.
- Bottleholder. C. W. Kincaid. 2,466,899, Apr. 12.
- Bottle holder. S. N. Lebold. 2,460,229, Jan. 25.
- Bottle holder. D. M. Suich. 2,475,923, July 12.
- Bottle, Hot-water. B. Strezoff. 2,467,447, Apr. 19.
- Bottle, Nonrefillable. W. Keenan. 2,472,950, June 14.
- Bottle, Nonrefillable. W. F. Owen. 2,459,450, Jan. 18.
- Bottle rack. M. H. Fitzgerald. 2,470,154, May 17.
- Bottle-sterilizing arrangement. O. H. Brewster. 2,471,303, May 24.
- Bottle stop mechanism for use with conveyers. H. G. Vore and H. W. Martin. 2,475,865, July 12.
- Bottle support. J. E. Du Bois. 2,474,416, June 28.
- Bottle support. O. L. Sinclair. 2,459,246, Jan. 18.
- Bottle supporting rack. K. J. Watson. 2,463,664, Mar. 8.
- Bottle with jacket, Vacuum nursing. C. T. Jamison and V. P. Brewer. 2,480,247, Aug. 30.
- Bottling apparatus. M. O'Hare. 2,460,711, Feb. 1.
- Bottom for metallurgical furnaces. T. M. Fairchild. 2,472,655, June 7.
- Bottoming machine, Glass tube. G. Coby. 2,469,681, May 10.
- Box construction, Violin. W. B. Straton. 2,492,017, Dec. 20.
- Box, Decorative. F. C. Southgate. 2,471,590, May 31.
- Box for a stringed musical instrument. J. A. Graydon. 2,466,168, Apr. 5.
- Box for musical instruments. A. Nathan. 2,479,505, Aug. 16.
- Box for violins and other stringed instruments. P. G. Attwood. 2,466,834, Apr. 12.
- Box, Plastic violin. P. E. Hohl. 2,487,442, Nov. 8.
- Box quiver. F. B. Bear. 2,464,068, Mar. 8.
- Bowl assembly, Float. J. Williams. 2,492,123, Dec. 20.
- Bowl, Centrifugal. G. F. Wheelwright, Jr. 2,478,992, Aug. 16.
- Bowl, Child's rocking. L. E. Kling. 2,471,528, May 31.
- Bowl, Stock watering. H. E. Bremer. 2,469,946, May 10.
- Bowl, Water filter. J. J. Nizolek. 2,458,625, Jan. 11.
- Bowl with reciprocating valve for separating sludge-containing liquids, Centrifugal. T. V. Hanno. 2,467,742, Apr. 19.
- Bowls with handles, Nesting. S. E. Mower. 2,479,765, Aug. 23.
- Bowling alleys, Straightening. C. O. Hughes. 2,483,976, Oct. 4.
- Bowling apparatus, Miniature. S. L. Long. 2,469,286, Mar. 3.
- Bowling ball attachment. C. M. MacChesney. 2,474,950, July 5.
- Bowling ball cleaner. E. O. Bune. 2,469,948, May 10.
- Bowling ball return runway. E. W. Discher. 2,482,250, Sept. 20.
- Bowling pins, Salvaging. P. M. Waite. 2,483,568, Oct. 4.
- Box: See—
- Ammunition box.
 - Awning box.
 - Axle box.
 - Bait box.
 - Burial box.
 - Chick sorting and shipping box.
 - Coin box.
 - Collapsible box.
 - Collapsible cosmetic and all purpose utility box.
 - Combined photograph album and music box.
 - Display box.
 - Electrical junction assembly box.
 - Electrified miniature music box.
 - Examination box.
 - Field box.
 - Flower holder and box.
 - Foldable compartment box.
 - Folding berry box.
 - Folding box.
 - Folding paper box.
 - Fuse box.
 - Horseshoe ring box.
 - Jewelry box.
 - Junction box.
 - Lunch box.
 - Mixing box.
 - Multiple compartment box.
 - Music box.
 - Musical gift box.
 - Pressure sealed stuffing box.
 - Pull box.
 - Railway journal box.
 - Ring box.
 - Safety connection and distribution box.
 - Self-adjusting slip box.
 - Self-locking coin box.
 - Shadow box.
 - Shipping box.
 - Stereotype plate casting box.
 - Storage and display box.
 - Storage box.
 - Stuffing box.
 - Tablet box.
 - Tote box.
 - Trash collection box.
 - Transport box.
 - Wagon box.
 - Window box.
- Box. A. C. Anderson. 2,463,586, Mar. 8.
- Box. E. L. Arneson. 2,483,030, Sept. 27.
- Box. W. K. Bruckhauser. 2,460,870, Feb. 8.
- Box. J. W. Chalmers. 2,468,543, Apr. 26.
- Box. J. Stone. 2,490,557, Dec. 6.
- Box. L. E. Vogt. 2,477,530, July 26.
- Box and block, Clapper. J. M. Walter. 2,489,942, Nov. 29.
- Box and clamp, Diamond drill stuffing. E. Larson. 2,492,801, Dec. 27.
- Box and concentrator, Continuous cleanup sluice. L. S. Overpeck. 2,488,640, Nov. 22.
- Box and corner lock therefor. P. W. Miessler. 2,471,883, May 31.
- Box and footrest, Combined shoeshine. V. Bohner. 2,463,141, Mar. 1.
- Box and package handle. W. Trogman. 2,458,883, Jan. 11.
- Box and pipe-joint assembly, Flexible stuffing. H. J. Basham. 2,490,333, Dec. 6.
- Box consisting of accordion folded pages in a box, Book. I. Politzer. 2,458,729, Jan. 11.
- Box construction, Journal. J. D. Bigelow. 2,488,162, Nov. 15.
- Box construction, Stuffing. A. J. Seaton. 2,480,055, Aug. 23.
- Box cover with fixture support. N. A. Tornblom. 2,467,639, Apr. 19.
- Box for electric lines, Junction. A. Rothfuchs. 2,474,328, June 28.
- Box for four-wheel drive vehicles, Transfer. K. K. Probst. 2,475,803, July 12.
- Box for lawn mowers, Grass. C. F. Booton. 2,488,117, Nov. 15.
- Box for water tube boilers, Wall. G. P. Reintjes. 2,474,548, June 28.
- Box handle and partition, Combined. L. James. 2,489,034, Nov. 22.
- Box having integral handles, Tote. C. W. Praeger, H. Blum, and H. Jochimsen. Re. 23,178, Nov. 29.
- Box having removable table-closure and pivoted table-top-extension leaves, Campers'. W. R. Williams. 2,460,958, Feb. 8.
- Box having trays mounted on swingable linkage, Metal. M. L. Roark. 2,488,067, Nov. 15.
- Box hinge attaching means and method. F. C. H. Müller and T. J. Pilliod. 2,481,862, Sept. 13.
- Box kite, Airplane. C. J. McCoy. 2,475,976, July 12.
- Box lid, Journal. D. D. Bryant. 2,481,076, Sept. 6.
- Boxmaking machine. H. D. Benson. 2,488,757, Nov. 22.
- Boxmaking machine. A. L. Rosenmund. 2,482,370, Sept. 20.
- Box or carton, Duplex. E. Morand. 2,472,674, June 7.
- Box or crate, Collapsible. J. B. Banks and N. St. Peter. 2,467,518, Apr. 19.
- Box or crate, Knockdown. L. R. Rapp. 2,460,104, Jan. 25.
- Box or the like, Floor. A. Fishko. 2,481,098, Sept. 6.
- Box or tray, Stacking. F. J. Ullrich. 2,489,470, Nov. 29.
- Box parallel. L. A. Lowenstein. 2,491,672, Dec. 20.
- Box setup machine, Folding. D. Levkoff. 2,464,407, Mar. 15.
- Box spacing means. E. Prati. 2,468,231, Apr. 26.
- Box-stapling machine. A. L. Rosenmund. 2,482,371, Sept. 20.
- Box staying machine. M. J. Stumpf. 2,480,888, Sept. 6.
- Box structure for fishing and tip-up signaling devices, Knockdown. E. E. Sheraski. 2,483,787, Oct. 4.
- Box tool. K. Fellroth. 2,473,418, June 14.
- Box with pivoted closure, Display. L. D. Young. 2,467,545, Apr. 19.

- Boxes, Method of and machine for making unitary setup covered. H. J. Goss. 2,469,641, May 10.
- Brace, Corrective and protective knee. A. C. Peckham. 2,467,907, Apr. 19.
- Brace for articulated beds, Extensible. R. R. Freund. 2,490,956, Dec. 13.
- Brace for doors and the like. J. H. Boye. 2,472,936, June 14.
- Brace, Heel. F. L. Brandt, Jr. 2,476,806, July 19.
- Brace installation, Sway. P. M. Birk and F. I. Steele. 2,461,406, Feb. 8.
- Brace, Portable drill. J. E. Gay. 2,471,208, May 24.
- Brace, Rail. G. S. Vickroy. 2,475,116, July 5.
- Brace, Railway car wall. C. Hankins. 2,464,080, Mar. 8.
- Brace, Surgical. E. C. Follis. 2,477,591, Aug. 2.
- Braces, Making orthopedic. R. Anderson. 2,489,252, Nov. 29.
- Bracing device, Freight. W. F. Eisensmith. 2,462,619, Feb. 22.
- Bracing system for boxed produce loads. H. C. Pierce. 2,475,719, July 12.
- Bracelet. S. R. Harris and G. Ashman. 2,482,584, Sept. 20.
- Bracelet bending machine with work clamping device and arbor. A. N. Johnson. 2,465,101, Mar. 22.
- Bracelet, Expandible. A. Pretre. 2,472,314, June 7.
- Bracket: *See*—
- Adjustable lamp bracket. Line tightening basement
 - Adjustable seat bracket. clothesline bracket.
 - Adjustable shelf bracket. Mounting bracket.
 - Anchor bracket. Pipe bracket.
 - Awning bracket. Pivotal bracket.
 - Bearing bracket. Rain water conductor
 - Combination bracket. bracket.
 - Combination curtain rod Scaffolding bracket.
 - and shade roller bracket. Shade and curtain bracket.
 - Combined adjustable cur- Shelf bracket.
 - tain and blind bracket. Tool-holding bracket.
 - Condenser bracket. Tractor hitch bracket.
 - Curtain bracket. Trolley conveyor bracket.
 - Curtain rod bracket. Truss rod bracket.
 - Festoon bracket. Venetian blind bracket.
 - Fishing line bracket. Window shade bracket.
 - Four-wheel trolley bracket. Windshield visor mount-
 - Ladder bracket. ing bracket.
- Bracket, E. T. J. Dahlstrom and M. Caplan. 2,459,503, Jan. 18.
- Bracket, W. C. Eaves. 2,484,021, Oct. 11.
- Bracket, A. E. Nelson. 2,471,342, May 24.
- Bracket and support therefor. S. S. Gentile. 2,477,735, Aug. 2.
- Bracket and tree, Shoe polishing. I. R. Crow. 2,459,310, Jan. 18.
- Bracket assembly for cup dispensers, Mounting. C. D. Sims. 2,470,528, May 17.
- Bracket attachment for motor vehicle windows. P. H. Behrens. 2,474,513, June 28.
- Bracket device, Hanger. W. J. Miller. 2,468,992, May 3.
- Bracket for automobiles, Fish pole. J. W. Hopkins. 2,461,897, Feb. 15.
- Bracket for bridge lamp arms or the like, Articulated. J. Brasty. 2,488,898, Nov. 22.
- Bracket for burglar alarms. J. L. Gempp. 2,492,474, Dec. 27.
- Bracket for drapery fixtures. E. W. Riley. 2,458,643, Jan. 11.
- Bracket for ladders, Scaffold supporting. S. Bucher and J. J. Johnson. 2,467,424, Apr. 19.
- Bracket for looms, Check strap. L. M. Rogers. 2,489,979, Nov. 29.
- Bracket for motorcycles, Radio supporting. G. L. Van Gastele. 2,490,563, Dec. 6.
- Bracket for mounting rollers on overhead doors. H. B. Clark. 2,471,197, May 24.
- Bracket for outlet or junction boxes, Mounting. C. C. Buckels. 2,480,805, Aug. 30.
- Bracket for round refrigerator or cabinet shelf, Roller. J. H. Meredith. 2,459,446, Jan. 18.
- Bracket for shades, curtains and draperies. S. A. Cavalier. 2,474,414, June 28.
- Bracket for typesetting machines, Pillow delivery slide stop. E. Szubza. 2,477,499, July 26.
- Bracket for Venetian blinds, Convertible headrail. W. J. Stuber and J. J. Di Ienno. 2,486,996, Nov. 1.
- Bracket for window shade rollers, Safety. B. Green. 2,487,648, Nov. 8.
- Bracket support for edging strips. H. B. Ayers. 2,491,638, Dec. 20.
- Brad, C. B. Goodstein. 2,468,821, May 3.
- Braiding machine. P. L. Hobourn and W. H. Joy. 2,458,379, Jan. 4.
- Braiding machine. H. Loader. 2,469,047, May 3.
- Braiding machine. V. G. Sokol. 2,464,899, Mar. 22.
- Braiding, Method of and apparatus for. B. W. Lerch. 2,462,515, Feb. 22.
- Brake: *See*—
- Air brake. Cycle brake.
 - Aircraft wheel brake. Disk brake.
 - Automatically adjustable Electric motor brake.
 - disk brake. Electrohydraulic brake.
 - Bicycle brake. Electromagnetic brake.
 - Bicycle coaster brake. Fluid brake.
 - Bolster mounted brake. Fluid operated brake.
- Brake: *See*—Continued.
- Friction brake.
 - Hand brake.
 - Hydraulic brake.
 - Hydrokinetic brake.
 - Intermittent brake.
 - Internal shoe drum brake.
 - Internally expanding brake.
 - Load-actuated friction brake.
 - Magnetic brake.
 - Motor brake.
 - Moving stairway brake.
 - One-way expandable band brake.
 - One-way ratchet brake.
 - Brake. L. S. Burgett. 2,473,360, June 14.
 - Brake actuator. W. E. White. 2,463,008, Mar. 1.
 - Brake adjusting mechanism, Dual. A. Dieckmann. 2,471,865, May 31.
 - Brake and grease guns, Pawl-type rod. J. A. Funderburg. 2,491,259, Dec. 13.
 - Brake and reversing transmission clutch control and operating mechanism, Combined. I. J. Kuert and B. M. Craig. 2,477,065, July 26.
 - Brake and spinner lever, Rotor. C. McDermott. 2,460,839, Feb. 8.
 - Brake and tension for warp beamers. C. W. Burrum. 2,460,569, Feb. 1.
 - Brake apparatus. O. Bryant. 2,485,032, Oct. 18.
 - Brake apparatus, Fluid pressure. A. T. Gorman. 2,464,977, Mar. 22.
 - Brake apparatus, Load compensating fluid pressure. E. S. Cook, G. T. McClure, and J. W. Rush. 2,482,246, Sept. 20.
 - Brake arrangement. J. Ledwinka. 2,481,127, Sept. 6.
 - Brake assembly. R. R. Crookston. 2,489,449, Nov. 29.
 - Brake assembly, Dual wheel. C. P. Tolman. 2,465,135, Mar. 22.
 - Brake assister. G. E. Porter. 2,488,433, Nov. 15.
 - Brake beam. W. H. Baselt. 2,473,002, June 14.
 - Brake beam. C. R. Busch. 2,490,205, Dec. 6.
 - Brake beam. C. R. Busch. 2,491,086, Dec. 13.
 - Brake beam. W. F. Hess. 2,481,064, Sept. 6.
 - Brake beam. F. Schaefer. 2,469,083, May 3.
 - Brake beam. F. Schaefer. 2,486,066, Oct. 25.
 - Brake beam and brake head, Combined. C. R. Busch. 2,490,204, Dec. 6.
 - Brake beam and head, Unitary. C. W. Osner. 2,480,953, Sept. 6.
 - Brake beam casting, Truss type. W. H. Baselt. 2,481,969, Sept. 13.
 - Brake beam, Railway. G. J. Walker. 2,478,991, Aug. 16.
 - Brake beam, Railway. S. J. Walker and I. J. Spaeth. 2,473,316, June 14.
 - Brake beam safety support. L. W. Kass. 2,459,323, Jan. 18.
 - Brake beam structure, Railway. D. E. Barton. 2,460,670, Feb. 1.
 - Brake beam support. D. S. Barrows. 2,480,073, Aug. 23.
 - Brake beam support. G. F. Couch. 2,490,581, Dec. 6.
 - Brake beam, Trussed. W. H. Baselt. 2,473,001, June 14.
 - Brake beam, Wedge-lock. W. F. Hess. 2,480,857, Sept. 6.
 - Brake booster, Combined power and manually operated. W. Stelzer. 2,458,803, Jan. 11.
 - Brake control and accelerator assembly. H. J. Mertz. 2,476,058, July 12.
 - Brake control, Anticreep. F. J. Raybould. 2,489,929, Nov. 29.
 - Brake control, Dual. R. E. Yeatman. 2,467,645, Apr. 19.
 - Brake control system. C. A. Olcott. 2,491,759, Dec. 20.
 - Brake controlled throttle lock. H. du Charne. 2,477,865, Aug. 2.
 - Brake cooler. C. D. Vrooman. 2,479,795, Aug. 23.
 - Brake cooling means. J. J. Bloomfield. 2,471,858, May 31.
 - Brake coupling. E. E. Landahl. 2,464,589, Mar. 15.
 - Brake drive, Press. J. B. Castle. 2,461,034, Feb. 8.
 - Brake drum. A. S. Van Halteren. 2,485,993, Oct. 25.
 - Brake drums, Making. F. H. Le Jeune. 2,476,151, July 12.
 - Brake drums, Making. S. N. Johnson. 2,485,969, Oct. 25.
 - Brake equalizer support. C. L. Orr. 2,482,634, Sept. 20.
 - Brake equipment, Empty and load. E. S. Cook. 2,485,815, Oct. 25.
 - Brake, especially for automobile vehicles, Electric. P. E. Bessière. 2,487,416, Nov. 8.
 - Brake flap, Air resistant. C. A. Bigelow. 2,462,459, Feb. 22.
 - Brake fluid pumping apparatus, Hydraulic. J. C. McMurray. 2,474,748, June 28.
 - Brake for camera focusing knobs. W. Castedello. 2,487,308, Nov. 8.
 - Brake for crawler equipped vehicles. A. R. Askue. 2,483,170, Sept. 27.
 - Brake for filing cabinets or the like, Ground engaging. P. A. Davis. 2,475,130, July 5.
 - Brake for fishing reels. W. McGill. 2,477,073, July 26.
 - Brake for high-speed tools, Safety band. J. Sully. 2,480,343, Aug. 30.
 - Brake for plumb bob reels. J. H. Worden. 2,492,609, Dec. 27.
 - Open-end metal bending brake.
 - Parking brake.
 - Railway car brake.
 - Reel and cable brake.
 - Rotor brake.
 - Self-adjusting brake.
 - Self-energizing disk brake.
 - Sheet metal forming brake.
 - Single disk brake.
 - Spring mounted brake.
 - Suspended monorail brake.
 - Trailer stub pole surge brake.
 - Variable load brake.

- Brake for power transmission, Holding. R. M. Smith. 2,475,997, July 12.
- Brake for reels, Magnetic. J. C. Romine. 2,465,932, Mar. 29.
- Brake for torque converters, One-way. R. Lapsley and B. L. Mills. 2,461,217, Feb. 8.
- Brake for vehicles, Internally expanding. J. S. Irving. 2,469,826, May 10.
- Brake for velocipedes, Back pedaling. E. E. Hood. 2,489,964, Nov. 29.
- Brake gauge. R. W. Epler. 2,476,484, July 19.
- Brake gear support. E. G. Busse. 2,480,219, Aug. 30.
- Brake gear support. I. J. Spaeth. 2,488,342, Nov. 15.
- Brake hanger device. D. M. Light. 2,487,152, Nov. 8.
- Brake head arrangement. N. Flesch. 2,479,332, Aug. 16.
- Brake holder system. D. C. Gaensle. 2,478,884, Aug. 9.
- Brake hose end. G. H. Hufford. 2,489,890, Nov. 29.
- Brake lever operated switch. R. A. Kropp. 2,469,120, May 3.
- Brake lever structure. H. S. Jandus. 2,467,557, Apr. 19.
- Brake lock. T. Schueler. 2,472,442, June 7.
- Brake lubricator. A. W. Bennett. 2,487,415, Nov. 8.
- Brake means for textile mill spindles. C. R. Sacchini. 2,481,043, Sept. 6.
- Brake mechanism. W. A. Eaton. 2,487,117, Nov. 8.
- Brake mechanism. J. H. Ellinsky. 2,474,935, July 5.
- Brake mechanism. P. W. Gaensle. 2,464,680, Mar. 15.
- Brake mechanism. J. G. Oetzel. 2,465,394, Mar. 29.
- Brake mechanism, Booster. O. M. Whitten. 2,462,015, Feb. 15.
- Brake mechanism for rail cars. A. L. Lee. 2,484,715, Oct. 11.
- Brake mechanism for rotary files. L. R. Houghtaling. 2,484,033, Oct. 11.
- Brake mechanism for separate swinging wheel trucks. H. F. Flowers. 2,479,333, Aug. 16.
- Brake mechanism for truck cranes. R. C. Howell. 2,464,039, Mar. 8.
- Brake mechanism, Hydraulic. H. J. Corcoran. 2,463,520, Mar. 8.
- Brake mechanism, Liquid pressure. C. A. Sawtelle. 2,459,394, Jan. 18.
- Brake mechanism, Self-adjusting hydraulic. T. E. Miller. 2,474,749, June 28.
- Brake mounting and control. O. R. and R. A. Peterson. 2,471,346, May 24.
- Brake operating or similar mechanism. A. Orscheln. 2,464,096-7, Mar. 8.
- Brake or arresting means, Positive. G. Reget. 2,458,733, Jan. 11.
- Brake or rough lock, Safety. W. J. Hergner. 2,483,048, Sept. 27.
- Brake pressure regulator. G. A. Sloan. 2,469,794, May 10.
- Brake rigging. T. C. Crossman. 2,471,313, May 24.
- Brake rigging. E. G. Mueller. 2,472,169, June 7.
- Brake rigging with beam-retracting spring. F. Schaefer. 2,471,287, May 24.
- Brake rotor. W. L. Schlegel, Jr. 2,473,040, June 14.
- Brake rotor. C. E. Tack. 2,464,754, Mar. 15.
- Brake rotor, Composite. F. E. Bachman. 2,485,082, Oct. 18.
- Brake safety device, Hydraulic. E. E. Mapes and R. E. Cox. 2,484,177, Oct. 11.
- Brake setting mechanism. E. C. Day. 2,492,466, Dec. 27.
- Brake shoe clamp. R. D. Boyd. 2,476,533, July 19.
- Brake shoe construction. P. R. McEachran. 2,480,947, Sept. 6.
- Brake spring extractor. B. A. Riccio. 2,489,434, Nov. 29.
- Brake system, Aircraft. H. Trevisakis. 2,463,069, Mar. 1.
- Brake system, Counterpressure. J. J. Kupka. 2,475,790, July 12.
- Brake system for electric induction motors, Magnetic rotoric. E. J. Broussouse. 2,489,365, Nov. 29.
- Brake system, Tractor-trailer power. R. R. Gunderson. 2,463,172, Mar. 1.
- Brake system, Vacuum. H. E. Coney. 2,467,813, Apr. 19.
- Brake system, Vehicle. H. C. Mack. 2,464,327, Mar. 15.
- Brake system, Vehicle air. J. F. Priess. 2,489,540, Nov. 29.
- Brake-testing machine. R. Grant. 2,463,377, Mar. 1.
- Brake transmission, Differential leverage. C. B. Wolff, Jr. 2,484,921, Oct. 18.
- Brake valve. C. Hollerith. 2,484,888, Oct. 18.
- Brake with adjustable work stop and clamping means, Bending. V. F. Linder. 2,474,683, June 28.
- Brake with auxiliary safety device, Hydraulic. G. R. Tremolada. 2,464,469, Mar. 15.
- Brake with emergency weight operator, Fluid pressure. W. T. Bell and A. Crompton. 2,490,941, Dec. 13.
- Brake with equalizer and power booster, Hoist. A. R. Maier and C. J. Keim. 2,465,164, Mar. 22.
- Brake with locking means. J. Borland. 2,468,252, Apr. 26.
- Braking apparatus, Railway. R. M. Gilson. 2,471,320, May 24.
- Braking apparatus, Torque equalizing. J. W. F. Holl. 2,471,956, May 31.
- Braking arrangements for direct current motors, Dynamic. G. F. W. Powell. 2,461,919, Feb. 15.
- Braking control, Dynamic. R. B. Bridges. 2,468,653, Apr. 26.
- Braking device for fishing reels. G. I. Borgstrom. 2,489,447, Nov. 29.
- Braking means for electric motors. G. Malcom. 2,472,046, May 31.
- Braking means for producing a fast stop in phonograph motors, Electric. A. L. Anderson. 2,491,243, Dec. 13.
- Braking mechanism. R. L. Browning. 2,491,850, Dec. 20.
- Braking mechanism for rail vehicles. H. F. Flowers. 2,461,263, Feb. 8.
- Braking mechanism, Hydraulic. R. E. Cornwell. 2,469,632, May 10.
- Braking system. T. L. Sherman. 2,483,941, Oct. 4.
- Braking system for motorcars. J. L. Self. 2,471,244, May 24.
- Braking system for tractor-trailer combinations. J. J. Black. 2,489,117, Nov. 22.
- Braking system, Hydraulic. L. A. Majneri. 2,459,663, Jan. 18.
- Braking system, Hydraulic. L. A. Majneri. 2,467,560, Apr. 19.
- Braking system, Hydraulic. J. J. Slomer. 2,463,325, Mar. 1.
- Braking system, Hydraulic power. D. B. Gardiner. 2,478,475, Aug. 9.
- Braking system, Traction motor. S. E. Newhouse. 2,479,397, Aug. 16.
- Branch holder. R. C. Wallace. 2,462,442, Feb. 22.
- Brassière. A. Alt. 2,469,623, May 10.
- Brassière. R. Barco. 2,487,210, Nov. 8.
- Brassière. A. S. Becker. 2,491,151, Dec. 13.
- Brassière. A. S. and V. I. Becker. 2,471,670, May 31.
- Brassière. H. H. Bruderlin. 2,472,280, June 7.
- Brassière. D. A. Cerrato. 2,491,299, Dec. 13.
- Brassière. H. Coffman. 2,488,583, Nov. 22.
- Brassière. S. Cousins. 2,485,571, Oct. 25.
- Brassière. S. Cousins and R. H. Taylor. 2,485,572, Oct. 25.
- Brassière. A. H. Cummings. 2,472,940, June 14.
- Brassière. H. A. Denis. 2,466,638, Apr. 5.
- Brassière. R. Ettleson. 2,457,989, Jan. 4.
- Brassière. L. S. Florsheim, Jr. 2,482,255, Sept. 20.
- Brassière. F. Garson. 2,486,836, Nov. 1.
- Brassière. J. Glick. 2,468,621-2, Apr. 26.
- Brassière. J. Glick. 2,480,643, Aug. 30.
- Brassière. J. Glick. 2,483,366, Sept. 27.
- Brassière. H. Gluckin. 2,483,272, Sept. 27.
- Brassière. K. Hayes. 2,475,893, July 12.
- Brassière. L. Hunau. 2,486,414, Nov. 1.
- Brassière. G. Kriz. 2,469,654, May 10.
- Brassière. M. F. Laszlo. 2,475,624, July 12.
- Brassière. J. Lo Cascio. 2,481,603, Sept. 13.
- Brassière. J. J. Lo Cascio. 2,492,303, Dec. 27.
- Brassière. R. Michaelson. 2,462,987, Mar. 1.
- Brassière. R. Michaelson. 2,472,606, June 7.
- Brassière. H. Rabinowitz. 2,485,313, Oct. 18.
- Brassière. A. Rubinstein. 2,471,587, May 31.
- Brassière. T. F. Saffady. 2,489,591, Nov. 29.
- Brassière. T. Schauer. 2,466,280, Apr. 5.
- Brassière. H. Schoebel. 2,460,715, Feb. 1.
- Brassière. L. Shulman. 2,472,764, June 7.
- Brassière. S. Silbert and H. Folb. 2,474,699, June 28.
- Brassière. K. Washburn. 2,481,373, Sept. 6.
- Brassière. R. S. Well. 2,488,105, Nov. 15.
- Brassière. M. Witkower. 2,484,440, Oct. 11.
- Brassière. M. H. Wittenberg. 2,462,295, Feb. 22.
- Brassière and garter belt. N. Gradara. 2,490,351, Dec. 6.
- Brassière and similar garment. E. W. Gluckin. 2,470,847, May 24.
- Brassière and slip construction, Combined. V. Wiley. 2,482,994, Sept. 27.
- Brassière construction. Z. M. Silva. 2,457,928, Jan. 4.
- Brassière cup, Expandable. M. Roth. 2,465,171, Mar. 22.
- Brassière or similar garment. H. Gluckin. 2,468,623, Apr. 26.
- Brassière, Pocket equipped. E. E. Harvey. 2,492,862, Dec. 27.
- Brassière, Posture protecting. J. R. Fratianni. 2,477,792, Aug. 2.
- Brassière, Strapless. L. Shulman. 2,472,765, June 7.
- Brassière, Wired. I. W. Rosenberg. 2,480,049, Aug. 23.
- Brassières. P. Amyot. 2,467,924, Apr. 19.
- Brazing alloy. F. C. Hull. 2,473,886, June 21.
- Brazing apparatus, High-frequency induction. J. R. Johnson. 2,477,129, July 26.
- Brazing apparatus, Induction. H. D. Ross, Jr. 2,484,650, Oct. 11.
- Brazing cemented carbides to steel. C. D. Webb. 2,474,643, June 28.
- Brazing fixture, Commutator. C. F. Cobb, J. J. De Windt, and S. A. Weitlauf. 2,484,333, Oct. 11.
- Brazing flux composition. A. E. Rising, Jr. 2,478,944, Aug. 16.
- Brazing of conductors, Electrical. G. E. Berggren. 2,459,863, Jan. 25.
- Bread cooling and proofing rack. J. M. Dunston. 2,470,765, May 24.
- Bread, Delivering. R. W. Thomas. 2,472,993, June 14.
- Breaker and separator, Egg. W. H. Cook. 2,476,356, July 19.
- Breaker, Circuit. H. G. Baxter. 2,473,848, June 21.
- Breaker, Circuit. D. I. Bohn. 2,486,104, Oct. 25.
- Breaker, Circuit. W. L. Butler. 2,475,308, July 5.
- Breaker, Circuit. E. V. Sundt. 2,474,762, June 28.
- Breaker, Circuit. H. M. Wilson. 2,482,956, Sept. 27.

- Breaker, Double impeller impact. L. H. Kessler. 2,486,421, Nov. 1.
- Breaker, Electrical. C. L. Hunsicker. 2,464,041, Mar. 8.
- Breaker point mechanism. A. L. Brownlee and A. I. Alstrom. 2,464,779, Mar. 15.
- Breaker strip construction, Refrigerator. E. D. Drake. 2,489,019, Nov. 22.
- Breaking up the charge in electric smelting furnaces. G. M. Hansen. 2,473,681, June 21.
- Breakwater, Permeable. H. J. Humphrey. 2,474,786, June 28.
- Breathing apparatus. J. F. Dauster. 2,492,272, Dec. 27.
- Breathing apparatus. J. H. Emerson. 2,468,741, May 3.
- Breathing apparatus. J. H. Emerson. 2,481,299, Sept. 6.
- Breathing apparatus, Underwater. O. D. Yarbrough. 2,483,116, Sept. 27.
- Breathing indicator. C. A. Tobias. 2,473,922, June 21.
- Breech and firing mechanism for recoilless firearms. W. J. Kroeger and C. W. Musser. 2,483,421, Oct. 4.
- Breechblock device for firearms. J. Koucky. 2,485,155, Oct. 18.
- Breech bolt mechanism. F. I. Rataiczak. 2,465,749, Mar. 29.
- Breech closing mechanism for repeating firearms, Two-part. A. A. Dicke. 2,484,694, Oct. 11.
- Breech-loading mechanism for ordnance. D. W. Molins. 2,459,572, Jan. 18.
- Breech-loading mortar with obturator case. S. Weiss. 2,473,555, June 21.
- Breech mechanism for firearms. C. A. Perry, R. D. Wackrow, and A. S. Urry. 2,476,905, July 19.
- Brewer, Beverage. P. P. Ruppe. 2,463,431, Mar. 1.
- Brick clip. R. A. Richards. 2,471,584, May 31.
- Brick grab. R. A. Fontaine. 2,491,805, Dec. 20.
- Brick lining for molten metal containers and making the same. W. S. Debenham. 2,480,359, Aug. 30.
- Brickwork structures, Erection of. E. G. Malthouse. 2,472,221, June 7.
- Bridge arrangement, Self-balancing. A. D. Blumlein, W. H. Connell, and D. G. Holloway. 2,462,599, Feb. 22.
- Bridge attachment, Dental. W. M. Reichner. 2,491,581, Dec. 20.
- Bridge compensation, Unbalanced. J. Razez. 2,476,384, July 19.
- Bridge, Electrical impedance testing. D. A. Griffin. 2,468,398, Apr. 26.
- Bridge, Elevator. E. E. Alexander. 2,473,127, June 14.
- Bridge, Elevator door. E. E. Alexander. 2,473,128, June 14.
- Bridge for fretted stringed musical instruments. E. R. Widowsom. 2,491,788, Dec. 20.
- Bridge for measurement of radio-frequency power. C. M. Sorvaag. 2,463,436, Mar. 1.
- Bridge for railway track systems, Derailer. W. A. Francis, Sr. 2,458,903, Jan. 11.
- Bridge for stringed instruments. P. G. F. Lundback. 2,491,991, Dec. 20.
- Bridge for stringed musical instruments, Vibratory. R. W. Watts. 2,469,091, May 3.
- Bridge, Freight platform. E. E. Alexander. 2,473,126, June 14.
- Bridge plate type rail joint. R. Premoli and P. Corbat. 2,460,362, Feb. 1.
- Bridge, Radio-frequency. H. W. Kline. 2,461,286, Feb. 8.
- Bridge, Vertical lift. L. H. Shoemaker. 2,482,562, Sept. 20.
- Bridle. F. D. Reed, Jr. 2,471,121, May 24.
- Bridle bit. L. B. Bergen. 2,466,147, Apr. 5.
- Bridle bit. A. E. Wagner and F. E. Camp. 2,460,912, Feb. 8.
- Bridle, Bitless. R. E. Laws. 2,469,046, May 3.
- Bright nickel plating compositions and process. M. L. Freed and O. A. Stocker. 2,485,149, Oct. 18.
- Brightening tin plate, Method and apparatus for. J. S. Nachtman. 2,458,525, Jan. 11.
- Briquette for lighting fires. G. Fosnaess. 2,477,174, July 26.
- Briquetting machine. A. F. Howe. 2,483,638, Oct. 4.
- Broach, Expandable. A. Girz. 2,488,814, Nov. 22.
- Broach, Hole cutting. J. R. Clawson. 2,490,029, Dec. 6.
- Broach with integral guiding elements. N. H. Iversen. 2,487,757, Nov. 8.
- Broaching apparatus. I. A. Morberg and G. Stuhlfauth. 2,480,499, Aug. 30.
- Broaching apparatus and method. L. B. Green. 2,461,320, Feb. 8.
- Broaching cutter. J. C. Garand. 2,468,745, May 3.
- Broaching machine. O. W. Bonnafé. 2,475,690, July 12.
- Broaching machine. W. J. Fiegel and G. R. Perry. 2,487,699, Nov. 8.
- Broaching machine. C. J. Halborg. 2,459,697, Jan. 18.
- Broadcasting, Synchronous frequency. R. M. Wilmotte. 2,458,124, Jan. 4.
- Broadcasting system. E. Labin and D. D. Grieg. 2,485,611, Oct. 25.
- Broiler. L. D. Milligan. 2,473,658, June 21.
- Broiler. H. M. Reeves. 2,477,546, July 26.
- Broiler, Adjustable. C. E. Chesser and T. H. Cline. 2,477,721, Aug. 2.
- Broiler, Adjustable. G. Klein. 2,459,657, Jan. 18.
- Broiler, Adjustable. J. A. Leighton. 2,477,305, July 26.
- Broiler and door assembly, Cooking stove. J. M. Cook and R. C. Lang. 2,474,225, June 28.
- Broiler, Electric. S. Singer. 2,465,611, Mar. 29.
- Brolling apparatus. J. Fleck. 2,480,458, Aug. 30.
- Bromine trifluoride treatment of aromatic halocarbons. E. T. McBee, V. V. Lindgren, and W. B. Ligett. 2,489,969, Nov. 29.
- Bromine trifluoride treatment of halo hydrocarbons. E. T. McBee, V. V. Lindgren, and W. B. Ligett. 2,471,831, May 31.
- Bromine trifluoride treatment of unsaturated organic compounds. E. T. McBee, V. V. Lindgren, and W. B. Ligett. 2,489,970, Nov. 29.
- Bromo aliphatic acids, Production of derivatives of. M. S. Kharasch and E. C. Ladd. 2,476,668, July 19.
- Bronzing materials. C. S. Fleming. 2,474,520, June 28.
- Brooder. E. Berg. 2,492,258, Dec. 27.
- Brooder, Fireless. N. Lundstrom. 2,472,909, June 14.
- Broom or rake, Lawn. D. Tomkins. 2,475,862, July 12.
- Broom rake. G. H. Sharpe. 2,481,697, Sept. 13.
- Brush. R. S. Herwig. 2,462,055, Feb. 22.
- Brush. R. O. Peterson and V. K. Charvat. 2,465,396, Mar. 29.
- Brush and brush holder for electric drills. F. Collura. 2,481,499, Sept. 13.
- Brush and handle, Massage. O. W. Holden. 2,480,097, Aug. 23.
- Brush, Bath. H. Griffin. 2,471,210, May 24.
- Brush, Bottle. H. G. Volckening. 2,492,820, Dec. 27.
- Brush cleaner for the terminals of distributors, Rotary. R. O. Merchant. 2,476,156, July 12.
- Brush, Cosmetic. I. M. Lecker. 2,480,331, Aug. 30.
- Brush cover. A. H. Santana. 2,485,068, Oct. 18.
- Brush cutter. N. V. Degelman. 2,489,014, Nov. 22.
- Brush, Dental plate. H. V. Konczal. 2,464,321, Mar. 15.
- Brush, Electrical motor and dynamo. T. Miller. 2,468,266, Apr. 26.
- Brush, Electrical utility. S. Mayer. 2,460,183, Jan. 25.
- Brush for cleaning type. H. Jacobs. 2,490,440, Dec. 6.
- Brush for suction cleaners, Retractable. C. H. Sparklin. 2,485,671, Oct. 25.
- Brush for vacuum cleaners, Dusting. A. L. Brakman. 2,469,256, May 3.
- Brush for Venetian blinds, Suction. J. M. Ines. 2,487,444, Nov. 8.
- Brush, Fountain. C. M. Quist. 2,458,027, Jan. 4.
- Brush, Fountain liquid-applying. R. S. Eisner. 2,482,905, Sept. 27.
- Brush head with removable radial blades, Rotary disk type scraping. F. D. Johnson. 2,480,739, Aug. 30.
- Brush holder. V. L. Borelli and W. L. Greenmore, Jr. 2,480,541, Aug. 30.
- Brush holder. J. D. Gayer. 2,463,097, Mar. 1.
- Brush holder. W. R. Goss. 2,483,898, Oct. 4.
- Brush holder. C. L. Jauss. 2,468,631, Apr. 26.
- Brush holder. J. Leonard and W. Treukamp. 2,460,136, Jan. 25.
- Brush holder. G. P. Lessmann. 2,479,378, Aug. 16.
- Brush holder. J. H. Stark. 2,477,352, July 26.
- Brush holder. E. J. Talamini. 2,471,591, May 31.
- Brush holder providing resilient application of the brush against the brush holder wall. C. O. Weibaecher. 2,488,788, Nov. 22.
- Brush lifter. J. A. Johnson. 2,472,018, May 31.
- Brush, Liquid applicator. W. G. Hokett. 2,486,847, Nov. 1.
- Brushmaking machine. J. G. Baumgartner. 2,486,383, Nov. 1.
- Brush, Manicure. H. Spears. 2,475,645, July 12.
- Brush, Massage. O. W. Holden. 2,480,023, Aug. 23.
- Brush means for preparing fibrous molding compositions, Rotating and revolving. H. Snow and R. H. Hocutt. 2,484,966, Oct. 18.
- Brush mechanism. C. A. Thomas. 2,474,601, June 28.
- Brush, Metal-plated plastic. W. C. Bird. 2,471,855, May 31.
- Brush, Motor-driven paint. H. E. Moore. 2,466,257, Apr. 5.
- Brush or rubbing device. J. McBreen. 2,485,899, Oct. 25.
- Brush, Rotary. R. O. Peterson. 2,480,877, Sept. 6.
- Brush, Selector. G. Deakin. 2,474,233, June 28.
- Brush setting device. G. L. Massey. 2,466,661, Apr. 5.
- Brush, Sponge. B. Novick. 2,483,593, Oct. 4.
- Brush spring assembly. W. T. Taber. 2,465,943, Mar. 29.
- Brush support. J. Miles. 2,492,390, Dec. 27.
- Brush with retractable bristles. H. C. Pieper. 2,486,203, Oct. 25.
- Brushes for shoe cleaning, Belt and rotary. E. F. Conklin. 2,463,153, Mar. 1.
- Brushes, Making synthetic. E. H. Haux. 2,488,865, Nov. 22.
- Brushes, Making wire. J. F. Cunningham, Jr. 2,472,003, May 31.
- Brushing apparatus for cleaning portions of circular articles, Scratch. J. R. Marcus and L. B. Walter. 2,480,489, Aug. 30.
- Brushing machine for treating strip material. J. C. Ruffer. 2,491,773, Dec. 20.
- Bubble cap mounting. H. C. Glitsch. 2,461,729, Feb. 15.
- Bubble composition. J. R. La Vietes. 2,469,045, May 3.
- Bubble level support. S. I. Leiger. 2,468,215, Apr. 26.
- Buck and stacker, Hay. A. L. Brauch. 2,468,424, Apr. 26.
- Bucket, Aerated minnow. K. L. Lumpkin. 2,471,573, May 31.
- Bucket attachment with means to limit expansion, Spirally contractable and expansible mop-wringing scrub. E. A. Strattman. 2,465,294, Mar. 22.

- Bucket, Centrifugal. R. J. Birkenbauer. 2,475,735, July 12.
 Bucket, Drag. L. W. Van Buskirk. 2,492,905, Dec. 27.
 Bucket, Dragline. E. V. Cullen. 2,490,582, Dec. 6.
 Bucket holder. T. Kowalski. 2,461,825, Feb. 15.
 Bucket, Minnow. B. Gershon. 2,487,645, Nov. 8.
 Bucket, Minnow. A. G. Morreau. 2,480,759, Aug. 30.
 Bucket, Shovel. D. M. Schwartz. 2,480,384, Aug. 30.
 Bucket, Spinning. H. D. Haley. 2,492,426, Dec. 27.
 Bucket structure for excavators and loaders. W. G. Van Voorhis. 2,462,790, Feb. 22.
 Buckle. M. Hoffman. 2,460,228, Jan. 25.
 Buckle. H. B. Lewis and G. M. Larson. 2,487,251, Nov. 8.
 Buckle. C. Lombardi. 2,473,209, June 14.
 Buckle. A. Neumann. 2,480,874, Sept. 6.
 Buckle. L. C. Schmith. 2,474,372, June 28.
 Buckle and bottle cap remover, Combined belt. R. C. Denison. 2,470,606, May 17.
 Buckle assembly machine. J. A. Turini. 2,481,180, Sept. 6.
 Buckle, Bale tie. J. Hess. 2,462,264, Feb. 22.
 Buckle for emergency tie chains. F. G. Hodel. 2,486,561, Nov. 1.
 Buckle, Reversible. D. A. Seaver. 2,473,225, June 14.
 Buckle, Slide loop. G. H. Elwell. 2,483,128, Sept. 27.
 Buckle with slidable gripper element, Belt. O. J. Huelster. 2,486,652, Nov. 1.
 Buckles, Making. J. A. Turini. 2,481,179, Sept. 6.
 Buff and making the same. L. J. Walling. 2,459,055, Jan. 11.
 Buff, Goblet. E. F. Doyle. 2,473,869, June 21.
 Buffer. R. M. Nelson. 2,491,128, Dec. 13.
 Buffer assembly. L. H. Burnham. 2,480,217, Aug. 30.
 Buffer for railway cars. T. F. Brennan. 2,491,158, Dec. 13.
 Buffer for water closet seat covers. J. J. Jurinak. 2,477,378, July 26.
 Buffer, Hydraulic. E. F. Rossman. 2,469,275, May 3.
 Buffer, Inertia. P. H. Dixon. 2,490,787, Dec. 13.
 Buffer, Manicurist. A. Sorrell. 2,461,781, Feb. 15.
 Buffer mechanism for firearms. A. F. Gaidos. 2,491,492, Dec. 20.
 Buffer, Motor-driven portable. T. H. Jones. 2,465,807, Mar. 29.
 Buffing and abrading head, Pneumatic. H. E. Longley. 2,475,972, July 12.
 Buffing and polishing device. A. R. Raske. 2,490,472, Dec. 6.
 Buffing compositions. D. Gray. 2,482,667, Sept. 20.
 Buffing mechanism. R. J. Olander. 2,486,571, Nov. 1.
 Buffing mechanism for railway car-end platforms. L. A. Marquardt. 2,464,878, Mar. 22.
 Buffing, polishing, or sanding machine. K. Kerr and M. Swenson. 2,467,978, Apr. 19.
 Buffing wheel. G. R. Churchill. 2,483,879, Oct. 4.
 Buffing wheel. J. F. Leslie. 2,460,588, Feb. 1.
 Buffing wheel. N. E. Sax. 2,468,686, Apr. 26.
 Building and structural unit therefor, Demountable. A. G. Omar. 2,461,916, Feb. 15.
 Building block. F. P. Baccaro. 2,460,330, Feb. 1.
 Building block. J. G. Blackinton. 2,472,363, June 7.
 Building block. R. P. Hester. 2,459,028, Jan. 11.
 Building block. V. A. Rigaumont. 2,482,719, Sept. 20.
 Building block and making same. K. J. Tobin. 2,476,229, July 12.
 Building board positioner. I. D. Davis. 2,485,206, Mar. 22.
 Building compositions, Producing fibrous. C. M. Baskin and N. W. McLeod. 2,473,190, June 14.
 Building construction. O. S. Jacobsen. 2,465,687, Mar. 29.
 Building construction. R. G. Le Tourneau. 2,469,603, May 10.
 Building construction. W. V. Myer. 2,490,537, Dec. 6.
 Building construction. J. S. Nagel. 2,462,415, Feb. 22.
 Building construction. A. H. Parsons. 2,473,216, June 14.
 Building construction. G. Strohm. 2,467,637, Apr. 19.
 Building construction. N. Van Voorhis. 2,460,662, Feb. 1.
 Building construction. K. Wachsmann. 2,491,882, Dec. 20.
 Building construction comprising semipolygonal units as principal transverse supports thereof. R. W. McLaughlin, Jr. 2,475,433, July 5.
 Building machine, Tire. W. J. Breth. 2,464,020, Mar. 8.
 Building material and its manufacture, Thermal insulating. J. S. Nagel. 2,462,538, Feb. 22.
 Building materials of high elasticity. C. Mack. 2,481,523, Sept. 13.
 Building, Metal. S. Korman and M. Harrison. 2,482,624, Sept. 20.
 Building method and construction. E. J. Kump. 2,480,330, Aug. 30.
 Building panels, Producing. O. A. Delchmann. 2,457,982, Jan. 4.
 Building structure. T. J. Edwards. 2,473,017-18, June 14.
 Building structure. F. M. Smith. 2,485,463, Oct. 18.
 Building structure. Concrete filled. R. F. V. Tessier and R. L. J. Labourasse. 2,488,994, Nov. 22.
 Building unit. F. Gunnison. 2,478,821, Aug. 9.
 Building unit for house construction. R. F. Lufkin. 2,460,464, Feb. 1.
 Building unit, Hollow reinforced concrete. E. Shinn, Jr. 2,476,433, July 19.
 Building wall, Faced monolithic. C. A. Hardie and F. M. Pennebaker. 2,465,871, Mar. 29.
 Building wall, Furred concrete. R. R. Colburn. 2,476,135, July 12.
 Building wall, Reinforced cementitious hollow. H. R. Lewis. 2,477,381, July 26.
 Bulb manipulating device. G. R. Chadsey. 2,473,008, June 14.
 Bulb socket manipulator. G. R. Chadsey. 2,473,009, June 14.
 Bulb, Thermosensitive. A. A. Zuehlke. 2,487,686, Nov. 8.
 Bulk demagnetization. M. Camras. 2,481,392, Sept. 6.
 Bulk ice-cream container. H. B. Tillery. 2,459,727-8, Jan. 18.
 Bulldozer. R. A. Peterson. 2,485,407, Oct. 18.
 Bulldozer and ripper, Combination. H. E. McCauley. 2,475,710, July 12.
 Bullet. W. T. Moore and W. E. Thibodeau. 2,475,632, July 12.
 Bullet, Explosive. W. T. Moore. 2,459,175, Jan. 18.
 Bullet, Explosive. W. T. Moore and R. N. Nelson. 2,472,118, June 7.
 Bullet, Triple action explosive shrapnel. J. R. Palagonia. 2,464,604, Mar. 15.
 Bumper and fly shoeer, Screen door. R. F. Meister. 2,475,711, July 12.
 Bumper for motor vehicles, Safety. J. F. Noonan. 2,466,265, Apr. 5.
 Bumper sub safety joint. C. C. Brown, G. McCray, and F. L. Scott, Jr. 2,463,353, Mar. 1.
 Bumpers, Making. J. H. Brazil. 2,481,072, Sept. 6.
 Bunching electrons, Method of and apparatus for. L. de Forest. 2,457,980, Jan. 4.
 Bungs in metallic plates, Forming. R. J. Thompson. 2,460,721, Feb. 1.
 Bunk, Removable log. J. E. Whalley. 2,491,067, Dec. 13.
 Bunk, Stake. W. G. White. 2,469,093, May 3.
 Bunk stake equipment. H. A. Puxon. 2,477,202, July 26.
 Bunker, Convertible ice. H. J. Wieden, P. C. Traphagen, and E. F. Stoner. 2,474,563, June 28.
 Buoy, Marking. G. S. Lewis and G. D. Kerns. 2,490,876, Dec. 13.
 Buoy, Plane marker. V. A. Mead. 2,470,783, May 24.
 Buoyant barrier. T. L. Taylor, C. F. Bell, Jr., and R. K. Wentz. 2,465,944, Mar. 29.
 Buoyant soap holder. W. J. Zawadzki. 2,465,050, Mar. 22.
 Burglar alarm, Electric. K. Regan. 2,476,114, July 12.
 Burial box. W. W. Haase. 2,484,707, Oct. 11.
 Burn-in tool. C. R. Terry. 2,470,194, May 17.
 Burner: See—
 Annular trough oil burner. Plate burner.
 Ball valve safety pilot burner. Porcelain-coated gas burner.
 Combustion chamber burner. Pot type oil burner.
 Cyclone burner. Pressure atomizing oil burner.
 Directional heat fluid fuel burner. Pulverized fuel burner.
 Dual firing rate house heating oil burner. Radiant incandescent gas burner.
 Dual firing rate oil burner. Roadside weed burner.
 Gas burner. Rotary air atomizing burner.
 Gas conversion burner. Rotary burner.
 Gasifying fuel burner. Semicylindrical pot-type burner.
 Gravity-fed gas burner. Sheet-metal gas burner.
 Gravity type oil burner. Tipping-off burner.
 Gun type burner. Tobacco curing burner.
 Heating and hardening burner. Tray type fuel oil burner.
 Hydroxylating fuel burner. Tray type liquid fuel burner.
 Hydroxylating pot type burner. Tray type oil burner.
 Liquid fuel burner. Vaporizing coil type oil burner.
 Low velocity gas burner. Vaporizing type oil burner.
 Low velocity oil and gas burner. Variable firing rate oil pressure atomizing burner.
 Low velocity oil burner. Vertical semicylindrical burner.
 Oil burner. Water-cooled fluid fuel burner.
 Pan type oil gasifying burner.
 Perforated combustion tube oil burner.
 Burner and burner nozzle. J. S. Zink. 2,462,704, Feb. 22.
 Burner and fuel tank, Generator type. J. L. Breese. 2,475,006, July 5.
 Burner and mixing tube construction, Gas. N. E. Hill and O. J. Ress. 2,468,331, Apr. 26.
 Burner and pilot, Gas. P. J. Patch. 2,474,547, June 28.
 Burner and pilot structure, Liquid fuel. M. D. Huston and B. Hayter. 2,460,014, Jan. 25.
 Burner and support therefor, Gas. M. L. Mosier. 2,461,913, Feb. 15.
 Burner apparatus, Gas. T. J. Reid. 2,463,558, Mar. 8.
 Burner, Combustion. I. Lubbock and F. J. Battershill. Re. 23,149, Sept. 20.
 Burner construction, Gas. M. W. Hoenshell. 2,461,420, Feb. 8.
 Burner control apparatus with timing means. J. O. Rosche. 2,490,095, Dec. 6.
 Burner control device, Thermocouple. R. W. Mueller. 2,477,078, July 26.

- Burner control, Spark responsive. W. C. Hasselhorn and E. H. Ziebold. 2,474,941, July 5.
- Burner control system. W. L. McGrath. 2,470,996, May 24.
- Burner control system, including a viscosity sensitive bypass valve. R. B. Plass. 2,471,541, May 31.
- Burner control, Thermostatic safety. J. Maynard. 2,478,496, Aug. 9.
- Burner controlling apparatus, Fuel pressure responsive. F. B. Aubert. 2,484,008, Oct. 11.
- Burner for air heaters, High velocity gaseous fuel. A. Clarkson. 2,465,711, Mar. 29.
- Burner for gas lamps. E. L. Koger. 2,480,251, Aug. 30.
- Burner for heaters, Internal-combustion. W. C. Parrish. 2,483,737, Oct. 4.
- Burner for liquid fuel. G. J. Morgan. 2,466,258, Apr. 5.
- Burner for soaking pit furnaces and the like. E. T. Mortson and M. L. Bobeng. 2,480,255, Aug. 30.
- Burner having laterally directed flame ports, Fluid fuel. E. A. Furkert. 2,486,018, Oct. 25.
- Burner having removable cap structures, Gas. P. S. Harper. 2,486,278, Oct. 25.
- Burner of the high-low type, Atomizing oil. H. O. Grimmelsen. 2,458,372, Jan. 4.
- Burner of the pot type, Liquid fuel. P. Gainey. 2,481,104, Sept. 6.
- Burner of the pot type, Retort. M. Resek. 2,484,184, Oct. 11.
- Burner of the pressure atomizing type, Dual firing rate oil. T. C. O'Donnell and J. A. Logan. 2,491,201, Dec. 13.
- Burner of the tray type, Horizontal oil. C. A. Miller. 2,462,529, Feb. 22.
- Burner pot and vaporizing cup, Horizontal. B. Hayter. 2,467,209, Apr. 12.
- Burner system. J. C. Williams. 2,467,173, Apr. 12.
- Burner with adjustable air distribution. V. Z. Caracristi. 2,480,547, Aug. 30.
- Burner with air preheating means, Pot type oil. C. E. Young. 2,479,889, Aug. 23.
- Burner with auxiliary external oxygen supply, Fluid. J. M. Crowe. 2,484,272, Oct. 11.
- Burner with casing, Oil. J. D. Garrett. 2,483,822, Oct. 4.
- Burner with common air and oil control, Dual oil. J. A. Logan and P. H. Bills. 2,464,697, Mar. 15.
- Burner with covered pilot, Pot type. M. D. Huston. 2,476,871, July 19.
- Burner with integral water-heating device. J. L. Breese and B. Hayter. 2,482,649, Sept. 20.
- Burner with removable cap, Double gas. E. H. Mueller. 2,470,713, May 17.
- Burner with rotatable atomizing cup, Liquid fuel. H. K. J. van den Busche. 2,474,020, June 21.
- Burner with steam and oil mixing means, Fuel oil. T. J. Evans. 2,486,137, Oct. 25.
- Burner with steam cleaning means, Oil. S. N. Jenkins. 2,479,166, Aug. 16.
- Burner with vaporizing assembly, Liquid fuel. J. L. Breese. 2,470,682, May 17.
- Burning, calcining, or sintering, granulated or briquetted materials, Method of and shaft kiln for. S. Gottlieb. 2,464,304, Mar. 15.
- Burning cement and like materials. O. G. Lellep. 2,466,601, Apr. 5.
- Burning coil, Method of and apparatus for. D. E. Stair. 2,468,415, Apr. 26.
- Burning contaminants from a moving bed contact mass, Method and apparatus for. L. P. Evans. 2,458,356, Jan. 4.
- Burning high moisture content fuel, Method and apparatus for. A. L. Glaeser. 2,483,728, Oct. 4.
- Bus duct. F. Adam. 2,482,310, Sept. 20.
- Bus, Electrical. B. E. McArthur, D. I. Bohn, and R. N. Wagner. 2,469,073, May 3.
- Bus structure, Electrical. J. W. Myers. 2,477,523, July 26.
- Bushing. J. N. Gladden. 2,471,615, May 31.
- Bushing and bracket assembly, Drill. G. S. Wing. 2,483,686, Oct. 4.
- Bushing and glass therefor, Electric. W. W. Grigorieff. 2,478,626, Aug. 9.
- Bushing and liner therefor, Interchangeable drill jig. D. V. Stellin. 2,490,718, Dec. 6.
- Bushing, Conduit. W. R. Main. 2,466,720, Apr. 12.
- Bushing, Drain pipe reducer. J. L. Valerius. 2,480,791, Aug. 30.
- Bushing for toolholders. B. P. Toth. 2,482,603, Sept. 20.
- Bushing, High-voltage. H. J. Lingal and T. R. Watts. 2,484,233, Oct. 11.
- Bust construction for garments. H. J. Greenberger. 2,465,800, Mar. 29.
- Bust support. L. L. and D. M. Polk. 2,468,106, Apr. 26.
- Butadiene, Dimerization of. H. L. Johnson. 2,468,432, Apr. 26.
- Butadiene elastomers, Vulcanization of. B. M. Sturgis and J. H. Trepagnier. 2,477,015, July 26.
- Butadiene emulsion polymerization in the presence of a glycol mono-ether. W. A. Schulze and W. W. Cronch. 2,472,232, June 7.
- Butadiene emulsion polymerization in the presence of levopimaric acid-maleic anhydride addition product. F. L. McKennon and R. V. Lawrence. 2,465,901, Mar. 29.
- Butadiene emulsion polymerization in the presence of levopimaric acid-maleic anhydride addition product esters. R. V. Lawrence. 2,465,888, Mar. 29.
- Butadiene emulsion polymerization process, including mercaptan and cyanide modifiers. H. F. Rose and M. K. Rowan. 2,473,390, June 14.
- Butadiene extraction. J. B. Lovell. 2,472,487, June 7.
- Butadiene extraction. J. W. Packie and E. M. Glazier. 2,459,451, Jan. 18.
- Butadiene 1,3-acrylonitrile rubbery copolymers with improved low-temperature flexibility. L. Nicholl and G. Kesslin. 2,479,018, Aug. 16.
- Butadiene polymers with acetals of hydroxy aldehydes, Preservation of. R. L. Sibley. 2,468,309, Apr. 26.
- Butadiene purification. W. H. Rupp. 2,487,184, Nov. 8.
- Butadiene-styrene copolymer cements, Manufacture of. E. G. Bargmeyer. 2,461,954, Feb. 15.
- Butadiene-styrene copolymer tackified with oxidized isoprene polymer. H. F. Palmer. 2,459,761, Jan. 18.
- Butadiene-styrene rubbery copolymer, Vulcanization of. A. C. Byrns and G. von Stroh. 2,459,916, Jan. 25.
- Butadienes, Emulsion polymerizing. G. P. Mack. 2,470,629, May 17.
- Butynediol, Production of. T. E. Londergan. 2,487,008-9, Nov. 1.
- Butynediol, Production of. J. F. Walker and T. E. Londergan. 2,487,006-7, Nov. 1.
- Butter by cooling cream of high concentration, Producing. H. O. Lindgren. 2,461,117, Feb. 8.
- Butter cutter. M. A. Berg. 2,488,656, Nov. 22.
- Butter cutter. W. Grocoff. 2,479,742, Aug. 23.
- Butter dispenser. R. E. Dodge. 2,471,399, May 24.
- Butterfat, Treating. C. E. North. 2,485,308, Oct. 18.
- Butter, Making. G. W. Shadwick. 2,463,915, Mar. 8.
- Butter manufacturing means and method. H. C. Horneman, R. V. Hussong, S. N. Quam, and B. W. Hammer. 2,466,895, Apr. 12.
- Butter manufacturing process. H. C. Horneman, R. V. Hussong, S. N. Quam, and B. W. Hammer. 2,466,894, Apr. 12.
- Butterer, Corn-on-cob. M. N. Mossel. 2,478,122, Aug. 2.
- Battering device, Corn. V. Volpini. 2,458,120, Jan. 4.
- Butterfly valve. A. C. Danks. 2,488,380, Nov. 15.
- Button. J. Neumann. 2,462,332, Feb. 22.
- Button, Actuator. F. A. Niemann. 2,485,213, Oct. 18.
- Button, Combination. F. Hajny. 2,470,980, May 24.
- Button construction for garments and the like. R. E. Tuttle. 2,460,775, Feb. 1.
- Button-covering device. H. G. Booth. 2,488,957, Nov. 22.
- Button, Cuff link or cuff. C. I. Osterberg. 2,461,845, Feb. 15.
- Button, Detachable. H. A. Shaffer. 2,471,589, May 31.
- Button, Detachable. H. A. Shaffer. 2,484,654, Oct. 11.
- Button fastener. M. F. Brown, Jr. 2,462,717, Feb. 22.
- Buttonhole attachment for sewing machines. N. T. Almquist. 2,482,607, Sept. 20.
- Button or buttonhole gauge. L. Swartz. 2,479,648, Aug. 23.
- Button or ornament, Fur. M. J. Schiffrin. 2,470,868, May 24.
- Button, Plastic. O. J. Huelster. 2,461,324, Feb. 8.
- Button with metal tack, Plastic. F. G. Purinton. 2,480,262, Aug. 30.
- Butyl rubber for pressure working, Improving cured. W. F. Fischer. 2,458,843, Jan. 11.
- Butyl rubber, Splicing. F. F. Silver. 2,469,849, May 10.
- Butyl rubber to metal, Adhesion of. W. C. Smith. 2,471,905, May 31.
- Butyric acid, Preparation of. H. J. Hagemeyer, Jr. 2,484,498, Oct. 11.
- Buzzer in telephone receiver for signaling. W. C. and C. N. Bailey. 2,492,125, Dec. 20.
- By-pass for repeaters, Automatic. R. H. Herrick. 2,478,395, Aug. 9.
- C-acetylated and O-acetylated compounds, Preparing. J. A. Spence and E. F. Degering. 2,472,628, June 7.
- C-clamp, Quick-acting. E. C. Neal. 2,472,022, May 31.
- C-clamp, Quick action. A. M. Sagen. 2,490,923, Dec. 13.
- C-clamp, Toggle actuated. C. J. Downs. 2,466,937, Apr. 12.
- C₄ alkylation with aluminum chloride-hydrocarbon complex catalyst. E. F. Pever. 2,488,602, Nov. 22.
- Cab, Crane. W. G. Wehr. 2,471,295, Mar. 24.
- Cab structure. L. A. Campbell. 2,479,036, Aug. 16.
- Cab structure, Vehicle. L. A. Campbell. 2,486,734, Nov. 1.
- Cabin altitude and oxygen use indicator. N. F. Hosford. 2,473,586, June 21.
- Cabin pressure regulator. J. M. Kemper. 2,463,491, Mar. 1.
- Cabin pressure regulator. J. M. Kemper. 2,491,270, Dec. 13.
- Cabin structure, Log or post. A. Grudda. 2,463,612, Mar. 8.
- Cabinet: See—
- Apparel-hanger cabinet.
 - Convactor heater cabinet.
 - Desk level visible card cabinet.
 - Dispensing cabinet.
 - Display and dispensing cabinet.
 - Display and self-service cabinet.
 - Display cabinet.
 - Display or storage cabinet.
 - Dry sterilizer cabinet.
 - Foot treating cabinet.
 - Forced air refrigerated display cabinet.
 - Knockdown sheet metal cabinet.
 - Knockdown utility cabinet.
 - Net.
 - Metal file cabinet.
 - Multiunit storage cabinet.

- Cabinet: *See*—Continued.
 Organ cabinet.
 Phonograph record cabinet.
 Power cabinet.
 Reflex type loud-speaker cabinet.
 Refrigerated display cabinet.
 Cabinet. W. H. Parnell and S. Grabarsky. 2,488,431, Nov. 15.
 Cabinet and dispenser, Rolled toilet paper. C. J. Strahan. 2,459,252, Jan. 18.
 Cabinet and drawer with compressing and signaling means, Combined. M. Effros and C. E. Mills. 2,460,572, Feb. 1.
 Cabinet and exercising device. J. N. Mosher. 2,474,060, June 21.
 Cabinet and towel rack. L. R. Harp. 2,489,774, Nov. 29.
 Cabinet construction. B. J. Triller. 2,466,869, Apr. 12.
 Cabinet, Foldable. W. K. Harris. 2,486,745, Nov. 1.
 Cabinet for office communication apparatus. E. W. Breisch. 2,488,372, Nov. 15.
 Cabinet front frame. F. E. Bissell, Jr., and H. A. Muir. 2,463,238, Mar. 1.
 Cabinet having a vertically swingable section, Wall. C. P. Boyd. 2,473,239, June 14.
 Cabinet having an air-pump circuit, Refrigerating. F. N. James. 2,468,932, May 3.
 Cabinet having combined doors and slidable shelf. M. L. Kramer. 2,470,993, May 24.
 Cabinet having combined shelf and slidable doors. D. T. Houpt. 2,475,284, July 5.
 Cabinet having interconnected doors. A. N. Smith. 2,465,555, Mar. 29.
 Cabinet having top opening with pedal operated closure, Kitchen. H. A. and H. C. Frothingham. 2,474,101, June 21.
 Cabinet structure, Kitchen. G. Scharmer. 2,472,685, June 7.
 Cabinet using hot air, Sterilizing and drying. E. B. Derr. 2,480,227, Aug. 30.
 Cabinet with device for locking an instrument base. E. Mihalek and C. Szyper. 2,459,571, Jan. 18.
 Cabinet with drawer and work board combination. D. La Barre. 2,471,529, May 31.
 Cabinet with holding mechanism, Tilttable. L. Geis and C. L. Metzler. 2,468,596, Apr. 26.
 Cabinet with plural partitions forming labyrinth, Loud-speaker. J. J. Wenzel. 2,476,572, July 19.
 Cabinet with refrigerating removable unit, Freezing. H. F. Luecke. 2,462,115, Feb. 22.
 Cabinet with removable screen controlling focusing system, Television. A. H. Rosenthal. 2,469,992, May 10.
 Cabinet with suspended rack. C. W. Bail. 2,463,506, Mar. 8.
 Cabinet with table forming front, Kitchen. S. W. Adams. 2,471,508, May 21.
 Cable: *See*—
 Adjustable mooring cable.
 Coaxial cable.
 Concentric conductor electric cable.
 Cooled, high-frequency electric cable.
 Coreless operating cable.
 Electric cable.
 Electric communication cable.
 Fire alarm cable.
 Cable adapted to form the metal carcasses of pneumatic tires. P. M. Bourdon. 2,492,352, Dec. 27.
 Cable advancing mechanism and method, Single. W. W. Mount. 2,490,378, Dec. 6.
 Cable and the like supporting structures. W. H. Churchill. 2,459,307, Jan. 18.
 Cable brace-bar ophthalmic mounting. W. Leduc. 2,481,601, Sept. 13.
 Cable clamp. H. A. Einhart. 2,461,725, Feb. 15.
 Cable clamp. R. Hoffman. 2,485,445, Oct. 18.
 Cable clamp. J. H. Holliday. 2,462,969, Mar. 1.
 Cable clamp. H. L. Kindorf. 2,485,891, Oct. 25.
 Cable clamp. N. Tarnow. 2,469,938, May 10.
 Cable clamp. N. A. Tornblom. 2,480,522, Aug. 30.
 Cable-clamping device, Universal. L. L. Verkuil. 2,459,603-4, Jan. 18.
 Cable composition, Electrical. P. T. Gidley. 2,469,721, May 10.
 Cable connection. D. Beaty. 2,465,783, Mar. 29.
 Cable connector. J. R. Frank. 2,481,303, Sept. 6.
 Cable connector. C. T. Lewis. 2,463,116, Mar. 1.
 Cable connector. C. O. Morris. 2,466,997, Apr. 12.
 Cable connector. D. Murdoch. 2,477,818, Aug. 2.
 Cable connector. G. C. Thomas, Jr. 2,485,676, Oct. 25.
 Cable connector. G. C. Thomas, Jr., and C. A. Badeau. 2,462,818, Feb. 22.
 Cable connector assembly, Electric. F. S. Wreford. 2,480,803, Aug. 30.
 Cable contact, Four-way. E. R. Goldfeld. 2,461,268, Feb. 8.
 Cable cutout, Aerial. G. C. Salmons and L. J. Dornbos. 2,457,925, Jan. 4.
 Cable cutout, Aerial. A. G. Steinmayer. 2,475,341, July 5.
 Cable end receptacle. A. A. Mahren. 2,472,113, June 7.
 Cable for high frequencies, Electric. W. K. Weston. 2,480,170, Aug. 30.
 Cable for power transmission, Square section. J. F. Salvans. 2,469,178, May 3.
 Cable forming apparatus. A. M. Isaacson and H. H. Merwin. 2,465,537, Mar. 29.
 Cable forming machine. E. Bertalan and J. A. Wagner. 2,471,299, May 24.
 Cable grip, Automatic wire. H. E. Kleve. 2,464,319, Mar. 15.
 Cable guide arm and torque control switch, Combined. J. D. Russell. 2,472,860, June 14.
 Cable guide, Electrical. S. W. Duncan. 2,483,760, Oct. 4.
 Cable insulated with thermoplastic material, Treatment of. J. K. Webb. 2,462,149, Feb. 22.
 Cable joint. D. W. Kitchen and F. R. Dyke. 2,462,977, Mar. 1.
 Cable laying apparatus. K. Mahnke. 2,476,883, July 19.
 Cable lock. J. T. White. 2,482,231, Sept. 20.
 Cable lock connector. S. N. Buchanan. 2,463,144, Mar. 1.
 Cable lubricator. J. E. Tonnelier. 2,474,128, June 21.
 Cable reel drive, Fluid pressure. J. J. Slomer. 2,467,238, Apr. 12.
 Cable slitting device, Electrical marine. J. H. Pifer. 2,468,407, Apr. 26.
 Cable stitch knitting. J. Fontaine. 2,461,204, Feb. 8.
 Cable stripping tool. A. Baldwin and W. J. Steeds. 2,480,107, Aug. 30.
 Cable system and installing the same, High-tension electric power. C. E. Bennett. 2,476,953, July 26.
 Cabled coaxial pairs, Procedure for production of. M. Vos. 2,491,235, Dec. 13.
 Cables and making cables, Electrical conductor. R. Gillis. 2,492,568, Dec. 27.
 Cables, Making electric power transmission. H. Pfeumer. 2,466,271, Apr. 5.
 Cables, Making electrical conductor. R. Gillis. 2,479,924, Aug. 23.
 Cadmium phosphate phosphors. A. H. McKeag and P. W. Ranby. 2,476,676, July 19.
 Cadmium pyrophosphate phosphor. F. E. Williams. 2,463,449, Mar. 1.
 Cadmium, Recovering. F. G. McCutcheon. 2,473,962, June 21.
 Cadmium red pigments, Production of. L. F. Nerlinger. 2,479,636, Aug. 23.
 Cadmium sulfoselenide pigments, Preparing. F. Kertesz. 2,482,006, Sept. 13.
 Caffeine, Recovering. C. R. Bender. 2,472,881, June 14.
 Cage, Portable teller's. E. G. Holmgren. 2,475,428, July 5.
 Cage trap. C. Symens. 2,478,605, Aug. 9.
 Cage, Valve. C. E. Bridwell. 2,462,605, Feb. 22.
 Cage, Valve. C. E. Bridwell. 2,488,075, Nov. 15.
 Cages for ball bearings, Making. T. G. Barnbrook. 2,458,762, Jan. 11.
 Caging mechanism. H. Konet. 2,468,016, Apr. 19.
 Caging mechanism, Instrument. L. D. Cabill, W. T. Buhl, and A. S. Horwitz. 2,459,496, Jan. 18.
 Cake-lifting and removing tool. H. J. McDermott. 2,486,489, Nov. 1.
 Cake of soap. E. F. Haskell. 2,489,639, Nov. 29.
 Cake pans, Wrapping tubular. J. M. Luker. 2,460,644, Feb. 1.
 Calciferol chaulmoograte and process. H. Penau and G. Hagenann. 2,484,526, Oct. 11.
 Calcined diatomaceous earth product. C. A. Frankenhoff. 2,470,346, May 17.
 Calcining apparatus. V. J. Azbe. 2,470,543, May 17.
 Calcium cadmium silicate phosphor. J. H. Schulman. 2,471,082, May 24.
 Calcium carbonate-silicate pigment product and making same, Complex. H. F. Roderick and F. M. Zorn. 2,470,577, May 17.
 Calcium hypochlorite, Production of. J. W. Sprauer. 2,469,901, May 10.
 Calcium, Production of. L. M. Pidgeon and S. A. McCatty. 2,464,767, Mar. 15.
 Calcium silicate phosphor. J. H. Schulman. 2,474,193, June 21.
 Calculating apparatus for gun battery fire coordination. A. J. A. Bessière. 2,486,913, Nov. 1.
 Calculating apparatus for use with unstable platforms, Angle. E. D. Gittens. 2,486,781, Nov. 1.
 Calculating device. C. A. Gilson. 2,478,096, Aug. 2.
 Calculating device. G. S. Merrill. 2,466,858, Apr. 12.
 Calculating device, Carpenter's. J. H. Rogers. 2,485,777, Oct. 25.
 Calculating device, Refracted ray. G. M. McGuckin. 2,463,789, Mar. 8.
 Calculating device, Vector. L. Reiche. 2,465,481, Mar. 29.
 Calculating machine. J. R. Bowman and R. T. Steinback. 2,469,628, May 10.
 Calculating machine. R. G. Fowler, O. F. Larsen, and N. R. Frieberg. 2,476,853, July 19.
 Calculating machine. E. Grip. 2,483,459, Oct. 4.
 Calculating machine. E. Grip and S. Toorell. 2,488,011, Nov. 15.
 Calculating machine. T. O. Mehan. 2,486,959, Nov. 1.
 Calculating machine. E. Racz. 2,468,408, Apr. 26.
 Calculating machine. A. G. Thomas. 2,470,535, May 17.
 Calculating machine, Record controlled. C. D. Lake, B. M. Duffee, and A. H. Dickinson. 2,490,362, Dec. 6.

- Calculating machine, Typewriter. F. J. Tillman. 2,487,616, Nov. 8.
- Calculating machine, Typewriter. F. J. Tillman. 2,487,954, Nov. 15.
- Calculator. H. B. Kohn and M. Schneiderman. 2,470,495, May 17.
- Calculator. W. A. Wartinen. 2,469,672, May 10.
- Calculator, Aircraft trip. M. C. Rehill. 2,487,590, Nov. 8.
- Calculator and decimal point locator. A. F. Eckel. 2,466,883, Apr. 12.
- Calculator and recorder, Train performance. S. V. Smith. 2,469,011, May 3.
- Calculator, Biquinary system. G. R. Stibitz. 2,486,809, Nov. 1.
- Calculator device. A. F. Kirschbaum. 2,485,892, Oct. 25.
- Calculator, Fuel mileage. R. R. Herrick. 2,489,030, Nov. 22.
- Calculator, Interest. J. A. Brown. 2,477,785, Aug. 2.
- Calculator, Interest factor. H. E. Herrington. 2,486,945, Nov. 1.
- Calculator, Mechanical. O. G. Rude. 2,477,392, July 26.
- Calculator, Octantal error. G. Swift and C. B. Moore. 2,474,288, June 28.
- Calculator, Partial product. D. Broido. 2,478,365, Aug. 9.
- Calculator, Payroll. E. G. Nassar. 2,464,148, Mar. 8.
- Calculator, Radiograph. J. W. Wilson. 2,484,366, Oct. 11.
- Calculator, Rhythm. G. Fisher. 2,476,408, July 19.
- Calculator, Safety. D. P. Anschicks and F. M. Wright. 2,485,181, Oct. 13.
- Calculator, Time-card. H. Frankfort. 2,490,425, Dec. 6.
- Calculator, Tree volume. C. Mesavage. 2,471,491, May 31.
- Calendar having a grilled mask, Rotatable disk two year. C. P. Potter. 2,464,461, Mar. 15.
- Calendar having a pocketed backing member, Foldable leaf memoranda. P. E. Ruffner. 2,469,177, May 3.
- Calendar, Mechanical. P. A. Klaris. 2,483,775, Oct. 4.
- Calendar, Perpetual. I. A. Farr. 2,470,692, May 17.
- Calendar with interlaced spiral formations, Rotatable disk, perpetual. R. Blodget. 2,462,598, Feb. 22.
- Calibrating means for indicating instruments in pulse echo systems, Electronic. P. C. Michel. 2,460,142, Jan. 25.
- Calibrating peak current meter. C. W. Hansell. 2,472,013, May 31.
- Calibration means, Radio altimeter. L. C. Moore. 2,468,097, Apr. 26.
- Calibrator for field intensity recorders. C. V. Larrick. 2,489,908, Nov. 29.
- Calibrator for lead-computing sights. W. M. Horton. 2,476,981, July 26.
- Caliper for chart reading. W. P. Huntley. 2,488,085, Nov. 15.
- Caliper for round bores, Micrometer. F. Schmid. 2,478,427, Aug. 9.
- Caliper, High-precision. J. D. Fournier. 2,468,362, Apr. 26.
- Caliper, Inside thread. J. D. Lee. 2,470,254, May 17.
- Caliper, Micrometer. A. A. Adams. 2,472,875, June 14.
- Caliper, Micrometer. H. S. Robinson. 2,472,126, June 7.
- Caliper, Micrometric. G. S. Geddes. 2,482,411, Sept. 20.
- Caliper, Slide. L. J. Daoust. 2,465,791, Mar. 29.
- Calking composition. R. H. Taylor. 2,467,362, Apr. 12.
- Call system, Telephone alarm. C. E. Lomax. 2,483,214, Sept. 27.
- Calling and warning apparatus for communication systems. H. Selinger. 2,489,202, Nov. 22.
- Calling device, Dial telephone. J. S. Stull. 2,479,088, Aug. 16.
- Calling line and party identification in automatic telephony. A. E. Joel, Jr. 2,490,441, Dec. 6.
- Calling system, Selective telegraph station. J. L. Maxwell. 2,477,309, July 26.
- Caloric adjusting. A. L. M. A. Rouy. 2,471,123, May 24.
- Cam action universal joint. V. P. Williams. 2,471,665, May 31.
- Cam-actuated grip-finger wrench. J. B. Alexander. 2,478,996, Aug. 16.
- Cam actuated switch. T. Hetman. 2,486,846, Nov. 1.
- Cam device, Adjustable. O. Mohr. 2,480,594, Aug. 30.
- Cam device in machine tools. A. Bechler. 2,489,444, Nov. 29.
- Cam finishing machine. W. P. Norton, Jr. 2,471,493, May 31.
- Cam follower, Radial engine. G. D. Angle. 2,489,946, Nov. 29.
- Cam for level winding devices. D. S. Reitz. 2,471,654, May 31.
- Cam lever actuated pivoted jaw wrench. V. S. Ward and G. K. Hurlbut. 2,475,866, July 12.
- Cam making machine. G. X. Johnston. 2,472,902, June 14.
- Cam operated cap gripping wrench. P. E. Deschenes. 2,486,523, Nov. 1.
- Cam operated clutch. L. A. White. 2,474,876, July 5.
- Cam operated transversely engaged clutch. G. K. Claire. 2,481,084, Sept. 6.
- Cam structure, Adjustable. B. A. Bels. 2,484,331, Oct. 11.
- Camber adjusting tool. H. V. Jungst. 2,462,403, Feb. 22.
- Cambering machine, Spring. G. R. Reed. 2,473,445, June 14.
- Cambric and linen tape dispenser. H. E. Stevenson. 2,458,964, Jan. 11.
- Camelback material. T. Q. Smith. 2,459,757, Jan. 18.
- Camera and recording system, Photofinish. J. J. Jones. 2,482,621, Sept. 20.
- Camera apparatus, Self-developing. E. H. Land, M. N. Fairbank, and D. S. Grey. 2,483,014, Sept. 27.
- Camera boom, Gyroscopically stabilized. E. Furer and C. B. Lonon. 2,472,944, June 14.
- Camera, Camouflaged. G. C. Barker. 2,464,067, Mar. 8.
- Camera, Cinematographic. A. C. Coutant and J. Mathot. 2,474,972, July 5.
- Camera, Cinematographic. A. Coutant and J. Mathot. 2,476,705, July 19.
- Camera, Color separation. F. T. Powers, A. J. Powers, Jr., and F. E. Wattier. 2,469,891, May 10.
- Camera construction. M. R. Hutchison, Jr. 2,484,510, Oct. 11.
- Camera, Continuous process. L. Thompson. 2,462,439, Feb. 22.
- Camera control, Document-operated. S. and B. Rose. 2,478,641, Aug. 9.
- Camera control for bombardment aircraft. H. P. Roganti. 2,468,781, May 3.
- Camera copy board. J. W. White. 2,487,623, Nov. 8.
- Camera, Developing. R. J. Messina and O. E. Wolff. 2,458,186, Jan. 4.
- Camera diaphragm adjusting mechanism. J. B. Davenport and G. Gilbert. 2,464,559, Mar. 15.
- Camera finder and focus adjusting mechanism, Interconnected. J. W. Gillon and G. A. Haraden. 2,481,656, Sept. 13.
- Camera finder and focus interlocking mechanism. R. E. McAdam and K. E. Bauer. 2,481,677, Sept. 13.
- Camera focusing structure having pivoted supplementary lens. G. J. Arnold. 2,482,571, Sept. 20.
- Camera for making simultaneous exposures on separate films. C. L. Mourfield. 2,478,301, Aug. 9.
- Camera for photographing objects moving relatively to the camera. G. Rattray. 2,474,323, June 28.
- Camera for variable consecutive exposures, Photographic. L. K. Kaeburn. 2,492,646, Dec. 27.
- Camera having auxiliary folding mirror, Reflex. E. V. Soreny. 2,466,664, Apr. 5.
- Camera having detachable magazine. G. Rattray and I. W. Doyle. 2,482,596, Sept. 20.
- Camera having handgrip operating means, Combat. W. R. Harlow. 2,472,823, June 14.
- Camera having shutter control and film winding interlock. D. C. Harvey. 2,478,394, Aug. 9.
- Camera head for tripods. J. W. Schultz. 2,463,648, Mar. 8.
- Camera, High-temperature X-ray diffraction. E. F. Champayne. 2,479,471, Aug. 16.
- Camera holder. L. H. Roos. 2,483,711, Oct. 4.
- Camera lens shade. D. Throne. 2,466,786, Apr. 12.
- Camera lens switching device, Television. T. W. Chew. 2,481,082, Sept. 6.
- Camera magazine, Continuous strip. G. E. Merritt and B. W. Jones. 2,476,677, July 19.
- Camera mechanism, Intermittent. R. C. McClay. 2,463,043, Mar. 1.
- Camera objective mounting. J. J. Broïdo and J. Weissbrodt. 2,461,357, Feb. 8.
- Camera, Projectile flight recording multiple exposure. I. S. Bowen. 2,460,163, Jan. 25.
- Camera, Reproducing. W. C. Huebner. 2,458,269, Jan. 4.
- Camera, Roll film cutting. C. Swenson. 2,492,900, Dec. 27.
- Camera, Self-developing. M. N. Fairbank. 2,491,719, Dec. 20.
- Camera, Self-developing. E. H. Land. 2,477,304, July 26.
- Camera, Self-developing. O. E. Wolff. 2,477,324, July 26.
- Camera, Self-developing magazine. M. N. Fairbank. 2,477,291, July 26.
- Camera, Self-erecting front. D. C. Harvey. 2,481,661, Sept. 13.
- Camera shutter. A. W. Campbell. 2,470,139, May 17.
- Camera shutter mechanism with focusing stop. A. Schwarz. 2,483,025, Sept. 27.
- Camera, Universal motion and still picture. I. Jerome. 2,472,299, June 7.
- Camera view and range finder. A. Simmon. 2,474,379, June 28.
- Camera with adjustable light support, Ophthalmic. H. Pearce. 2,478,545, Aug. 9.
- Camera with combined shutter arming and film transporting mechanism, Roll film. J. Bolsey. 2,464,790, Mar. 22.
- Camera with detachable magazine, Roll film. A. Simmon and L. L. Weisglass. 2,469,008, May 3.
- Camera with photoelectric cell diaphragm opening indicator. J. J. Broïdo. 2,477,235, July 26.
- Camera with photoelectric means responsive to illumination bomb for operating grid shutter, Aerial. O. Steiner. 2,485,119, Oct. 18.
- Camera with vari-size focal plane aperture. C. E. Hannum. 2,460,174, Jan. 25.
- Camp stove, Folding. P. D. Sims. 2,485,667, Oct. 25.
- Camphene composition, Flowable chlorinated. J. M. Evans, P. M. Ruedrich, and V. A. Strom. 2,488,590, Nov. 22.
- Camphorate of hyoscyamine and morphine, Double. J. H. T. Ledrut. 2,491,741, Dec. 20.

- Can: See—
 Bait can. Measuring and dispensing can.
 Double seal milk can. Oil can.
 Dump can. Rubber oil can.
 Fuel filler can.
 Lunch can.
- Can. H. Sebell. 2,490,888, Dec. 13.
 Can and cover keeper, Garbage. R. G. Blank. 2,471,257, May 24.
 Can and heater, Combined. L. Katz. 2,482,779, Sept. 27.
 Can arranging and bagging apparatus. H. Schrader. 2,492,894, Dec. 27.
 Can bodies having vented side seams, Producing. T. Begg. 2,460,273, Feb. 1.
 Can-body maker. P. Kruse. 2,458,008, Jan. 4.
 Can body making machine. J. F. Peters. 2,468,777, May 3.
 Can closing machine. R. E. J. Nordquist. 2,469,401, May 10.
 Can crusher. M. F. Madolny and E. Zak. 2,466,907, Apr. 12.
 Can extractor. E. Laxo. 2,471,156, May 24.
 Can feeding machine. W. A. Glenn and C. M. Buck, Jr. 2,466,228, Apr. 5.
 Can for frozen foods or the like, Preset pressure. R. Lo Vico. 2,461,557, Feb. 15.
 Can for liquid products, Metal. J. H. O'Neil. 2,492,883, Dec. 27.
 Can making machine, Paper. M. H. Sidebotham. 2,479,050, Aug. 16.
 Can-marking device. J. Albertoll. 2,462,590, Feb. 22.
 Can opener, Rotary drive wheel type. R. E. McLean. 2,474,982, July 5.
 Can opener, Rotary drive wheel type. R. E. McLean. 2,481,609, Sept. 13.
 Can opener, Rotary feed wheel type. R. E. McLean. 2,466,117, Apr. 5.
 Can-opening machine. J. Hrabarchuk. 2,463,276, Mar. 1.
 Can punch. C. L. Robinson. 2,489,677, Nov. 29.
 Can seaming head, Noncircular. W. B. Peterson, Jr. 2,467,154, Apr. 12.
 Can with float controlled detaching means, Filling. R. P. Buneta. 2,489,746, Nov. 29.
 Canning evaporated milk and similar foamy liquids. G. Grindrod. 2,477,692, Aug. 2.
 Candle. M. C. Hussey. 2,461,822, Feb. 15.
 Candle, Drip. L. F. Wilson. 2,464,361, Mar. 15.
 Candleholder. C. D. Gilmore. 2,469,163, May 3.
 Candle holder. T. W. Tierney. 2,462,440, Feb. 22.
 Candleholder, Anniversary cake. A. G. McNeill. 2,468,505, Apr. 26.
 Candle manufacture. A. French. 2,486,469, Nov. 1.
 Candlestick holder. E. L. Beckwith. 2,475,274, July 5.
 Candles as oxygen yielding compositions, Chlorate. W. H. Schechter. 2,469,414, May 10.
 Candles, Method and apparatus for making dipped. A. E. Moore. 2,473,202, Aug. 9.
 Cane stripper with spring pressed arcuate blades. W. J. Roberts. 2,467,052, Apr. 12.
 Canister and distributor therefor. D. S. Burgess, E. A. Ramskill, and R. R. Miller. 2,469,367, May 10.
 Canister attachment, Facepiece. A. V. Motsinger. 2,478,936, Aug. 16.
 Canister shell. D. F. Linsley. 2,461,555, Feb. 15.
 Canopy, Air-conditioned. E. C. Dixon and W. E. Chilton. 2,463,090, Mar. 1.
 Canopy and mounting, Stove. J. H. Sonntag. 2,487,607, Nov. 8.
 Canopy construction. C. C. King. 2,469,436, May 10.
 Canopy control and jettisoning mechanism. J. B. Beach. 2,479,713, Aug. 23.
 Canopy, Extensible. R. L. Campbell. 2,470,337, May 17.
 Canopy, Extensible. E. S. Kavanaugh. 2,486,170, Oct. 25.
 Canopy frame. M. D. Welsh. 2,461,014, Feb. 8.
 Canopy, Jettisonable cockpit. E. F. Schmidt. 2,478,714, Aug. 9.
 Canopy operating mechanism. C. C. King. 2,482,004, Sept. 13.
 Canopy, Parachute. H. R. Mallory. 2,472,601, June 7.
 Canopy, Trailer supported. M. E. Bishop. 2,485,473, Oct. 18.
 Cap: See—
 Adjustable cap. Electric blasting cap.
 Armature shaft winding High-speed vacuum seal-
 cap. ing cap.
 Armor piercing projectile Lady's emblematic cap.
 cap. Lens-mount focusing cap.
 Bathing cap. Liquid fuel tank cap.
 Bottle cap. Oil tube dust cap.
 Composite bottle cap. Pouring cap.
 Container cap. Self-sealing vent cap.
 Dispensing closure cap. Ventilator cap.
 Cap. M. A. Dannenberg. 2,462,258, Feb. 22.
 Cap and dispenser for jars and the like, Combined. S. A. de Walthoff. 2,487,642, Nov. 8.
 Cap and valve therefor, Container. J. G. Ward. 2,472,555, June 7.
 Cap assembly, Bubble. E. D. Rapisarda and H. F. Tapp. 2,491,209, Dec. 13.
 Cap assembly for gas or vapor and liquid contact apparatus, Bubble. L. H. Johnson. 2,480,862, Sept. 6.
 Cap ensemble, Bathing. R. P. Loy. 2,477,489, July 26.
 Cap for bottles, Nonrefillable. J. Doblin. 2,476,587, July 19.
 Cap for collapsible tubes. J. S. Clark. 2,463,152, Mar. 1.
 Cap for containers. H. Z. Gora. 2,492,144, Dec. 27.
 Cap for gas tanks, Safety. E. W. Knowlton. 2,489,787, Nov. 29.
 Cap for hearing aids, Receiver. L. E. Medlin. 2,486,534, Nov. 1.
 Cap for picnic jugs or the like, Valved. R. Ferriday, Jr. 2,488,120, Nov. 15.
 Cap for poison containers. F. L. Quiring. 2,487,728, Nov. 8.
 Cap for receptacles, Locking. A. W. Konchan. 2,467,087, Apr. 12.
 Cap for refrigerators, Terminal sealing. W. F. Hines and J. J. Hollwig. 2,476,603, July 19.
 Cap frame. H. Libshutz. 2,475,794, July 12.
 Cap or closure, Bottle. E. Simmons. 2,486,364, Oct. 25.
 Cap remover, Pry off type jar. N. Eastman. 2,473,870, June 21.
 Cap securing device, Bubble. B. C. White. 2,488,249, Nov. 15.
 Cap-securing means. H. D. Weaver. 2,470,226, May 17.
 Cap turning means, Closure. W. B. Johnson. 2,468,757, May 3.
 Capper, Bottle. C. R. Hitchcock. 2,488,912, Nov. 22.
 Capping bottles. W. O. Farrell. 2,485,372, Oct. 18.
 Capacitance device, Variable electronic. E. Labin, A. Leviold, and M. Ziegler. 2,463,632, Mar. 8.
 Capacitance device with auxiliary, Electrical variable. S. R. Montcalm. 2,478,120, Aug. 2.
 Capacitive switch. F. J. Lundberg. 2,485,617, Oct. 25.
 Capacitor. G. D. Kotama and G. M. Ehlers. 2,475,144, July 5.
 Capacitor and dielectric material therefor, Electric. F. M. Clark. 2,475,592, July 12.
 Capacitor and making it, Electrical. R. J. Roush. 2,476,455, July 19.
 Capacitor assembly, Motor starting. G. V. Peck. 2,460,903, Feb. 8.
 Capacitor, Electric. F. M. Clark and G. F. Lipsey. 2,486,116, Oct. 25.
 Capacitor end filling machine. G. J. Kennedy. 2,483,910, Oct. 4.
 Capacitor, Fixed. W. McMahon. 2,470,826, May 24.
 Capacitor, Heat-resisting. F. M. Clark. 2,473,242, June 14.
 Capacitor, High-frequency. C. V. Fields. 2,462,173, Feb. 22.
 Capacitor, High-frequency electric. F. M. Clark. 2,475,310, July 5.
 Capacitor, Mixer tracking. L. J. Lader. 2,488,545, Nov. 22.
 Capacitor, Parallel plate. J. F. Byrne. 2,473,240, June 14.
 Capacitor, Radio-frequency bypass. I. I. Grasheim. 2,492,742, Dec. 27.
 Capacitor, Trimmer. D. B. Keim. 2,464,582, Mar. 15.
 Capacitor with grounded plates mounted on cooling pipes. H. C. Dustman. 2,486,131, Oct. 25.
 Capacitors, Making. F. Weiss. 2,464,627, Mar. 15.
 Capacity responsive system. H. M. Simons. 2,490,238, Dec. 6.
 Capstan. H. V. Dorey and R. F. Symonds. 2,464,493, Mar. 15.
 Capsulating method and apparatus. V. V. Stephenson. 2,471,358, May 24.
 Capsule, Enteric. H. H. Bogin. 2,491,475, Dec. 20.
 Capsules and mixture control device embodying the same, Pressure sensitive. L. S. Greenland. 2,466,415, Apr. 5.
 Capsules, Method and apparatus for the manufacture of. R. W. Gunnell. 2,468,060, Apr. 26.
 Car: See—
 Drop end gondola car. Railway sleeping car.
 Dump car. Refrigerator car.
 Dumping car. Resiliently mounted drop
 Flat bottom gondola car. mine car.
 Railway house car. Sleeping car.
 Railway passenger car. Transfer car.
 Car and dumper, Ingot. W. Faris. 2,467,970, Apr. 19.
 Car body, Double truck mine. K. R. Hammerstrom. 2,473,946, June 21.
 Car construction, Railroad. D. E. Germain. 2,478,187, Aug. 9.
 Car construction, Railway. C. S. Johnston. 2,480,741, Aug. 30.
 Car coupler operating device. S. C. Bronson. 2,480,708, Aug. 30.
 Car door. F. Ditchfield. 2,468,184, Apr. 26.
 Car door and lock therefor. W. A. Beauchamp and T. Madland. 2,483,611, Oct. 4.
 Car door implement, Grain. C. Flagstad. 2,482,845, Sept. 27.
 Car door lock. F. Ditchfield. 2,478,688, Aug. 9.
 Car dumper, Rotary. J. H. Kincaid. 2,467,673, Apr. 19.
 Car end, Railway. A. G. Dean. 2,468,590, Apr. 26.
 Car for mine drills, Tram. W. B. Manning. 2,480,661, Aug. 30.
 Car, Freight. R. R. McKinney. 2,467,681, Apr. 19.
 Car mechanism, Rail flaw detector. H. C. Drake. 2,479,219, Aug. 16.
 Car mover. J. A. Schneider. 2,473,109, June 14.
 Car pit form. C. C. Buebe. 2,458,055, Jan. 4.
 Car top boat rack. C. E. Burkey. 2,479,035, Aug. 16.
 Car unloading system, Tank. O. L. Garretson. 2,487,863, Nov. 15.

- Car washing apparatus with pneumatic brush actuating means and gravity operated brush retracting means. L. D. Holmes. 2,480,735, Aug. 30.
- Car wheel construction for resisting the transmission of vibrations. E. B. Hudson. 2,468,931, May 3.
- Car with dumping body, Freight. H. C. Lima. 2,459,035, Jan. 11.
- Carbalkoxylation of organic compounds. W. P. Bitler, P. Tarsio, and L. Nicholl. 2,478,997, Aug. 16.
- Carbamino salt compound, Producing a. H. J. Gorlica and L. J. Novak. 2,463,963, Mar. 8.
- Carbamyl chlorides, Producing. R. J. Slocombe and E. E. Hardy. 2,480,088, Aug. 23.
- Carbazole, Manufacturing. C. Conover. 2,481,292, Sept. 6.
- Carbazole, Purification of. T. H. Insinger, Jr. 2,464,811, Mar. 22.
- Carbazole, Purification of. B. W. Rottschaefer. 2,459,135, Jan. 11.
- Carbazole, Purification of. W. Swietoslawski. 2,464,833, Mar. 22.
- Carbide compound, Boron. N. J. Buchanan. 2,479,097, Aug. 16.
- Carbine tool. J. J. Bartolat. 2,460,272, Feb. 1.
- Carboalkoxyalkylcarboalkoxy sulfides. L. C. Cheney and J. R. Piening. 2,468,426, Apr. 26.
- Carbohydrate foods resistant to microorganisms, Making. G. H. Coleman and P. A. Wolf. 2,474,227, June 28.
- Carbohydrate-rich foods resistant to microorganisms, Making liquid. G. H. Coleman and P. A. Wolf. 2,474,226, June 28.
- Carbon and the like, Gasifying. A. M. Thomsen. 2,486,582, Nov. 1.
- Carbon arc control. C. J. Murch. 2,469,664, May 10.
- Carbon articles, Glass impregnated. A. L. J. Queneau. 2,482,933, Sept. 27.
- Carbon bisulfide and hydrogen sulfide, Production of. L. Freisman. 2,474,067, June 21.
- Carbon bisulfide, Production of. C. R. Wagner. 2,468,904, May 3.
- Carbon black, Manufacture of. F. H. Amon. 2,479,708, Aug. 23.
- Carbon black, Manufacture of. R. E. Kinney and E. Gorin. 2,458,996, Jan. 11.
- Carbon black, Pelletizing of. R. W. Skoog. 2,480,782, Aug. 30.
- Carbon bodies, Joining. C. D. Greaves and W. D. C. Walker. 2,488,624, Nov. 22.
- Carbon chromium steels, Producing low. H. B. Schulz. 2,458,651, Jan. 11.
- Carbon dioxide, Dehydrating liquid. C. A. Getz. 2,477,737-8, Aug. 2.
- Carbon dioxide from gases, Absorbing. F. H. May. 2,477,636, Aug. 2.
- Carbon disulfide, Production of. A. Belchetz. 2,487,039, Nov. 8.
- Carbon disulfide, Preparation of. R. P. Ferguson. 2,480,639, Aug. 30.
- Carbon disulfide, Preparation of. C. M. Thacker. 2,492,719, Dec. 27.
- Carbon holder. L. K. Fleischmann. 2,465,860-1, Mar. 29.
- Carbon monoxide and hydrogen, Production of. J. A. Phinney. 2,482,866, Sept. 27.
- Carbon monoxide from air and gas mask canister therefor, Removing. J. H. de Boer and J. van Ormondt. 2,478,166, Aug. 2.
- Carbon pack for multiple web typewriting machines. D. G. Dalby. 2,479,156, Aug. 16.
- Carbon paper set. A. F. Becan. 2,467,459, Apr. 19.
- Carbon pile electric regulator. O. C. Walley. 2,488,455, Nov. 15.
- Carbon pile regulator. B. O. Austin and K. A. Oplinger. 2,468,018, Apr. 26.
- Carbon pile regulator. W. G. Neild. 2,481,771-2, Sept. 13.
- Carbon pile regulator. W. J. Rady and L. A. Rice. 2,478,835, Aug. 9.
- Carbon pile regulator. W. J. Rady and L. A. Rice. 2,486,978, Nov. 1.
- Carbon pile regulator. W. A. Reichel. 2,481,782, Sept. 13.
- Carbon powder method of making glass beads. E. P. Davis and H. Helitzer. 2,460,977, Feb. 8.
- Carbon powder method of making glass beads. N. W. Taylor and R. C. Murray. 2,461,011, Feb. 8.
- Carbon remover and metal surface cleaning composition. B. Borus. 2,466,632, Apr. 5.
- Carbon supply device for writing machines. L. Jensen. 2,467,135, Apr. 12.
- Carbon tetrafluoride, Preparation of. A. F. Benning, J. D. Park, and S. E. Krahler. 2,458,551, Jan. 11.
- Carbon, The preparation of. J. H. Simons. 2,458,107, Jan. 4.
- Carbonated beverages, Making and bottling. J. L. Kellogg. 2,478,169, Aug. 9.
- Carbonated water dispenser. W. C. Buttner and H. E. Allshouse. 2,484,779, Oct. 11.
- Carbonating apparatus. S. S. Green and D. Keene. 2,460,004, Jan. 25.
- Carbonating lime and of separating the same from magnesia. W. J. Barrett. 2,485,350, Oct. 18.
- Carbonic acid amides of certain substituted glyoxalidines. M. De Groot and B. Keiser. 2,473,577, June 21.
- Carbonization of filaments, Automatic. G. A. Freeman and J. H. Green. 2,465,864, Mar. 29.
- Carbonization plant. P. Marecaux. 2,478,295, Aug. 9.
- Carbonyl compounds to their corresponding methylene analogues, Reducing. H. Minlon. 2,471,697, May 31.
- Carbonyl deposits, Bonding of metal. A. O. Fink. 2,475,601, July 12.
- Carboxyalkyl ethers of carbohydrate gums. O. A. Moe. 2,477,544, July 26.
- Carboxylic acid arylides, Producing. C. J. Lind and M. Witte. 2,478,114, Aug. 2.
- Carboxylic acids by the reduction of beta lactones, Preparation of. J. R. Caldwell. 2,484,486, Oct. 11.
- Carboxylic aliphatic nitriles, Producing. J. D. Fitzpatrick and L. D. Myers. 2,468,436, Apr. 26.
- Carboxylic substituted aliphatic amines and metallic salts thereof, Producing. F. C. Bersworth. 2,461,519, Feb. 15.
- Carboxy-polyanthrimides, Manufacture of. R. S. Wilder. 2,478,959, Aug. 16.
- Carboxythiophanes and preparing same. B. R. Baker. 2,470,739, May 17.
- Carburetor. J. M. Barr. 2,482,396, Sept. 20.
- Carburetor. L. D. Boyce. 2,481,566, Sept. 13.
- Carburetor. C. W. Brown. 2,470,014, May 10.
- Carburetor. M. C. Brown. 2,472,692, June 7.
- Carburetor. M. E. Chandler. 2,482,401, Sept. 20.
- Carburetor. M. E. Chandler. 2,485,430, Oct. 18.
- Carburetor. P. E. Cummings, Sr. 2,461,411, Feb. 8.
- Carburetor. E. E. Hans. 2,480,853, Sept. 6.
- Carburetor. M. Mallory. 2,464,328, Mar. 15.
- Carburetor. O. Oswald. 2,460,528, Feb. 1.
- Carburetor. J. H. Stresen-Reuter. 2,468,416, Apr. 26.
- Carburetor. J. H. Stresen-Reuter. 2,486,223, Oct. 25.
- Carburetor. F. D. Warburton. 2,462,695-6, Feb. 22.
- Carburetor. W. H. Weber. 2,478,613, Aug. 9.
- Carburetor, Aircraft. G. M. Holley, Jr. 2,465,535, Mar. 29.
- Carburetor, Aircraft. A. W. Orr, Jr. 2,465,550, Mar. 29.
- Carburetor float mechanism. R. M. Heintz. 2,461,274, Feb. 8.
- Carburetor for pulverized coal or the like, Inverted feed. J. B. Rogers. 2,489,980, Nov. 29.
- Carburetor, Liquid fuel. G. Nennich. 2,482,864, Sept. 27.
- Carburetor, Pressure. A. W. Orr, Jr. 2,491,760, Dec. 20.
- Carburetor process for acetylene reactions. H. Beller, R. E. Christ, and F. Wuerth. 2,472,084, June 7.
- Carburetor process for acetylene reactions. H. Beller, R. E. Christ, and F. Wuerth. 2,472,086, June 7.
- Carburetor process for making N-vinyl compounds. H. Beller, R. E. Christ, and F. Wuerth. 2,472,085, June 7.
- Carburetor, Water. H. E. Crozier and A. G. H. Vanderpoel. 2,458,256, Jan. 4.
- Carburization of metals, Selective. F. D. Waterfall. 2,485,176, Oct. 18.
- Carburizing compacted iron articles. L. F. Whitney. 2,489,839, Nov. 29.
- Card and bib, Combination greeting. T. G. Mack. 2,461,430, Feb. 8.
- Card and envelope assembly, Greeting. A. Sugar. 2,491,227, Dec. 13.
- Card and package, Display. S. R. Gittens. 2,471,321, May 24.
- Card, Button. J. J. Hellman. 2,472,532, June 7.
- Card feeding mechanism for accounting machines. E. A. Ford. 2,464,569, Mar. 15.
- Card for bingo or lotto games, Indicator. H. Heyman. 2,470,310, May 17.
- Card for direct and sequence sorting. A. A. Rembold. 2,480,156, Dec. 6.
- Card for testing the color sense of the human eye. C. F. Shepard. 2,464,001, Mar. 8.
- Card holder. W. B. Temple. 2,487,835, Nov. 15.
- Card, Merchandise display. M. Loeb. Re. 23,088, Mar. 8.
- Card, Motion-picture. F. Voges. 2,492,906, Dec. 27.
- Card punching machine, Automatic. W. D. Ward. 2,465,300, Mar. 22.
- Card, Record. R. Connor. 2,460,378, Feb. 1.
- Card stripping mechanism, Pneumatic. C. E. White. 2,464,425, Mar. 15.
- Carding machine attachment. R. H. von Liedtke. 2,468,279, Apr. 26.
- Carding machine, Hard fiber. B. G. H. van der Jagt. 2,464,009, Mar. 8.
- Carding method and machine. S. Wilkinson. 2,478,799, Aug. 9.
- Cards, Playing. J. W. Libby. 2,467,044, Apr. 12.
- Cargo and combat pack. J. W. Cull and E. Nilsson. 2,461,526, Feb. 15.
- Cargo handling apparatus. N. P. E. Andersen. 2,490,609, Dec. 6.
- Cargo lashing. M. S. Harris. 2,490,434, Dec. 6.
- Carload bracing spur cleat. W. T. Peyton. 2,461,767, Feb. 15.
- Carotene composition and preparing solutions of carotene. M. L. Hartmann and H. M. Barnett. 2,477,928, Aug. 2.
- Carotene concentrate, Preparation of. W. Lange and R. G. Folzenlogen. 2,484,040, Oct. 11.
- Carotene, Stabilizing. E. B. Hart and A. W. Halverson. 2,491,495, Dec. 20.
- Carotenoid concentrates from palm oil, Preparing. E. W. Eckey. 2,460,796, Feb. 1.

- Carpet laying instruction apparatus. J. R. Pollard. 2,465,743, Mar. 29.
- Carpet strip with a sponge rubber backing and making same. Pile. A. T. Dildilian. 2,480,004, Aug. 23.
- Carriage. G. E. Burcher, Jr. 2,471,558, May 31.
- Carriage and mechanism for reciprocating it, Reciprocable. H. W. Springer. 2,488,345, Nov. 15.
- Carriage and the like, Collapsible baby. A. M. Boudreau. 2,467,579, Apr. 19.
- Carriage and the like, Foldable baby. G. H. S. Holmström. 2,468,495, Apr. 26.
- Carriage, Baby. A. B. Ostby. 2,468,271, Apr. 26.
- Carriage, Bed. F. L. Hunter. 2,480,025, Aug. 23.
- Carriage, Collapsible. L. Cooklin and T. R. Hollis. 2,463,247, Mar. 1.
- Carriage, Collapsible baby. A. G. Goldberg. 2,480,570, Aug. 30.
- Carriage, Collapsible child's. G. A. Stackhouse. 2,457,935, Jan. 4.
- Carriage, Folding. J. Reese and W. C. Troendle. 2,469,475, May 10.
- Carriage, Folding doll. A. Murf. 2,464,647, Mar. 15.
- Carriage for hoisting towers, Bucket. H. A. Wagner and G. H. Wagner. 2,481,266, Sept. 6.
- Carriage for trucks. J. P. Silva. 2,484,754, Oct. 11.
- Carriage, Spike setter. K. and R. Kershaw. 2,481,483, Sept. 13.
- Carriage, Steerable infant's. W. C. Troendle. 2,471,985, May 31.
- Carrier: See—
- Airplane cargo carrier.
 - Article carrier.
 - Automobile top carrier.
 - Baby carrier.
 - Bottle carrier.
 - Carton carrier.
 - Clothesline carrier.
 - Collapsible carrier.
 - Collapsible luggage carrier.
 - Collapsible motor carrier.
 - Collapsible parcel carrier.
 - Container carrier.
 - Detachable wheel golf club carrier.
 - Driving wheel carrier.
 - Folding clothesbasket carrier.
 - Golf club carrier.
 - Hat carrier.
 - Ink ribbon carrier.
 - Luggage carrier.
 - Motorcar carrier.
 - Overhead traveling carrier.
 - Pivoted counterbalanced car top carrier.
 - Rocket carrier.
 - Spare tire and wheel carrier.
 - Stack carrier.
 - Textile thread carrier.
 - Tire-wheel or tire-rim assembly carrier.
 - Ventilated slide carrier.
 - Wheeled carrier.
 - Wheeled golf bag carrier.
- Carrier adapted to be wheeled to market, Collapsible. J. Salat. 2,468,604, Apr. 26.
- Carrier and bookmark, Float leaf. L. A. Minton. 2,490,147, Dec. 6.
- Carrier and conditioner, Cravat. P. W. Hall. 2,488,973, Nov. 22.
- Carrier and conveyance, Shopper's combination. S. E. Bourne. 2,459,865, Jan. 25.
- Carrier and cord cutting device, Package. J. Alexander. 2,457,858, Jan. 4.
- Carrier and display pen, Combination animal. J. Powels. 2,470,223, May 17.
- Carrier applied to car tops. A. A. Bjork. 2,480,353, Aug. 30.
- Carrier attachment for automobiles. H. V. Hyatt. 2,464,979, Mar. 22.
- Carrier attachment, Motorcycle. R. Shephard. 2,491,062, Dec. 13.
- Carrier bag. H. C. Orchard. 2,491,929, Dec. 20.
- Carrier case. S. Marcus, and E. J. Anton. 2,492,807, Dec. 27.
- Carrier for aircraft, Releasable load. H. Sonntag. 2,478,019, Aug. 2.
- Carrier for automobiles, Boat. G. C. Guest. 2,470,848, May 24.
- Carrier for bottles or like articles. V. Fortunato. 2,491,039, Dec. 13.
- Carrier for kite strings, Article. T. L. Baskin, Jr. 2,469,449, May 10.
- Carrier for minnows, Water. L. L. Roe. 2,489,818, Nov. 29.
- Carrier for outboard motors, Collapsible. G. H. Binz. 2,484,677, Oct. 11.
- Carrier for pneumatic dispatch systems. W. F. Grover. 2,491,729, Dec. 20.
- Carrier for tractors, Tool. J. E. Hearron. 2,492,573, Dec. 27.
- Carrier for tunnel forms. L. J. Sarosdy. 2,486,801, Nov. 1.
- Carrier for velocipedes, Article. L. Rhoer. 2,492,595, Dec. 27.
- Carrier operating mechanism, Wrapper. J. F. Halstead. 2,471,389, May 24.
- Carrier shift keyer. H. W. Johnson. 2,482,112, Sept. 20.
- Carrier signal receiver, Frequency-modulated. H. A. Wheeler. 2,488,359, Nov. 15.
- Carrier system, Frequency shift. G. J. Maki. 2,463,402, Mar. 1.
- Carrier wave system employing multiple modulation, Multichannel. G. H. Bast. 2,489,361, Nov. 29.
- Carrier with angularly adjustable platform, Tire-wheel. K. C. Clark. 2,479,155, Aug. 16.
- Carrier with density comparison scale, Negative. D. L. Butler. 2,460,060, Jan. 25.
- Carrier with portable stand for order delivery to fast trains, Dispatch. Le R. J. Fowler. 2,492,854, Dec. 27.
- Carrotting machine, Fur. W. L. Braun. 2,479,466, Aug. 16.
- Carrousel. J. H. and M. E. Decker. 2,469,498, May 10.
- Carry device. R. L. Palmer and B. E. Phelps. 2,484,115, Oct. 11.
- Carrying case and stand therefor, Combined. W. G. Tulowiecki. 2,481,264, Sept. 6.
- Carrying device for fishhooks. E. E. Gregory. 2,481,586, Sept. 13.
- Carrying device, Infant. C. W. Clemens, Jr. 2,468,588, Apr. 26.
- Carrying out condensation reactions. C. Weizmann. 2,474,175, June 21.
- Carrying out coupling reactions. W. Widmer and H. Mayer. 2,475,265, July 5.
- Cart and spreader, Combined. A. J. Pierson and J. E. Manning. 2,465,117, Mar. 22.
- Cart, Collapsible. G. Martin. 2,475,797, July 12.
- Cart, Collapsible golf-bag. T. A. Hutsell. 2,471,751, May 31.
- Cart, Collapsible hamper. R. W. Zajicek. 2,492,676, Dec. 27.
- Cart, Collapsible portable. S. G. Zuckerman. 2,471,553, May 31.
- Cart, Folding. H. J. David and M. Zausner. 2,472,407, June 7.
- Cart, Folding shopping. W. Yaszay and I. Barkan. 2,483,958, Oct. 4.
- Cart for masonry saws, Conveyer. N. C. Coates. 2,464,117, Mar. 8.
- Cart for tricycles, Attachable. J. Chovan. 2,475,177, July 5.
- Cart, Garden. W. and M. J. Stelzer. 2,461,353, Feb. 8.
- Cart, Golf bag. R. L. F. McDonald. 2,482,018, Sept. 13.
- Cart, Retractable golf bag. R. S. Trimmer. 2,470,272, May 17.
- Cart, Tricycle. J. J. Sternad. 2,459,249, Jan. 18.
- Cart, Utility. G. W. Coakley. 2,475,278, July 5.
- Cart with hydraulic lift, Straddle-type log handling. T. A. Dowd. 2,472,197, June 7.
- Cart with load fastener, hand. S. E. Nielsen. 2,481,145, Sept. 6.
- Carton: See—
- Dispensing carton.
 - Knockdown carton.
- Carton. W. H. Arthur. 2,479,456, Aug. 16.
- Carton. K. T. Buttery. 2,472,516, June 7.
- Carton. E. Chelinski. 2,486,554, Nov. 1.
- Carton. J. W. Cox. 2,479,213, Aug. 16.
- Carton. R. M. Dunning. 2,481,405, Sept. 6.
- Carton. F. C. Gluck. 2,474,783, June 28.
- Carton. E. Guyer. 2,474,476, June 28.
- Carton. W. H. Inman. 2,490,133, Dec. 6.
- Carton. B. A. Rafoth. 2,475,294, July 5.
- Carton. J. A. Zinn, Jr. 2,464,065, Mar. 8.
- Carton and secondary closure therefor. G. S. Vivian. 2,470,199, May 17.
- Carton, Bottle. M. A. Riley and D. C. McClelland. 2,462,676, Feb. 22.
- Carton carrier. A. W. King. 2,489,295, Nov. 29.
- Carton closing machine. J. W. Binsack. 2,462,460, Feb. 22.
- Carton, Collapsible. D. Golden. 2,484,085, Oct. 11.
- Carton cutter. E. C. Willis. 2,486,900, Nov. 1.
- Carton, Display. R. M. Lobell. 2,476,102, July 12.
- Carton end structure, Sealed reclosable. M. I. Williamson. 2,465,949, Mar. 29.
- Carton, Folding. F. C. Shina. 2,468,123, Apr. 26.
- Carton for ink bottles. R. Chelinski. 2,481,571, Sept. 13.
- Carton for paper rolls, Dispensing. F. C. Gluck. 2,463,375, Mar. 1.
- Carton for radio tubes and the like. V. D. Goodwin. 2,473,582, June 21.
- Carton forming machine. J. A. Zinn, Jr., and M. J. Wilson. 2,480,177, Aug. 30.
- Carton handling apparatus. W. J. Cupo. 2,485,040, Oct. 18.
- Carton having reclosable pouring spout, Folding. W. A. Ringler. 2,475,677, July 12.
- Carton, Hot food. B. O. Kuehlhorn. 2,486,178, Oct. 25.
- Carton, Molded pulp. J. W. Cox. 2,466,579, Apr. 5.
- Carton, Reclosable. F. C. Shina. 2,473,492, June 14.
- Carton, Reclosing. R. Guyer. 2,473,055, June 14.
- Carton, Seal-end. W. A. Ringler. 2,491,278, Dec. 13.
- Carton, Shipping. J. C. Stetson. 2,483,481, Oct. 4.
- Carton, Triple-edge reclosing. R. Guyer. 2,474,523, June 28.
- Carton with multiply bottom, Sealable. J. R. Belsinger. 2,483,174, Sept. 27.
- Carton with strong end closures, Tubular. W. A. Ringler. 2,492,12, Dec. 27.
- Cartons, Filling and closing. D. E. Marshall, S. R. Howard and F. R. Clark. 2,480,587, Aug. 30.
- Cartons, Method and apparatus for producing. S. Bergstein. 2,472,883, June 14.
- Cartoon, Animated. J. Carroll. 2,472,191, June 7.
- Cartridge. R. R. Studler, S. Feitman, and C. E. Balleisen. 2,482,132, Sept. 20.
- Cartridge belt link. A. F. Gaidos. 2,472,817, June 14.
- Cartridge case. E. C. Fletcher. 2,461,539, Feb. 15.
- Cartridge case extractor. G. B. Neidhardt. 2,462,889, Mar. 1.
- Cartridge case manufacture, Steel. C. C. Fawcett, H. Markus, and G. E. Hirt. 2,462,851, Mar. 1.

- Cartridge case rim gauge. D. F. Windnagle. 2,465,182, Mar. 22.
- Cartridge clip. E. C. Pickron. 2,472,678, June 7.
- Cartridge, Desiccator. F. P. Morf. 2,471,442, May 31.
- Cartridge extractor. J. L. Gorichan. 2,489,285, Nov. 29.
- Cartridge extractor construction for firearms. T. R. Robinson, Jr. 2,465,553, Mar. 29.
- Cartridge feeding means for automatic firearms. G. Webb. 2,467,571, Apr. 19.
- Cartridge feeding mechanism. A. Corte. 2,466,578, Apr. 5.
- Cartridge, Film. B. C. Roehrl. 2,484,248, Oct. 11.
- Cartridge, Film. B. C. Roehrl. 2,487,479, Nov. 8.
- Cartridge for mortar shells, Propellant. M. J. Standal. 2,466,561, Apr. 5.
- Cartridge for plaster shooting, Explosive. S. H. Davidson. 2,487,317, Nov. 8.
- Cartridge for trap guns. R. H. Moen and H. R. Graybill. 2,480,593, Aug. 30.
- Cartridge launcher, Multiple. C. N. Hickman. 2,485,601, Oct. 25.
- Cartridge magazine with pivoted cover. C. Pelo. 2,488,233, Nov. 15.
- Cartridge, Orifice. W. A. Ray. 2,464,942, Mar. 22.
- Cartridge, Packing. G. R. Tremolada. 2,485,940, Oct. 25.
- Cartridge, Toy gun. K. C. Ream. 2,482,436, Sept. 20.
- Cartridge transfer mechanism for magazine firearms. V. A. Browning. 2,480,074, Aug. 23.
- Cartridge, Waterproof explosive. A. W. Baker. Re. 23,102, Apr. 26.
- Cascade phosphor screen. F. H. Nicoll. 2,476,619, July 19.
- Case: See—
- Automatic key case.
- Battery case.
- Carrier case.
- Cartridge case.
- Cigarette and cigar case.
- Cigarette and match case.
- Cigarette case.
- Collapsible shipping case.
- Combination bag and spectacle case.
- Combined spectacle, memorandum, and accessories case.
- Complete cigarette case.
- Convertible easel case.
- Dispensing cigarette case.
- Emergency key case.
- Engine shipping case.
- Illuminated case.
- Illuminated vanity case.
- Key case.
- Lipstick case.
- Magazine lipstick case.
- Case and atomizer, Vanity. S. Hutt and R. H. Symonds. 2,469,267, May 3.
- Case and ejector, Cigarette. G. Kessel. 2,489,647, Nov. 29.
- Case and lighter, Combined cigarette. H. E. Musselman and W. H. Buck. 2,460,427, Feb. 1.
- Case and making same, Spectacle. E. Nathan. 2,482,500, Sept. 20.
- Case and memorandum pad, Pocket. D. J. Broughton. 2,467,656, Apr. 19.
- Case and shear, Cigarette. J. C. Dunn. 2,491,958, Dec. 20.
- Case and table, Combined carrying. O. E. Fenske, Jr. 2,473,022, June 14.
- Case and the like, Vanity. W. Jacobus. 2,461,421, Feb. 8.
- Case construction, Display. E. L. Clouse and A. Vanderveld. 2,475,079, July 5.
- Case construction, Display. A. Vanderveld. 2,463,128, Mar. 1.
- Case filling machine. C. H. Neer. 2,462,888, Mar. 1.
- Case for bottles and the like, Holding. D. P. Reynolds. 2,467,698, Apr. 19.
- Case for bottles, Combined shipping and display. F. C. McKinley. 2,459,333, Jan. 18.
- Case for circle saws. A. R. Segal. 2,459,460, Jan. 18.
- Case for containing a coat hanger, shoe box, and supports for small personal articles, Garment. B. C. Titus. 2,458,116, Jan. 4.
- Case for fishing rods and the like, Enclosing. G. N. Tutton. 2,473,977, June 21.
- Case for lipstick, rouge, and the like products. G. A. J. Bezault. 2,480,539, Aug. 30.
- Case for men's suits and women's dresses on hangers, Wardrobe. S. L. Kleber. 2,461,216, Feb. 8.
- Case for ophthalmic mountings. H. F. Huttemeyer. 2,478,269, Aug. 9.
- Case for outboard motors. D. E. Haven. 2,475,135, July 5.
- Case for portable sewing machines. R. C. Robert. 2,479,725, Aug. 23.
- Case for red lip-salve sticks, Automatically operated. N. Zakarian. 2,487,505, Nov. 8.
- Case having a combined hat retainer and partition hold-down, Traveling. J. Schneider. 2,479,269, Aug. 16.
- Case having divided fabric cover and extensible support for garment hangers, Traveling. A. C. Tucker. 2,476,932, July 19.
- Case with clip fastener, Cigarette. C. W. Rosenbarger. 2,472,344, June 7.
- Case with sight openings, Eyeglass. T. E. Weaver. 2,461,792, Feb. 15.
- Casehardening composition. P. M. Leininger. 2,492,805, Dec. 27.
- Case having link-supported trays, Carrying. O. Gold. 2,491,374, Dec. 13.
- Casing, Adjustable window. F. Cervellone. 2,460,677, Feb. 1.
- Casing, Artificial. F. H. Reichel. 2,492,441, Dec. 27.
- Casing, Battery. H. A. Williams. 2,488,360, Nov. 15.
- Casing, Food. R. K. Remer. 2,477,767, Aug. 2.
- Casing for card registers of the horizontal type. V. Duspiva. 2,479,735, Aug. 23.
- Casing for consumable elements, Detachable. L. L. Marsh. 2,465,597, Mar. 29.
- Casing for electrical measuring devices with atmospheric conditioner. E. G. Ratz. 2,476,909, July 19.
- Casing for shoe machines. E. Hope. 2,486,528, Nov. 1.
- Casing for spools of photographic film and assembled film cartridges. O. A. Nebel. 2,476,996, July 26.
- Casing for upright pianos. W. Zaiser. 2,486,354, Oct. 25.
- Casing head. G. D. Johnson. 2,469,772, May 10.
- Casing head. A. J. Penick. 2,460,238, Jan. 25.
- Casing heads, Testing. C. Hansen. 2,478,628, Aug. 9.
- Casing landing head. D. U. Shaffer and F. J. Schweitzer, Jr. 2,471,658, May 31.
- Casing structure, Hinged. P. J. Graham. 2,474,311, June 28.
- Casing, Submerged booster pump shutoff. J. A. Compton. 2,479,210, Aug. 16.
- Casing, Valve. J. F. Melichar. 2,459,668, Jan. 18.
- Casing with flexible card slot closure, Recorder. A. E. Rockwood. 2,486,063, Oct. 25.
- Casing with pushbutton valve for air depolarized cells. J. C. Derksen. 2,468,430, Apr. 26.
- Casings from meat products, Removal of. R. H. Deitrickson. 2,463,157, Mar. 1.
- Casings, Processing. T. R. Ernest. 2,460,077, Jan. 25.
- Casein by solvent extraction, Production of devitaminized. S. M. Weisberg and J. Greenspan. 2,477,505, July 26.
- Casein, Purifying. R. J. Block and H. W. Howard. 2,468,730, May 3.
- Cashbox. A. Brandes. 2,465,057, Mar. 22.
- Casket table for automobiles, Collapsible. R. G. Peterson. 2,460,712, Feb. 1.
- Cast core clamp. A. F. Mittermaier. 2,467,218, Apr. 12.
- Cast ferrous alloy. K. D. Millis, A. P. Gagnebin, and N. B. Pilling. 2,485,760, Oct. 25.
- Cast iron. H. Morrogh. 2,488,512, Nov. 15.
- Cast-iron pipe. M. Kuniansky. 2,490,818, Dec. 13.
- Cast iron, Production of white. H. Morrogh. 2,488,513, Nov. 15.
- Cast irons and the manufacture thereof, Nodular. H. Morrogh. 2,488,511, Nov. 15.
- Cast positioner, Mandibular. V. K. Frowine. 2,461,207, Feb. 8.
- Cast refractory products. T. E. Field. 2,467,122, Apr. 12.
- Castanet and tambourine, Combined. C. Di Angelo. 2,472,408, June 7.
- Caster. H. P. Andresen. 2,458,922, Jan. 11.
- Caster. V. Milich. 2,490,879, Dec. 13.
- Caster. C. R. Nalle. 2,465,742, Mar. 29.
- Caster. W. F. Schacht. 2,461,778, Feb. 15.
- Caster. G. F. Shepherd. 2,484,189, Oct. 11.
- Caster. O. L. Snyder. 2,472,686, June 7.
- Caster. W. H. Stewart. 2,467,603, Apr. 19.
- Caster and camber gauge. G. H. Vigneron. 2,488,043, Nov. 15.
- Caster brake. A. H. Jackson. 2,484,094, Oct. 11.
- Caster, Compound swivel. P. D. Babcock. 2,478,035, Aug. 2.
- Caster device for furniture, Elevating. W. C. Halley. 2,464,503, Mar. 15.
- Caster guard. N. T. Shepherd. 2,483,241, Sept. 27.
- Caster, Knock down. J. W. Montgomery, Sr. 2,461,652, Feb. 15.
- Caster, Live bait. J. M. Burrous. 2,475,736, July 12.
- Caster mounting and control means for landing wheels of aircraft. G. R. Urquhart, Jr. 2,490,560, Dec. 6.
- Caster, Trailer. S. R. Du Brie. 2,470,978, May 24.
- Caster, Trailer. T. Hamilton. 2,468,627, Apr. 26.
- Caster, Trailing. J. M. Vallone and C. Sedita. 2,480,524, Aug. 30.
- Castering means for aircraft landing means. B. W. King. 2,477,881, Aug. 2.
- Casting. J. Gombosh. 2,461,052, Feb. 8.
- Casting. O. F. Parsons. 2,458,410, Jan. 4.
- Casting. G. A. Rubissow. 2,466,277, Apr. 5.
- Casting and fishing mechanism. E. Fornas. 2,479,484, Aug. 16.
- Casting apparatus. N. Lester. 2,475,396, July 5.
- Casting apparatus, Ingot. W. A. Saylor. 2,475,805, July 12.
- Casting apparatus, Metal. S. L. Palmer and L. M. Beckes. 2,459,892, Jan. 25.
- Casting compositions comprising methyl methacrylate and glycol dimethacrylates. B. M. Marks. 2,465,094, Apr. 26.
- Casting, Curb inlet. De W. S. Crocker. 2,473,279, June 14.
- Casting, Dental. H. Freedman. 2,487,048, Nov. 8.

- Casting, forging, and heat-treating cast iron grinding balls. M. R. Nelson. 2,462,122, Feb. 22.
- Casting hollow metal shapes, Continuously. A. J. Phillips and J. S. Smart, Jr. 2,466,612, Apr. 5.
- Casting machine. B. S. Carpenter. 2,483,808, Oct. 4.
- Casting machine, Ball. W. C. Brinton. 2,486,388, Nov. 1.
- Casting machine, Centrifugal. R. E. Christian and A. W. Widerstedt. 2,472,246, June 7.
- Casting machine, Centrifugal. J. Frei, Jr. 2,479,610, Aug. 23.
- Casting machine, Centrifugal strip. F. H. Wuetig. 2,477,030, July 26.
- Casting machine, Dental. A. F. Miskunas. 2,487,937, Nov. 15.
- Casting machine, Die. E. A. Glynn. 2,478,657, Aug. 9.
- Casting machine for lining bearings. W. H. Tobener, Jr. 2,473,481-2, June 14.
- Casting mold. R. C. Feagin. 2,491,096, Dec. 13.
- Casting of glass bushings, Centrifugal. D. F. De Vine. 2,478,624, Aug. 9.
- Casting of metal tubes, Method and apparatus for the continuous. I. Rossi. 2,473,221, June 14.
- Casting process. W. S. Rice. 2,480,048, Aug. 23.
- Casting solution, Polyvinyl alcohol. G. W. Brant. 2,491,642, Dec. 20.
- Casting solutions of ethyl cellulose, Preparing. J. H. Prichard. 2,468,232, Apr. 26.
- Casting solutions, Preparing. J. H. Prichard. 2,468,233, Apr. 26.
- Casting target. L. I. Fincke. 2,482,057, Sept. 13.
- Castor oil, Mineral. R. A. Swenson and A. W. Weitkamp. 2,458,034, Jan. 4.
- Castor oil, Modifying. M. Agster and R. L. Terrill. 2,484,328, Oct. 11.
- Castor oils, Solvent extraction of. M. W. Pascal. 2,467,403, Apr. 19.
- Catalysis. J. R. Bates. 2,461,104, Feb. 8.
- Catalysis. H. A. Shabaker. 2,489,334, Nov. 29.
- Catalyst absorption. E. K. Jones. 2,459,531, Jan. 18.
- Catalyst and process for hydrocarbon conversion. J. R. Bates. 2,463,508, Mar. 8.
- Catalyst chamber, Heated. H. R. Legatski. 2,463,115, Mar. 1.
- Catalyst complexes and their preparation, Friedel-Crafts type. C. A. Kraus and J. D. Calfee. 2,491,116, Dec. 13.
- Catalyst complexes for alkylation processes. R. W. Dornte and D. W. Young. 2,477,290, July 26.
- Catalyst composite of silica-alumina gel on acid-treated clay, Preparation of a. H. A. Shabaker and T. H. Milliken, Jr. 2,489,333, Nov. 29.
- Catalyst comprising dispersed alkali metal and alkali metal mercaptide and polymerization process employing said catalyst. W. W. Crouch. 2,483,887, Oct. 4.
- Catalyst comprising dispersed alkali metal and carbon black and polymerization process employing said catalyst. W. W. Crouch. 2,483,886, Oct. 4.
- Catalyst feeder. L. W. Omwake. 2,489,925, Nov. 29.
- Catalyst for acid curing thermosetting resins. M. J. Scott. 2,467,915, Apr. 19.
- Catalyst for carbon monoxide-hydrogen synthesis. H. S. Seelig and J. Zisson. 2,480,341, Aug. 30.
- Catalyst for cracking hydrocarbons. L. B. Ryland and M. Tamele. 2,469,314, May 3.
- Catalyst for hydrocarbon conversion process. E. T. Layng. 2,487,563, Nov. 8.
- Catalyst for reduction of oxides of carbon with hydrogen. M. A. Segura. 2,476,920, July 19.
- Catalyst for use in hydroforming of naphthas, Conditioning a. A. B. Welty, Jr., and C. H. Holder. 2,459,480, Jan. 18.
- Catalyst gels. V. Voorhees. 2,459,903, Jan. 25.
- Catalyst particles having nuclei of previously calcined fines, Preparing. C. E. Hemminger. 2,481,841, Sept. 13.
- Catalyst preparation. J. B. Hunter. 2,477,373, July 26.
- Catalyst preparation. C. J. Wernlund. 2,482,308, Sept. 20.
- Catalyst process for the conversion of hydrocarbons, Fluid. M. J. Wilcox and R. E. Hall. 2,471,085, May 24.
- Catalyst, Process utilizing moving solid. J. D. Upham. 2,459,474, Jan. 18.
- Catalyst purification. L. I. Griffin, Jr. 2,487,867, Nov. 15.
- Catalyst quality by magnetic separation. H. J. Ogorzaly. 2,471,078, May 24.
- Catalyst recovery in hydrocarbon synthesis processes. M. A. Segura. 2,479,420, Aug. 16.
- Catalyst regeneration process, Solid bed. F. C. Neuhart. 2,461,838, Feb. 15.
- Catalyst regenerator and recovery apparatus. W. E. Hulsberg. 2,462,193, Feb. 22.
- Catalyst stripping. W. H. Borchering. 2,490,993, Dec. 13.
- Catalyst treatment of gaseous hydrocarbons, Solid. D. W. Young. 2,458,818, Jan. 11.
- Catalyst vessel. O. R. Boninger. 2,483,178, Sept. 27.
- Catalysts for oxidizing furfural and preparation thereof. E. R. Nielsen. 2,464,825, Mar. 22.
- Catalysts for polymerizing olefins. M. J. Roedel. 2,462,678, Feb. 22.
- Catalysts from product streams, Removal of soluble. E. H. Amick, Jr. 2,471,054, May 24.
- Catalysts, Manufacture of. G. M. Webb and M. A. Smith. 2,463,072, Mar. 1.
- Catalysts of the silica-alumina type, Production of. C. C. Chapman and H. V. Hendrix. 2,470,142, May 17.
- Catalytic acylation of aromatic compounds. R. B. Thompson. 2,483,566, Oct. 4.
- Catalytic acylation of phenyl alkyl ethers. H. D. Hartough and A. I. Kosak. 2,475,564, July 5.
- Catalytic acylation of phenyl alkyl ethers. A. I. Kosak and H. D. Hartough. 2,475,567, July 5.
- Catalytic alkylation. G. C. Johnson and B. W. Rope. 2,469,335, May 3.
- Catalytic amidization process. P. W. Garbo. 2,460,002, Jan. 25.
- Catalytic article, Producing a. C. J. Wernlund. 2,465,773, Mar. 29.
- Catalytic bleaching with chlorites. R. M. Levy and J. E. Brennan. 2,477,631, Aug. 2.
- Catalytic condensation of phenols with monocyclic dihydroterpenes. A. L. Rummelsburg. 2,471,454, May 31.
- Catalytic contacting apparatus. E. J. Luetzelshwab. 2,491,618, Dec. 20.
- Catalytic conversion. J. H. Hirsch and K. E. Cody. 2,464,810, Mar. 22.
- Catalytic conversion, Method and apparatus for. J. M. Page, Jr. 2,488,027, Nov. 15.
- Catalytic conversion of carbon oxides. C. W. Watson. 2,486,894-5, Nov. 1.
- Catalytic conversion of fluid reactants. C. H. Angell. 2,487,961, Nov. 15.
- Catalytic conversion of hydrocarbon oil. du B. Eastman. 2,491,303, Dec. 13.
- Catalytic conversion of hydrocarbons. A. Belchetz. 2,491,407, Dec. 13.
- Catalytic conversion of hydrocarbons. G. A. Mills. 2,485,626, Oct. 25.
- Catalytic conversion of hydrocarbons. G. A. Mills. 2,487,824, Nov. 15.
- Catalytic conversion of hydrocarbons. P. G. Nahin and H. C. Huffman. 2,486,361, Oct. 25.
- Catalytic conversion of hydrocarbons and apparatus therefor. E. A. Johnson. 2,488,032, Nov. 15.
- Catalytic conversion of hydrocarbons, Fluidized. M. J. Wilcox and R. E. Hall. 2,471,084, May 24.
- Catalytic conversion of hydrocarbons, Method and apparatus for. H. D. Trotter. 2,487,743, Nov. 8.
- Catalytic conversion of hydrocarbons, Process and apparatus for the. F. R. Fisher. 2,491,099, Dec. 13.
- Catalytic conversion process. W. D. Seyfried. 2,475,993, July 12.
- Catalytic conversion process and apparatus therefor. F. W. Scheineman. 2,488,028, Nov. 15.
- Catalytic conversion process, Fluidized. F. W. Scheineman. 2,488,030, Nov. 15.
- Catalytic conversion system. R. C. Gunness. 2,488,031, Nov. 15.
- Catalytic conversion system. E. A. Johnson. 2,464,812, Mar. 22.
- Catalytic conversion system. E. A. Johnson. 2,488,033, Nov. 15.
- Catalytic conversion system. F. W. Scheineman. 2,488,029, Nov. 15.
- Catalytic cracking and desulfurization of hydrocarbons, Simultaneous. M. M. Marisic, A. C. Schmitt, and F. C. Frank. 2,461,069, Feb. 8.
- Catalytic cracking of residual hydrocarbons. J. Delattre-Seguy. 2,488,713, Nov. 22.
- Catalytic crystallization of magnesium oxide. L. W. Austin, J. C. Hicks, and C. A. Rick. 2,487,290, Nov. 8.
- Catalytic dealkylation of alkylated compounds. C. W. Montgomery and W. A. Horne. 2,470,712, May 17.
- Catalytic dehydrogenation. F. E. Frey. 2,465,016, Mar. 22.
- Catalytic dehydrogenation of hydrocarbons. W. A. Schulze and J. C. Hillyer. 2,485,927, Oct. 25.
- Catalytic dehydrogenation of olefinic hydrocarbons while maintaining the potassium content of the catalyst. E. H. Oliver and C. F. Van Berg. 2,459,449, Jan. 18.
- Catalytic dehydrogenation of piperazine. J. K. Dixon. 2,474,782, June 28.
- Catalytic desulfurization of hydrocarbons. P. G. Nahin. 2,487,466, Nov. 8.
- Catalytic hydrocarbon conversion. K. L. Mills, Jr. 2,485,906, Oct. 25.
- Catalytic hydrocarbon conversion. J. R. Owen. 2,483,929, Oct. 4.
- Catalytic hydrocarbon conversions. E. F. Schwarzenbek and J. W. Moorman. 2,464,616, Mar. 15.
- Catalytic hydrogenation of cellulose to produce oxygenated compounds. H. H. Gurkan. 2,488,722, Nov. 22.
- Catalytic hydrogenation of naphthalenes. M. H. Gwynn. 2,481,921, Sept. 13.
- Catalytic hydrogenation of triisobutylene. R. C. Brandon. 2,461,959, Feb. 15.
- Catalytic hydrolysis of unsaturated halides. G. H. van de Griendt and L. M. Peters. 2,475,364, July 5.
- Catalytic intercondensation of monoolefins. W. V. Freed. 2,492,693, Dec. 27.
- Catalytic isomerization of olefinic hydrocarbons. M. J. Murray. 2,487,978, Nov. 15.
- Catalytic oil cracking with air. C. J. Helmers. 2,476,729, July 19.
- Catalytic oxidation of hydrocarbons. G. W. Hearne and M. L. Adams. 2,486,842, Nov. 1.

- Catalytic oxidation of hydrocarbons. M. E. Nash. 2,478,776, Aug. 9.
- Catalytic oxidation of sorbose derivatives. N. R. Trenner. 2,483,251, Sept. 27.
- Catalytic partial oxidation process. L. K. Beach and G. C. Connolly. 2,471,853, May 31.
- Catalytic polymerization of allyl esters. E. C. Shokal and F. A. Bent. 2,475,296-7, July 5.
- Catalytic polymerization of allyl esters. R. Whetstone. 2,476,936, July 19.
- Catalytic process for the acylation of thiophenes, Continuous. J. Kellett, III, and H. E. Rasmussen. 2,453,514, Jan. 11.
- Catalytic process for the preparation of acrylic acid nitrile. P. Kurtz. 2,486,659, Nov. 1.
- Catalytic production of ketene from acetic acid. P. C. E. J. Corbiere. 2,483,883, Oct. 4.
- Catalytic production of oxo-carbonyl compounds. G. M. Whitman. 2,462,448, Feb. 22.
- Catalytic reaction apparatus. H. F. Peters. 2,475,855, July 12.
- Catalytic reactions, Carrying out. R. A. Beck, and E. E. SENSEL. 2,492,349, Dec. 27.
- Catalytic reactor. J. P. Tomany. 2,492,407, Dec. 27.
- Catalytic system, Continuous. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,471,398, May 24.
- Catalytic vapor phase hydration of ethylene. S. P. Robinson. 2,486,980, Nov. 1.
- Catapult. C. L. Paulus. 2,489,315, Nov. 29.
- Catapult Plane-landing. M. F. Jones. 2,484,230, Oct. 11.
- Catch. B. C. Roehrl. 2,475,154, July 5.
- Catch. R. A. Stone. 2,472,498, June 7.
- Catch. R. A. Stone. 2,473,181, June 14.
- Catch construction for ironing tables. O. A. Van Pelt. 2,484,768, Oct. 11.
- Catch for drawers, doors, and the like. F. M. Jacobson. 2,490,060, Dec. 6.
- Catch for pin stems, Safety. M. W. Gross. 2,478,968, Aug. 16.
- Catch for synthetic resin vanity cases, Integral. W. B. Crane. 2,489,525, Nov. 29.
- Catch or lock, Carrying case. G. E. Swanson. 2,478,433-4, Aug. 9.
- Catcher, Droppings. R. E. Blake and W. L. Thomas. 2,484,927, Oct. 18.
- Catheter. M. L. Smith. 2,460,473, Feb. 1.
- Cathode. G. F. Rouse. 2,459,841, Jan. 25.
- Cathode. W. P. Zabel. 2,479,192, Aug. 16.
- Cathode anticontamination structure. J. Rothstein. 2,490,096, Dec. 6.
- Cathode, Articulated. W. P. Zabel. 2,479,193, Aug. 16.
- Cathode assembly for electric discharge tubes. H. J. de Weyer. 2,489,367, Nov. 29.
- Cathode beam transmitter tube. H. B. Law. 2,460,093, Jan. 25.
- Cathode beam tube. L. de Forest. 2,457,981, Jan. 4.
- Cathode coating. G. S. Evans. 2,476,590, July 19.
- Cathode coating for electron discharge devices. O. S. Bright, Jr. 2,473,358, June 14.
- Cathode cup construction. Z. J. Atlee. 2,471,298, May 24.
- Cathode, Directly heated. J. F. Hanson. 2,477,601, Aug. 2.
- Cathode, Directly heated. P. L. Spencer. 2,473,550, June 21.
- Cathode for electric discharge tubes. G. Schmidt. 2,478,841, Aug. 9.
- Cathode for electron discharge devices. R. W. Deutsch. 2,490,786, Dec. 13.
- Cathode for magnetrons. H. G. Anderson. 2,481,061, Sept. 6.
- Cathode-input signal-translating arrangement. H. A. Wheeler. 2,463,229, Mar. 1.
- Cathode-ray beam deflection circuit. G. F. Rogers. 2,469,895, May 10.
- Cathode-ray beam deflecting circuit. O. H. Schade. 2,466,784, Apr. 12.
- Cathode-ray circuit. W. M. Hall. 2,472,209, June 7.
- Cathode-ray deflection circuit. G. D. Hulst, Jr. 2,463,969, Mar. 8.
- Cathode-ray device. H. S. Wertz. 2,481,458, Sept. 6.
- Cathode-ray image-translating device. H. N. Frihart, W. C. Jackson, and F. B. Williams. 2,459,637, Jan. 18.
- Cathode-ray indicator. A. G. Richardson. 2,468,110, Apr. 26.
- Cathode-ray indicator. R. F. Wild. 2,474,177, June 21.
- Cathode-ray oscillographic apparatus. E. H. Higham. 2,483,140, Sept. 27.
- Cathode-ray projection tube. H. G. Boyle. 2,482,151, Sept. 20.
- Cathode-ray tube. G. Burroughs. 2,485,561, Oct. 25.
- Cathode-ray tube. J. de Gier and J. A. M. Smelt. 2,477,329, July 26.
- Cathode-ray tube. R. Feldt and I. E. Lempert. 2,483,457, Oct. 4.
- Cathode-ray tube. E. E. Shelton. 2,458,962, Jan. 11.
- Cathode-ray tube. C. S. Szegho. 2,460,608, Feb. 1.
- Cathode-ray tube. L. A. Woodbridge. 2,472,766, June 7.
- Cathode-ray tube. A. H. A. Wynn and R. A. Hill. 2,473,320, June 14.
- Cathode-ray tube circuit. P. A. Jeanne. 2,492,700, Dec. 27.
- Cathode-ray tube circuit. K. Schlesinger. 2,458,532, Jan. 11.
- Cathode-ray tube focusing circuit. H. G. Boyle. 2,458,891, Jan. 11.
- Cathode-ray tube sweep circuit. H. B. De Vore. 2,466,537, Apr. 5.
- Cathode-ray tube with photo-dichroic ionic crystal light modulating screen. A. H. Rosenthal. 2,481,622, Sept. 13.
- Cathode spot control. R. L. Longini. 2,491,990, Dec. 20.
- Cathode structure for electric discharge devices. J. H. Hutchings. 2,472,077, June 7.
- Cathode structure for electric discharge tubes. J. L. H. Jonker. 2,486,292, Oct. 25.
- Cathode structure for gas tubes. E. K. Smith. 2,489,937, Nov. 29.
- Cathode structure for gas tubes, Partially indirectly heated. D. V. Edwards and E. K. Smith. 2,459,997, Jan. 25.
- Cathode structure for magnetrons. P. W. Forsbergh, Jr. 2,463,372, Mar. 1.
- Cathode structure for magnetrons. P. Kusch. 2,463,398, Mar. 1.
- Cathode structure, Slotted. B. J. Butler. 2,468,736, May 3.
- Cathode support. C. V. Litton. 2,474,263, June 28.
- Cathode support. P. L. Spencer. 2,468,129, Apr. 26.
- Cathode, Thermionic. C. N. Smyth. 2,485,668, Oct. 25.
- Cathodes for electric discharge tubes, Manufacturing. C. F. Veenemans and R. Loojes. 2,463,727, Mar. 8.
- Cathodes for electron discharge tubes, Manufacturing. R. Loojes. 2,464,702, May 15.
- Cathodic deposition apparatus. H. F. Fruth. 2,476,592, July 19.
- Cathodic protection system. W. F. Bonner. 2,483,397, Oct. 4.
- Cation exchange materials. F. C. Nachod and W. Wood. 2,469,472, May 10.
- Cation exchange resins as water purifiers. J. T. Thurston. 2,468,471, Apr. 26.
- Cationic water-insoluble phenol-formaldehyde condensation products containing omega-sulfonic acid radicals, Preparation of. H. M. Day. 2,477,328, July 26.
- Catoptric projection system for flying spot scanning. S. J. Harris. 2,490,052, Dec. 6.
- Caulking plug. E. W. N. Boosey. 2,471,301, May 24.
- Caustic resistant etherified phenolformaldehyde resins. H. L. Bender and A. G. Farnham. 2,470,130, May 17.
- Caustic soda, Production of. H. W. Richter. 2,474,916, July 5.
- Cavity joint. E. C. Okress. 2,476,621, July 19.
- Cavity oscillator, Grid-pulsed. C. E. Dolberg. 2,483,337, Sept. 27.
- Cavity resonator apparatus, Frequency multiplier and stabilization. W. W. Hansen. 2,487,800, Nov. 15.
- Cavity resonator apparatus, High-frequency. L. F. Sorg. 2,490,845, Dec. 13.
- Cavity resonator apparatus, including frequency control means. S. F. Varian. 2,468,145, Apr. 26.
- Cavity resonator, Electrical. T. C. Campbell. 2,475,778, July 12.
- Cavity resonator electron tube. J. H. O. Harries. 2,468,441, Apr. 26.
- Cavity with adjustable walls, Tunable resonant. W. A. Edson and W. F. Kannenberg. 2,471,419, May 31.
- Ceiling. S. R. Naysmith and R. M. Runge. 2,463,047, Mar. 1.
- Ceiling construction. R. H. Stitt. 2,481,794, Sept. 13.
- Ceiling suspended, elevatable table. O. F. Blumer. 2,484,678, Oct. 11.
- Cell, Alkaline primary. A. F. Daniel. 2,480,839, Sept. 6.
- Cell, Alkaline primary. S. Ruben. 2,458,878, Jan. 11.
- Cell and manufacturing it, Photoelectric. J. G. W. Mulder. 2,491,199, Dec. 13.
- Cell and operating same, Electrolytic. F. S. Low. 2,470,073, May 10.
- Cell, Blocking-layer. W. C. van Geel and L. A. L. Esseling. 2,468,527, Apr. 26.
- Cell case machine. D. R. Vail. 2,478,794, Aug. 9.
- Cell construction, Standard. F. W. Side. 2,484,593, Oct. 11.
- Cell, Flat type dry. M. E. Wilke. 2,480,531, Aug. 30.
- Cell for viscous materials, Conductivity. E. M. Otto. 2,486,432, Nov. 1.
- Cell, Leak resistant electrical. G. B. Ellis. 2,461,534, Feb. 15.
- Cell, Load. A. C. Ruge. 2,487,595, Nov. 8.
- Cell of the lead-zinc type, Primary. H. J. Mandel. 2,482,880, Mar. 1.
- Cell, Pressure. A. L. Erickson and J. C. Kyle. 2,459,155, Jan. 18.
- Cell, Reticule. C. H. Meyer. 2,466,724, Apr. 12.
- Cell, Spirally wound storage. E. F. Webb. 2,487,499, Nov. 8.
- Cell, Submergible fuel. H. T. Bogle. 2,487,786, Nov. 15.
- Cell testing circuit. A. C. Wall. 2,480,063, Aug. 23.
- Cell vent and making, Primary. F. D. Williams, Jr. 2,478,798, Aug. 9.
- Cell with mercury absorbent, Primary. S. Ruben. 2,482,514, Sept. 20.
- Cellarette, Mirror-lined. W. R. Pistone. 2,488,035, Nov. 15.
- Cells, Combination of two or more than two blocking-layer. R. D. Bugel and C. de Lange. 2,486,110, Oct. 25.

- Cellular container. W. B. Crane and W. B. Crane, Jr. 2,476,181, July 12.
- Cellular products from volcanic ash, Making. A. L. Burwell. 2,466,001, Apr. 5.
- Cellular resin material, Making. L. E. Nye. 2,461,761, Feb. 15.
- Cellular rubber material, Method and apparatus for producing. C. W. Leguillon. 2,463,289, Mar. 1.
- Cellular structure. C. E. L. Embree. 2,490,586, Dec. 6.
- Cellulose acetate fraction, Preparation of an optically clear. J. W. Kneisley. 2,489,143, Nov. 22.
- Cellulose acetate, Manufacture of. G. A. Richter and L. E. Herdie. 2,475,425, Aug. 9.
- Cellulose acetate, Manufacture of. G. A. Richter and R. H. MacClaren. 2,487,892, Nov. 15.
- Cellulose acetate plastic composition, Preparation of. J. W. Kneisley. 2,489,142, Nov. 22.
- Cellulose acetate product and treating cellulose acetate. H. Fox and J. W. Kneisley. 2,489,128, Nov. 22.
- Cellulose articles from viscose, Manufacture of. J. A. Calhoun, Jr. 2,484,013, Oct. 11.
- Cellulose bleaching. A. M. Dodson. 2,478,379, Aug. 9.
- Cellulose carboxylic ester silver halide emulsions sensitized with benzothiazole and benzoselenazole quaternary salts. B. H. Carroll and W. West. 2,490,745, Dec. 6.
- Cellulose, Continuously esterifying. L. E. Herdie and E. L. Perkins. 2,484,455, Oct. 11.
- Cellulose derivative combined with n-alkoxymethyl polyamide. R. L. Brown. 2,462,159, Feb. 22.
- Cellulose derivative compositions. A. E. Young and E. K. Stilbert. 2,469,348, May 3.
- Cellulose derivative, Plasticized. M. Grunfeld and E. C. Cottet. 2,476,976, July 26.
- Cellulose derivative yarns, Production of high tenacity. R. R. Sitzler. 2,478,331, Aug. 9.
- Cellulose derivatives. D. S. Breslow. 2,492,928, Dec. 27.
- Cellulose dielectric material and producing the same, Regenerated. G. B. Gardner. 2,460,282, Feb. 1.
- Cellulose ester and ether products colored with a dinitrophenoxazine or -phenothiazine. H. C. Olpin and P. B. Law. 2,464,885, Mar. 22.
- Cellulose ester filaments, Conditioning. J. B. Elsen. 2,461,043, Feb. 8.
- Cellulose ester material with acid and direct dyes, Printing. C. F. Miller. 2,468,940, May 3.
- Cellulose esterification. M. E. Martin and T. M. Andrews. 2,489,382, Nov. 29.
- Cellulose esters and ethers, Stabilized. W. J. Myles and J. H. Prichard. 2,465,915, Mar. 29.
- Cellulose esters having a high propionyl and butyryl content, Continuous method for preparing. C. J. Malm. 2,490,643, Dec. 6.
- Cellulose esters, High clarity. M. E. Martin, L. G. Reed and J. L. Thomas. 2,484,108, Oct. 11.
- Cellulose esters, Higher. R. D. Rowley. 2,475,678, July 12.
- Cellulose esters, Manufacture of. C. R. Fordyce and C. L. Crane. 2,478,383, Aug. 9.
- Cellulose esters, Mixed long chain. G. W. Seymour, B. B. White, and T. G. Davis. 2,484,124, Oct. 11.
- Cellulose esters, Production of. G. A. Richter, Jr. 2,492,443, Dec. 27.
- Cellulose esters, Rapid ripening of. G. W. Seymour, B. B. White, and A. J. Bellucci. 2,470,191-2, May 17.
- Cellulose esters, Ripening. R. D. Rowley and R. F. Thompson. 2,461,572, Feb. 15.
- Cellulose esters, Treatment of. G. W. Seymour, B. B. White, and L. J. Rosen. 2,490,164, Dec. 6.
- Cellulose ether manufacture. A. S. Finlayson. 2,482,844, Sept. 27.
- Cellulose ether plasticized with a cyclomethylene sulfone, Water-soluble. G. W. Hooker and N. R. Peterson. 2,471,272, May 24.
- Cellulose ethers and producing the same. W. B. Kunz. 2,488,631, Nov. 22.
- Cellulose ethers, Manufacture of. R. B. Darling. 2,492,524, Dec. 27.
- Cellulose ethers, Production of. J. H. MacGregor. 2,482,011, Sept. 13.
- Cellulose ethers, Treatment of. W. H. Myers. 2,482,862, Sept. 27.
- Cellulose filamentary materials, Treatment of viscose. R. O. Denyes. 2,479,605, Aug. 23.
- Cellulose lace-backing fabrics, Nitrating. J. Datlow. 2,461,632, Feb. 15.
- Cellulose organic acid ester compositions containing 2,2'-dihydroxy benzalazine. W. M. Gearhart and L. W. A. Meyer. 2,464,128, Mar. 8.
- Cellulose oxazolidone ethers and making same. F. K. Signaigo. 2,459,547, Jan. 18.
- Cellulose particles, Production of globular regenerated. O. A. Battista. 2,465,343, Mar. 29.
- Cellulose, Preparing regenerated. G. D. Hiatt and C. L. Crane. 2,473,473, June 14.
- Cellulose purification. M. E. Martin and M. Umansky. 2,482,858, Sept. 27.
- Cellulose saccharification. A. Hereng. 2,474,669, June 28.
- Cellulose sheet material, Manufacturing regenerated. C. Dreyfus, B. Andersen, and N. N. Kojevnikoff. 2,459,927, Jan. 25.
- Cellulose surfaces, Bonding. R. P. Roberts and K. Jones. 2,471,497, May 31.
- Cellulose thread, Treatment of regenerated. C. Schlatter and C. V. Holmberg. 2,460,400, Feb. 1.
- Cellulose triacetate, Precipitation of. C. J. Malm and C. L. Crane. 2,469,395, May 10.
- Cellulose, Washing. J. W. Allquist. 2,472,877, June 14.
- Cellulosic material, Flameproofing combustible. A. McLean and S. F. Marrian. 2,472,335, June 7.
- Cellulosic material, Protecting. W. H. Hampton and V. R. Smith. 2,479,235, Aug. 16.
- Cellulosic material with higher aliphatic acyl peroxides, Waterproofing. W. B. Warden. 2,460,777, Feb. 1.
- Cellulosic materials to rubber and composite products formed therefrom, Bonding. J. G. Weeldenburg. 2,458,886, Jan. 11.
- Cellulosic matter, Bleaching of. R. Bloch, K. Goldschmidt, I. Schnerb, and P. Goldschmidt. 2,461,105, Feb. 8.
- Cellulosic products. L. Doub. 2,474,306, June 28.
- Cellulosic pulp, Bleaching. G. J. Brabender, J. W. Bard, and J. M. Daily. 2,466,633, Apr. 5.
- Cellulosic repair putty, Low shrinking. C. W. Johnson. 2,461,900, Feb. 15.
- Cellulosic textiles protected against mildew. F. J. Meyer. 2,486,961, Nov. 1.
- Cement, Adhesive, having a butadiene-acrylonitrile copolymer base. E. M. Chmiel. 2,491,477, Dec. 20.
- Cement and making, Acid resisting. L. V. Farkas, and M. M. Szwarc. 2,492,790, Dec. 17.
- Cement and making, Stabilized sorel. L. W. Austin and D. Rhodes. 2,466,145, Apr. 5.
- Cement and making the same, Slow setting. N. C. Ludwig. 2,470,505, May 17.
- Cement-applying roll. F. E. Hooper. 2,465,376, Mar. 29.
- Cement block building wall. J. E. Abbott. 2,484,062, Oct. 11.
- Cement composition and indurating mixture therefor. D. R. MacPherson, W. G. France, and F. M. Ernberger. 2,485,102, Oct. 18.
- Cement composition and making same. D. R. MacPherson. 2,478,831, Aug. 9.
- Cement containing pregelatinized starch, Low water loss. N. C. Ludwig. 2,489,793, Nov. 29.
- Cement, Expansive. F. A. Schenker and T. A. Shann. 2,465,278, Mar. 22.
- Cement mixer. R. G. Le Tourneau. 2,492,299, Dec. 27.
- Cement, Retarded. N. C. Ludwig. 2,471,632, May 31.
- Cement, Shoe. W. L. MacKenzie. 2,466,817, Apr. 12.
- Cementing apparatus for laminating machines, Spot. W. S. Riddle. 2,488,685, Nov. 22.
- Cementing apparatus, Well. C. E. Burt. 2,482,651, Sept. 20.
- Cementing device, Well. W. S. Althouse, Jr., and E. Graham, Jr. 2,471,382-3, May 24.
- Cementing other bores. I. W. Alcorn and D. C. Bond. 2,469,353, May 10.
- Cementing equipment. J. J. Larkin. 2,458,278, Jan. 4.
- Cementing equipment. J. J. Larkin. 2,488,819, Nov. 22.
- Cementitious materials, Impregnating and decorating. L. Chung. 2,470,918, May 24.
- Cementitious refractory and making. L. E. Greene. 2,472,206, June 7.
- Center. B. A. Holohan. 2,463,385, Mar. 1.
- Center and center drill, Combination. R. W. Miller. 2,481,939, Sept. 13.
- Centerboard, Adjustable. G. J. Danko. 2,466,006, Apr. 5.
- Center drawer housing for pedestal type desks. H. W. Deutemeier. 2,482,611, Sept. 20.
- Center joint form. R. R. Robertson. 2,458,303, Jan. 4.
- Center lap. J. R. Reich. 2,489,722, Nov. 29.
- Center locating tool. L. Ohl. 2,490,648, Dec. 6.
- Center of gravity and weight indicator. H. R. Davies. 2,470,069, May 10.
- Center of gravity device. L. O. Spaulding. 2,492,199, Dec. 27.
- Centerpiece, Decorative. W. T. Heintze. 2,465,684, Mar. 29.
- Center pin for body and truck bolsters of railway cars. K. Williams. 2,485,426, Oct. 18.
- Center pin for railway cars, Locking. G. E. Dath. 2,466,932, Apr. 12.
- Center pin for railway cars, Locking. G. E. Dath. 2,475,660-1, July 12.
- Center punch. V. A. Dolaser. 2,480,399, Aug. 30.
- Centering attachment, Drill bit. C. A. Pierce. 2,479,774, Aug. 23.
- Centering device. O. V. Anderson. 2,484,801, Oct. 18.
- Centering means for cathode-ray deflecting circuits. P. F. G. Holst and L. R. Kirkwood. 2,487,550, Nov. 8.
- Centering means for railway draft devices. E. P. Kinne and F. H. Kayler. 2,469,118, May 3.
- Centering mechanism. G. M. Graham. 2,464,034, Mar. 8.
- Centering mechanism for aircraft wheel mountings having casting or equivalent motion. S. M. Parker. 2,462,992, Mar. 1.
- Centering or like punch. S. G. Young. 2,460,113, Jan. 25.
- Centering support. L. P. Morey. 2,461,171, Feb. 8.
- Centralizing casings and the like in a well. D. B. Grable. 2,490,350, Dec. 6.
- Centrifugal ball mill. C. E. Wuensch. 2,473,558, June 21.
- Centrifugal blower with spiral casings, Multistage. J. Karrer. 2,483,643, Oct. 4.
- Centrifugal clutch. A. E. Elmore. 2,491,003, Dec. 13.
- Centrifugal clutch. M. Merz. 2,488,599, Nov. 22.

- Centrifugal clutch. E. C. Shank. 2,460,539, Feb. 1.
 Centrifugal delay switch. S. H. Dike. 2,458,467, Jan. 4.
 Centrifugal force operated switch. W. Z. West, Jr., and M. F. Gamble. 2,459,984, Jan. 25.
 Centrifugal homogenizer. H. Becchia. 2,482,235, Sept. 20.
 Centrifugal liquid cleaner. M. Debrey. 2,491,801, Dec. 20.
 Centrifugal machine, Balancing. T. H. Reid. 2,461,773, Feb. 15.
 Centrifugal machine, Continuous. J. Hertrich. 2,462,098, Feb. 22.
 Centrifugal pump. M. Davila. 2,475,082, July 5.
 Centrifugal pump. J. A. Espy. 2,459,220, Jan. 18.
 Centrifugal pump. G. P. E. Howard and A. Ivanoff. 2,461,821, Feb. 15.
 Centrifugal pump. J. E. Piccardo. 2,478,941, Aug. 16.
 Centrifugal safety delay switch. H. E. Tatel. 2,458,483, Jan. 4.
 Centrifugal separator. H. A. Delius. 2,464,440, Mar. 15.
 Centrifugal separator. H. W. Fawcett. 2,469,956, May 10.
 Centrifugal separator. L. D. Jones and H. S. Barnaby. 2,459,944, Jan. 25.
 Centrifugal separator. J. E. Tholl. 2,485,466, Oct. 18.
 Centrifugal separator bowl valve. A. E. W. Johnson. 2,468,632, Apr. 26.
 Centrifugal separator with movably supported supply can therefor. W. H. Harstick and O. E. Hintz, Jr. 2,482,272, Sept. 20.
 Centrifugal switch. J. W. Busacker. 2,458,465, Jan. 4.
 Centrifugal switch. C. Janecky, M. I. Fillweber, and E. Bylund. 2,487,555, Nov. 8.
 Centrifugal switch. J. T. Janette. 2,473,998, June 21.
 Centrifugally nonresponsive electrical snap switch. R. K. Tiedeman. 2,463,659, Mar. 8.
 Centrifugally operable clutch. W. and H. Hinden. 2,471,747, May 31.
 Centrifuge apparatus for obtaining blood plasma. W. Aronson. 2,461,674, Feb. 15.
 Centrifuge for the separation of serum from cheese constituents. G. J. Strezynski. 2,461,129, Feb. 8.
 Centrifuge with centrifugally flushed filter. G. J. Strezynski. 2,488,746, Nov. 22.
 Centrifuge with primary and secondary zones of separation and process therefor. I. J. Lundal. 2,485,209, Oct. 18.
 Ceramic articles and producing same, Unfired bonded. J. W. H. Miller. 2,460,761, Feb. 1.
 Ceramic articles, Manufacture of shaped metal-containing. M. Hauser. 2,467,528, Apr. 19.
 Ceramic bodies. W. A. Weyl. 2,486,811-12, Nov. 1.
 Ceramic bodies, Making. E. L. Kreidl and J. L. Utter. 2,460,356, Feb. 1.
 Ceramic coating for metals. D. G. Bennett and C. M. Andrews. 2,475,469-70, July 5.
 Ceramic objects, Coloring. H. C. Staehle. 2,472,128, June 7.
 Ceramic product and making. R. Lecuir. 2,491,412, Dec. 13.
 Ceramic space heater. G. A. Bole and D. H. Wyatt. 2,481,069, Sept. 6.
 Ceramic ware, Decoration of. H. T. Van Horn and R. M. Koppenhoefer. 2,476,570, July 19.
 Ceric sulfate catalyzed emulsion polymerization of styrene. H. F. Park. 2,485,535, Oct. 18.
 Cesium bromide separation. V. A. Stenger. 2,481,455, Sept. 6.
 Chaff and straw receiver and cocker. A. L. Donogh. 2,482,160, Sept. 20.
 Chain: See—
 Antiskid chain. Molded rubber traction chain.
 Conveyor chain. chain.
 Cutter chain. Nonskid tire chain.
 Drive chain. Pintle chain.
 Electric lighted key chain. Roller bearing chain.
 Emergency tire chain. Surveyor's band chain.
 Link chain. Timing or patterning chain.
 Lubricated mining machine chain.
 Chain. A. E. Focke and H. E. Morrow. 2,466,639, Apr. 5.
 Chain. J. A. Goode. 2,480,015, Aug. 23.
 Chain. J. F. Rixon. 2,465,929, Mar. 29.
 Chain and mounting device therefor, Tire. J. G. Fogarty. 2,474,521, June 28.
 Chain and sprocket assembly. H. Y. Law. 2,489,039, Nov. 22.
 Chain clamp. W. G. Johnson and H. Forward. 2,465,729, Mar. 29.
 Chain device, Antiskid. H. L. Small. 2,489,110, Nov. 22.
 Chain drive arrangement for internal-combustion engines. J. Jozif. 2,478,106, Aug. 2.
 Chain drive assembly. F. M. Hawley and R. E. Cherry. 2,479,617, Aug. 25.
 Chain grate stoker having means for feeding refractory material thereupon for insulating purposes. C. H. Sparks. 2,476,567, July 19.
 Chain link, Antiskid. H. F. Parker. 2,465,659, Mar. 29.
 Chain links, Soldering. G. Durst, and J. C. Van Ryn. 2,492,851, Dec. 27.
 Chain operations. A. B. Segur. 2,492,925, Dec. 27.
 Chain saw filing gauge. L. L. Rex. 2,488,684, Nov. 22.
 Chain support. L. A. Blackburn. 2,472,461, June 7.
 Chain tool. F. J. Vaupel. 2,467,279, Apr. 12.
 Chain welder. M. M. Seeloff and L. Conklin. 2,464,752, Mar. 15.
 Chain welding and chain welding machines. A. H. Lewis and K. Sheren. 2,464,875, Mar. 22.
 Chains, Applying and securing antiskid. J. D. Carroll. 2,472,768, June 7.
 Chair. R. L. Davis and A. J. Plachecki. 2,490,341, Dec. 6.
 Chair. F. J. Luketa. 2,491,898, Dec. 20.
 Chair: See—
 Adjustable chair. Invalid wheel chair.
 Adjustable comfort chair. Lounge chair.
 Adjustable rocking chair. Metal chair.
 Baby high chair. Modernistic spring metal folding chair.
 Beauty parlor rolling auxiliary chair. Pedestal supported knock-down chair.
 Child's chair. Power operated chair.
 Child's foldable chair. Prefabricated chair.
 Child's wheeled chair. Reclining chair.
 Collapsible chair. Retracting type theater chair.
 Collapsible wheel chair. Rotatable counter chair.
 Crossed leg pivoted back folding chair. Self-opening collapsible chair.
 Easy chair. Spring oscillating chair.
 Foldable chair. Steel folding chair.
 Folding chair. Telescooping collapsible chair.
 Folding lawn chair. Three-way baby chair.
 Folding push chair. Tiltable lawn chair.
 Form and posture corrective chair. Tilting chair.
 High chair. Vibratory therapeutic chair.
 Infant's chair.
 Infant's collapsible and portable chair.
 Invalid chair.
 Chair. V. J. Colvez. 2,466,081, Apr. 5.
 Chair. V. J. Colvez. 2,480,552, Aug. 30.
 Chair. A. Di Renzo. 2,473,745, June 21.
 Chair. M. Greitzer. 2,461,055, Feb. 8.
 Chair. F. J. Luketa. 2,481,133, Sept. 6.
 Chair. P. Mednick. 2,473,895, June 21.
 Chair. E. V. Onsa. 2,463,049, Mar. 1.
 Chair. C. Turner. 2,487,907, Nov. 15.
 Chair and carrier, Convertible boat. W. H. Elston. 2,480,402, Aug. 30.
 Chair and ladder, Combination. J. Furlin. 2,469,720, May 10.
 Chair and table, Combination. S. Ciralo. 2,489,861, Nov. 29.
 Chair and table, Combination safety. C. W. Miller. 2,461,123, Feb. 8.
 Chair and table, Combined. M. Lambert. 2,466,956, Apr. 12.
 Chair and table unit, Combination. M. C. Ivory. 2,474,252, June 28.
 Chair-bed combination, Convertible. G. R. Thompson. 2,491,911, Dec. 20.
 Chair construction. A. Roth. 2,464,995, Mar. 22.
 Chair for infants, Convertible. R. F. Reiman. 2,462,675, Feb. 22.
 Chair or the like, Adjustable. H. R. Ross. 2,480,778, Aug. 30.
 Chair, table, and desk combination. H. M. Wood. 2,459,257, Jan. 18.
 Chair with folding table leaf. E. B. Morgan and R. W. Clay. 2,473,037, June 14.
 Chair with tilting back and automatically shiftable seat. R. A. Cramer. 2,471,024, May 24.
 Chair with vertically adjustable seat. W. Kullack. 2,465,104, Mar. 22.
 Chalcones and their manufacture. F. Bergel, A. Cohen, J. W. Haworth, and E. G. Hughes. 2,465,320, Mar. 22.
 Chalk container. J. W. Roland. 2,489,464, Nov. 29.
 Chalk holder. G. F. Miller. 2,459,087, Jan. 11.
 Chalk, Producing. L. C. Fleck. 2,467,082, Apr. 12.
 Chamber, Combustion. G. B. Farkas and A. Y. Gunter. 2,458,066, Jan. 4.
 Chamber for surgical uses, Sterilized and air-conditioned. R. Letac. 2,473,033, June 14.
 Chamber having a movable wall therefor, Suction cleaner dust. C. H. Sparklin. 2,459,194, Jan. 18.
 Chamber, Ionization. H. D. Roop. 2,458,099, Jan. 4.
 Chamber motor with independent admission and exhaust, Unequal stroke speed expandable. L. J. Carey. 2,466,376, Apr. 5.
 Chamber, Subliming. W. T. Badham. 2,478,226, Aug. 9.
 Chamfering tool. T. F. Millham. 2,461,431, Feb. 8.
 Chamfering tool. F. P. Willcox. 2,468,475, Apr. 26.
 Chance controlled game board. N. McLeod. 2,470,632, May 17.
 Change mechanism for duplicating machines, Master sheet. F. R. Ford. 2,482,408, Sept. 20.
 Change of direction rollers. R. A. Liebel. 2,473,599, June 21.
 Change-over for motion-picture projection, Automatic. G. W. Switzer. 2,483,679, Oct. 4.
 Change-speed gear. T. A. Kestell. 2,483,774, Oct. 4.
 Changer, Fishing line. M. L. Roark. 2,459,963, Jan. 25.
 Changer, Polarity. J. A. Mas. 2,489,656, Nov. 29.
 Changing picture comprising one stationary and one sliding picture. M. Berg. 2,485,806, Oct. 25.
 Channel and transmitter control for telegraph systems. W. M. Bacon. 2,486,699, Nov. 1.
 Channel clip. H. L. Finch. 2,485,090, Oct. 18.
 Channel gain control, Dual. H. Wilkie. 2,477,028, July 26.

- Charge for rocket motors, Propellant. R. D. Geckler. 2,479,828, Aug. 23.
- Charge forming device. F. C. Mock. 2,470,098, May 17.
- Charging device for internal-combustion engines, Auxiliary. M. A. Zimmerman. 2,474,083, June 21.
- Charging individual capsules with a compressed gas. G. S. McCloy. 2,469,975, May 10.
- Charging magnesium retorts. H. Church. 2,477,406, July 26.
- Chart. B. Spector and J. J. Murray. 2,471,552, May 31.
- Chart holder. R. C. Dehmel. 2,474,097, June 21.
- Chart roll mechanism. G. W. Barnes, Jr. 2,487,843, Nov. 15.
- Chart, Scale. E. C. Karp. 2,476,046, July 12.
- Chassis engaging device for vehicle lifts. G. Frey. 2,458,986, Jan. 11.
- Chassis for baby buggies. M. D. Welsh. 2,482,230, Sept. 20.
- Chassis, Wave-signal translating apparatus. D. H. Mitchell. 2,492,235, Dec. 27.
- Check and closer, Door. J. G. Allen. 2,472,508, June 7.
- Check and closer for inner and outer closures. A. E. Hill. 2,479,835, Aug. 23.
- Check, Bank. N. D. Callanan. 2,459,263, Jan. 18.
- Check device for doors, Fluid. S. A. Rollason. 2,467,597, Apr. 19.
- Check, Door. E. Loehr and E. G. Sprink. 2,484,717, Oct. 11.
- Check feeding machine. P. J. Clark. 2,470,017, May 10.
- Check, Picker stick. E. H. Ashton, R. G. Mallard, and E. A. Mastriani. 2,484,065, Oct. 11.
- Check protector. H. Keeton. 2,491,816, Dec. 20.
- Check, Tie. C. L. Wickersham and J. A. Hyle. 2,463,665, Mar. 8.
- Check valve. D. C. Green. 2,481,482, Sept. 13.
- Check valve and flash arrester, Combination. W. S. Boedecker. 2,482,457, Sept. 20.
- Check valve for compressors, Equalizing. W. L. Ecabert. 2,474,892, July 5.
- Check writer. J. Kertes. 2,464,815, Mar. 22.
- Checkerboard, Electromagnetic. J. M. Moon. 2,472,916, June 14.
- Checker-brick and checkerwork. D. M. Thorpe. 2,467,166, Apr. 12.
- Checking tool. D. W. C. Winfield. 2,490,497, Dec. 6.
- Checking fixture, Rotary. R. S. Yingling. 2,482,051, Sept. 13.
- Checking hinge, Hydraulic. A. J. Swanson. 2,484,764, Oct. 11.
- Cheese and package therefor, Processing. F. M. Fisher and H. C. Hopp. 2,471,867, May 31.
- Cheese-cutting device. H. A. Olander. 2,468,229, Apr. 26.
- Cheese, Pressing. R. Miollis. 2,492,878, Dec. 27.
- Chemical composition for water purification, Preparing a. G. H. Conant, Jr., and J. C. Morris. 2,464,198, Mar. 15.
- Chemical compositions and the preparation thereof. J. W. Cusic. 2,461,038, Feb. 8.
- Chemical compounds and preparing the same. L. H. Sarett. 2,492,188, Dec. 27.
- Chemical compounds and preparing the same. L. H. Sarett. 2,492,193-4, Dec. 27.
- Chemical compounds and preparing them. J. C. Sheehan and M. Tishler. 2,491,523, Dec. 20.
- Chemical manufacture. E. R. Woodward. 2,482,958, Sept. 27.
- Chemical process. R. Johnson. 2,468,759, May 3.
- Chemical process. W. J. Sparks and D. W. Young. 2,465,292, Mar. 22.
- Chemical process for the production of acrolein. J. F. Walker. 2,478,989, Aug. 16.
- Chemical process for tripolymers. D. W. Young and W. J. Sparks. 2,479,450, Aug. 16.
- Chemical reactions, Conducting. N. M. Winslow and G. W. Heise. 2,459,907, Jan. 25.
- Chemical retting process of producing bast fibers. J. J. Zeehuisen. 2,457,856, Jan. 4.
- Chemical sensitization of photographic emulsions. B. H. Carroll. 2,487,850, Nov. 15.
- Chemically coating metallic articles of aluminum or predominantly of aluminum and solution for use therein. C. W. Clark and T. G. Collins. 2,475,945-6, July 12.
- Chemotherapeutic agents. G. J. Martin and H. Urist. 2,478,874, Aug. 9.
- Chemotherapeutic agents. G. J. Martin. 2,485,501, Oct. 18.
- Chemotherapeutic preparation. O. H. Peterson. 2,480,104, Aug. 30.
- Chenille making machine. J. L. Wilmsen. 2,491,292, Dec. 13.
- Cherry stemming and sorting machines. H. M. Schubert. 2,462,682, Feb. 22.
- Chest for mechanical refrigerators, Frozen food. C. F. Jensky. 2,488,197, Nov. 15.
- Chest protector. S. Siegel. 2,468,841, May 3.
- Chewed gum receptacle. R. H. Keston. 2,484,892, Oct. 18.
- Chewing gum base. B. N. Lougovoy. 2,489,147, Nov. 22.
- Chewing gum, Motion sickness. J. H. King, J. S. Wolf, and R. R. Calvert. 2,465,233, Mar. 22.
- Chewing gum, Therapeutic. J. A. Smith. 2,476,687, July 19.
- Chick sorting and shipping box. C. J. Notar. 2,475,913, July 12.
- Chicken feeder. F. W. Boulware. 2,467,250, Apr. 12.
- Chicken killer, Humane. M. J. Schoger. 2,478,209, Aug. 9.
- Child's chair. H. Carr. 2,478,236, Aug. 9.
- Child's foldable chair. C. V. Johnson. 2,464,513, Mar. 15.
- Child's nursing stand. R. Luzardo. 2,458,950, Jan. 11.
- Child's shampoo support. R. L. Lafield. 2,461,744, Feb. 15.
- Child's table. A. G. Biggerstaff. 2,461,715, Feb. 15.
- Child's vehicle. V. Marasco. 2,484,954, Oct. 18.
- Child's vehicle. W. N. Wheeler. 2,460,479, Feb. 1.
- Child's wheeled chair. L. Sohn. 2,488,681, Nov. 22.
- Chilling containers, Method and apparatus for. W. L. Morrison. 2,483,100, Sept. 27.
- Chime. P. C. Reck. 2,486,680, Nov. 1.
- Chime construction for steel barrels. R. C. Ingersoll. 2,481,015, Sept. 6.
- Chime device, Electric. G. L. Bossard. 2,470,600, May 17.
- Chime for barrels. A. W. Ernestus and O. F. Rendenbach. 2,489,766, Nov. 29.
- Chimney draft control. J. H. Messer. 2,483,922, Oct. 4.
- Chimney, Reinforced concrete. L. Faye. 2,463,607, Mar. 8.
- Chinaware, Manufacturing. H. H. Greger. 2,490,049, Dec. 6.
- Chip breaker, Inside sidehead. M. T. McBryde. 2,460,465, Feb. 1.
- Chisel, Bushing, sleeve, and liner removing. J. W. Williams. 2,490,565, Dec. 6.
- Chisel, Percussive type wood. J. M. Mattson. 2,475,041, July 5.
- Chloral alcoholate, Production of. W. Bridge and J. Matchet. 2,468,861, May 3.
- Chloral and chloral hydrate, Preparation of. O. W. Cass. 2,478,152, Aug. 2.
- Chloral, Manufacture of. A. Brothman. 2,478,741, Aug. 9.
- Chloramphenicol, Manufacture of. J. Ehrlich, R. M. Smith, and M. A. Penner. 2,483,892, Oct. 4.
- Chlorates and chlorites of different metals, Producing. C. A. Hampel. 2,489,573, Nov. 29.
- Chlorates and chlorites of different metals, Production of. C. A. Hampel. 2,489,575, Nov. 29.
- Chloreton, Manufacture of. G. A. Harrington. 2,462,389, Feb. 22.
- Chlorinated aliphatic compounds, Production of. P. J. Thurman and J. Downing. 2,480,982, Sept. 6.
- Chlorinated derivatives of alkylene polyamines. F. C. Bersworth. 2,489,363, Nov. 29.
- Chlorinated methylchlorosilanes and their hydrolysis products. W. F. Gilliam. 2,474,578, June 28.
- Chlorinating chloropropane. J. S. Sconce, D. S. Rosenberg, and A. N. Johnson. 2,492,941, Dec. 27.
- Chlorinator. N. M. Bell and W. C. Childs. 2,467,109, Apr. 12.
- Chlorine containing resins, Stabilization of. C. D. LeClaire. 2,476,829, July 19.
- Chlorine dioxide and nitrogen trichloride, Simultaneous production of. W. S. Hutchinson. 2,462,194, Feb. 22.
- Chlorine dioxide, Manufacture of. G. M. Booth. 2,459,124, Jan. 11.
- Chlorine dioxide, Producing. G. A. Dav and E. F. Fenn. 2,484,402, Oct. 11.
- Chlorine dioxide, Producing. T. G. Holst. Re. 23,111, May 10.
- Chlorine dioxide, Producing. W. H. Rapson and M. W. Hawkesbury. 2,481,240, Sept. 6.
- Chlorine from hydrogen chloride. F. S. Low. 2,468,766, May 3.
- Chlorine from mixtures containing chlorine dioxide and chlorine, Removing. W. H. Rapson and M. W. Hawkesbury. 2,481,241, Sept. 6.
- Chlorinolysis. E. T. McBee and O. R. Pierce. 2,460,705, Feb. 1.
- Chloromphenicol, Obtaining. Q. R. Bartz. 2,483,871, Oct. 4.
- Chloro cresoxy acetic acid, Manufacture of. R. T. Foster. 2,485,146, Oct. 18.
- Chlorofluoro methanes, Manufacture of. J. D. Calfee and L. B. Smith. 2,459,767, Jan. 18.
- Chloroformates, Preparing. F. Strain and W. F. Newton. 2,476,637, July 19.
- Chlorohydrins, Production of. B. T. Brooks. 2,463,850, Mar. 8.
- Chloroprenes, Manufacture of. P. G. Carter. 2,474,777, June 28.
- Chlorotriazinyl nitriles, Preparation of. I. Hechenbleikner. 2,476,547, July 19.
- Chlorotriazinyl nitriles, Production of. I. Hechenbleikner. 2,476,546, July 19.
- Chock Wheel. A. C. Ridland. 2,475,111, July 5.
- Chocolate confectioneries, Making. J. J. Alikonis. 2,465,828, Mar. 29.
- Chocolate mixer. F. Gregor. 2,483,275, Sept. 27.
- Chocolate products. N. W. Kempf, and H. H. Hoben. 2,480,935, Sept. 6.
- Choke control, Automatic. W. W. Miller. 2,479,392, Aug. 16.
- Choke, Electrical. H. P. Miller, Jr. 2,462,884, Mar. 1.
- Choke for carburetors, Automatic. W. H. Taylor. 2,481,259, Sept. 6.
- Cholic and desoxycholic acids, Preparation of. E. Kaiser. 2,491,814, Dec. 20.
- Cholinesterase, Preparation of. A. Lesuk. 2,475,793, July 12.

- Cholinesterase, Stabilized, A. Lesuk. 2,475,792, July 12.
 Chopper and cultivator, Cotton. J. V. Schug. 2,471,377, May 24.
 Chopper and tobacco patter, Cotton. M. S. Brown. 2,485,693, Oct. 25.
 Chopper, Cotton. C. Jones. 2,489,036, Nov. 22.
 Chopper, Food. A. Cadella. 2,476,695, July 19.
 Chopper for electrical circuits. E. K. Haberland. 2,479,566, Aug. 23.
 Chopper for plows, Trash. T. R. Reahard. 2,489,930, Nov. 29.
 Chopper for presses or the like, Metal. G. O. Letoile. 2,475,747, July 12.
 Chopper, Rotary trash. C. R. S. and R. W. II. Sears. 2,465,488, Mar. 29.
 Chopper, Wall-supported food. C. R. Lofgren. 2,478,292, Aug. 9.
 Chopper with a plurality of connected feed passages, Food. D. A. Meeker. 2,492,233, Dec. 27.
 Chopper with rotary forcer screw, Food. F. W. Litten. 2,459,230, Jan. 18.
 Chord indicator. L. Ruben and E. J. Zeik. 2,473,222, June 14.
 Christmas tree holder. C. Cima. 2,485,233, Oct. 18.
 Christmas tree holder. T. C. Lorenzen. 2,464,593, Mar. 15.
 Christmas tree holder. C. J. Schroeder. 2,476,225, July 12.
 Christmas tree holder. R. A. Wuerl and R. C. Watkins. 2,469,286, May 3.
 Christmas tree stand. L. Klesow. 2,478,278, Aug. 9.
 Christmas tree stand. E. Rocco. 2,485,460, Oct. 18.
 Christmas tree stand. H. A. Smith. 2,471,124, May 24.
 Chromatographic adsorption. K. H. Meng. 2,487,574, Nov. 8.
 Chrome alloy steel, Manufacture of. C. R. Funk. 2,464,302, Mar. 15.
 Chromium ammonium chloride complexes, Production of. L. W. Skala. 2,470,378, May 17.
 Chromium and manganese ores, Deironing. A. Greffe. 2,458,469, Jan. 4.
 Chromium complex, Monoazo. H. W. Grimm and L. Richter. 2,459,813, Jan. 25.
 Chromium-containing phenolic amine reaction product. P. R. McCarthy. 2,480,754, Aug. 30.
 Chromium plating and treating steel airplane propeller blades. G. Dubpernell. 2,462,615, Feb. 22.
 Chronographic apparatus and method. H. W. Hoffman and G. H. Helmer. 2,482,184, Sept. 20.
 Chuck. J. A. Axelsson. 2,458,824, Jan. 11.
 Chuck. M. L. Benjamin and F. E. Winnen. 2,462,155, Feb. 22.
 Chuck. J. Budig. 2,471,407, May 31.
 Chuck. L. S. Chadwick. 2,461,628, Feb. 15.
 Chuck. W. N. Chittenden. 2,491,605, Dec. 20.
 Chuck. F. L. Eaton. 2,479,560, Aug. 23.
 Chuck. C. J. Frettoloso. 2,465,366, Mar. 29.
 Chuck. F. B. Group. 2,477,124, July 26.
 Chuck. J. Hammond. 2,477,600, Aug. 2.
 Chuck. N. H. Iversen. 2,461,059, Feb. 8.
 Chuck. E. T. W. Jahrl. 2,459,649, Jan. 18.
 Chuck. E. J. Johansson. 2,466,315, Apr. 5.
 Chuck. J. A. W. Madsen. 2,488,673, Nov. 22.
 Chuck. A. A. Meyer. 2,479,584, Aug. 23.
 Chuck. J. M. Petre and J. O. Olsen. 2,476,762, July 19.
 Chuck. K. Rauch. 2,462,284, Feb. 22.
 Chuck. J. Y. Scott, F. P. Healy, and E. A. Allen. 2,479,973, Aug. 23.
 Chuck. W. G. Sherman. 2,468,946, May 3.
 Chuck. D. G. Soussloff and H. C. Haag. 2,477,773, Aug. 2.
 Chuck. D. Stalhandske. 2,469,014, May 3.
 Chuck. A. Thalmann. 2,475,861, July 12.
 Chuck. I. V. Thulin. 2,460,858, Feb. 8.
 Chuck. W. D. Walters. 2,467,569, Apr. 19.
 Chuck. J. L. Young. 2,467,606, Apr. 19.
 Chuck. F. G. Zagar. 2,466,651, Apr. 5.
 Chuck adapter for portable electric tools. R. Happe and E. P. Turner. 2,465,309, Mar. 22.
 Chuck, Air. R. E. La Pointe. 2,469,198, May 3.
 Chuck, Air operated. J. B. Amstutz and O. E. Fieroh. 2,474,771, June 28.
 Chuck and key therefor, Drill. J. C. Hinton. 2,467,827, Apr. 19.
 Chuck and machine tool, Combined magnetic. S. Karasick. 2,464,317, Mar. 15.
 Chuck, Automatic lathe. J. F. Marshall. 2,474,633, June 28.
 Chuck, Balancing machine. D. Kelleher. 2,464,871, Mar. 22.
 Chuck, Centering pressure. C. R. Ramsey. 2,479,405, Aug. 16.
 Chuck, Centrifugal. H. C. Edwards. 2,481,094, Sept. 6.
 Chuck, Clutch. C. D. Byrd. 2,466,372, Apr. 5.
 Chuck, Collet. M. L. and S. S. Benjamin. 2,465,837, Mar. 29.
 Chuck, Collet. D. W. Bloomquist. 2,458,889, Jan. 11.
 Chuck, Collet. C. E. Drew. 2,491,167, Dec. 13.
 Chuck, Collet. A. M. Stoner. 2,466,129, Apr. 5.
 Chuck, Combination diaphragm and clamp. T. H. Ljunggren and G. M. Green. 2,473,380, June 14.
 Chuck, Crankshaft. W. R. Meyer and H. J. Siekmann. 2,471,162, May 24.
 Chuck, Diaphragm. G. and E. F. Hohwart. 2,460,577, Feb. 1.
 Chuck, Diaphragm. G. and E. F. Hohwart. 2,462,501, Feb. 22.
 Chuck, Diaphragm. G. and E. F. Hohwart. 2,464,507, Mar. 15.
 Chuck, Diaphragm. G. and E. F. Hohwart. 2,491,611, Dec. 20.
 Chuck, Diaphragm. G. and E. F. Hohwart. 2,492,640, Dec. 27.
 Chuck, Drill. A. Norige. 2,458,626, Jan. 11.
 Chuck, Expanding. S. H. Stupakoff and R. E. Stark. 2,466,974, Apr. 12.
 Chuck, Flexible jaw. E. J. Krupp. 2,483,208, Sept. 27.
 Chuck for centrifugal casting machines, Centering. J. A. Cavallier. 2,487,424, Nov. 8.
 Chuck for gripping bars. A. Cauchois. 2,481,289, Sept. 6.
 Chuck for lathes and the like machine tools. S. L. Casella. 2,462,465, Feb. 22.
 Chuck for retaining tubular members on spindles. C. E. Oster. 2,466,472, Apr. 5.
 Chuck for wood bit braces. W. F. Sawyer. 2,468,465, Apr. 26.
 Chuck, Hand-piece. M. S. Lundsten. 2,460,302, Feb. 1.
 Chuck, Hydraulic. W. J. A. McKay and A. J. Koon. 2,457,909, Jan. 4.
 Chuck, Independent leverage. W. A. Ashton. 2,473,935, June 21.
 Chuck mechanism. E. G. Gartin. 2,477,054, July 26.
 Chuck or mandrel, Expanding. G. L. Sanderson, K. K. Nielsen, and C. Campbell. 2,464,156, Mar. 8.
 Chuck, Polishing. G. Bolduc. 2,472,399, June 7.
 Chuck, Precision. H. Dietz. 2,463,857, Mar. 8.
 Chuck, Precision. W. F. Klemm. 2,483,496, Oct. 4.
 Chuck, Quick grip. E. J. Johansson. 2,476,874, July 19.
 Chuck reconditioning device. L. B. Brown. 2,459,914, Jan. 25.
 Chuck, Self-locking. H. L. Proctor. 2,470,720, May 17.
 Chuck, Snap. W. Anest. 2,472,184, June 7.
 Chuck, Suction. E. O. Eriksson. 2,469,817, May 10.
 Chuck, Suction-operated. J. M. Wyer. 2,474,508, June 28.
 Chuck, Tap. M. L. Benjamin. 2,465,836, Mar. 29.
 Chuck, Toolholding. A. A. Panyard. 2,481,945, Sept. 13.
 Chuck, Two-way adjustable four jaw lathe. R. R. De Martin. 2,464,854, Mar. 22.
 Chucking apparatus. E. J. Robichaud. 2,475,519, July 5.
 Chucking mechanism, Center drive lathe power. W. R. Meyer and H. J. Siekmann. 2,473,108, June 14.
 Churn, Lather. G. C. Mumford. 2,489,044, Nov. 22.
 Chute, Arc. J. D. Wood. 2,468,422, Apr. 26.
 Chute, Bottle. E. W. Maynard and L. P. Di Giacomo. 2,461,290, Feb. 8.
 Chute, Circular frame pilot. H. J. Moran. 2,483,425, Oct. 4.
 Chute, Flexible. W. H. Nobles. 2,488,679, Nov. 22.
 Chute, Flexible ammunition. H. B. Lewis and G. M. Larson. 2,473,716, June 21.
 Chute, Flexible feed. C. B. Pearson and G. R. Sandstrom. 2,477,264, July 26.
 Chute for accounting machine record strips, Paper. P. Spurlino, J. Gantner, and W. J. Kreider. 2,487,901, Nov. 15.
 Chute for animals, Restraining. A. C. Thompson and C. Gill. 2,478,888, Aug. 9.
 Chute for loading materials, Segmental. J. O'Halloran. 2,472,308, June 7.
 Chute for trucks, Material unloading. J. W. Davis. 2,490,212, Dec. 6.
 Chute, Tilting animal. R. C. Keirse. 2,483,909, Oct. 4.
 Cigar machine. J. P. Durning. 2,470,766, May 24.
 Cigarette and cigar case. S. J. Levi. 2,482,920, Sept. 27.
 Cigarette and match case. H. L. Auten. 2,458,923, Jan. 11.
 Cigarette and match case, Combined. B. B. Williams. 2,484,327, Oct. 11.
 Cigarette case. G. H. Allen. 2,467,923, Apr. 19.
 Cigarette case. A. B. Harris. 2,483,460, Oct. 4.
 Cigarette case. J. L. Lebach. 2,491,617, Dec. 20.
 Cigarette case. N. E. Olin. 2,467,048, Apr. 12.
 Cigarette case. M. Orlin. 2,492,708, Dec. 27.
 Cigarette case with secret pocket. S. Kne. 2,486,788, Nov. 1.
 Cigarette container. D. H. Bell. 2,460,730, Feb. 1.
 Cigarette dispenser. E. H. Barmore. 2,483,609, Oct. 4.
 Cigarette dispenser. E. Defourneaux. 2,464,966, Mar. 22.
 Cigarette dispenser. E. G. Gantner and D. James. 2,479,340, Aug. 16.
 Cigarette extinguisher. M. de la Torre. 2,487,529, Nov. 8.
 Cigarette holder. H. C. Newcom. 2,462,333, Feb. 22.
 Cigarette holder. G. R. Penn. 2,466,269, Apr. 5.
 Cigarette or tobacco package and ash tray, Combined. T. J. Bryan. 2,462,160, Feb. 22.
 Cigarette paper container. G. W. Kent. 2,488,411, Nov. 15.
 Cigarette retainer, Flexible. W. Tamoschat. 2,491,427, Dec. 13.
 Cigarette tobacco feed. C. Arelt. 2,488,844, Nov. 22.
 Cinch with spreader. A. F. Holly. 2,483,316, Sept. 27.
 Cinematograph projection and sound-reproducing apparatus. J. A. Descombes. 2,459,628, Jan. 18.
 Cinematography, Color. H. von Fraunhofer and H. E. Coote. 2,480,793, Aug. 30.

- Cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols, Separation of. H. E. Johnson. 2,459,432, Jan. 18.
- Cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols, Separation of. H. E. Johnson and H. M. Spurlin. 2,459,433, Jan. 18.
- Ciphering and checking device. H. J. Nichols. 2,458,406, Jan. 4.
- Ciphering system, Mechanical. A. H. Reiber. 2,458,734, Jan. 11.
- Circuit: *See*—
- Alternating current pulser circuit.
 - Amplifier control circuit.
 - Automatic frequency control circuit.
 - Automatically controlled interrupter circuit.
 - Automobile lighting circuit.
 - Bearing sweep amplifier circuit.
 - Cathode-ray beam deflecting circuit.
 - Cathode-ray circuit.
 - Cathode-ray deflection circuit.
 - Cathode-ray tube circuit.
 - Cathode-ray tube focusing circuit.
 - Cathode-ray tube sweep circuit.
 - Cell testing circuit.
 - Compensatory electrical control circuit.
 - Condenser induction motor circuit.
 - Constant current circuit.
 - Control circuit.
 - Controlled output circuit.
 - Counting tube transfer circuit.
 - Current control circuit.
 - Current interrupting circuit.
 - Deflection circuit.
 - Direct current insertion circuit.
 - Discharge initiating circuit.
 - Discriminator circuit.
 - Distributor phase corrector circuit.
 - Electric control circuit.
 - Electric valve excitation and control circuit.
 - Electric vibratory converter circuit.
 - Electrical circuit.
 - Electrical control circuit.
 - Electrical pulse time modulation circuit.
 - Electrical valve excitation circuit.
 - Electrical wave producing circuit.
 - Electronic circuit.
 - Electronic counter circuit.
 - Electronic cycle counting circuit.
 - Electronic pulse shaping circuit.
 - Electronic signal shaping circuit.
 - Electronic time delay circuit.
 - Fence charging circuit.
 - Flow control circuit.
 - Fluorescent lamp circuit.
 - Follow-up motor control circuit.
 - Frequency divider circuit.
 - Frequency measuring circuit.
 - Frequency selection circuit.
 - Frequency sensitive circuit.
 - Gaseous tube flasher circuit.
 - Heater controlling circuit.
 - High-frequency bridge circuit.
 - High-frequency tunable circuit.
 - High stability receiver circuit.
 - House wiring circuit.
 - Hydraulic circuit.
 - Hydraulic motor control circuit.
 - Ignition circuit.
 - Index pulse generating circuit.
 - Indicating circuit.
 - Indicator circuit.
 - Ionization chamber circuit.
 - Keyer circuit.
 - Load responsive control circuit.
 - Loop antenna circuit.
 - Low impedance switch circuit.
 - Mixing circuit.
 - Modulator circuit.
 - Motor control circuit.
 - Motor speed regulating circuit.
 - Multiair electric welding circuit.
 - Negative feedback amplifying circuit.
 - Oscillation generator control circuit.
 - Oscillatory circuit.
 - Oscillograph control circuit.
 - Oscilloscope sweep circuit.
 - Pass band width control circuit.
 - Phase comparator circuit.
 - Phase shifter circuit.
 - Phototube power supply circuit.
 - Plural function circuit.
 - Pneumatic lockout circuit.
 - Polyphase supply circuit.
 - Potentiometric circuit.
 - Protective coupling circuit.
 - Pulse generating circuit.
 - Pulse receiving circuit.
 - Pulse shape modifying circuit.
 - Pulser circuit.
 - Pulsing circuit.
 - Quadrature phase shifting circuit.
 - Radio beacon keying circuit.
 - Radio-frequency testing circuit.
 - Radio receiver noise discriminating circuit.
 - Reactance tube circuit.
 - Receiver input circuit.
 - Receiver protection circuit.
 - Regulator circuit.
 - Relay circuit.
 - Relay distributing circuit.
 - Scanning circuit.
 - Seismograph blaster time breaker circuit.
 - Selective carrier off noise suppression circuit.
 - Signal translator blocking circuit.
 - Signaling circuit.
 - Slant range computing circuit.
 - Smoothing and differentiating circuit.
 - Split-phase motor reversing circuit.
 - Spread band tuning circuit.
 - Stabilizing circuit.
 - Subscriber ringing circuit.
 - Sweep circuit.
 - Telephone circuit.
 - Television picture mixing circuit.
 - Test circuit.
 - Testing circuit.
 - Thermionic valve circuit.
 - Thermostat control circuit.
 - Timing circuit.
 - Transformer control circuit.
 - Tunable circuit.
 - Tunable lecher circuit.
 - Tunable unit for high-frequency circuit.
 - Ultra high frequency amplifying circuit.
 - Ultra high frequency mixer circuit.
- Circuit: *See*—Continued.
- Variable frequency magnetron circuit.
 - Variable transconductance amplifying circuit.
 - Vibrator circuit.
 - Vibrator test circuit.
 - Voice operated control circuit.
 - Voltage multiplier circuit.
 - Circuit and a safety switch therefor, Electric. J. P. Wall. 2,492,077, Dec. 20.
 - Circuit and apparatus, Broadcast receiving. E. M. Callender. 2,488,008, Nov. 22.
 - Circuit and radiator, Resonant. N. W. Aram. 2,465,416, Mar. 29.
 - Circuit and starter for electric discharge devices. E. Lemmers. 2,479,173, Aug. 16.
 - Circuit and unit, Safety starter. I. S. Jacobsen. 2,492,575, Dec. 27.
 - Circuit apparatus, Railway track. R. M. Gilson and P. N. Martin. 2,469,960, May 10.
 - Circuit apparatus, Track. P. N. Martin. 2,465,691, Mar. 29.
 - Circuit arranged to simultaneously test a selected group of trunks, Relay selector. H. E. Grimes. 2,458,262, Jan. 4.
 - Circuit-arrangement adapted to visualise direct voltages on the screen of a cathode-ray oscillograph. A. Jacobs. 2,466,590, Apr. 5.
 - Circuit arrangement comprising a push-pull oscillatory circuit for very short waves. M. J. O. Strutt and J. M. van Hofweegen. 2,463,440, Mar. 1.
 - Circuit arrangement embodying cathode-ray tubes. E. W. Bull and M. E. Pemberton. 2,467,009, Apr. 12.
 - Circuit arrangement for cathode-ray tubes. F. H. Taylor. 2,465,406, Mar. 29.
 - Circuit arrangement for changing the frequency of electrical oscillations. M. J. O. Strutt and A. van der Ziel. 2,486,076, Oct. 25.
 - Circuit arrangement for compensating the aerial effect of directional antennae. T. W. LaRiviere. 2,460,357, Feb. 1.
 - Circuit arrangement for deflecting the cathode-ray beams in cathode-ray tubes. A. J. W. M. van Overbeek. 2,488,452, Nov. 15.
 - Circuit arrangement for electronic tube operating on dynamic grid current principles. J. A. Sargrove. 2,485,925, Oct. 25.
 - Circuit arrangement for modulating an electric signal. G. Hepp. 2,470,893, May 24.
 - Circuit arrangement for producing a saw-tooth current in inductance coils. J. Haantjes and J. J. P. Valetton. 2,489,374-5, Nov. 29.
 - Circuit arrangement for producing a saw-tooth current in the deflection coil of a cathode-ray tube and for producing a direct voltage for this tube. J. Haantjes and B. W. V. Schenau. 2,474,666, June 28.
 - Circuit arrangement for producing a sine wave voltage from a pulse waveform. L. W. Germany. 2,461,637, Feb. 15.
 - Circuit arrangement for stabilizing a frequency-modulated oscillator. G. Hepp. 2,491,922, Dec. 20.
 - Circuit arrangement for varying the inductance of coils. W. W. Boelens, G. Hepp, J. van Slooten, and B. W. van Ingen Schenau. 2,488,370, Nov. 15.
 - Circuit arrangement, High-frequency amplifying. M. J. O. Strutt and A. van der Ziel. 2,478,021, Aug. 2.
 - Circuit arrangement, Rectifier. D. M. Duinker. 2,467,116, Apr. 12.
 - Circuit arrangement, Tranceiver. D. J. Braak. 2,477,039, July 26.
 - Circuit breaker. B. O. Austin. 2,467,720, Apr. 19.
 - Circuit breaker. A. H. Baylis and H. L. Rawlins. 2,479,294, Aug. 16.
 - Circuit breaker. W. L. Butler. 2,465,789, Mar. 29.
 - Circuit breaker. J. M. Cumming. 2,470,604, May 17.
 - Circuit breaker. J. M. Cumming and D. C. Blewitt. 2,479,320, Aug. 16.
 - Circuit breaker. H. D. Dorfman and G. J. Freese. 2,458,151, Jan. 4.
 - Circuit breaker. H. D. Dorfman and G. J. Freese. 2,459,629, Jan. 18.
 - Circuit breaker. G. J. Easley and R. O. Bonine. 2,470,608, May 17.
 - Circuit breaker. R. A. Gesellschaft. 2,464,303, Mar. 15.
 - Circuit breaker. J. W. Harrison. 2,467,745, Apr. 19.
 - Circuit breaker. H. A. Humpage. 2,459,427, Jan. 18.
 - Circuit breaker. W. D. Kyle, Jr., and A. Van Ryan. 2,462,753, Feb. 22.
 - Circuit breaker. H. I. Madden. 2,479,385, Aug. 16.
 - Circuit breaker. E. T. Platz. 2,471,837, May 31.
 - Circuit breaker. F. Short. 2,472,233, June 7.
 - Circuit breaker. J. M. Wallace, A. W. Edwards, and E. F. Beach. 2,483,602, Oct. 4.
 - Circuit breaker. E. G. Wise. 2,462,244, Feb. 22.
 - Circuit breaker. E. G. Wise. 2,467,797, Apr. 19.
 - Circuit breaker. J. J. Zeller. 2,476,648, July 19.
 - Circuit breaker, Air blast. F. Grünwald and E. M. Dakin. 2,481,996, Sept. 13.
 - Circuit breaker, Air blast electric. D. R. Davies. 2,486,127, Oct. 25.
 - Circuit breaker and hydraulic actuating means therefor. A. Van Ryan. 2,490,987, Dec. 13.
 - Voltage multiplying circuit.
 - Voltage regulator circuit.
 - Voltage regulator tube circuit.
 - Voltage responsive trip circuit.
 - Welding generator safety circuit.

- Circuit breaker and tripping device therefor, Multipole. T. M. Cole and W. H. Lantz, Jr. 2,487,637, Nov. 8.
- Circuit breaker, Automatic polyphase reclosing. L. S. Walle and L. J. Linde. 2,476,076, July 12.
- Circuit breaker, Automatic reclosing. W. D. Kyle, Jr., and C. Schindler. 2,459,327, Jan. 18.
- Circuit breaker, Automatic reclosing. W. D. Kyle, Jr., and C. Schindler. 2,468,498, Apr. 26.
- Circuit breaker, Automatic reclosing. W. D. Kyle, Jr., and C. Schindler. 2,477,067, July 26.
- Circuit breaker, Automatic trip. L. W. Dyer. 2,491,959, Dec. 20.
- Circuit breaker, Backfire. D. L. Miller. 2,474,487, June 28.
- Circuit breaker, Combined thermal-magnetic. K. Dannenberg. 2,473,196, June 14.
- Circuit breaker control system. C. M. Williams and B. I. Hayford. 2,476,938, July 19.
- Circuit breaker, Electric. R. Dupont. 2,488,275, Nov. 15.
- Circuit breaker, Electric. H. A. H. Nijland. 2,458,792, Jan. 11.
- Circuit breaker, Electric. S. R. Smith, Jr. 2,472,625, June 7.
- Circuit breaker, Electrical. J. F. O'Brien and J. B. Cataldo. 2,468,774, May 3.
- Circuit breaker, Electromagnetic trip. T. Lindstrom and G. G. Grissinger. 2,486,300, Oct. 25.
- Circuit breaker, Electronic. A. Volpigno. 2,460,860, Feb. 8.
- Circuit breaker, Fuse-plug type. S. Miller. 2,461,338, Feb. 8.
- Circuit breaker, Gas blast. E. Eichenberger. 2,469,459, May 10.
- Circuit breaker, Gas blast. K. Lerstrup. 2,491,821, Dec. 20.
- Circuit breaker mounting means. W. M. Scott, Jr. 2,472,961, June 14.
- Circuit breaker operating mechanism, Fluid actuated. T. R. Coggeshall. 2,479,315, Aug. 16.
- Circuit breaker, Reclosing. G. A. Matthews. 2,487,025, Nov. 1.
- Circuit breaker, Resettable. R. Carle. 2,487,422, Nov. 2.
- Circuit breaker, Resettable. W. K. Overturf. 2,461,126, Feb. 8.
- Circuit breaker, Resettable overload. R. C. Ingwersen. 2,492,382, Dec. 27.
- Circuit breaker, Reverse current. J. F. O'Brien and J. B. Cataldo. 2,462,892, Mar. 1.
- Circuit breaker, Screw-in. R. Ball. 2,469,492, May 10.
- Circuit breaker, Sectionalizing. C. E. Mosley and K. R. Brown. 2,488,601, Nov. 22.
- Circuit breaker system. E. Kern. 2,481,428, Sept. 6.
- Circuit breaker, Thermal. J. Kitman. 2,483,645-6, Oct. 4.
- Circuit breaker, Thermal-magnetic. H. H. Clayton. 2,491,088, Dec. 13.
- Circuit breaker, Thermal-magnetic. J. A. Favre. 2,490,514, Dec. 6.
- Circuit breaker, Trip-free electric. J. A. Favre. 2,489,085, Nov. 22.
- Circuit breaker with isolating switch. J. M. Cumming. 2,477,788, Aug. 2.
- Circuit breaker with temperature compensation. W. E. Stilwell, Jr. 2,490,103, Dec. 6.
- Circuit closure, Movable. N. E. Lindenblad. 2,467,758, Apr. 19.
- Circuit connecting device. R. B. Johnson. 2,478,274, Aug. 9.
- Circuit connection for the compensation of shunt multiphase commutator machines. V. Klifma. 2,491,568, Dec. 20.
- Circuit connector. A. D. Harnett. 2,463,033-4, Mar. 1.
- Circuit control, Automobile. C. H. Angus. 2,489,736, Nov. 29.
- Circuit control. H. A. Sherwood. 2,463,470, Mar. 1.
- Circuit control apparatus. O. L. Taylor. 2,486,843, Oct. 25.
- Circuit control, Electric motor protective. E. C. Slaughter. 2,481,956, Sept. 13.
- Circuit control means. H. A. Ziola. 2,483,866, Oct. 4.
- Circuit control plug. J. Kitman. 2,488,818, Nov. 22.
- Circuit control system, Bridge. W. A. Ray. 2,491,906, Dec. 20.
- Circuit controller. H. J. Lingal. 2,460,462, Feb. 1.
- Circuit controller, Electric. G. B. Lutz. 2,471,633, May 31.
- Circuit controller, Electric. C. A. Smith, Jr. 2,487,079, Nov. 8.
- Circuit controller, Hermetically-sealed rotary. I. C. Tillman. 2,467,243, Apr. 12.
- Circuit controller, Time-delay. J. O. Moorhead. 2,484,112, Oct. 11.
- Circuit controlling apparatus. C. L. Denault. 2,488,383, Nov. 15.
- Circuit controlling apparatus, Electric. J. Selby and G. O. I. Krieger. 2,488,337, Nov. 15.
- Circuit controlling device. G. W. Bower. 2,483,122, Sept. 27.
- Circuit controlling device, Flow responsive electric. L. R. Moore and K. B. Mitchell. 2,475,850, July 12.
- Circuit cutout, Thermostatically operated. C. F. McCracken. 2,478,541, Aug. 9.
- Circuit details, Automatic bomb release. M. V. Kiebert, Jr. 2,490,816, Dec. 13.
- Circuit drive, Trigger. W. H. Bliss. 2,478,683, Aug. 9.
- Circuit element and motor for driving the same. E. G. Seath and E. C. Klepp. 2,459,844, Jan. 25.
- Circuit element for tuning an electric circuit over a plurality of frequency bands. F. H. Gusdorf and A. Horowitz. 2,471,523, May 31.
- Circuit element, Laminated magnetic. P. H. J. Brouwer. 2,487,692, Nov. 8.
- Circuit for a balancing network, Indicator. H. M. Simons. 2,481,954, Sept. 13.
- Circuit for amusement games, Free-play control. L. A. Durant. 2,479,707, Aug. 23.
- Circuit for automatic telephone systems, Line. W. T. Powell. 2,489,539, Nov. 29.
- Circuit for balancing potential fluctuations. L. Blok. 2,466,299, Apr. 5.
- Circuit for cathode-ray apparatus deflection systems, Power recovery. A. W. Friend. 2,474,474, June 28.
- Circuit for cathode-ray tubes, Automatic positioning. W. Todd. 2,464,274, Mar. 15.
- Circuit for cathode-ray tubes, Deflection. K. Schlesinger. 2,459,187, Jan. 18.
- Circuit for cathode-ray tubes, Time base. R. Hilton. 2,476,978, July 26.
- Circuit for communication systems, Line finder control. P. R. Adams, and D. H. Ransom. 2,492,344, Dec. 27.
- Circuit for control apparatus, Sensitivity equalizing. R. F. Wild. 2,473,401, June 14.
- Circuit for determining bomb release course, Computing. S. Darlington. 2,479,909, Aug. 23.
- Circuit for determining bomb release points, Computing. C. H. Townes and D. E. Wooldridge. 2,488,448, Nov. 15.
- Circuit for determining carrier frequencies of frequency modulated signals. M. C. Pease. 2,478,311, Aug. 9.
- Circuit for die-casting presses, Fluid-pressure-responsive control. W. Ernst and P. J. Lindner. 2,465,580, Mar. 29.
- Circuit for different voltages, Heating. G. C. Pearce. 2,480,337, Aug. 30.
- Circuit for direct-current restoration, Double time-constant. V. J. Duke. 2,472,577, June 7.
- Circuit for electric discharge devices, Pulse starting. J. H. Campbell. 2,465,059, Mar. 22.
- Circuit for electric discharge devices, Starting and operating. W. F. Hodge. 2,462,320, Feb. 22.
- Circuit for electric discharge devices, Starting and operating. A. Mandl. 2,485,393, Oct. 18.
- Circuit for electrical instruments, Biased diode logarithmic compensating. M. H. Sweet. 2,492,901, Dec. 27.
- Circuit for evaluating cells. W. E. Scott. 2,463,321, Mar. 1.
- Circuit for fluid actuated motors, Control. R. K. Sedgwick and F. G. Cizek. 2,465,758, Mar. 29.
- Circuit for frequency modulated oscillators, Stabilizing. G. Hepp. 2,491,921, Dec. 20.
- Circuit for gas tubes, Control. C. H. Willis. 2,476,790, July 19.
- Circuit for gas turbine plants, Auxiliary make-up. W. Traupel. 2,467,167, Apr. 12.
- Circuit for generating a saw-tooth-like current in the deflecting coil of cathode-ray tubes. F. Kerkhof. 2,471,819, May 31.
- Circuits for generating electric impulses. F. H. Bray and F. E. Newton. 2,462,066, Feb. 22.
- Circuit for high-frequency receivers, Tuning. J. A. Worcester, Jr. 2,475,638, July 12.
- Circuit for high-voltage tubes, Protected transformer. H. H. Gates. 2,461,265, Feb. 8.
- Circuit for intercommunication systems, Thermionic vacuum tube. S. J. Klapman. 2,473,652, June 21.
- Circuit for low impedance loads, Electron tube power output. E. K. Stodola. 2,488,567, Nov. 22.
- Circuit for machine tools, Hydraulic operating. W. R. Tucker. 2,459,902, Jan. 25.
- Circuit for measuring, Alternating current compensator. G. V. A. Gustafsson and J. D. Malmqvist. 2,471,105, May 24.
- Circuit for performing a timing function, Electronic control. H. W. Lord. 2,471,826, May 31.
- Circuit for phase modulation of electric oscillations. G. Hepp. 2,486,843, Nov. 1.
- Circuit for piezoelectric crystals, Test. C. W. Harrison. 2,463,616, Mar. 8.
- Circuit for pulse transmission systems, Receiver protective. B. H. Klyce, Jr. 2,460,755, Feb. 1.
- Circuit for radio receivers, Band-spread tuning. H. Blok, and H. A. Broos. 2,492,519, Dec. 27.
- Circuit for regulating systems, Antihunt. M. S. Mead, Jr. 2,465,110, Mar. 22.
- Circuit for retentive type relays, Electric. G. C. Armstrong and O. L. Taylor. 2,486,240, Oct. 25.
- Circuit for sampling balanced signals. L. W. Hussey. 2,458,599, Jan. 11.
- Circuit for seismographs, Signal transmission. G. B. Loper. 2,467,624, Apr. 19.
- Circuit for stabilizing focus of magnetically focused cathode-ray tubes. L. J. Ullman. 2,459,602, Jan. 18.
- Circuit for stabilizing frequencies of transmitter-receiver systems. H. R. Cantelo. 2,460,781, Feb. 1.
- Circuit for suppressing noise components, Squelch. R. E. Schock. 2,460,786, Feb. 1.
- Circuit for telegraph repeaters, Antikickoff. W. T. Rea. 2,465,480, Mar. 29.

- Circuit for television deflecting systems, Automatic frequency control. H. A. Bass. 2,492,090, Dec. 20.
- Circuit for television film transmitters, Waveform compensating. C. E. Hallmark. 2,485,594, Oct. 25.
- Circuit for television transmitter systems, Vertical blanking. O. H. Schade. 2,471,903, May 31.
- Circuit for testing the value of a resistor, Electrical bridge. L. R. Goetz. 2,468,625, Apr. 26.
- Circuit for two-way signal transmission systems, Voice operated control. R. H. Herrick. 2,468,552, Apr. 26.
- Circuit for ultra high frequency receivers, Detector-oscillator. G. W. Fyler. 2,479,537, Aug. 16.
- Circuit for wide band amplifiers, Phase and amplitude control. J. J. Mahoney, Jr. 2,464,594, Mar. 15.
- Circuit having folded anode inductors, Electron discharge. C. J. Starnier. 2,463,724, Mar. 8.
- Circuit, including a switch and plug mechanism, Electrical. W. J. Bauroth. 2,467,458, Apr. 19.
- Circuit interrupter. B. P. Baker and J. M. Cumming. 2,477,781, Aug. 2.
- Circuit interrupter. B. P. Baker and W. M. Leeds. 2,462,708, Feb. 22.
- Circuit interrupter. B. P. Baker and H. J. Webb. 2,491,945, Dec. 20.
- Circuit interrupter. R. M. Bennett. 2,460,118, Jan. 25.
- Circuit interrupter. J. M. Cumming. 2,460,450, Feb. 1.
- Circuit interrupter. J. M. Cumming. 2,462,724, Feb. 22.
- Circuit interrupter. J. M. Cumming. 2,465,203, Mar. 22.
- Circuit interrupter. O. B. Curry. 2,491,956, Dec. 20.
- Circuit interrupter. G. J. Easley. 2,462,733, Feb. 22.
- Circuit interrupter. R. E. Friedrich. 2,465,218, Mar. 22.
- Circuit interrupter. R. E. Friedrich. 2,470,611, May 17.
- Circuit interrupter. F. J. Fry. 2,463,029, Mar. 1.
- Circuit interrupter. W. M. Leeds. 2,465,240, Mar. 22.
- Circuit interrupter. W. M. Leeds. 2,488,131, Nov. 15.
- Circuit interrupter. R. H. Leitzel. 2,467,756, Apr. 19.
- Circuit interrupter. L. R. Ludwig and B. P. Baker. 2,479,381, Aug. 16.
- Circuit interrupter. L. R. Ludwig, B. P. Baker, and W. M. Leeds. 2,467,760, Apr. 19.
- Circuit interrupter. L. R. Ludwig, H. J. Webb, and B. P. Baker. 2,470,628, May 17.
- Circuit interrupter. O. von Mehren. 2,462,791, Feb. 22.
- Circuit interrupter. J. Sandin, J. K. Kraft, and H. L. Rawlins. 2,459,588, Jan. 18.
- Circuit interrupter. A. P. Strom. 2,459,599, Jan. 18.
- Circuit interrupter. A. P. Strom. 2,477,837, Aug. 2.
- Circuit interrupter. A. P. Strom. 2,488,569, Nov. 22.
- Circuit interrupter. R. C. Van Sickle. 2,467,788, Apr. 19.
- Circuit interrupter. J. M. Wallace, H. L. Rawlins, J. M. Cummings, and W. S. Aspey. 2,468,852, May 3.
- Circuit interrupter. J. R. and H. J. Webb. 2,462,795, Feb. 22.
- Circuit interrupter, Air blast. R. E. Frink. 2,491,964, Dec. 20.
- Circuit interrupter, Compressed gas. B. P. Baker. 2,459,612, Jan. 18.
- Circuit interrupter, Compressed gas. A. P. Strom. 2,459,600, Jan. 18.
- Circuit interrupter, Electric. C. H. Hodgkins. 2,465,230, Mar. 22.
- Circuit interrupter, Electric. S. R. Smith, Jr. 2,458,307, Jan. 4.
- Circuit interrupter, Fluid pressure operated. L. R. Ludwig, H. M. Wilcox, and R. H. Leitzel. 2,479,380, Aug. 16.
- Circuit interrupter, High-voltage. R. H. Amundson. 2,460,967, Feb. 8.
- Circuit interrupter, High-voltage. R. H. Earle and R. H. Amundson. 2,459,691, Jan. 18.
- Circuit interrupter, Multiple break. W. M. Leeds and J. M. Cumming. 2,477,810, Aug. 2.
- Circuit interrupter, Push button operated. L. Pierce. 2,473,901, June 21.
- Circuit interrupter, Reclosing. J. M. Wallace and H. L. Rawlins. 2,475,765, July 12.
- Circuit interrupters, Reclosing. J. M. Wallace. 2,468,851, May 3.
- Circuit interrupting device. E. F. Kohl. 2,472,332, June 7.
- Circuit maker and breaker, Electromagnetic. E. T. Burton. 2,483,723, Oct. 4.
- Circuit maker and breaker. C. G. Reinschmidt. 2,478,781, Aug. 9.
- Circuit maker, Periodical. V. L. Westberg. 2,468,696, Apr. 26.
- Circuit means for telephone repeaters. W. E. Harding. 2,463,379, Mar. 1.
- Circuit means, Power supply. C. J. Mullin. 2,478,303, Aug. 9.
- Circuit protector. J. D. Burke. 2,491,032, Dec. 13.
- Circuit protector. E. V. Sundt. 2,458,804, Jan. 11.
- Circuit tester, Blasting cap. J. E. Bondurant. 2,492,459, Dec. 27.
- Circuit testing device, Vest-pocket. N. N. Okun. 2,458,628, Jan. 11.
- Circuit to avoid distortion, Oscillograph. M. Maron. 2,473,718, June 21.
- Circuit to modulate a signal, Oscillograph. M. Maron. 2,484,107, Oct. 11.
- Circuit tuner. J. G. Beard and R. F. Dressler. 2,469,324, May 3.
- Circuit-tuning apparatus, Automatic. D. E. Sunstein. 2,468,350, Apr. 26.
- Circuit unit, Electric. R. R. Roup. 2,461,658, Feb. 15.
- Circuit using cathode follower feed-in stages, Mixer. R. B. Reade and D. D. Grieg. 2,471,449, May 31.
- Circuit using gaseous discharge tubes, Cascade amplifying. P. W. Stutsman. 2,468,417, Apr. 26.
- Circuit using high-temperature coefficient resistance elements, Control. P. K. Chatterjea and C. T. Scully. 2,465,352, Mar. 29.
- Circuit with dual pressure control, Hydraulic. M. W. Huber. 2,462,971, Mar. 1.
- Circuits, Alarm. V. S. Rutherford. 2,487,675, Nov. 8.
- Circuits, Cathode-ray beam deflecting. H. J. Heim. 2,464,393, Mar. 15.
- Circuits, Coded track. C. B. Shields. 2,458,746, Jan. 11.
- Circuits, comprising electric discharge devices, Electric. J. M. Ferguson. 2,487,923, Nov. 15.
- Circuits, Computing. I. E. Grosdoff. 2,485,825, Oct. 25.
- Circuits, Counting and timing. E. D. Burlingame and M. G. Nicholsen Jr. 2,483,620, Oct. 4.
- Circuits, Deflection. W. J. Poch. 2,479,081, Aug. 16.
- Circuits, Discriminator. K. Schlesinger. 2,475,991, July 12.
- Circuits, Electric control. E. M. Gardiner and O. W. Livingston. 2,460,127, Jan. 25.
- Circuits, Electric motor control. J. E. Ostline. 2,492,435, Dec. 27.
- Circuits, Electric time base. C. L. Richards. 2,467,699, Apr. 19.
- Circuits, Electric valve control. M. E. Bivens. 2,473,238, June 14.
- Circuits, Electrical. D. P. Faulk. 2,473,640, June 21.
- Circuits, Electrical. K. J. Stiefel. 2,480,681, Aug. 30.
- Circuits, Electrical. P. W. Stutsman. 2,480,684, Aug. 30.
- Circuits, Electrical timing. J. C. Tellier. 2,491,428, Dec. 13.
- Circuits, Flasher. E. V. Sundt. 2,465,131, Mar. 22.
- Circuits for comparing electrical quantities. G. J. Scoles. 2,487,603, Nov. 8.
- Circuits for electric discharge devices, Starting and operating. R. V. Mills, M. G. Clarke, and H. R. Ruff. 2,462,328, Feb. 22.
- Circuits for pulsing essentially capacitive loads. A. M. Zarem and W. R. Marshall. 2,464,279, Mar. 15.
- Circuits for radio locators, Comparator. R. C. Sanders, Jr. 2,459,457, Jan. 18.
- Circuits for telephone systems, Voice frequency signaling. C. E. Beale and H. E. Hopley. 2,486,100, Oct. 25.
- Circuits, Frequency discriminator. E. L. C. White. 2,480,799, Aug. 30.
- Circuits, Frequency divider. W. J. O'Brien. 2,483,556, Oct. 4.
- Circuits, Frequency response. R. W. Beckwith. 2,461,956, Feb. 15.
- Circuits, Gate distributor. L. A. Meacham. 2,486,491, Nov. 1.
- Circuits, High-efficiency multivibrator. C. E. McClellan. 2,465,249, Mar. 22.
- Circuits, Locked-in oscillator. M. S. Corrington. 2,488,584, Nov. 22.
- Circuits, High-intensity electron flash tube. R. U. Clark. 2,485,037, Oct. 18.
- Circuits, High-intensity pulsing. D. E. Watts. 2,487,768, Nov. 8.
- Circuits, Lighting control. G. C. Izenour. 2,463,463, Mar. 1.
- Circuits, Oscillator. W. E. Bradley and J. C. Tellier. 2,469,811, May 10.
- Circuits, Photoflash. J. M. Spinks. 2,464,188, Mar. 8.
- Circuits providing a standard voltage, Photometer lamp. R. W. G. Hunt. 2,478,399, Aug. 9.
- Circuits, Pulse. R. Proskauer. 2,464,259, Mar. 15.
- Circuits, Pulse integrating. J. R. Day. 2,474,040, June 21.
- Circuits, Radio-frequency oscillator power supply. R. D. Boadle. 2,459,988, Jan. 25.
- Circuits, Radio transmitting. H. Moss. 2,491,754, Dec. 20.
- Circuits, Radio-frequency converting. S. H. M. Dodington. 2,489,273, Nov. 29.
- Circuits, Rate. P. Halpert, C. A. Frische, J. L. Bird, and O. E. Esval. 2,462,095, Feb. 22.
- Circuits, Relay control. S. V. Hart. 2,484,342, Oct. 11.
- Circuits, Thermionic valve. Z. K. Hass. 2,491,107, Dec. 13.
- Circuits, Tunable electrical. M. J. O. Strutt and J. M. van Hofwegen. 2,473,310, June 14.
- Circuits, Voltage doubler. W. G. Bird. 2,463,509, Mar. 8.
- Circuits, Voltage regulator. C. E. Smith. 2,477,946, Aug. 2.
- Circuits with double control, Amplifier. J. L. H. Jonker and P. H. J. A. Kleynen. 2,473,754, June 21.
- Circulating apparatus, Liquid. W. Kurz. 2,460,757, Feb. 1.
- Circulating fan support. M. E. Marsalis. 2,488,306, Nov. 15.
- Circulating system, Refrigerant. M. G. Shoemaker and R. M. Hall. 2,489,680, Nov. 29.
- Circulating unit, Turbine driven fluid. H. J. Wood. 2,492,672, Dec. 27.
- Circulation control for boilers. R. M. Nalven. 2,464,750, Mar. 15.
- Circulator, Air. M. Weber. 2,463,337, Mar. 1.
- Circulator, Liquid. B. Essick. 2,459,312, Jan. 18.
- Circumcision clamp. T. P. De Palo. 2,471,864, May 31.

- Circumference and center point marker. I. N. Opreescu. 2,492,367, Dec. 27.
- Citric acid by fermentation, Production of. R. L. Snell, and L. B. Schweiger. 2,492,667, Dec. 27.
- Citrus waste press water, Treatment of. G. N. Pulley. 2,471,893, May 31.
- Clamp: See—
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| Adjustable beam clamp. | Hole clamp. |
| Adjustable clamp. | Hose clamp. |
| Adjustable hitch clamp. | Machinist's clamp. |
| Air valve clamp. | Magnetic welder's ground clamp. |
| Automatic clamp. | Photograph recording arm clamp. |
| Automatic release collar clamp. | Pipe clamp. |
| Band clamp. | Pipe support clamp. |
| Batten clamp. | Plunger actuated hold-down clamp. |
| Battery cable clamp. | Polish rod clamp. |
| Battery clamp. | Rack and pawl actuated quick-acting clamp. |
| Battery hold-down clamp. | Radiator clamp. |
| Battery post clamp. | Rod or pipe clamp. |
| Boat builder's clamp. | Rope clamp. |
| Brake shoe clamp. | Saw clamp. |
| Cable clamp. | Scaffolding clamp. |
| Cast core clamp. | Self-tightening rope clamp. |
| Chain clamp. | Semiautomatic woven wire clamp. |
| Circumcision clamp. | Service clamp. |
| Combined core and coil clamp. | Snap clamp. |
| Connector clamp. | Straight beam adjustable jaw quick release clamp. |
| Core clamp. | Supporting clamp. |
| Dental clamp. | Suspension clamp. |
| Detachable battery cover clamp. | Take-up clamp. |
| Draw clamp. | Tool clamp. |
| Drill press clamp. | V-belt tensioning clamp. |
| Drop wire clamp. | Wheel clamp. |
| Electrode clamp. | Weiser's clamp. |
| Exhaust manifold clamp. | |
| Film sprocket clamp. | |
| Flexible clamp. | |
| Hoist clamp. | |
- Clamp. C. S. Card. 2,471,305-6, May 24.
- Clamp. H. Cohen. 2,462,721, Feb. 22.
- Clamp. W. T. Graham. 2,464,225, Mar. 15.
- Clamp. E. M. Housepian. 2,468,823, May 3.
- Clamp. G. Janson, Jr. 2,465,378, Mar. 29.
- Clamp. T. Lawrence. 2,492,586, Dec. 27.
- Clamp. M. S. Lipman and W. W. Godon. 2,474,431, June 28.
- Clamp. F. Marques and S. Odabashian. 2,479,634, Aug. 23.
- Clamp. A. J. Park. 2,473,764, June 21.
- Clamp. P. M. Rasmussen. 2,489,323, Nov. 29.
- Clamp. K. Reiner and A. Braga. Re. 23,163, Nov. 1.
- Clamp. K. Reiner and A. Braga. 2,459,452, Jan. 18.
- Clamp. H. W. Ruchmeyer. 2,483,274, Sept. 20.
- Clamp. Z. E. Snow. 2,457,931, Jan. 4.
- Clamp actuating mechanism for stove jointers. W. R. Butterworth, Jr. 2,475,475, July 5.
- Clamp attachment for portable drills. F. M. Liebau. 2,462,979, Mar. 1.
- Clamp for applying and removing jar covers. E. N. Archer. 2,458,329, Jan. 4.
- Clamp for attachment to tubular lamps, Lamp-rotating. R. T. Riker and J. H. Molat. 2,472,858, June 14.
- Clamp for cement form panels. A. J. Harder. 2,461,733, Feb. 15.
- Clamp for clothesline props. J. F. Sterling. 2,480,389, Aug. 30.
- Clamp for conduit supports, Beam. H. L. and O. C. Kindorf. 2,470,992, May 24.
- Clamp for denture flasks. F. C. Montuori. 2,477,197, July 26.
- Clamp for electrodynamic loud-speakers, Support. J. P. Quam. 2,475,516, July 5.
- Clamp for flexible electrical conductors, Nonabrasive. A. Sandy. 2,475,339, July 5.
- Clamp for holding electric lamps, Spring. G. F. Grice. 2,458,371, Jan. 4.
- Clamp for holding spaced ice-cream cans. E. S. Curtis. 2,483,038, Sept. 27.
- Clamp for installing clutch shaft flange rings on a clutch shaft flange, Ring. L. H. Garner. 2,484,025, Oct. 11.
- Clamp for lamp holders, Assembly. P. J. Lepore. 2,465,326, Mar. 22.
- Clamp for lift trucks. F. J. Avery. 2,475,367, July 5.
- Clamp for pressing machines, Cover. H. W. Winters. 2,473,085, June 14.
- Clamp for railroad car axles, Reamer. E. L. Bowen. 2,459,013, Jan. 11.
- Clamp for repairing musical instruments. W. H. Meier. 2,464,599, Mar. 15.
- Clamp for rods and tubular members. H. Héritier. 2,460,176, Jan. 25.
- Clamp for slip joints, Channel type. R. I. Markey. 2,460,646, Feb. 1.
- Clamp for tires, Safety ring. L. Monheit. 2,476,209, July 12.
- Clamp for warp beams, Yarn. K. Kadish. 2,478,763, Aug. 9.
- Clamp for warp tying machines, Loading. C. B. Crandall. 2,482,155, Sept. 20.
- Clamp for welding, Aligning. D. C. Holt. 2,469,965, May 10.
- Clamp having jaws adjustably mounted on resilient door-supporting plate. J. M. Sutter. 2,487,742, Nov. 8.
- Clamp having spring-pressed movable jaw actuated by cam-advanced and spring-retracted pressure plate. R. C. Shipley. 2,467,600, Apr. 19.
- Clamp mechanism for straightening sheet metal bodies. F. J. Hauschild. 2,463,966, Mar. 8.
- Clamp on box hanger, All-purpose. L. E. and C. S. Huffman. 2,464,314, Mar. 15.
- Clamp or anchorage. F. G. Krueger. 2,466,901, Apr. 12.
- Clamp or ligature for clarinets, saxophones, and similar instruments. W. A. Stalowski. 2,483,327, Sept. 27.
- Clamp pads, Making warp beam head. C. P. Bergstrom. 2,480,214, Aug. 30.
- Clamp unit, Welding. L. Talbot. 2,477,319, July 26.
- Clamped switch. B. Volgovskoy and A. C. Halter. 2,482,305, Sept. 20.
- Clamping and dust-sealing means, Conveyer cover. E. P. Escher. 2,459,770, Jan. 18.
- Clamping apparatus, Collar. H. D. Forse. 2,469,226, May 3.
- Clamping apparatus for tension locked printing plates. P. L. Tollison and C. L. Ricards. 2,474,127, June 21.
- Clamping device. J. E. Giles. 2,483,697, Oct. 4.
- Clamping device. J. E. Giles and P. V. Reynolds. 2,477,297, July 26.
- Clamping device. A. A. MacDonald. 2,463,787, Mar. 8.
- Clamping device. A. E. McElroy. 2,480,755, Aug. 30.
- Clamping device, Cable. C. R. Pieper. 2,473,071, June 14.
- Clamping device, Clothesline. G. Pipia and J. Lee. 2,469,783, May 10.
- Clamping device for electron tubes and the like. A. Chiger. 2,461,198, Feb. 8.
- Clamping device for supporting a bundle of wires. G. A. Tinnerman. 2,491,290, Dec. 13.
- Clamping device for vacuum tube apparatus. B. M. Harrison. 2,474,976, July 5.
- Clamping device, Quick-acting screw actuated. W. Gordon. 2,463,263, Mar. 1.
- Clamping electrical conduits. R. K. Wellman. 2,487,912, Nov. 15.
- Clamping machine, Hose ferrule. R. W. Miller. 2,483,659, Oct. 4.
- Clamping machine parts to beds. D. W. Strom. 2,486,075, Oct. 25.
- Clamping means. C. L. Hardwick. 2,459,879, Jan. 25.
- Clamping means, Core. E. F. Goodrich. 2,459,374, Jan. 18.
- Clamping mechanism, Machine tool. B. R. Purvin. 2,482,126, Sept. 20.
- Clamping ring. G. E. Murphy. 2,474,062, June 21.
- Clamping sleeve, Flexible. E. Laesser. 2,460,510, Feb. 1.
- Clarifier. N. B. Bach. 2,467,003, Apr. 12.
- Clarifier, Liquid. G. J. Lipscomb. 2,479,126, Aug. 16.
- Clarifying mash. A. J. Strohmaier and C. L. Lovell. 2,461,938, Feb. 15.
- Clasp and spreader, Necktie. H. W. Kane. 2,491,737, Dec. 20.
- Clasp attached necktie fastener. W. E. Bliet. 2,465,787, Mar. 29.
- Clasp, Bracelet. D. Block. 2,471,300, May 24.
- Clasp, Bracelet. J. Cedar. 2,461,309, Feb. 8.
- Clasp, Bracelet. E. C. Ohl. 2,486,057, Oct. 25.
- Clasp, Cigarette and cigar tray. G. J. Kamphaus. 2,479,369, Aug. 16.
- Clasp for bracelets, Extensible. J. Dalo. 2,491,887, Dec. 20.
- Clasp for holding gloves, Spring. G. and I. Bloom. 2,490,405, Dec. 6.
- Clasp for necklaces, Safety. A. C. Teolis. 2,477,354, July 26.
- Clasp, Garment. A. Weis. 2,470,122, May 17.
- Clasp, Hair. A. J. Spokus. 2,481,791, Sept. 13.
- Clasp, Lingerie. L. F. McManis. 2,475,849, July 12.
- Clasp, Necktie. F. L. Bievenouer. 2,472,190, June 7.
- Clasp, Necktie. E. A. Kohout. 2,484,172, Oct. 11.
- Clasp or the like, Jewelry. H. Pommier. 2,460,531, Feb. 1.
- Clasp, Tie. J. F. Fontaine. 2,462,483, Feb. 22.
- Clasping means for frictionally holding articles in suspension. W. J. Rysiek. 2,483,303, Sept. 27.
- Classification of solids, Hydraulic. N. L. Davis, H. N. Ekbohm, and L. O. Millard. 2,482,747, Sept. 27.
- Classifier. A. C. Munro, Jr. 2,489,661, Nov. 29.
- Classifier, Annular horizontal current gravity liquid. F. E. Smith. 2,479,141, Aug. 16.
- Classifier for pulverized solid particles, Vortical gaseous-fluid type. W. A. Thomas. 2,484,255, Oct. 11.
- Classifying materials, Process and apparatus for. A. D. Sinden. 2,466,491, Apr. 5.
- Claw assembly for milking machines. J. R. Lowry. 2,490,366, Dec. 6.
- Claw pull-down mechanism. E. W. Kellogg and W. R. Isom. 2,484,348, Oct. 11.
- Claw unit for moving-picture apparatus, Presser and feeding. J. J. Broido. 2,485,255, Oct. 18.
- Clay catalysts, Preparation of. J. A. Pierce. 2,472,489, June 7.
- Clay catalysts, Preparation of. H. A. Shabaker, G. A. Mills, and R. C. Denison. 2,466,046-9, Apr. 5.
- Clay catalysts, Preparation of. H. A. Shabaker, G. A. Mills, and R. C. Denison. 2,466,052, Apr. 5.

- Clay, Modeling. M. R. McClatchey and E. M. Goodale. 2,482,986, Sept. 27.
- Clay, Preparation of acid activated. R. B. Secor. 2,470,872, May 24.
- Cleanout. C. A. Bahruth. 2,466,835, Apr. 12.
- Cleaner: See—
- Aerodynamic air cleaner. Portable electric rotary air cleaner. drain cleaner.
 - Auto vacuum cleaner. Portable window cleaner.
 - Automatic matrix cleaner. Rake cleaner.
 - Barn gutter cleaner. Sanitary drinking glass cleaner.
 - Boiler flue cleaner. Self-contained suction cleaner.
 - Bowling ball cleaner. Smoking pipe cleaner.
 - Centrifugal liquid cleaner. Spark plug cleaner.
 - Drill pipe cleaner. Spectacle lens cleaner.
 - Dust mop cleaner. Stationary filter type suction cleaner.
 - Garden rake trash cleaner. Suction cleaner.
 - Ingot mold cleaner. Track cleaner.
 - Movable filter type suction cleaner. Vacuum cleaner.
 - Oil cleaner. Windshield cleaner.
 - Pipe cleaner.
 - Pipestem cleaner.
 - Piston ring groove cleaner
- Cleaner and deepener, Piston ring groove. H. Ellison. 2,480,456, Aug. 30.
- Cleaner and fan therefor, Suction. C. H. Sparklin. 2,468,128, Apr. 26.
- Cleaner and holder, Mop. L. S. Thiel. 2,461,189, Feb. 8.
- Cleaner and rotary agitator therefor, Suction. C. E. Erickson. 2,476,537, July 19.
- Cleaner and trimmer for rotary welding electrodes. J. Glandis. 2,467,027, Apr. 12.
- Cleaner for carburetors, Air. E. Smith, N. Crabtree, S. Naylor, and H. J. Maw. 2,474,017, June 21.
- Cleaner for lubrication fittings. T. W. Warzynski. 2,479,796, Aug. 23.
- Cleaner for pipe lines. E. D. Wortham. 2,478,961, Aug. 16.
- Cleaner for power-driven rotary hand tools, especially dental burrs. E. E. Buskirk. 2,478,522, Aug. 9.
- Cleaner for pressure filters, Screen. U. E. Goodrich. 2,460,416, Feb. 1.
- Cleaner having rotary excavating conveyers, Culvert. N. Houtcooper. 2,491,562, Dec. 20.
- Cleaner or polisher, Bowling ball. V. Beaudette. 2,479,898, Aug. 23.
- Cleaners, Making tubing. R. C. Lister. 2,468,503, Apr. 26.
- Cleaning and activating compositions and use thereof in producing protective phosphate coatings on metal surfaces. G. W. Jernstedt. 2,490,062, Dec. 6.
- Cleaning and polishing apparatus. J. F. Waters. 2,466,520, Apr. 5.
- Cleaning and shaping machine, Brick. R. B. Cushman. 2,464,796, Mar. 22.
- Cleaning apparatus. G. J. Scofield. 2,467,502, Apr. 19.
- Cleaning apparatus, Air. J. L. Hart, Jr. 2,474,478, June 28.
- Cleaning apparatus, Cotton. W. A. Schug. 2,491,877, Dec. 20.
- Cleaning apparatus, Dental floss tooth. T. E. Luzar. 2,460,591, Feb. 1.
- Cleaning apparatus, Egg. A. U. Bryant. 2,461,960, Feb. 15.
- Cleaning apparatus, Fish. S. K. Lockwood and J. L. Smith. 2,483,470, Oct. 4.
- Cleaning apparatus, Mold. N. W. Biggs and G. M. Henderson. 2,479,299, Aug. 16.
- Cleaning apparatus, Pipe and sewer. N. M. Redmond, Sr. 2,481,152, Sept. 6.
- Cleaning asbestos, Method and apparatus for. F. J. Koehne. 2,460,938, Feb. 8.
- Cleaning assembly, Teeth. F. B. Cooper. 2,469,261, May 3.
- Cleaning by ultrasonic waves, Method of and apparatus for. H. F. Fruth. 2,468,550, Apr. 26.
- Cleaning composition. R. Bernstein. 2,485,554, Oct. 25.
- Cleaning composition, Acid. F. N. Alquist and C. W. Hopkins. 2,474,179, June 21.
- Cleaning composition for rust-stained lacquered surfaces. B. K. Tremaine. 2,462,341, Feb. 22.
- Cleaning composition, Producing adsorbent. W. S. W. McCarter. 2,491,051, Dec. 13.
- Cleaning device. A. G. Smith. 2,487,676, Nov. 8.
- Cleaning device, Diaper. G. L. Berry. 2,473,852, June 21.
- Cleaning device for conveyor elements of chemical drying apparatus. D. F. Tucker and H. R. Tyler. 2,491,401, Dec. 13.
- Cleaning device for fuses and fuse holders. A. J. Parker. 2,471,236, May 24.
- Cleaning device for roller mills, Roll. F. Tanner. 2,492,803, Dec. 27.
- Cleaning device, Pneumatic. T. P. Kleyn. 2,468,934, May 3.
- Cleaning device, Razor. J. P. Fleckenstine. 2,465,440, Mar. 29.
- Cleaning device, Tobacco pipe. J. W. Bentley. 2,483,083, Sept. 27.
- Cleaning device, Tobacco pipe. G. T. Thomas. 2,480,167, Aug. 30.
- Cleaning device, Tongue. N. McNeill. 2,491,274, Dec. 13.
- Cleaning device, Tooth. M. J. McCaughley. 2,474,684, June 28.
- Cleaning device, Vacuum. G. C. Burd. 2,475,815, July 12.
- Cleaning flues. T. J. Peters. 2,465,921, Mar. 29.
- Cleaning heat exchangers. P. F. Dougherty, P. D. Barton, and E. M. Hughes. 2,482,904, Sept. 27.
- Cleaning implement with blade flexibly connected to shaft, Flue. J. E. Bower. 2,484,267, Oct. 11.
- Cleaning machine. J. F. Malsbary and W. W. Taylor. 2,487,348, Nov. 8.
- Cleaning machine, Beach and land. H. V. Hassan. 2,488,774, Nov. 22.
- Cleaning machine for small parts, particularly watch or clock parts. W. H. Nieder. 2,480,502, Aug. 30.
- Cleaning material, Producing an adsorbent. W. S. W. McCarter. 2,480,753, Aug. 30.
- Cleaning means for beer dispensers. F. J. Warcup. 2,458,230, Jan. 4.
- Cleaning means for packing and filling machines, Can edge. G. L. Ardron. 2,492,826, Dec. 27.
- Cleaning metal catalysts with alcoholic caustic solution. M. H. Gwynn. 2,473,880, June 21.
- Cleaning metal surfaces and compositions therefor. H. G. Webster and C. L. Falter. 2,458,661, Jan. 11.
- Cleaning, penetrating, and corrosion loosening composition. C. A. Jensen. 2,472,298, June 7.
- Cleaning scale. A. E. Tyden. 2,490,759, Dec. 6.
- Cleaning skins and the like, Method and apparatus for. A. B. Rhodes. 2,466,477, Apr. 5.
- Cleaning system, Abrasive. G. D. Dill. 2,465,360, Mar. 29.
- Cleaning unit and handle therefor, Replaceable. H. H. Horwitz. 2,464,509, Mar. 15.
- Cleaning unit, Teeth. M. Boulicault. 2,468,732-3, May 3.
- Cleansing clothes. H. R. Fink. 2,489,278, Nov. 29.
- Cleansing device for ball bearing assemblies. S. Bousky. 2,484,149, Oct. 11.
- Cleansing device for overhead valve engines, Rocker arm oil passage. H. S. Stronach, E. J. Emmons, and J. B. Dusil. 2,475,860, July 12.
- Cleansing tissue holder. D. B. Gerdeman. 2,490,426, Dec. 6.
- Cleansing water-cooling systems and the like, Method and apparatus for. F. E. Brady, Jr. 2,458,333, Jan. 4.
- Clearer for internally pocketed assorting cylinder. E. E. Cortese and R. Ramirez. 2,478,246, Aug. 9.
- Cleat, Detachable shoe. M. A. Robinson. 2,459,455, Jan. 18.
- Cleat for securing ropes and the like, Locking. G. N. E. Tindal-Carill-Worsley. 2,476,393, July 19.
- Cleat for shoes, Detachable. J. R. Wright. 2,461,671, Feb. 15.
- Clevis pin. I. I. Tubbs. 2,471,175, May 24.
- Click mechanism. N. Scheffer. 2,487,733, Nov. 8.
- Clinching anvil for stapling machines. W. Kirby. 2,481,023, Sept. 6.
- Clinching machine. H. Lev. 2,476,050, July 12.
- Clinical exercise table. L. G. Albizu. 2,472,391, June 7.
- Clinometer for well bores. J. S. Swearingen. 2,482,224, Sept. 20.
- Clip: See—
- Brick clip. Pen, pencil, and general utility clip.
 - Cartridge clip. Pencil and pen clip.
 - Channel clip. Pipe connection clip.
 - Cloth clip. Plastic paper clip.
 - Curl clip. Plug-in clip.
 - Curtain cord attachment clip. Roofing clip.
 - Fender welt clip. Ship's portable batten clip.
 - Floor clip. Spring clip.
 - Furring clip. Supporting clip.
 - Hair clip. T-square holding clip.
 - Hose clip. Tenter clip.
 - Jewelry clip. Tire chain clip.
 - Lure attaching clip. Towel clip.
 - Molding clip. Waterproof clip.
 - Multiple purpose clip. Wire or conduit clip.
 - Nose clip.
- Clip. L. O. Gordon. 2,481,740, Sept. 13.
- Clip. R. L. Rank. 2,461,083, Feb. 8.
- Clip and cap for pocket carried implements. R. R. Eratico. 2,487,320, Nov. 8.
- Clip and sharpener for lead pencils, Pocket. R. A. Ball. 2,477,326, July 26.
- Clip assembly, Plate locking. E. P. Lacure. 2,480,373, Aug. 30.
- Clip combining scarf and coat, Wire. S. J. Judge. 2,461,215, Feb. 8.
- Clip for attaching molding to automobile bodies and fenders. J. Stadler. 2,471,247, May 24.
- Clip for checkbooks, Page holding. P. Mukoyed. 2,488,226, Nov. 15.
- Clip for fountain pens and other articles. D. Coyne. 2,470,431, May 17.
- Clip for hair clippers, Tapering. R. Whitney. 2,470,594, May 17.
- Clip for mechanical pencils, fountain pens, and the like. H. A. Bauer. 2,488,114, Nov. 15.
- Clip for mechanical pencils, fountain pens, and the like. F. D. Woods. 2,468,699, Apr. 26.
- Clip for metal lath and beading. F. Schepis. 2,465,756, Mar. 29.
- Clip for paper. J. J. Nemeth. 2,460,650, Feb. 1.
- Clip for pens and pencils. J. R. Woody. 2,470,421, May 17.

- Clip for rubbing machines and the like. H. R. Johnson. 2,477,807, Aug. 2.
- Clip for slidably attaching sails to stay ropes, Guide. R. W. Cook. 2,476,403, July 19.
- Clip for tentering machines and the like. J. Dungler. 2,489,275, Nov. 29.
- Clip for traveling grate stokers, Grate. F. B. Hall. 2,485,379, Oct. 18.
- Clip for writing instruments. C. N. Colstad. 2,473,689, June 21.
- Clip for writing instruments. L. P. Martin. 2,473,688, June 21.
- Clip for writing instruments. W. K. Olson and L. P. Martin. 2,473,690, June 21.
- Clip-on fuse indicator. W. C. Linton. 2,492,302, Dec. 27.
- Clip or clamp, Tie collar extension. G. C. Yoder. 2,466,141, Apr. 5.
- Clip removing apparatus. A. Goodman, Jr. 2,492,741, Dec. 27.
- Clip retaining tool. P. P. Hepp. 2,470,309, May 17.
- Clipper, Hair. C. E. Carter. 2,470,287, May 17.
- Clipper, Material. R. G. Govern. 2,476,724, July 19.
- Clipper, Nail. W. E. Bassett. 2,477,782, Aug. 2.
- Clipper, Pneumatic. P. J. Slater. 2,469,182, May 3.
- Clippers, Hedge. W. L. McQueen. 2,486,958, Nov. 1.
- Clips, Forming paper. C. S. Lee. 2,472,711, June 7.
- Clock. W. P. Gallagher. 2,491,103, Dec. 13.
- Clock, Alarm. G. S. Andrews. 2,467,925, Apr. 19.
- Clock, Alarm. R. F. Heckmer, Sr. 2,460,634, Feb. 1.
- Clock and like apparatus, Alarm. H. Blampain. 2,460,486, Feb. 1.
- Clock, Drum type indicator alarm. A. A. Johnson. 2,459,107, Jan. 11.
- Clock, Electric. J. Fink. 2,465,582, Mar. 29.
- Clock, Electric. A. R. Nelson. 2,483,502, Oct. 4.
- Clock, Electric alarm. W. K. Sessions, Jr., and E. D. Brightman. 2,471,549, May 31.
- Clock, Electric balance. J. Fink. 2,459,930, Jan. 25.
- Clock hand removing tool. W. M. Tender. 2,470,327, May 17.
- Clock motor and system, Electric. H. Maerz. 2,469,834, May 10.
- Clock, Soundproof. M. Knobel. 2,491,453, Dec. 13.
- Clock, Synchronous electric alarm. A. B. Poole. 2,467,694, Apr. 19.
- Clock system, Electric. O. H. Dicke. 2,490,340, Dec. 6.
- Clock, Transparent disk. R. M. Heintz. 2,466,312, Apr. 5.
- Closer, Circuit. J. T. Logan. 2,485,394, Oct. 18.
- Closer, Gap. E. St. Pierre. 2,473,975, June 21.
- Closer, Gate. C. N. Rogers. 2,487,894, Nov. 15.
- Closure. A. F. Clarfello. 2,461,259, Feb. 8.
- Closure. H. J. Findley. 2,484,083, Oct. 11.
- Closure and mask for cathode-ray tubes, Unitary. D. Jackson. 2,470,620, May 17.
- Closure and seal, Refrigerator. V. E. Mark and L. L. Anderson. 2,471,634, May 31.
- Closure apparatus for tanks and the like. W. A. Crews. 2,475,562, July 5.
- Closure appliance. S. Bloomfield and R. S. Wallach. 2,481,284, Sept. 6.
- Closure applicator and cover for locking therewith, Removable resilient. M. E. Bengtson. 2,474,969, July 5.
- Closure assembly. J. D. Glidden. 2,479,612, Aug. 23.
- Closure, Carton. J. Cage. 2,481,288, Sept. 6.
- Closure, Casing. I. L. Young. 2,460,963, Feb. 8.
- Closure check. F. G. Erd. 2,464,637, Mar. 15.
- Closure, Container nozzle. J. Coyle, and W. F. Punte. 2,492,847, Dec. 27.
- Closure, Curved foldable. E. R. Watkins. 2,460,157, Jan. 25.
- Closure device. J. W. and R. Fay. 2,458,360, Jan. 4.
- Closure equipped structure. M. C. Townsend. 2,492,604, Dec. 27.
- Closure fastener. L. M. Dyson. 2,457,985, Jan. 4.
- Closure fastener. M. Marus. 2,459,666, Jan. 18.
- Closure-feeding device. P. Gschwend and J. M. Sharf. 2,481,508, Sept. 13.
- Closure, Fly. W. R. Spearrin. 2,489,053, Nov. 22.
- Closure for automobile gas tank fillers, Protective. P. E. Allen. 2,491,791, Dec. 20.
- Closure for containers. J. Coyle. 2,484,270, Oct. 11.
- Closure for cylindrical filter cases. C. W. Simonsen. 2,491,139, Dec. 13.
- Closure for firearm receivers, Removable end. T. R. Robinson, Jr. 2,492,815, Dec. 27.
- Closure for fountain pens. Y. Sanbonmatsu. 2,479,414, Aug. 16.
- Closure for garments, Laced. J. J. Kispert. 2,463,884, Mar. 8.
- Closure for jars. G. H. Limpert. 2,483,586, Oct. 4.
- Closure for laundry machine tubs. J. F. Horvath. 2,458,380, Jan. 4.
- Closure for openings in ships' bulkheads, decks, and walls, Quick-acting. A. S. Wiederman. 2,468,251, Apr. 26.
- Closure for panty girdle. M. Strait. 2,477,353, July 26.
- Closure for paperboard containers, End. L. C. Brooks. 2,465,842, Mar. 29.
- Closure for pressure vessels. C. M. Scudder. 2,457,927, Jan. 4.
- Closure for protective covers. D. R. Angus. 2,477,563, Aug. 2.
- Closure for sound passages, Valved. A. H. Kettler. 2,490,138, Dec. 6.
- Closure for stapling machines, Magazine. O. A. Wandel. 2,472,032, May 31.
- Closure for vehicle bodies. T. K. Remke and E. F. Smith. 2,480,965, Sept. 6.
- Closure for washing bowls, sinks, and plumbing fixtures. L. A. Kirschner. 2,481,312, Sept. 6.
- Closure for waxed paper container bodies, Metal end. C. W. Priest. 2,492,500, Dec. 27.
- Closure having pressure sensitive adhesive, Bag. M. Golub. 2,475,236, July 5.
- Closure, Heat indicating journal box. K. K. Webber. 2,482,390, Sept. 20.
- Closure means for handbags. J. Feigen. 2,481,735, Sept. 13.
- Closure means for rubber hot-water bottles or bags. D. Atkin. 2,485,996, Oct. 25.
- Closure means, Fuel tank. G. W. Martin. 2,475,397, July 5.
- Closure operator. P. M. Griffin. 2,459,695, Jan. 18.
- Closure plug. H. Lorant. 2,491,897, Dec. 20.
- Closure, Receptacle. C. E. Brownell. 2,475,125, July 5.
- Closure-release mechanism. H. H. Borthwick. 2,481,495, Sept. 13.
- Closure retaining means. W. E. Armstrong and J. V. Reichenbach. 2,491,070, Dec. 13.
- Closure support. J. F. Smythe. 2,468,242, Apr. 26.
- Closure, Valve. C. F. Zimmerman. 2,460,867, Feb. 8.
- Closure, Vehicle. N. A. Schassberger. 2,460,399, Feb. 1.
- Cloth clip. R. A. Bellamy. 2,459,213, Jan. 18.
- Cloth-cutting machine. W. Bangser and V. L. Nichols. 2,475,171, July 5.
- Cloth-cutting machine. M. Zawistowski. 2,480,278, Aug. 30.
- Cloth, Hair cutting. J. M. Pearce. 2,463,198, Mar. 1.
- Cloth inspection and handling system. O. J. Norton. 2,470,575, May 17.
- Cloth laying-up machine. N. Obedin. 2,476,759, July 19.
- Cloth or piece feeding device for textile and other machinery. C. H. Turner. 2,481,369, Sept. 6.
- Cloth roll attachment for lace looms. E. W. Medbery. 2,461,387, Feb. 8.
- Clothes drier. E. R. Eberhardt. 2,479,916, Aug. 23.
- Clothes drier. E. R. Koppel. 2,460,422, Feb. 1.
- Clothes drier. J. B. Neiser. 2,468,891, May 3.
- Clothes drier. A. Pokras. 2,477,820, Aug. 2.
- Clothes drier. C. L. Richardson. 2,470,646, May 17.
- Clothes drier. W. H. Yandell. 2,466,630, Apr. 5.
- Clothes drier and canopy, Combined. H. M. Lewis. 2,483,585, Oct. 4.
- Clothes-drying rack. J. G. Rothrock. 2,469,208, May 3.
- Clothes hanger. G. T. Alkin. 2,473,408, June 14.
- Clothes hanger. H. J. Bennett. 2,491,077, Dec. 13.
- Clothes hanger. R. D. Finnell. 2,488,621, Nov. 22.
- Clothes hanger. J. H. Mullen. 2,472,262, June 7.
- Clothes hanger. W. H. Perryman. 2,483,781, Oct. 4.
- Clothes hanger. E. K. Pochini. 2,480,420, Aug. 30.
- Clothes hanger and door knocker, Self-closing. W. Stader. 2,484,535, Oct. 11.
- Clothesline. F. L. Grant, Jr. 2,484,941, Oct. 18.
- Clothesline. T. F. M. Jensen. 2,475,325, July 5.
- Clothesline carrier. P. B. Weis. 2,480,798, Aug. 30.
- Clothesline, Collapsible. S. P. Midonhas. 2,459,110, Jan. 11.
- Clothesline extension. J. A. C. Turner. 2,484,432, Oct. 11.
- Clothesline holder. O. Bahls. 2,478,450, Aug. 9.
- Clothesline holder. W. C. Hess. 2,459,380, Jan. 18.
- Clothesline pole. C. C. Long. 2,460,699, Feb. 1.
- Clothesline post. W. W. Wilkinson and C. K. Smith. 2,469,805, May 10.
- Clothesline post, Combination. C. V. Jennewein. 2,482,851, Sept. 27.
- Clothesline prop. F. E. Kuff. 2,461,607, Feb. 15.
- Clothesline reel. M. M. Culver. 2,466,688, Apr. 12.
- Clothesline reel. B. E. Johnson. 2,481,753, Sept. 13.
- Clothesline reel. H. A. Lofgren. 2,479,946, Aug. 23.
- Clothesline reel. R. Sarac. 2,476,772, July 19.
- Clothesline reel. H. B. Stuart. 2,464,832, Mar. 22.
- Clothesline, Retractable. J. C. Borup. 2,481,638, Sept. 13.
- Clothesline support. O. L. Cox. 2,467,814, Apr. 19.
- Clothesline support. S. A. Schlags. 2,485,322, Oct. 18.
- Clothesline tension control. J. C. Rouse. 2,486,983, Nov. 1.
- Clothesline tightener. H. M. Jensen and R. W. Bridges. 2,460,640, Feb. 1.
- Clotheslines, Adjusting. D. E. Hutchings. 2,460,088, Jan. 25.
- Clothes peg, Spring. K. Hovannessian. 2,485,602, Oct. 25.
- Clothespin. E. A. Alsop and H. V. King. 2,460,162, Jan. 25.
- Clothespin. E. P. Ashcroft. 2,471,186, May 24.
- Clothespin. W. E. Becker. 2,463,848, Mar. 8.
- Clothespin. H. Boynton. 2,488,958, Nov. 22.
- Clothespin. E. Burns. 2,471,606, May 31.
- Clothespin. C. Castell. 2,471,141, May 24.
- Clothespin. M. Maccaferri. 2,461,333, Feb. 8.
- Clothespin. W. H. Roark. 2,475,436, July 5.
- Clothespin. M. V. Robbins. 2,477,088, July 26.
- Clothespin. C. B. Sisk. 2,467,864, Apr. 19.
- Clothespin. L. W. Stinne. 2,492,069, Dec. 20.
- Clothespin. H. C. Young. 2,464,015, Mar. 8.
- Clothespin and clamp. L. W. Stinne. 2,466,284, Apr. 5.
- Clothespin rack. S. Geller. 2,485,275, Oct. 18.
- Clothespin, Safety. G. D. Kunkel. 2,482,625, Sept. 20.

- Clothespin, Spring. G. R. Morton. 2,474,753, June 28.
 Clothespin, Wire. A. L. Atkins. 2,477,920, Aug. 2.
 Clothes protector. E. G. Borowick. 2,477,437, July 26.
 Clothes rack. J. Huhn, Jr. 2,472,480, June 7.
 Clothes tree. G. Bushko. 2,469,494, May 10.
 Clothes washer. N. H. Henderson. Re. 23,070, Jan. 4.
 Clothes-washing and cleaning machine. G. Kuhn. 2,471,876, May 31.
 Clothes washing apparatus employing oscillatable agitator. C. O. Halldin and T. E. D. Bilde. 2,491,081, Dec. 13.
 Clothes-washing machine. L. M. Kahn. 2,471,433, May 31.
 Clothes-washing machine. H. E. Page. 2,463,801, Mar. 8.
 Clothes-washing machine mechanism. H. F. Bariffi. 2,485,622, Oct. 25.
 Clothing, Card. E. A. Snape, Jr. 2,488,442, Nov. 15.
 Clothing protector. G. E. Bryan. 2,492,265, Dec. 27.
 Cloud moisture meter. V. J. Schaefer. 2,492,768, Dec. 27.
 Club. S. Quattrin. 2,465,124, Mar. 22.
 Club swing practice means for golfers. W. J. Glancey. 2,462,955, Mar. 1.
 Cluster cutter. C. E. Wehn. 2,487,911, Nov. 15.
 Cluster structure for bicycles, Seat post. H. L. Kraefft and L. J. Walters. 2,491,379, Dec. 13.
 Clutch: See—
 Air suction clutch. Latch operated clutch.
 Automatic clutch. Load limiting clutch.
 Axially engageable friction clutch. Magnetic clutch.
 Axially engaging clutch. Multiple clutch.
 Axially engaging multiple disk clutch. One-revolution clutch.
 Axially engaging multiple fluid clutch. One-revolution latch-operated clutch.
 Axially engaging opposed clutch. One-way overrunning clutch.
 Axially engaging positive clutch. One-way sprag type clutch.
 Bidirectional overload clutch. One-way wedging clutch.
 Bobbin clutch. Overload or fixed load clutch.
 Cam operated clutch. Overrunning centrifugal clutch.
 Cam operated transversely engaged clutch. Propeller clutch.
 Centrifugal clutch. Sewing-machine clutch.
 Centrifugally operable clutch. Shifting-lever controlled friction clutch.
 Combined friction and jaw clutch. Slip clutch.
 Fluid operated clutch. Speed responsive clutch.
 Fluid pressure actuated clutch. Spring clutch.
 Fluid pressure operated multiple clutch. Synchronizing clutch.
 Hydraulic clutch. Time delay centrifugal clutch.
 Induction clutch. Toggle and cam operated opposed friction clutch.
 Intermittent clutch. Torque release clutch.
 Clutch. A. G. Thomas. 2,479,986, Aug. 23. Torque responsive clutch.
 Clutch actuator and adjustor. E. E. Foster. 2,458,364, Jan. 4. Winch clutch.
 Clutch and brake control, Buck rake winch. R. C. Kenck. 2,457,904, Jan. 4.
 Clutch and brake device. P. C. Malmsten. 2,457,907, Jan. 4.
 Clutch and brake device, Air actuated. R. E. Wissman. 2,472,452, June 7.
 Clutch and brake device, Electromagnetic. L. J. Goettisheim. 2,464,129, Mar. 8.
 Clutch and brake for sewing machines or the like. R. G. Miller. 2,489,584, Nov. 29.
 Clutch and brake for washing machines, Fluid operated. J. W. McNairy. 2,485,623, Oct. 25.
 Clutch and brake mechanism. K. Clark. 2,461,629, Feb. 15.
 Clutch and brake mechanism. J. Hertrich. 2,466,989, Apr. 12.
 Clutch and brake mechanism. J. W. McNairy. 2,462,657, Feb. 22.
 Clutch and brake mechanism, Fluid actuated. J. N. Welland. 2,458,664, Jan. 11.
 Clutch and clutch control mechanism. E. E. Wemp. 2,479,532, Aug. 16.
 Clutch and control assembly, Propeller shaft. T. Backus. 2,468,155, Apr. 26.
 Clutch assembly tool. H. J. Yelkin. 2,487,504, Nov. 8.
 Clutch construction, Synchronizing. C. D. Peterson and R. R. Burkhalter. 2,479,184, Aug. 16.
 Clutch control. A. R. Cooper. 2,458,767, Jan. 11.
 Clutch control. A. C. Thormodsgaard. 2,486,767, Nov. 1.
 Clutch control. M. P. Winther and S. N. Senniger. 2,467,874, Apr. 19.
 Clutch control, Air. G. M. Schantz. 2,486,721, Nov. 1.
 Clutch control, Automatic. G. M. Schantz. 2,478,058, Aug. 2.
 Clutch control mechanism, Vehicle. R. E. Burrus. 2,472,789, June 14.
 Clutch device. J. H. Pratt and G. E. Manley. 2,491,830, Dec. 20.
 Clutch device. M. B. Taylor. 2,460,313, Feb. 1.
 Clutch drive, Paper machine. L. Hornbostel. 2,467,829, Apr. 19.
 Clutch drive, Reversible plural. R. C. Zeidler. 2,484,869, Oct. 18.
 Clutch for governors. E. E. Church. 2,475,178, July 5.
 Clutch for looms, Cam operated transversely engaged. C. P. Bergstrom and A. Palmer. 2,478,560, Aug. 9.
 Clutch for machine-tools, Axially engaging positive. M. Pégard. 2,488,231, Nov. 15.
 Clutch for typographical casting machines, Latch operated. J. C. Plastaras. 2,485,771, Oct. 25.
 Clutch mechanism. C. C. King. 2,482,007, Sept. 13.
 Clutch mechanism, Booster. R. A. Beckwith. 2,484,811, Oct. 18.
 Clutch mechanism, Fluid operated. D. O., R. T., and C. K. MacDonald. 2,465,810, Mar. 29.
 Clutch mechanism, Power energizing. R. A. Beckwith. 2,484,812, Oct. 18.
 Clutch member, Shifttable synchronizing. C. D. Peterson and E. J. Barth. 2,483,841, Oct. 4.
 Clutch of the pin and socket type, One-way. W. A. Taylor. 2,471,795, May 31.
 Clutch operating mechanism. O. M. Berg. 2,465,054, Mar. 22.
 Clutch operator. W. F. Beard. 2,488,522, Nov. 22.
 Clutch or coupling device. H. J. Modrey. 2,464,543, Mar. 15.
 Clutch plate and slidable vise jaw operated by lever-actuated eccentric, Tilttable. D. E. Prenveille. 2,467,272, Apr. 12.
 Clutch pressure plate and flywheel refacing and honing tool. C. M. Johnson. 2,491,565, Dec. 20.
 Clutch with adjustment for torque transmitting capacity, Friction. C. F. Ball. 2,457,801, Jan. 4.
 Clutches and couplings, Cutting toothed. E. Wildhaber. 2,464,914, Mar. 22.
 Clutches and the like, Method and apparatus for producing. E. Wildhaber. 2,464,913, Mar. 22.
 Clutches, Producing face. E. Wildhaber. 2,464,915, Mar. 22.
 Clutching device, V-Belt. W. W. Gettys. 2,459,373, Jan. 18.
 Coagulation of butadiene-acrylonitrile copolymers. H. J. Rose and L. C. Price. 2,491,519, Dec. 20.
 Coagulation of synthetic rubber latices. W. J. Mueller. 2,487,263, Nov. 8.
 Coal drier. R. G. Baughman. 2,478,804, Aug. 9.
 Coal for variometers, Spherical. E. E. Combs. 2,459,794, Jan. 25.
 Coal handling system. E. Ramsay. 2,471,042, May 24.
 Coal liquefaction by hydrogenation. H. H. Storch and L. L. Hirst. 2,464,271, Mar. 15.
 Coal, Mining and loading. R. Peale and R. Peale, Jr. 2,479,132, Aug. 16.
 Coaster and tray. J. W. Colflesh, III. 2,482,704, Sept. 20.
 Coaster, Turn-about. J. E. Lawson. 2,476,984, July 26.
 Coasting device. H. I. Ostlund. 2,464,341, Mar. 15.
 Coat hanger. R. Damsenst. 2,489,866, Nov. 29.
 Coat hanger. M. Gentile and P. J. Romanello. 2,488,860, Nov. 22.
 Coat hanger. F. Pasznicki. 2,471,007, May 24.
 Coat hanger attachment. I. C. Gartner. 2,481,737, Sept. 13.
 Coat, Sportsman's hunting. W. W. Jones. 2,476,665, July 19.
 Coated abrasive. N. P. Robie and A. L. Ball. 2,490,231, Dec. 6.
 Coated abrasive article. R. P. Carlton. 2,463,242, Mar. 1.
 Coated aluminum welding rods. M. A. Miller and W. E. Haupin. 2,480,498, Aug. 30.
 Coated cotton fabric. A. J. Jennings. 2,477,336, July 26.
 Coated elastic fabric. C. S. Francis, Jr. 2,485,725, Oct. 25.
 Coated material and producing same, Flexible wrinkle. N. T. Beynon. 2,460,485, Feb. 1.
 Coated steel wire, Making. A. F. Ilacqua and J. F. Occasione. 2,482,978, Sept. 27.
 Coating aluminum, Chemical method of. R. B. Mason. 2,464,596, Mar. 15.
 Coating aluminum, Chemically. O. L. Shawcross. 2,466,971, Apr. 12.
 Coating and moistening mechanism for duplicating apparatus. E. W. Peterson and J. J. Camphouse. 2,482,636, Sept. 20.
 Coating and sealing compound, Synthetic rubberlike. P. M. Reedy, Jr. 2,465,552, Mar. 29.
 Coating and sealing material, Polysulfide. F. M. Carasso. 2,465,513, Mar. 29.
 Coating and winding machine, Strand. C. H. Jones. 2,463,111, Mar. 1.
 Coating apparatus. R. Lobstein. 2,466,718, Apr. 12.
 Coating apparatus, Automatic spray. J. A. Paasche. 2,461,657, Feb. 15.
 Coating apparatus for applying uniform coatings, Article. P. J. De Koning. 2,487,111, Nov. 8.
 Coating apparatus for wires, filaments, and the like. J. K. Delano. 2,462,474, Feb. 22.
 Coating apparatus, Pipe. L. R. Robinson and W. S. Lang. 2,478,711, Aug. 9.
 Coating apparatus, Web. W. A. Roehm. 2,474,691, June 28.
 Coating articles by electrostatic deposition, Method and apparatus for. H. P. Ransburg and R. E. Helmuth. 2,463,422, Mar. 1.
 Coating articles with plastic material. O. C. Wilson and F. S. Britton. 2,467,642, Apr. 19.
 Coating by vacuum distillation. H. Osterberg. 2,479,540, Aug. 16.

- Coating cellulosic textiles with maleic anhydride-styrene copolymer and solid polyethylene glycol. R. B. Seymour and G. M. Schroder. 2,486,804, Nov. 1.
- Coating composition. C. and B. L. Di Battista. 2,460,878, Feb. 8.
- Coating composition and a metal article coated therewith, Heat strippable. G. D. Hiatt. 2,490,752, Dec. 6.
- Coating composition and applying same. C. G. Murphy and J. P. Sermattel. 2,480,824, Sept. 6.
- Coating composition and coating, Water-repellent. T. P. Camp. 2,464,759, Mar. 15.
- Coating composition and making it, A stable. R. T. Hucks and R. R. Denslow. 2,466,770, Apr. 12.
- Coating composition and method of making. W. Helms. 2,480,020, Aug. 23.
- Coating composition and sheets coated therewith. R. E. Fay, Jr. 2,459,874, Jan. 25.
- Coating composition, Asbestos-aluminum. D. F. Buchanan. 2,477,236, July 26.
- Coating composition, Combustion retarding. M. Leatherman. 2,475,626, July 12.
- Coating composition comprising an alkyl resin and an alkoxy methylolmelamine. P. E. Marling. 2,486,665, Nov. 1.
- Coating composition comprising an amide-aldehyde resin and a polyester of an alpha-alkyl ether of glycerol and a dicarboxylic acid as plasticizer. E. W. Moffett. 2,460,187, Jan. 25.
- Coating composition comprising an amide-aldehyde resin and a polyester of 2-ethyl hexane-diol-1,3 and a dicarboxylic acid as a plasticizer. E. W. Moffett. 2,460,186, Jan. 25.
- Coating composition consisting of a mixture of conjugated double-bonded oil and an aqueous emulsion of polyvinyl acetate resin, Wrinkle. N. T. Beynon. 2,479,298, Aug. 16.
- Coating composition containing a fatty acid ester as a gel stabilizing agent. E. E. Habib and D. G. Greenlie. 2,466,672, Apr. 12.
- Coating composition containing antistatic agent. B. P. Kang. 2,463,282, Mar. 1.
- Coating composition containing polyethylacrylate and a chlorinated hydrocarbon polymer. C. E. Bradley, Jr. 2,468,480, Apr. 26.
- Coating composition containing vinylidene chloride acrylonitrile copolymer and a halogenated hydrocarbon as a gel retardant therefor. P. M. Hauser. 2,474,897, July 5.
- Coating composition, Decorative protective. C. G. Murphy, and J. P. Sermattel. 2,492,760, Dec. 27.
- Coating composition, Fireproofing. M. Leatherman. 2,472,112, June 7.
- Coating composition, Nondiscoloring. G. P. Mack. 2,488,303, Nov. 15.
- Coating composition, Protective. C. F. T. Schrank. 2,488,598, Oct. 4.
- Coating composition, Webbable strippable. W. H. Holst and G. R. Hersam. 2,459,164, Jan. 18.
- Coating composition, Wrinkle. E. L. Luaces. 2,465,243, Mar. 22.
- Coating compositions. M. E. Cupery. 2,467,192, Apr. 12.
- Coating compositions. L. D. Gittings and R. H. Fundaburk. 2,462,631, Feb. 22.
- Coating compositions and articles coated therewith. M. J. Roedel. 2,479,409, Aug. 16.
- Coating compositions and producing the same, Protective. J. C. Cowan and H. M. Teeter. 2,477,116, July 26.
- Coating compositions comprising reaction products of pentaerythritol and bodied triglyceride drying oils. H. C. Woodruff. 2,486,353, Oct. 25.
- Coating compositions embodying polyvinyl butyral resins and making same. D. R. Swan. 2,469,320, May 3.
- Coating compositions exhibiting resistance to pigment flotation, Pigmented. C. M. Sage. 2,467,858, Apr. 19.
- Coating compositions for moisture-proofing by hot melt coating. M. Salo. 2,458,428, Jan. 4.
- Coating compositions, Rust inhibiting. L. S. Engle and W. Fikar. 2,472,099, June 7.
- Coating compositions using polyethylene coated pigments, Making. B. C. Pratt. 2,472,680, June 7.
- Coating compositions, Wire. W. E. Boak. 2,469,150, May 3.
- Coating compound. O. J. Cahill. 2,476,178, July 12.
- Coating dry rectifier elements, Method and apparatus for. W. E. Riecken. 2,462,899, Mar. 1.
- Coating electrical devices. R. W. De Monte and A. B. Haines. 2,459,018, Jan. 11.
- Coating fabric with a modified haloprene composition. R. N. MacDonald and H. S. Rothrock. 2,465,336, Mar. 29.
- Coating ferrous metal sheets with an insulating film. F. J. Nagel and C. C. Horstman. 2,484,242, Oct. 11.
- Coating for electrical steel sheet and strip, Inorganic insulating. G. C. Kiefer. 2,472,592, June 7.
- Coating for ferrous products, Corrosion resistant. C. H. Hack, G. E. Behr, and G. J. Vahrenkamp. 2,478,692, Aug. 9.
- Coating for food and the like, Gelatin-base. L. A. Hall. 2,477,742, Aug. 2.
- Coating for metal articles, comprising ethyl cellulose and mineral oil, Fusible and readily removable protective. A. E. Young. 2,458,486, Jan. 4.
- Coating for nickel chromium resistance wire, Oxide insulating. R. Levi. 2,465,105, Mar. 22.
- Coating, Hard smooth craze-resistant surface. W. T. Watt. 2,486,235, Oct. 25.
- Coating having high dielectric strength, Insulating. H. E. Smith and D. M. O'Halloran. 2,462,912, Mar. 1.
- Coating machine. W. H. Coward. 2,464,849, Mar. 22.
- Coating machine for flexible sheet materials. J. Ettl. 2,473,243, June 14.
- Coating machine, Pipe. A. O. Mickelson. 2,482,021, Sept. 13.
- Coating machine, Switch bank. V. F. Miller. 2,483,733, Oct. 4.
- Coating magnesium and magnesium alloys. H. W. Hemker and D. L. Eppink. 2,458,073, Jan. 4.
- Coating material. W. F. Bollens. 2,476,802, July 19.
- Coating material. F. G. Terwilliger. 2,483,113, Sept. 27.
- Coating material, Magnesium oxychloride. A. I. Wand. 2,463,663, Mar. 8.
- Coating mechanism, Spray. G. G. Schneider and C. J. Hughes. 2,470,580, May 17.
- Coating metal surfaces comprising aluminum. H. K. Ward. 2,477,841, Aug. 2.
- Coating method, Metal protective. L. Cinamon. 2,481,977, Sept. 13.
- Coating of ferrous metals, Rustproof. P. E. Marling and J. E. Malowan. 2,486,664, Nov. 1.
- Coating of latex foam and resulting latex articles, Producing a. A. N. Spaul. 2,478,599, Aug. 9.
- Coating of magnesium, Anodic. H. K. De Long. 2,474,181, June 21.
- Coating of metal articles, Electrophoretic. L. F. Oakes. 2,462,125, Feb. 22.
- Coating of metal strip, Method and apparatus for the electrolytic. E. T. Lorig. 2,461,556, Feb. 15.
- Coating of metallic articles, Phosphate. L. O. Gilbert. 2,479,564, Aug. 23.
- Coating or encasing substantially cylindrical objects by a pressure molding process. C. C. Gravesen. 2,465,799, Mar. 29.
- Coating pipe. R. C. Stromquist. 2,470,958, May 24.
- Coating porous sheets, Continuously. G. D. Knight and B. W. Rowland. 2,471,330, May 24.
- Coating process and article. L. Pritzker. 2,467,229, Apr. 12.
- Coating process, Electrode. R. Penon and P. Lamaigre-Voreaux. 2,473,900, June 21.
- Coating process, Lead. I. P. Whitehouse. 2,484,540, Oct. 11.
- Coating, Temporary protective. W. W. Crouch, and J. A. Delap. 2,492,848, Dec. 27.
- Coating surfaces with boron. G. R. Martin. 2,484,519, Oct. 11.
- Coating, Vitreous. J. E. Rosenberg. 2,466,043, Apr. 5.
- Coating with quartz by thermal evaporation. W. L. Morgan. 2,463,791, Mar. 8.
- Coating work with an electron-emissive material to improve inert gas-shielded refractory-electrode alternating current arc welding. R. R. Lobosco. 2,473,600, June 21.
- Coatings by electron bombardment, Producing hardened optical. G. L. Dimmick. 2,465,713, Mar. 29.
- Coatings for foods, Preservative. W. J. Allingham. 2,470,281, May 17.
- Coatings for fresh frozen meats, Protective. H. S. Mitchell, L. E. Kay, A. S. Hartanov, and J. M. Ramsbottom. 2,462,760, Feb. 22.
- Coatings for light metals, Vitreous. A. J. Deyrup. 2,467,114, Apr. 12.
- Coatings for metal surfaces, Protective phosphate. G. W. Jernstedt. 2,462,196, Feb. 22.
- Coatings for plastic glass, Protective. P. L. Mahoney. 2,487,255, Nov. 8.
- Coatings for synthetic resin surfaces, Protective. P. L. Mahoney. 2,487,254, Nov. 8.
- Coatings, Metallic. S. B. Wiczor. 2,463,342, Mar. 1.
- Coatings on magnesium and magnesium-base alloys, Dyed hydrated oxide. H. K. De Long. 2,482,728, Sept. 20.
- Coatings on metal, Producing. G. R. Hoover and N. Cox. 2,487,137, Nov. 8.
- Coatings on paper, Water-borne aluminum. S. J. Johnson. 2,491,113, Dec. 13.
- Coatings, Producing low-glare. F. H. Nicoll and F. E. Williams. 2,486,431, Nov. 1.
- Coaxial cable. F. A. Muller. 2,462,887, Mar. 1.
- Coaxial line generator. L. W. Schreiner and E. V. Leonard. 2,458,650, Jan. 11.
- Coaxial line termination. H. G. Nordlin. 2,474,272, June 28.
- Coaxial line termination. F. F. Rieke. 2,463,428, Mar. 1.
- Cobalt bromide relative humidity indicators. P. B. Davis. 2,460,068-9, Jan. 25.
- Cobalt carbonyl, Manufacture of. C. H. McKeever. 2,476,263, July 12.
- Cobalt carbonyl, Preparing. C. H. McKeever. 2,477,554, July 26.
- Cobalt chloride relative humidity indicators. P. B. Davis. 2,460,071, Jan. 25.
- Cobalt from electrolytes, Removing. D. L. Griffith and M. J. Rankin. 2,471,952, May 31.
- Cobalt iodide relative humidity indicators. P. B. Davis. 2,460,073, Jan. 25.
- Cobalt phosphate relative humidity indicators. P. B. Davis. 2,460,070, Jan. 25.
- Cobalt solution purification. R. E. Churchward and F. K. Shelton. 2,476,284, July 19.
- Cobalt sulfate relative humidity indicators. P. B. Davis. 2,460,065-6, Jan. 25.

- Cobalt thiocyanate relative humidity indicators. P. B. Davis. 2,460,074, Jan. 25.
- Coccidiostatic composition. P. D. Harwood. 2,472,422, June 7.
- Cock, Plug. G. E. Franck. 2,488,283, Nov. 15.
- Cock, Plug. F. R. Goehring. 2,487,436, Nov. 8.
- Cock, Selector. T. O. Holm, and R. R. Fike. 2,492,151, Dec. 27.
- Cocking bolt of machine guns. F. W. Sampson and G. J. Hyde. 2,458,647, Jan. 11.
- Cocking mechanism. W. Summerbell. 2,490,846, Dec. 13.
- Cockpit arrangement, Aircraft. J. G. Villepigue. 2,490,664, Dec. 6.
- Cocoa manufacture. H. M. Hinteman. 2,476,092, July 12.
- Coconut husk removing tool. C. P. Waters. 2,472,354, June 7.
- Code call mechanism. K. W. Graybill and H. Sengebusch. 2,463,688, Mar. 8.
- Code-call system. O. Blyholder. 2,478,453, Aug. 9.
- Code detecting means. F. T. Fereday. 2,465,794, Mar. 29.
- Code detecting means. H. A. Thompson. 2,461,452, Feb. 8.
- Code selective device. H. A. Stickel. 2,487,678, Nov. 8.
- Code selector. J. A. Brustman. 2,482,242, Sept. 20.
- Code-signaling system, Pulse. C. E. Cleeton. 2,471,413, May 31.
- Code teacher, Telegraphic. H. M. Herman. 2,473,749, June 21.
- Coffee brewer filter. J. G. Francis. 2,480,232, Aug. 30.
- Coffee, Decaffeinated soluble. J. Ornefelt. 2,472,121, June 7.
- Coffee filter. J. E. Hooper. 2,461,736, Feb. 15.
- Coffee filter. J. W. Myers. 2,472,955, June 14.
- Coffee maker. R. T. Cameron. 2,459,498, Jan. 18.
- Coffee maker. S. H. Sacker. 2,464,722, Mar. 15.
- Coffee maker. R. L. Smith. 2,470,323, May 17.
- Coffee maker. R. L. Smith. 2,478,787, Aug. 9.
- Coffee maker, Automatic. L. Reichold. 2,458,640, Jan. 11.
- Coffee-making apparatus. R. C. Ashenden, Jr. 2,490,501, Dec. 6.
- Coffee-making apparatus. H. Kershaw and A. F. Pitoy. 2,489,785, Nov. 29.
- Coffee-making apparatus and automatic control means therefor. D. F. Swanson. 2,485,246, Oct. 18.
- Coffee-making device. H. Dietz. 2,467,817, Apr. 19.
- Coffee-making device. R. J. Sharp. 2,484,054, Oct. 11.
- Coffee steeping bag. K. E. Carroll. 2,460,735, Feb. 1.
- Cofferdam. C. Dobell. 2,460,624, Feb. 1.
- Coil and condenser assembly. J. R. Mazzola. 2,483,919, Oct. 4.
- Coil and making such, Electrical. R. E. Powell. 2,459,894, Jan. 25.
- Coil annealing furnace. W. H. Dailey, Jr. 2,479,102, Aug. 16.
- Coil arrangement for electromagnetic devices. H. N. Wagar. 2,460,556, Feb. 1.
- Coil assemblies, Forming. V. W. Pecoroni and R. B. Gethmann. 2,479,400, Aug. 16.
- Coil assembly for electromagnetic devices, Multiple shading. J. B. Hardie. 2,490,905, Dec. 13.
- Coil assembly, Relay. L. W. McMichael. 2,486,751, Nov. 1.
- Coil, Choke. F. Clark. 2,482,902, Sept. 27.
- Coil clamping method and apparatus. G. S. Quinn and J. E. McLoughlin. 2,472,778, June 7.
- Coil construction and method. I. Gebel. 2,471,869, May 31.
- Coil, Deflecting. M. J. Obert. 2,461,230, Feb. 8.
- Coil, Dynamoelectric machine field. J. S. Askey. 2,473,842, June 21.
- Coil, Electric. H. W. Lord. 2,478,633, Aug. 9.
- Coil, Fault locator. W. J. Brunt. 2,466,079, Apr. 5.
- Coil for circulated air, Refrigeration. A. A. D. Shanis. 2,468,466, Apr. 26.
- Coil for electric apparatus, Insulated. H. Britten. 2,489,853, Nov. 29.
- Coil for humidity indicators, Hygroscopic. P. O. Unger. 2,480,983, Sept. 6.
- Coil for weed burners and pear burners. J. B. Blackwell. 2,473,192, June 14.
- Coil form mounting. F. Wood. 2,489,392, Nov. 29.
- Coil handling apparatus and method. C. J. Duby. 2,485,961, Oct. 25.
- Coil having a ferrite core. J. J. C. Hardenberg and W. Six. 2,483,900, Oct. 4.
- Coil having a slideable core and establishing the ratio between the maximum and minimum inductance thereof. T. A. Spoor. 2,474,761, June 28.
- Coil, High-frequency induction heating. R. D. Frazier. 2,467,201, Apr. 12.
- Coil, Inductance. E. R. Crippa. 2,457,806, Jan. 4.
- Coil, Induction. E. Warnken. 2,459,605, Jan. 18.
- Coil induction heating, Method of and apparatus for dual. A. O. Wood and J. T. Vaughan. 2,468,796, May 3.
- Coil insulated with thermoplastic particles and thermoset polymer, Electrical. E. J. Flynn and F. J. Lasak. 2,464,568, Mar. 15.
- Coil, Interwound. F. D. Kaiser. 2,482,489, Sept. 20.
- Coil, Magnet. R. E. Ferris and J. R. Shirley. 2,484,212, Oct. 11.
- Coil-polarity indicator. A. J. Bialous. 2,481,282, Sept. 6.
- Coil provided with stress-relieving supports, Induction heating. H. A. Strickland, Jr. 2,457,844, Jan. 4.
- Coil, Refrigerating. F. J. Hibbs. 2,465,873, Mar. 29.
- Coil, Shading. J. B. Hardie. 2,481,113, Sept. 6.
- Coil, Shading. G. H. Koch. 2,467,755, Apr. 19.
- Coil shaping apparatus. F. E. Hook and R. O. Riggs. 2,474,528, June 28.
- Coil shaping apparatus. J. B. Leece. 2,476,744, July 19.
- Coil shaping machine. J. B. Leece. 2,476,743, July 19.
- Coil supporting means. E. F. Lapham, Jr. 2,474,259, June 28.
- Coil, Variable induction. G. Guanella. 2,477,693, Aug. 2.
- Coil-winding machine. N. M. Haynes. 2,462,393, Feb. 22.
- Coil-winding machine. H. V. Knauf, Jr. 2,481,314, Sept. 6.
- Coil with rectifiers for electrical instruments, Movable. H. L. Bernarde. 2,488,367, Nov. 15.
- Coiled bodies, Treating. E. A. Nordberg. 2,480,503, Aug. 30.
- Coiling elongated vitreous stock, Method and apparatus for. A. Greiner. 2,491,857, Dec. 20.
- Coiling machine for strip material. B. S. Burrell. 2,470,235, May 17.
- Coils, Cleaning electrical. F. W. MacClean and V. Urban. 2,462,982, Mar. 1.
- Coils, Defrosting cooling. M. B. Watts. 2,480,346, Aug. 30.
- Coils, Making electrical. P. A. D'Orio. 2,489,867, Nov. 29.
- Coils, Winding. H. V. Knauf, Jr. 2,481,313, Sept. 6.
- Coin actuated electrical switch. H. B. Vroom. 2,461,486, Feb. 8.
- Coin and key holder. R. I. Lane and J. Vaccaro. 2,486,180, Oct. 25.
- Coin bank, Registering. F. Schnabolk. 2,465,433, Mar. 1.
- Coin box. R. Baker, Sr. 2,478,076, Aug. 2.
- Coin charger. S. May. 2,483,708, Oct. 4.
- Coin collector for telephone systems, Portable. W. P. Jackman. 2,460,936, Feb. 8.
- Coin controlled mechanism. E. Mihalek. 2,491,900, Dec. 20.
- Coin-controlled switch. N. M. Jackson. 2,484,711, Oct. 11.
- Coin-controlled system. E. G. Henry. 2,489,577, Nov. 29.
- Coin dispenser. B. Marshalka. 2,467,762, Apr. 19.
- Coin gate mechanism. R. F. Broussard. 2,465,146, Mar. 22.
- Coin holder. E. R. Funk, Jr., and E. H. Black. 2,482,258, Sept. 20.
- Coin-holding device. E. J. Hayes and F. Winter. 2,457,998, Jan. 4.
- Coin separator. F. C. Du Grenier and F. B. Perri. 2,463,161, Mar. 1.
- Coin slide. V. K. Davis and E. T. Davidson. 2,461,314, Feb. 8.
- Coke-oven battery adapted to coke swelling coals. Combination vertical flued. F. Wethly. 2,460,324, Feb. 1.
- Coke oven door. G. Padgett. 2,475,512, July 5.
- Coke-oven door. J. Van Ackeren. 2,478,215, Aug. 9.
- Coke oven doors. A. A. Rackoff. 2,491,831, Dec. 20.
- Coke-oven walls, Repairing. S. H. Kimmel. 2,476,305, July 19.
- Coke oven with tar preheater, Broad. C. H. Hughes. 2,486,413, Nov. 1.
- Coking high volatile coal involving incorporation therein of a limited amount of blast furnace flue dust. G. E. Brandon. 2,473,987, June 21.
- Cold application. E. O. Sears. 2,479,784, Aug. 23.
- Cold cathode discharge tube. C. F. Veenemans and P. G. van Zanten. 2,491,234, Dec. 13.
- Cold cathode tube voltage indicator. T. Spierer. 2,491,781, Dec. 20.
- Cold storage room arrangement having means for controlling the moisture content in the insulation. C. G. Munters. 2,485,630, Oct. 25.
- Collapsible and adjustable clothes rack. D. W. Wolcott. 2,479,887, Aug. 23.
- Collapsible bath and dressing table. I. Lonstein and J. Glick. 2,481,318, Sept. 6.
- Collapsible box. D. B. Hartman. 2,465,588, Mar. 29.
- Collapsible box. A. M. Lewis and P. B. Weller. 2,470,174, May 17.
- Collapsible carrier. R. E. Smith and P. A. Musso. 2,460,108, Jan. 25.
- Collapsible chair. M. B. Bartlett. 2,465,003, Mar. 22.
- Collapsible clothes hanger. L. C. Fowler. 2,475,931, July 12.
- Collapsible cosmetic and all-purpose utility box. M. Bauernfreund and J. Frei. 2,485,028, Oct. 18.
- Collapsible cylindrical container. R. E. Gilmore. 2,466,542, Apr. 5.
- Collapsible dish draining rack. E. H. Jenness. 2,479,118, Aug. 16.
- Collapsible garment hanger. K. R. Miller. 2,488,219, Nov. 15.
- Collapsible hanger. A. Rosen. 2,462,778, Feb. 22.
- Collapsible head gate mold. T. J. and F. L. Andrews. 2,492,325, Dec. 27.
- Collapsible hexagonal container. W. A. Ringler. 2,465,661, Mar. 29.
- Collapsible ironing board. G. H. Herdman. 2,491,311, Dec. 13.
- Collapsible ironing board. W. Picken. 2,466,556, Apr. 5.
- Collapsible luggage carrier. E. Pohl. 2,469,242, May 3.
- Collapsible motor carrier. G. H. Binz. 2,468,390, Apr. 26.
- Collapsible multiple position handle. F. W. Coffing. 2,490,947, Dec. 13.

- Collapsible or folding infant's auto seat. T. H. Bonk. 2,461,367, Feb. 8.
- Collapsible packaging container. J. C. Madden, 3rd. 2,486,045, Oct. 25.
- Collapsible parcel carrier. S. and E. Friedmann. 2,472,203, June 7.
- Collapsible permanent shipping container. R. B. Kubach. 2,486,532, Nov. 1.
- Collapsible receptacle. J. Berg. 2,476,531, July 19.
- Collapsible reel. P. R. Powell. 2,459,336, Jan. 18.
- Collapsible shipping case. R. C. Potts. 2,491,206, Dec. 13.
- Collapsible stand. H. P. Weinkauff. 2,485,178, Oct. 18.
- Collapsible steam table. L. N. Elkin. 2,471,420, May 31.
- Collapsible tie rack. P. Pestner. 2,474,436, June 28.
- Collapsible trailer vehicle. H. C. Brumbaugh. 2,483,332, Sept. 27.
- Collapsible tube. P. R. Hoopes. 2,485,885, Oct. 25.
- Collapsible tube. L. Lindell. 2,476,446, July 19.
- Collapsible tube dispenser. A. A. Campbell. 2,491,161, Dec. 13.
- Collapsible wheel chair. H. A. Everest and H. C. Jennings. 2,486,015, Oct. 25.
- Collapsible wheel chair. F. Mustafa. 2,470,258, May 17.
- Collar. A. J. Logan. 2,472,430, June 7.
- Collar and tie holder. R. C. Erdmann. 2,462,311, Feb. 22.
- Collar attachment. J. W. Less and A. J. Less. 2,476,101, July 12.
- Collar can collar and mounting. J. Coyle and W. F. Punte. 2,468,485-6, Apr. 26.
- Collar can collar mounting method. J. Coyle and W. F. Punte. 2,468,487, Apr. 26.
- Collar can collars, Mounting. J. Coyle and W. F. Punte. 2,468,488, Apr. 26.
- Collar construction, Shirt. E. C. Pfeffer, Jr. 2,470,950, May 24.
- Collar, Dust. C. A. Wright. 2,458,457, Jan. 4.
- Collar for artificial respirators. F. T. Wallin. 2,478,852, Aug. 9.
- Collar holder. A. J. Rowan. 2,492,239, Dec. 27.
- Collar holder and tie supporter, Combined. S. M. Wade. 2,473,739, June 21.
- Collar, Semistiff. D. McBurney. 2,467,488, Apr. 19.
- Collar stiffener. L. D. McNeill. 2,474,058, June 21.
- Collar stiffener and necktie support, Combined. R. E. Wimmer. 2,475,931, July 12.
- Collar, Tool joint wear. E. G. Boice. 2,482,962, Sept. 27.
- Collating device, Alternate projection. C. Hinman. 2,460,350, Feb. 1.
- Collating machine. C. E. Wyrick. 2,465,304, Mar. 22.
- Collator. W. W. Davidson. 2,479,060, Aug. 16.
- Collecting and separating apparatus. C. B. Schneible. 2,463,607, Apr. 26.
- Collecting and separating apparatus. C. B. Schneible and A. S. Lundy. 2,474,695, June 28.
- Collecting apparatus for use on refrigerant evaporators. Frost. N. Achs. 2,475,466, July 6.
- Collector. J. W. McBride. 2,482,355, Sept. 20.
- Collector, Dust. A. A. Carlson. 2,483,690, Oct. 4.
- Collector for money bags and other articles. E. D. Zecher. 2,492,025, Dec. 20.
- Collector for shuttle feed conveyers. Dust. M. I. Dorfan. 2,472,053, May 31.
- Collector for weft replenishing looms, Thread. R. G. Turner. 2,463,923, Mar. 8.
- Collector, Furnace dust and smoke. C. R. H. Black. 2,487,689, Nov. 8.
- Collector, Golf ball. F. W. Wells. 2,484,437, Oct. 11.
- Collector, Radiant energy. R. del Cueto. 2,475,544, July 5.
- Collector, Refuse. A. T. C. Dear. 2,469,033, May 3.
- Collector, Solar heat. C. G. Abbot. 2,460,482, Feb. 1.
- Collector, Weed seed. F. L. Nelson. 2,492,495, Dec. 27.
- Collet. A. M. Stoner. 2,459,899-900, Jan. 25.
- Collet chucking assembly, Spring loaded. T. J. Ashdown. 2,471,921, May 31.
- Collet, Internal. M. M. Fuller. 2,460,414, Feb. 1.
- Collet with air cylinder operator. A. Felin and L. J. Matthews. 2,463,165, Mar. 1.
- Collision switch. W. M. Smith. 2,475,728, July 12.
- Colloid color former silver halide dispersions, Preparation of. O. W. Murray. 2,463,794, Mar. 8.
- Colloidal compounds containing metallic ions in inactive state. G. E. Grindrod. 2,481,413, Sept. 6.
- Colloidal melamine-urea-formaldehyde copolymer solutions. H. P. Wohnsiedler and W. M. Thomas. 2,485,079-80, Oct. 18.
- Colloidal melamine-urea-formaldehyde copolymer solutions. H. P. Wohnsiedler and W. M. Thomas. 2,485,080, Oct. 18.
- Colonic device. W. R. McCormick. 2,458,718, Jan. 11.
- Color connection method, Photographic. T. Wheldon. 2,484,137, Oct. 11.
- Color correction of multicolor negative film by integral masking images. H. H. Duerr, H. W. Morrell, Jr., and H. C. Harsh. 2,464,798, Mar. 22.
- Color couplers, Making. A. Weissberger and I. F. Salminen. 2,484,477, Oct. 11.
- Color negatives containing masking images for color correction purposes, Producing multilayer. J. S. Friedman. 2,476,541, July 19.
- Color sorting device using differently color-selective photocells and a cathode-ray tube. C. Berkley. 2,483,452, Oct. 4.
- Color stabilization of vinyl halide copolymers. F. W. Cox and J. M. Wallace, Jr. 2,491,444, Dec. 13.
- Color stabilization of vinyl halide resins. F. W. Cox and J. M. Wallace, Jr. 2,461,531, Feb. 15.
- Color stabilization of vinyl halide resins. F. W. Cox and J. M. Wallace, Jr. 2,478,862, Aug. 9.
- Color stabilization of vinyl halide resins. F. W. Cox and J. M. Wallace, Jr. 2,491,443, Dec. 13.
- Color television. A. N. Goldsmith. 2,481,839, Sept. 13.
- Colored smoke composition. J. W. Orelup. 2,478,418-19, Aug. 9.
- Colorimeter. A. L. M. A. Rouy. 2,477,208-9, July 26.
- Colorimeter, Thermally stable. W. J. Boyer. 2,483,875, Oct. 4.
- Coloring matters of the phthalocyanine series from phthalyl halides, Manufacture of. R. J. Sumner. 2,471,794, May 31.
- Colostomy cup pad. R. A. Diadul. 2,489,016, Nov. 22.
- Column and tantalum, Separation of. R. M. Fowler. 2,481,584, Sept. 13.
- Column assembly, including pressure fluid motors for moving objects longitudinally and angularly. A. L. Stone. 2,474,336, June 28.
- Column frame. J. S. Donahue and G. E. Strehan. 2,469,455, May 10.
- Column spring switch. D. L. Clark. 2,479,313, Aug. 16.
- Column-stand for supporting apparatus vertically movable along the column particularly X-ray apparatus. D. E. Berggren. 2,471,998, May 31.
- Comb. G. F. Benco. 2,474,212, June 28.
- Comb. E. Hough. 2,464,447, Mar. 15.
- Comb. C. Marini. 2,463,893, Mar. 8.
- Comb. A. B. Mensing. 2,471,279, May 24.
- Comb. E. M. Morin. 2,491,753, Dec. 20.
- Comb. W. L. Stewart. 2,460,548, Feb. 1.
- Comb and clipper, Combined. W. L. Norwood. 2,465,694, Mar. 29.
- Comb and file, Combination. E. V. Boudreaux. 2,474,570, June 28.
- Comb and hair curler, Combined. F. Rosiello. 2,458,426, Jan. 4.
- Comb and liquid container combined. H. L. Feiner. 2,465,014, Mar. 22.
- Comb and nail file, Combined. A. M. Hillery. 2,469,769, May 10.
- Comb and shears, Combined. C. W. Tuck. 2,489,168, Nov. 22.
- Comb, Barber. B. Di Zazzo. 2,481,403, Sept. 6.
- Comb device, Hair. N. Gambino. 2,470,157, May 17.
- Comb, Fountain. J. H. Francis. 2,470,024, May 10.
- Comb, Hair. E. Liebert. 2,479,631, Aug. 23.
- Comb, Hair cutting. W. M. Mansfield. 2,462,519, Feb. 22.
- Comb, Haircutting. S. E. A. Sanders. 2,461,444, Feb. 8.
- Comb, Hair dyeing. H. M. Von Duyke. 2,484,133, Oct. 11.
- Comb, Hair-treating. M. G. Usai. 2,461,789, Feb. 15.
- Comb, Pin curl finger. M. Hollen. 2,467,975, Apr. 19.
- Comb, Pocket. C. H. Taylor. 2,479,142, Aug. 16.
- Combination bag and spectacle case. M. K. Cramer. 2,458,567, Jan. 11.
- Combination beam shift-grid control tube. A. G. Thomas. 2,457,949, Jan. 4.
- Combination bracket. L. P. Jeffreys. 2,480,027, Aug. 23.
- Combination burner and grate. V. J. Evans. 2,485,145, Oct. 18.
- Combination coat and trousers hanger. A. F. Lamothe. 2,467,623, Apr. 19.
- Combination comb and toilet article holder. C. T. La Mont. 2,473,594, June 21.
- Combination counter, Teletypewriter permutation code signal. F. H. Hanley. 2,481,112, Sept. 6.
- Combination curtain rod and shade roller bracket. H. R. Morton. 2,491,127, Dec. 13.
- Combination drill and brush. D. D. Purvis. 2,486,363, Oct. 25.
- Combination fastening device. A. C. Olsen. 2,476,506, July 19.
- Combination flowerpot and saucer. H. T. Ritter. 2,484,909, Oct. 18.
- Combination folding chair and table. M. Amaducci. 2,483,309, Sept. 27.
- Combination garden tool. C. A. Plummer. 2,486,434, Nov. 1.
- Combination haircutting machine. J. Sutth. 2,485,787, Oct. 25.
- Combination heater, coffee table, and tray. G. W. Hawkins. 2,485,880, Oct. 25.
- Combination length bar. K. E. E. Hallin. 2,469,502, May 10.
- Combination lipstick and rouge container. A. B. Moore. 2,471,441, May 31.
- Combination lock. J. L. Formo, H. A. Johnson, and R. E. Jacobson. 2,481,099, Sept. 6.
- Combination lock. G. T. Hosking. 2,477,182, July 26.
- Combination lock. E. K. Smith. 2,491,779, Dec. 20.
- Combination lock. M. F. Wise. 2,476,012, July 12.
- Combination lock switch. C. M. Waite. 2,477,104, July 26.
- Combination lock switch. E. Williams. 2,491,595, Dec. 20.

- Combination magnetometer and gradiometer. O. H. Schmitt. 2,485,847, Oct. 25.
- Combination of a blocking layer rectifier plate having a cooling plate pressed on it. C. de Lange and D. M. Duinker. 2,478,749, Aug. 9.
- Combination pump. W. L. Knott. 2,460,179, Jan. 25.
- Combination radial and thrust bearing. C. H. Witthoff. 2,469,677, May 10.
- Combination reciprocating and rotating tool. L. Lynch. 2,490,449, Dec. 6.
- Combination shade and curtain holder. A. A. Ogrydziak. 2,481,234, Sept. 6.
- Combination shade and curtain rod holder. E. F. Lyon. 2,472,220, June 7.
- Combination sink and dining table. J. D. Clawsey. 2,473,862, June 21.
- Combination sofa and bed. S. Shumsky. 2,485,219, Oct. 18.
- Combination tool. R. R. Boshaw. 2,471,191, May 24.
- Combination tool. H. M. Haberman. 2,469,877, May 10.
- Combination toothbrush and dentifrice receptacle. D. Murphy. 2,459,285, Jan. 18.
- Combination utility case and roll book. G. R. Asachika. 2,485,802, Oct. 25.
- Combinator of electric circuits. C. W. Berthiez. 2,477,953, Aug. 2.
- Combine having sidehill platform adjustments. M. E. Hamilton and P. W. Morrissey. 2,488,592, Nov. 22.
- Combined adjustable curtain and blind bracket. J. J. Rohleder. 2,470,648, May 17.
- Combined coaxial and crystal holder. P. Rosenberg. 2,479,264, Aug. 16.
- Combined condiment container. M. A. Garriss. 2,469,034, May 3.
- Combined core and coil clamp. G. W. Lentz. 2,466,448, Apr. 5.
- Combined cutting and creasing dies for paper slotting machine. E. G. Staude. 2,485,020, Oct. 18.
- Combined electromagnetic and manual operated switch. E. P. Buckthal and G. Nidiffer. 2,487,751, Nov. 8.
- Combined friction and jaw clutch. H. H. Trail. 2,460,956, Feb. 8.
- Combined line and check valve. H. Hooper. 2,464,400, Mar. 15.
- Combined ohmmeter and illumination meter. J. H. Miller. 2,471,001, May 24.
- Combined package and applicator. C. A. Oclassen. 2,486,056, Oct. 25.
- Combined photograph album and music box. A. H. and P. F. Cannizzaro. 2,473,938, June 21.
- Combined portable welding and pneumatic tool. E. M. Kay. 2,490,593, Dec. 6.
- Combined road and rail vehicle. W. S. Watts and C. S. Davidson. 2,478,647, Aug. 9.
- Combined shaving brush and shaving cream dispenser. J. H. Champagne. 2,482,653, Sept. 20.
- Combined shutoff and metering valve. S. R. Barr. 2,485,349, Oct. 18.
- Combined shipping and display container. B. V. Dubiner. 2,483,533, Oct. 4.
- Combined spectacle, memorandum, and accessories case. S. S. Coplon. 2,479,472, Aug. 16.
- Combined spring and friction shock absorbing mechanism. G. E. Dath. 2,481,574, Sept. 13.
- Combined table and chairs. A. Mancusi. 2,486,186, Oct. 25.
- Combined time record and payroll envelope. L. F. Cravens. 2,485,261, Oct. 18.
- Combined wallpaper display card and color positioning tab. F. L. Clute and H. C. Schroder. 2,482,963, Sept. 27.
- Combing and massaging device, Vibratory. W. C. Prediger. 2,479,253, Aug. 16.
- Combing machine for combing textile fibers. D. Pierrepont. 2,483,931, Oct. 4.
- Combs, Making. C. Leblanc. 2,478,872, Aug. 9.
- Combs, Making. C. Marini. 2,463,894, Mar. 8.
- Combustion apparatus. W. L. Christensen. 2,482,095, Sept. 20.
- Combustion apparatus. E. A. De Zubay. 2,477,584, Aug. 2.
- Combustion apparatus. M. L. Nathan. 2,475,911, July 12.
- Combustion apparatus. G. C. Peter. 2,459,583, Jan. 18.
- Combustion apparatus for use with turbines. W. M. Hepburn and H. B. Barber. 2,488,911, Nov. 22.
- Combustion chamber. E. G. Bailey. 2,458,497, Jan. 11.
- Combustion chamber burner. C. J. Stalego. 2,489,244, Nov. 22.
- Combustion chamber construction. E. A. De Zubay and E. L. Wilson. 2,477,583, Aug. 2.
- Combustion chamber construction. F. McGowen and M. C. Travis. 2,472,117, June 7.
- Combustion chamber, Pressure fired. H. M. Arnold. 2,485,427, Oct. 18.
- Combustion chamber, Rotating. R. H. Goddard. 2,492,570, Dec. 27.
- Combustion chamber with continuous rearward discharge, Rotating. R. H. Goddard. 2,479,829, Aug. 23.
- Combustion chamber with refractory lining. R. H. Goddard. 2,476,185, July 12.
- Combustion control. E. Bullock. 2,483,689, Oct. 4.
- Combustion engine. F. G. Prieto. 2,481,872, Sept. 13.
- Combustion-responsive means for burner control systems. T. J. Mesh. 2,490,534, Dec. 6.
- Combustion system for combustion tube burners, Dual. E. Rousseau. 2,464,895, Mar. 22.
- Combustion system for internal-combustion engines, Dual fuel. H. F. Shepherd. 2,470,747, May 17.
- Combustion system for turbine engines. R. E. Heald. 2,472,014, May 31.
- Comminuting apparatus for meats, vegetables, fruits, and the like. J. A. Hohman. 2,476,867, July 19.
- Comminutor and extruder, Icing. D. I. Weeden. 2,485,226, Oct. 18.
- Commode, Portable. S. C. Fulcher. 2,485,726, Oct. 25.
- Commodity preservation with carbon dioxide, Method of and apparatus for. G. T. Reich. 2,483,064, Sept. 27.
- Communicating door lock. H. S. Harvey. 2,470,770, May 24.
- Communicating system. J. A. Krumhansl. 2,467,486, Apr. 19.
- Communication and alarm system using modulated carrier currents, Railway train. P. N. Bossart. 2,484,680, Oct. 11.
- Communication and posting system. E. L. Schmidt. 2,474,438, June 28.
- Communication system. R. Adler. 2,460,966, Feb. 8.
- Communication system. R. Adler. 2,465,827, Mar. 29.
- Communication system. W. R. Aiken. 2,468,911, May 3.
- Communication system. L. W. Alvarez. 2,479,195, Aug. 16.
- Communication system. J. R. Desch, E. V. Gulden, and R. E. Mumma. 2,462,613, Feb. 22.
- Communication system. W. M. Hall. 2,466,701, Apr. 12.
- Communication system. R. E. Mumma and F. X. Bucher. 2,466,467, Apr. 5.
- Communication system. C. G. Smith. 2,473,613, June 21.
- Communication system affording break-in operation, Single channel radio. W. D. Hales. 2,472,585, June 7.
- Communication system, Carrier-wave. H. M. Lewis. 2,461,646, Feb. 15.
- Communication system, Code. N. B. Coley. 2,487,102, Nov. 8.
- Communication system, Electrical. P. K. Chatterjea and D. M. Ambrose. 2,489,268, Nov. 29.
- Communication system, Electrical. P. Curry. 2,470,760, May 24.
- Communication system, Facsimile. J. Bion. 2,485,556, Oct. 25.
- Communication system, Line circuit. F. W. Brixner and W. M. Barker. 2,459,494, Jan. 18.
- Communication system, Loud speaking. P. E. Demers. 2,484,691, Oct. 11.
- Communication system, Multichannel carrier. K. G. Hodgson and F. Fairley. 2,474,249, June 28.
- Communication system, Power line carrier wave. R. C. Edson and J. W. Emling. 2,481,915, Sept. 13.
- Communication system, Pulse type multiplex. C. W. Hansell. 2,478,919, Aug. 16.
- Communication system, Radio. E. H. B. Bartelink. 2,471,138, May 24.
- Communication system, Radio. G. G. Bruck, P. E. Volz, P. J. Pontecorvo, and M. C. Vosburgh. 2,475,474, July 5.
- Communicating system, Radio. E. Labin, D. Grieg, and A. M. Levine. 2,468,084, Apr. 26.
- Communication system, Radio-wire. E. A. Jensen and K. J. Rhead. 2,490,061, Dec. 6.
- Communication system, Railway train. W. L. Konrad, P. N. Bossart, and C. E. Leberknight. 2,460,354, Feb. 1.
- Communication system, Two-way radio. W. L. Carlson. 2,475,127, July 5.
- Communication system utilizing damped oscillations, High-frequency electrical. W. A. Beatty. 2,462,061, Feb. 22.
- Communication system, Voice-controlled two-way. O. Tschuml. 2,477,275, July 26.
- Communication system with automatic answer back and alarm signals, Telegraphic. E. E. Kleinschmidt. 2,474,257, June 28.
- Communications copy and schedule holder. L. E. Clark. 2,469,369, May 10.
- Communicon set, Dual cross. D. Goudreau. 2,469,552, May 10.
- Commutation system and its application, especially to the scanning in television, Electroionic. P. M. G. Toulon. 2,474,338, June 28.
- Commutator. M. Y. Eck. 2,470,096, May 17.
- Commutator. R. A. Sauer. 2,492,657, Dec. 27.
- Commutator construction for electric devices. J. C. Koonz. 2,478,536, Aug. 9.
- Commutator, Electric. A. O. Hinchliff. 2,477,455, July 26.
- Commutator for dynamoelectric machine. R. S. Jenkins. 2,466,433, Apr. 5.
- Commutator for dynamoelectric machines and making the same. A. A. Pollock. 2,486,875, Nov. 1.
- Commutator machine control. F. W. Baumann. 2,460,729, Feb. 1.
- Commutator, Making a. R. S. Jenkins. 2,466,432, Apr. 5.
- Compact. J. Beske. 2,468,161, Apr. 26.
- Compact. B. F. Conner and A. Tatro. 2,488,850, Nov. 22.
- Compact. A. Wewetzer. 2,461,711, Feb. 15.
- Compact. P. Wolfers. 2,468,153, Apr. 26.
- Compact and applicator, Cosmetic. J. B. Helms. 2,488,910, Nov. 22.
- Compact and the like. M. H. Storch. 2,465,491, Mar. 29.
- Compact, Dental. E. E. and W. O. Smith. 2,476,686, July 19.

- Compact forced-air heater. W. C. Parrish. 2,474,687, June 28.
- Compact, Lighted. H. W. Hahn and H. A. Weisman. 2,490,352, Dec. 6.
- Compact, Shoe polish. W. J. Bowen and W. R. White. 2,462,065, Feb. 22.
- Compacter, Vibratory backfill. C. Jackson. 2,488,915, Nov. 22.
- Comparator for objects in relation to spaced drawings or reticles, Projection. R. E. Lewis. 2,484,103, Oct. 11.
- Comparator, Frequency. L. K. Curran. 2,479,817, Aug. 23.
- Comparator having a holder for reversing samples, Color. M. Resnick. 2,489,723, Nov. 29.
- Comparator, Phase. J. P. Blewett. 2,467,361, Apr. 12.
- Comparator, Potential. O. A. Tyson. 2,473,457, June 14.
- Comparator, Projecting and magnifying contour. W. K. Luety. 2,476,312, July 19.
- Comparator, Screw adjustment. P. G. Thomas. 2,483,328, Sept. 27.
- Comparator with projected standard scales and templates therefor, Optical projection. D. Steinhilber. 2,488,146, Nov. 15.
- Comparing apparatus for indicating the operation of pumps, Rotation. H. A. Cartwright. 2,475,219, July 5.
- Compartment and partition forming device for trays, Adjustable and removable. H. H. Yawman. 2,459,561, Jan. 18.
- Compartment, Automobile rear-vision window control. F. H. Hanley. 2,492,282, Dec. 27.
- Compartment for mechanical refrigerators, Portable food storage. C. F. Jensky and Y. L. Williams. 2,488,198, Nov. 15.
- Compartment for vehicles, Auxiliary. N. T. Volsk. 2,465,770, Mar. 29.
- Compartment lock. H. J. Feldmann. 2,483,365, Sept. 27.
- Compass. W. C. Cude. 2,487,044, Nov. 8.
- Compass, Beam. J. E. Brower. 2,471,193, May 24.
- Compass, Burning torch. F. W. Thompson. 2,489,061, Nov. 22.
- Compass control for link trainers, Automatic radio. F. L. Byers and A. W. Reagan. 2,468,033, Apr. 26.
- Compass, Earth inductor. H. W. Phair. 2,464,057, Mar. 8.
- Compass indication stabilizing system. W. P. Lear. 2,465,311, Mar. 22.
- Compass relay (reflector type), Electronic. R. C. Harrington, Jr. 2,480,134, Aug. 30.
- Compass, Star matcher and sun. F. H. Hagner. 2,460,346, Feb. 1.
- Compass system, Gyro flux valve. C. F. Fragola and R. V. Craddock. 2,473,516, June 21.
- Compass system, Integrating and remote reading. R. V. Craddock and R. S. Curry, Jr. 2,466,687, Apr. 12.
- Compensated thermal motor. R. G. Olson. 2,468,996, May 3.
- Compensating for thermal load changes in heat-treatment furnaces, Method and apparatus for artificially. W. A. Morton and E. G. Smith. 2,458,624, Jan. 11.
- Compensating means for liquid level indicators. J. M. Cranmer. 2,486,823, Nov. 1.
- Compensating means or arrangements for alternating current commutator machines. B. Schwarz. 2,489,982, Nov. 29.
- Compensating mechanism, Temperature. K. C. De Walt and T. P. Curtis. 2,486,129, Oct. 25.
- Compensating piston lubricator. E. W. Patterson. 2,464,710, Mar. 15.
- Compensating system. I. R. Taylor and L. Larssen. 2,485,675, Oct. 25.
- Compensating system, Pulse-echo volume. G. E. White. 2,474,875, July 5.
- Compensation of distortion in guided waves. W. P. Mason. 2,480,038, Aug. 23.
- Compensator. J. Robinson. 2,471,586, May 31.
- Compensator and impulse repeater for signaling systems, Automatic line voltage. A. S. Dubuar. 2,461,200, Feb. 8.
- Compensator control for pumps. J. F. Hoffer. 2,462,500, Feb. 22.
- Compensator for aerial camera lenses, Automatic altitude and pressure. C. F. Avila. 2,470,455, May 17.
- Compensator for aircraft cable controls. O. Schwimmer. 2,489,163, Nov. 22.
- Compensator for electrical measuring systems, Temperature. A. C. Denisoff. 2,483,757, Oct. 4.
- Compensator for electrical regulators, Temperature. W. G. Neild. 2,458,957, Jan. 11.
- Compensator for pipe conduits, Axial expansion. A. Dreyer. 2,479,104, Aug. 16.
- Compensator, Loop inductance. S. Cutler and N. Wiener. 2,460,492, Feb. 1.
- Compensator, Optical. J. Briskin and J. A. Mankawich. 2,463,016, Mar. 1.
- Compensatory electrical control circuit. H. Farley. 2,478,257, Aug. 9.
- Complete cigarette case. V. Trisko. 2,474,173, June 21.
- Complex from a polyalantal metal petroleum sulfonate, making it, and a lubricating oil containing it. G. W. Duncan and J. C. Zimmer. 2,467,118, Apr. 12.
- Complex organic antimony compounds, Manufacture of. W. Solomon. 2,473,735, June 21.
- Composing machine having stroboscopic character scanning system, Photographic type. R. Higgonnet. 2,486,406, Nov. 1.
- Composite articles, Making. H. W. Schultz. 2,490,548, Dec. 6.
- Composite articles, Making. S. K. Wellman. 2,462,821, Feb. 22.
- Composite bottle cap. D. L. Spender. 2,462,010, Feb. 15.
- Composite castings, Making. W. H. Seaman. 2,483,849, Oct. 4.
- Composite commodity wrappers, Manufacturing. S. Rosen. 2,475,052, July 5.
- Composite heat-exchange fin. R. G. Vanderweil. 2,464,735, Mar. 15.
- Composite metal. E. H. Davignon. 2,474,038, June 21.
- Composite metal, Corrosion-resisting. P. G. Chace. 2,482,897, Sept. 27.
- Composite metal, Corrosion-resisting. P. G. Chace. 2,482,898-900, Sept. 27.
- Composite metal having a nickel-plated beryllium-copper base and gold or silver bonded thereto by a copper-plated iron sheet, Forming. E. H. Davignon. 2,474,039, June 21.
- Composite ornamental strip. S. Matzner. 2,471,576, May 31.
- Composite package. L. L. Salfisberg. 2,465,172, Mar. 22.
- Composite pipe. J. F. Stephens. 2,467,999, Apr. 19.
- Composite products and making the same. W. R. Hickler. 2,478,267, Aug. 9.
- Composite receptacle for flat cells and method of making. R. W. Lewis and L. R. Rowe. 2,480,941, Sept. 6.
- Composite solid carbon dioxide, Method and apparatus for producing. C. L. Jones. 2,464,089, Mar. 8.
- Composite stock, Making. J. M. Robertson and H. W. Schultz. 2,490,543, Dec. 6.
- Composite stock, Making. H. W. Schultz, J. M. Robertson, and O. Rasmussen. 2,490,549, Dec. 6.
- Composite structure for forming a seal with glass. R. A. Harris and C. C. Patton. 2,482,178, Sept. 20.
- Composition and method for cleaning aluminum preparatory to spot welding. E. R. Holman. 2,477,181, July 26.
- Composition and method for removing corrosion from zinc, zinc alloys, and zinc coated metals. D. A. Gorman, Sr. 2,465,987, Apr. 5.
- Composition and production thereof, Concrete. F. Sladick, Sr. 2,474,381, June 28.
- Composition capable of being molded and being cast into films. R. T. K. Cornwell. 2,487,105, Nov. 8.
- Composition capable of being molded and being cast into films. R. T. K. Cornwell. 2,487,106, Nov. 8.
- Composition comprising a copolymer of vinyl chloride-vinyl acetate and ground peanut hulls and making same. H. M. Kulman. 2,473,030, June 14.
- Composition comprising a rubbery copolymer of butadiene and styrene and a resin occurring in Utah resin-bearing coal. E. D. Lee and L. S. Engle. 2,461,551, Feb. 15.
- Composition comprising an amide-aldehyde resin and as a plasticizer a polyester of a dihydric ether of propylene glycol and a dicarboxylic acid. E. W. Moffett. 2,462,658, Feb. 22.
- Composition containing stearamide and methylated methanol melamine, Water repellent. G. I. Cathers and L. A. Fluck, Jr. 2,491,249, Dec. 13.
- Composition fabric material, Preparation of. H. Snow and J. D. Hill. 2,484,756, Oct. 11.
- Composition for and method of chemically coating aluminum. F. P. Spruance, Jr. and J. H. Thirsk. 2,472,864, June 14.
- Composition for and method of electrodeposition of lead. A. W. Liger. 2,474,092, June 21.
- Composition for and method of producing phosphate films on metals. B. V. McBride. 2,465,247, Mar. 22.
- Composition for blackening copper and copper alloy surfaces. W. R. Meyer. 2,460,896, Feb. 8.
- Composition for control of poultry coccidiosis. N. F. Morehouse. 2,476,890, July 19.
- Composition for descaling ferrous metal surfaces. P. H. Cardwell and G. E. Mullin. 2,485,528, Oct. 18.
- Composition for dip coating solution and dip process for coloring zinc. J. E. Stareck. 2,483,510, Oct. 4.
- Composition for fluoroscopic observation and roentgenography. E. H. Slaybaugh. 2,461,702, Feb. 15.
- Composition for increasing the adhesive power of bitumens and tars. R. Dupas. 2,482,331, Sept. 20.
- Compositions for intravenous treatment of genito-urinary infections and essential hypertension. A. T. Babienko. 2,469,759, May 10.
- Composition for patching metallic bodies. J. M. Riley. 2,463,561, Mar. 8.
- Composition for preparing aluminum and the like for welding. A. A. Reid. 2,465,750, Mar. 29.
- Composition for removing decalcomanias. G. R. Raub, Sr., and G. R. Raub, Jr. 2,478,319, Aug. 9.
- Composition for removing scale from ferrous metal surfaces. P. H. Cardwell and G. E. Mullin. 2,485,529, Oct. 18.
- Composition for treating metallic wear surfaces. H. M. Bramberry. 2,470,136, May 17.
- Composition for use in making oral supports, Method of and a molding. S. Myerson. 2,466,040, Apr. 5.
- Composition of matter. H. A. Hamm. 2,486,744, Nov. 1.
- Composition of matter and making same. J. S. Ross. 2,481,879, Sept. 13.
- Composition of matter comprising carbon black and alkyl thiazyl disulfides. A. L. Hollis. 2,468,978, May 3.

- Composition of matter comprising gelatin and polyvinyl urea or derivatives. G. D. Jones. 2,467,832, Apr. 19.
- Composition of melamine-formaldehyde resin and a hydrated alkaline earth oxide, Self-hardening. J. K. Wise. 2,476,939, July 19.
- Composition of reduced toxicity, containing antimony and 1,2-dihydroxybenzene disulfonic acid. E. A. H. Friedhelm. 2,466,019, Apr. 5.
- Composition of urea-formaldehyde resins and a hydrated alkaline earth oxide, Self-hardening. H. A. Scholz and J. K. Wise. 2,476,919, July 19.
- Composition roofing. H. W. Greider and G. A. Fasold. 2,490,430, Dec. 6.
- Composition suitable for the construction of roads, paths, floors, aerodrome runways, and the like. J. F. T. Blott. 2,473,326, June 14.
- Composition of sulfonamides, Therapeutic. C. E. Folsome. 2,491,489, Dec. 20.
- Composition to blacken surfaces of copper and of alloys containing copper. J. D. MacMahon. 2,481,854, Sept. 13.
- Compositions containing benzothiazyl disulfide diarylguanidine. A. R. Davis. 2,475,583, July 12.
- Compositions for molding dentures and dentures molded therefrom. J. A. Saffir. 2,477,268, July 26.
- Compositions for the preparation of heat-resistant insulating materials, particularly in the form of independent films. O. K. Johannson. 2,463,974, Mar. 8.
- Compositions for use as antioxidant for motor fuels. H. Von Bramer. 2,487,909, Nov. 15.
- Compositions, Hydrocarbon oil. D. W. Young and P. W. Brakeley, Jr. 2,474,342, June 28.
- Compositions of chlorinated terphenyl and cellulose acetate-butyrate for strippable coatings. R. Ernst. 2,486,012, Oct. 25.
- Compositions of matter and methods and steps of making and using the same. M. T. Harvey. 2,461,510, Feb. 15.
- Compositions of matter comprising mixtures of a synthetic resin containing gel and a rubber. M. T. Harvey. 2,490,626, Dec. 6.
- Compositions of matter from oil-modified alkyd resins. P. W. Ham. 2,491,811, Dec. 20.
- Compositions of matter suitable for removing heavy metal oxides or water-insoluble heavy metal salts. C. Rossi. 2,488,832, Nov. 22.
- Compositions of starch ethers with other resins, Resinous. P. L. Nichols, Jr., and L. T. Smith. 2,458,191, Jan. 4.
- Compositions of 2,2-di-(halo-phenyl)-1,1,1-trichloroethanes and 2,4-dinitro-phenol compounds. G. E. Lynn and C. E. Dieter. 2,491,414, Dec. 13.
- Compositions, Production of thermoplastic inorganic. K. Turk. 2,475,651, July 12.
- Compound fluid ram. B. O. Burritt. 2,490,778, Dec. 13.
- Compound 4-chloro-3-trifluoromethylphenol and preparation. E. J. Lawson and C. M. Suter. 2,489,423, Nov. 29.
- Compound of chlorophyll and synthesis thereof, Soluble. H. W. Diamond and R. A. Smith. 2,476,358, July 19.
- Compound of resin and powdered metal, Fast-setting. E. J. Coleman. 2,472,247, June 7.
- Compound tool. N. E. Moore. 2,489,102, Nov. 22.
- Compounding sponge rubber stock. A. G. Horney and G. H. McFadden. 2,466,027, Apr. 5.
- Compounds and manufacture of same, Bicyclic. E. Adler and B. S. Hagglund. 2,485,549, Oct. 25.
- Compounds by crystallization, Separation of. W. Swietoslawski and J. R. Anderson. 2,470,116, May 17.
- Compounds modified by abietic nitriles. A. W. Ralston and H. M. Corley. 2,461,349, Feb. 8.
- Compounds of antianemia metals, Inactivated. G. E. Grindrod. 2,481,412, Sept. 6.
- Compounds of pyridine and their salts, Phthalamidic acid. H. L. Friedman and A. V. Tolstouhov. 2,474,893, July 5.
- Compounds of silicon and halogen, Reduction of. D. B. Hatcher. 2,458,703, Jan. 11.
- Compounds of the oxadiazole series. F. B. Stilmar. 2,464,831, Mar. 22.
- Compounds, Preserving alkyl metal. G. F. Ruddies. 2,473,972, June 21.
- Compounds, Production of metal. W. H. Vining. 2,474,021, June 21.
- Compressed-air pump installation, working under hydrostatic pressure. J. P. Polouckoff. 2,463,804, Mar. 8.
- Compressed oxygen, Process of and apparatus for producing. P. K. Rice. 2,464,891, Mar. 22.
- Compressed wire mesh unit. A. M. Goodloe. 2,462,316, Feb. 22.
- Compression riveter adjustable stop means. H. R. Fischer. 2,492,094, Dec. 20.
- Compressor. H. F. Hadley. 2,463,766, Mar. 8.
- Compressor. R. E. Lamberton. 2,482,626, Sept. 20.
- Compressor. E. A. Smith. 2,469,998, May 10.
- Compressor. C. H. Steenstrup. 2,485,417, Oct. 18.
- Compressor. F. Whittle. 2,489,692, Nov. 29.
- Compressor, Air. C. D. MacCracken. 2,462,518, Feb. 22.
- Compressor, Air. D. E. Willard. 2,492,547, Dec. 27.
- Compressor and evacuator, Centrifugal. C. E. Bassano. 2,488,157, Nov. 15.
- Compressor and exhaustor, Sliding vane air. H. A. Garrison. 2,459,071, Jan. 11.
- Compressor and fluid seal therefor, Rotary. V. S. Makaroff. 2,468,373, Apr. 26.
- Compressor, Axial flow. A. I. Ponomareff and A. F. Schwendner. 2,478,423, Aug. 9.
- Compressor, Centrifugal. G. Aue. 2,465,625, Mar. 29.
- Compressor, Centrifugal. S. A. Shuler, Jr. 2,469,214, May 3.
- Compressor control system. C. E. Finley. 2,492,361, Dec. 27.
- Compressor construction, Centrifugal. K. A. Browne. 2,482,462, Sept. 20.
- Compressor, Crop. F. Linderer. 2,458,713, Jan. 11.
- Compressor, Finger-weight artery. J. N. Walters. 2,480,430, Aug. 30.
- Compressor, Fluid. W. J. Hasselberg. 2,463,174, Mar. 1.
- Compressor follower for vertical files. O. L. Clevan and L. A. Wilson. 2,482,099, Sept. 20.
- Compressor for carbon microphones, Volume. J. C. O'Brien. 2,492,707, Dec. 27.
- Compressor for filing devices. J. R. Jones. 2,484,713, Oct. 11.
- Compressor for high stage pressures, Centrifugal. C. Meisser. 2,469,125, May 3.
- Compressor for refrigerating systems. A. P. Anderson. 2,466,193, Apr. 5.
- Compressor, Gas. J. S. Robbins. 2,478,321, Aug. 9.
- Compressor having means for separating gaseous refrigerant from foam, Reciprocating. D. F. Shepherd. 2,469,086, May 3.
- Compressor having means to prevent retrograde movement of the piston thereof, Lubricant. E. W. Davis. 2,477,726, Aug. 2.
- Compressor, High-pressure. W. Kilchenmann. 2,463,976, Mar. 8.
- Compressor, Hydraulic air. C. H. Nordell. 2,478,051, Aug. 2.
- Compressor, Lubricant. J. T. Leonard. 2,461,332, Feb. 8.
- Compressor lubrication supply mechanism. C. B. Flites. 2,471,868, May 31.
- Compressor, Multiple stage air. R. E. Mitton. 2,479,856, Aug. 23.
- Compressor, Multistage. G. Aue. 2,474,410, June 28.
- Compressor, Multistage. D. M. Smith and C. G. Lloyd. 2,461,931, Feb. 15.
- Compressor, Nutating axis rotary. D. O. Manseau. 2,489,041, Nov. 22.
- Compressor or motor, Helical gear. G. K. W. Boestad. 2,474,653, June 28.
- Compressor, pump and the like, Centrifugal. R. D. Van Millingen and G. R. White. 2,465,671, Mar. 29.
- Compressor, Refrigerant. A. I. Ponomareff. 2,458,730, Jan. 11.
- Compressor, Rotary cylinder. C. G. Jarne. 2,479,117, Aug. 16.
- Compressor, Sliding vane. D. W. Megeber. 2,458,620, Jan. 11.
- Compressor, Sliding vane reversible air. E. P. Larsh. 2,465,887, Mar. 29.
- Compressor, Sliding vane rotary. C. Shorrock. 2,470,656, May 17.
- Compressor stability means, Centrifugal. W. E. Trumpler. 2,471,174, May 24.
- Compressor-turbine engine. B. G. Carlson. 2,485,813, Oct. 25.
- Compressor unloading means. W. F. Gibson. 2,462,039, Feb. 15.
- Compressor with interchangeable stage element. W. E. Trumpler. 2,474,077, June 21.
- Compressor with storage tank, Portable motor operated air. C. S. Jones. 2,490,305, Dec. 6.
- Compressors, Cooling and lubrication of. M. C. Shaw. 2,470,655, May 17.
- Computer. M. L. Greenough. 2,470,303, May 17.
- Computer. D. E. Wilcox. 2,468,150, Apr. 26.
- Computer. E. R. Willard. 2,468,582, Apr. 26.
- Computer apparatus. G. Agins. 2,467,646, Apr. 19.
- Computer, Artillery. E. Lakatos. 2,489,907, Nov. 29.
- Computer, Compound angle. F. M. Williamson. 2,461,795, Feb. 15.
- Computer device for solving trigonometric problems. G. Agins. 2,465,624, Mar. 29.
- Computer, Electric. H. A. Peterson. 2,489,106, Nov. 22.
- Computer, Electrical. E. R. Fenske. 2,458,697, Jan. 11.
- Computer, Electronic. G. A. Morton and L. E. Flory. 2,462,275, Feb. 22.
- Computer, Electronic. R. L. Snyder, Jr., and J. A. Rajchman. 2,471,788, May 31.
- Computer for determining shellfire position, Plotter. H. G. Yamins and R. L. Dunn. 2,472,138, June 7.
- Computer for determining the correct proportions of ingredients for a selected mixture. R. W. Walker and W. G. Jamieson. 2,469,022, May 3.
- Computer, Spurious response. W. T. Doyle and E. R. Baker. 2,459,799, Jan. 25.
- Computer, Strain-stress. W. A. Sourwine, H. M. Maynard, and A. H. Flax. 2,478,720, Aug. 9.
- Computing apparatus. A. C. Hardy and E. C. Dench. 2,459,106, Jan. 11.
- Computing apparatus, Gravity ball. C. Graff. 2,463,763, Mar. 8.
- Computing apparatus, Mechanical. F. A. G. Koenig. 2,487,341, Nov. 8.
- Computing device, Electronic. W. H. Boghosian and H. G. Och. 2,458,553, Jan. 11.
- Computing device, Fuel. L. Coplan. 2,489,401, Nov. 29.

- Computing device, Periodic. D. R. Laux and T. Ward. 2,465,238, Mar. 22.
- Computing device, Photographer's. W. M. Frazer. 2,476,591, July 19.
- Computing machine. C. N. Curtis. 2,488,271, Nov. 15.
- Computing machine. F. A. G. Koenig. 2,487,342, Nov. 8.
- Computing machine. W. E. Lippert. 2,459,441, Jan. 18.
- Computing mechanism, Harmonic. F. Pierce. 2,477,527, July 26.
- Computing sight. R. M. Elliott. 2,471,204, May 24.
- Computing system. J. A. Rajchman. 2,473,444, June 14.
- Computing system, Electrical. C. A. Lovell. 2,476,747, July 19.
- Concealed ironing board. Le R. C. Campbell. 2,492,842, Dec. 27.
- Concentrate for treating peptic ulcer, Preparing a. A. C. Ivy and H. Greengard. 2,477,541, July 26.
- Concentrated aqueous colloidal dispersions of polytetrafluoroethylene and their preparation. K. L. Berry. 2,478,229, Aug. 9.
- Concentrating aqueous rubber dispersion by centrifuging. E. P. Jones. 2,475,141, July 5.
- Concentrating solutions of synthetic linear polyamides. R. P. Foulds and W. H. Roscoe. 2,489,569, Nov. 29.
- Concentrating vanadium ores by attrition followed by froth flotation. A. J. Weinig. 2,464,313, Mar. 15.
- Concentration. C. L. Dunn, M. Souders, Jr., and C. Groot. 2,481,092, Sept. 6.
- Concentration of aqueous formaldehyde solutions by azeotropic distillation under vacuum. R. L. Hasche and J. H. Brant. 2,475,959, July 12.
- Concentrations of gases, Automatically measuring. M. D. Thomas. 2,462,293, Feb. 22.
- Concentric conductor electric cable. E. Baguley. 2,480,106, Aug. 30.
- Concentric shell hot-air heater. S. J. Heiman. 2,462,395, Feb. 22.
- Concrete block machine. J. and W. Makedonsky. 2,488,494, Nov. 15.
- Concrete block mold. L. F. Kreger. 2,460,697, Feb. 1.
- Concrete brick press. H. K. Farris and W. Renshaw. 2,471,731, May 31.
- Concrete composition, Waterproof. W. D. Buckley and P. E. McCoy. 2,483,806, Oct. 4.
- Concrete construction form. J. V. Salmon. 2,492,502, Dec. 27.
- Concrete corrugated connection, Precast. A. Henderson. Re. 23,074, Jan. 11.
- Concrete curb block. E. C. Maccario. 2,471,226, May 24.
- Concrete form board fastener. V. H. Moore. 2,474,587, June 28.
- Concrete form tie rod. T. Sass. 2,486,683, Nov. 1.
- Concrete. Making water-impervious. R. C. Faulwetter. 2,491,487, Dec. 20.
- Concrete mixer. L. G. Hilkemeier. 2,467,588, Apr. 19.
- Concrete mixer. F. H. Schulz. 2,492,895, Dec. 27.
- Concrete, mix therefor, and making, Refractory. A. F. Ruedi. 2,469,081, May 3.
- Concrete mold. N. S. Shumway. 2,473,824, June 21.
- Concrete step mold. J. W. Alexander. 2,489,607, Nov. 29.
- Concrete storage structures, Molding reinforced. H. L. Hiebert. 2,477,930, Aug. 2.
- Condensates of rosin with unsaturated acyclic hydrocarbons. A. L. Rummelsburg. 2,477,654, Aug. 2.
- Condensates of rosin with unsaturated heterocyclics. A. L. Rummelsburg. 2,477,655, Aug. 2.
- Condensation of acrylonitrile and dicyandiamide and product thereof. I. Hechenbleikner. 2,489,181, Nov. 22.
- Condensation of alcohols. C. A. Carter. 2,457,866, Jan. 4.
- Condensation of aromatic hydrocarbons with terpenes. G. C. Johnson and J. Kellett, III. 2,487,338, Nov. 8.
- Condensation of zinc from its vapor in gaseous mixtures. S. Robson. 2,473,304, June 14.
- Condensation product, Melamine. H. W. Mohrman and F. E. Reese. 2,485,059, Oct. 18.
- Condensation product of a polyhalogenated aliphatic hydrocarbon and a copolymer of a polymerizable cyclic compound and an unsaturated aliphatic hydrocarbon. W. J. Sparks and D. W. Young. 2,472,495, June 7.
- Condensation products, Manufacture of. L. L. Lerner. 2,476,609, July 19.
- Condensation products, Manufacture of. C. Weizmann. 2,472,135, June 7.
- Condensation products of amides with bisulfates and aldehydes and making same. R. Sallmann and C. Graenacher. 2,479,782, Aug. 23.
- Condensation products of an alkyl phenol with an aromatic dibasic acylating agent. E. Lieber. 2,477,306, July 26.
- Condensation products of citric acid with long chain aliphatic monohydric alcohols. J. H. Wernitz. 2,473,460, June 14.
- Condensation products of methylol aliphatic diureas and methylol aminotriazines. H. M. Cadot. 2,485,187, Oct. 18.
- Condensation products of mononuclear monohydric phenols, formaldehyde, and mononuclear dihydric phenols. R. J. Spahr, W. R. Moffitt, and E. H. Pryde. 2,489,336, Nov. 29.
- Condensation products of pentaerythrityltetramine with beta-diketones and beta-hydroxy methylene ketones. C. J. Pedersen and F. B. Downing. 2,462,668, Feb. 22.
- Condensation products of resorcinol and formaldehyde. R. J. Spahr and D. J. Lieb. 2,490,927, Dec. 13.
- Condensation products of tri-(beta-aminoethyl)-amine and beta-diketones or hydroxy methylene ketones. L. A. Hamilton and C. J. Pedersen. 2,461,894, Feb. 15.
- Condensation products, Organo-silicon-phosphorus. C. E. Trautman. 2,488,449, Nov. 15.
- Condensation products, Preparing low ash. H. Wittcoff. 2,447,551, July 26.
- Condenser: See—
- Dynamic condenser. Reversible circulation condenser.
- Electrical condenser.
- Condenser. H. E. Byer. 2,462,355, Feb. 22.
- Condenser. J. M. Dyer. 2,477,688, Aug. 2.
- Condenser. H. L. Hartzell. 2,466,766, Apr. 12.
- Condenser. B. C. Johnson. 2,471,960, May 31.
- Condenser. W. E. McCown. 2,459,332, Jan. 18.
- Condenser. B. S. Melton. 2,485,902, Oct. 25.
- Condenser. C. G. Vonk. 2,482,951, Sept. 27.
- Condenser and exhaust conduit therefor. F. C. Barber. 2,486,775, Nov. 1.
- Condenser apparatus. A. I. Ponomareff. 2,472,615, June 7.
- Condenser arrangement, Evaporative. C. F. Henney. 2,483,540, Oct. 4.
- Condenser attachment, Amalgam carrier. F. J. Arena. 2,476,793, July 19.
- Condenser bracket. P. B. Burrus. 2,469,451, May 10.
- Condenser charging system. H. Klempner. 2,464,238, Mar. 15.
- Condenser construction. J. J. Nagy. 2,470,045, May 10.
- Condenser, Electric. J. T. Osterman. 2,485,913, Oct. 25.
- Condenser, Electrochemical. A. M. B. Charlin. 2,488,763, Nov. 22.
- Condenser for mechanical refrigerating machines, Refrigerant. W. H. Cook. 2,487,852, Nov. 15.
- Condenser for picture projection units, Light. G. T. Johnson. 2,462,749, Feb. 22.
- Condenser induction motor circuit. W. J. Morrill. 2,464,253, Mar. 15.
- Condenser manufacture. F. J. Marco. 2,492,166, Dec. 27.
- Condenser motor. W. F. Boelsmans. 2,461,717, Feb. 15.
- Condenser, Trimmer. J. D. Repko. 2,476,385, July 19.
- Condenser, Variable. W. M. Towle. 2,476,930, July 19.
- Condenser winder. T. T. Logie and J. J. Galla. 2,467,897, Apr. 19.
- Condenser with trimmer, Variable. S. R. Montcalm. 2,458,187, Jan. 4.
- Condensers, Assembling variable. C. Piton. 2,464,716, Mar. 15.
- Condensers, Manufacture of electrical. R. A. Grouse and F. L. G. Bettridge. 2,463,765, Mar. 8.
- Condensers or the like for heat exchange apparatus, Producing. N. Kramer. 2,462,511, Feb. 22.
- Condensers. Pressure-gas filled. P. Baltensperger. 2,466,298, Apr. 5.
- Condensers, Producing electrical. P. Dubilier and J. Katzman. 2,478,754, Aug. 9.
- Condensing device, Sliver. O. W. Schlums. 2,470,055, May 10.
- Condensing fatty acid halides with aromatic acid halides. E. Lieber and A. F. Cashman. 2,470,504, May 17.
- Condiment dispenser. A. Calise. 2,479,811, Aug. 23.
- Condiment holder. H. E. Beatty and T. W. Mullen. 2,484,148, Oct. 11.
- Condition control apparatus. G. F. Drake. 2,478,183, Aug. 9.
- Condition regulating apparatus. W. H. Kliever. 2,476,496, July 19.
- Condition responsive device. J. O. Rosche. 2,464,944, Mar. 22.
- Condition responsive switch. J. C. Rosche. 2,473,075, June 14.
- Condition responsive system. R. Amsler. 2,480,433, Aug. 30.
- Conditioning a hard soap for solvent extraction. J. M. Tabor, H. F. Seibert, and P. R. Frohring. 2,461,300, Feb. 8.
- Conditioning agent. G. W. Seymour and M. Duke. 2,479,644, Aug. 23.
- Conditioning air, Method of and apparatus for. C. L. Ringquist. 2,477,826, Aug. 2.
- Conditioning apparatus for steam heating systems to remove scale, corrosion, etc. F. J. Miller. 2,465,387, Mar. 29.
- Conditioning machine, Fur. S. Friedman. 2,477,448, July 26.
- Conditioning foundry sand. K. R. Grube. 2,491,006, Dec. 13.
- Conditioning molasses and the like for production of citric acid by fermentation. J. C. Woodward, E. L. Snell, and R. S. Nicholls. 2,492,673, Dec. 27.
- Conditioning system, Engine lubricant. H. T. Booth, A. C. Hoffman, and J. D. Olcott. 2,478,521, Aug. 9.
- Conducting aldol condensation reactions. D. C. Hull. 2,468,710, Apr. 26.
- Conducting bearing. C. C. Patton. 2,477,139, July 26.
- Conducting chemical reactions, Method and apparatus for. J. H. Hirsch. 2,488,406, Nov. 15.
- Conducting gas-solid contact operations, Method and apparatus for. J. A. Crowley, Jr. 2,458,350, Jan. 4.
- Conducting reactions in the presence of a contact mass, Method and apparatus for. L. P. Evans. 2,458,357, Jan. 4.

- Conductivity control. E. C. Thomson. 2,468,791, May 3.
 Conductor, Asymmetrical. G. O. Smith. 2,484,252, Oct. 11.
 Conductor, Coaxial. L. H. Morin. 2,461,834, Feb. 15.
 Conductor device. R. P. Hanna. 2,479,352, Aug. 16.
 Conductor, Electric. S. A. Duvall. 2,464,124, Mar. 8.
 Conductor, Electric. M. F. Peters and J. J. Phillips. 2,462,993, Mar. 1.
 Conductor, Electrical. L. A. Brooks. 2,473,985, June 21.
 Conductor, Extensible. H. W. Dutcher. 2,488,527, Nov. 22.
 Conductor for induction heating, Flexible. H. A. Strickland, Jr. 2,457,843, Jan. 4.
 Conductor hanger. L. F. Ownbey. 2,488,322, Nov. 15.
 Conductor, Insulated. J. J. Keyes. 2,459,653, Jan. 18.
 Conductor, Insulated. W. H. Smyers. 2,469,416, May 10.
 Conductor, Light. I. H. Zinberg. 2,480,178, Aug. 30.
 Conductor support. H. A. Frey and R. L. McCoy. 2,475,230, July 5.
 Conductor support. R. P. Hanna and L. F. Brahmer. 2,491,973, Dec. 20.
 Conductor unit, Electricity. J. F. O'Brien. 2,457,831, Jan. 4.
 Conductor's check holder. J. O. B. Johnson. 2,492,480, Dec. 27.
 Conductors to glass envelope walls, Sealing. P. H. Craig. 2,462,020, Feb. 15.
 Conduit connector. W. H. Taylor. 2,475,574, July 5.
 Conduit construction, Braced. H. Zwerling. 2,491,700, Dec. 20.
 Conduit coupling. S. M. Melton. 2,463,407, Mar. 1.
 Conduit elbow and making it. J. P. Murdoch. 2,491,757, Dec. 20.
 Conduit for corrosive fluids. R. E. Chappell, C. M. Beamer, and R. B. Duff. 2,464,487, Mar. 15.
 Conduit for electric power lines. T. J. Hinchon. 2,483,050, Sept. 27.
 Conduit manifold. R. Moese. 2,476,615, July 19.
 Conduit, Multiple. E. C. Parsons. 2,475,635, July 12.
 Conduit section, Severable electrical. J. F. O'Brien and E. S. Boynton. 2,470,788, May 24.
 Conduit support. A. T. Flower and J. A. Ten Brook. 2,475,545, July 5.
 Conduits for corrosive fluids, Fabrication of. L. J. Wilcox. 2,462,699, Feb. 22.
 Cone for dyeing yarn. R. A. Russell. 2,489,465, Nov. 29.
 Cone, Ice-cream. A. A. Hevman. 2,487,136, Nov. 8.
 Cone orifice, Adjustable. E. D. Eaton and F. W. Catudal. 2,462,953, Mar. 1.
 Cone tie, Spring equipped double. S. J. Kardos. 2,460,753, Feb. 1.
 Cone type well drilling bit. J. S. Goodwin and C. E. Whittaker. 2,470,695, May 17.
 Confection and edible container therefor, Frozen. F. L. Harrison. 2,489,129, Nov. 22.
 Confection making apparatus. H. E. Bianchi. 2,487,417, Nov. 8.
 Confection making machine. H. P. Curlee. 2,472,650, June 7.
 Confection product. E. M. Kennedy. 2,464,515, Mar. 15.
 Confection with support therefor. J. Barricini. 2,469,589, May 10.
 Confectioneries, Making. J. J. Alikonis. 2,459,908, Jan. 25.
 Confectionery. H. Strausser. 2,461,399, Feb. 8.
 Conical roller, Self-aligning. T. O. Davidson. 2,460,810, Feb. 8.
 Connected table. R. Schwarz, Jr. 2,489,933, Nov. 29.
 Connecting and sealing device, Electrical. C. D. Van Fleet. 2,490,323, Dec. 6.
 Connecting coaxial cables. H. C. Schwartz. 2,468,783, May 3.
 Connecting device. B. N. Ashton. 2,470,800, May 24.
 Connecting device. G. V. Woodling. 2,474,880, July 5.
 Connecting means for pivoted rotary closures. A. P. Alger. 2,466,295, Apr. 5.
 Connecting means for shaker conveyer troughs. R. S. Bigelow. 2,467,957, Apr. 19.
 Connecting means, Mechanical. H. H. Merriman. 2,489,919, Nov. 29.
 Connecting mechanism for demand meters. L. A. Paine and K. M. Smith. 2,482,793, Sept. 27.
 Connecting parts of optical instruments. A. A. Gradisar. 2,465,083, Mar. 22.
 Connecting plug. J. M. Rogle. 2,482,214, Sept. 20.
 Connecting rod. D. H. Chason. 2,478,041, Aug. 2.
 Connecting rod. W. W. Hamill and R. S. Crump. 2,473,096, June 14.
 Connecting sheaths enclosing electrical elements. G. W. Pickels, IV. 2,491,688, Dec. 20.
 Connecting wires to terminals, Electrically. J. R. Pheazey and R. J. M. Andrews. 2,462,127, Feb. 22.
 Connection device, Electrical. H. E. Page. 2,470,320, May 17.
 Connection, Electric swivel. F. J. Rehm, Jr. 2,459,118, Jan. 11.
 Connection, Electrical. F. F. Gunther. Re. 23,173, Nov. 29.
 Connection, Flexible. S. Guarnaschelli. 2,490,687, Dec. 6.
 Connection for bracing rods. H. E. Gingrich. 2,488,285, Nov. 15.
 Connection for brake rods and the like, Resilient. G. B. Dorey. 2,461,633, Feb. 15.
 Connection for chains, Flight. P. C. De Bruyne. 2,467,193, Apr. 12.
 Connection for cleaner wipers, Fluid transmission. T. J. Smulski. 2,483,243, Sept. 27.
 Connection for electric incandescent lamps, Filament. L. G. Leighton. 2,462,325, Feb. 22.
 Connection for furnace members. N. D. Rice. 2,489,587, Nov. 29.
 Connection for hydraulic hoists, Swivel. R. G. Armington. 2,466,352, Apr. 5.
 Connection for ophthalmic mountings, Temple hinge. E. M. Splaine. 2,478,334, Aug. 9.
 Connection for structural members. J. A. Sims. 2,463,124, Mar. 1.
 Connection for vehicle coupling and steering devices, Double universal. J. H. Hyler. 2,473,375, June 14.
 Connection, Interoffice. K. L. Burgener. 2,483,179, Sept. 27.
 Connection means, Electrical. C. S. Penfold. 2,458,097, Jan. 4.
 Connection means for phonograph pickups. W. J. Brown and A. L. W. Williams. 2,485,137, Oct. 18.
 Connection, Power lift. J. H. Starr. 2,484,759, Oct. 11.
 Connection, Shielded. A. Morris. 2,490,596, Dec. 6.
 Connection, Spring compression tubing and pipe. R. Carignan. 2,458,833, Jan. 11.
 Connection, Tool handle. J. Winkler. 2,458,815, Jan. 11.
 Connector: See—
 Armored cable connector. Fusible connector.
 Attachable brace and gar- Hydraulic connector.
 ment connector. Lay connector.
 Automatic line splice and Lead connector.
 terminal connector. Multiwire connector.
 Axle trailer connector. Nonmetallic sheath cable
 Basin tap connector. connector.
 Battery handle connector. Outlet box connector.
 Cable connector. Preinsulated aerial cable
 Cable lock connector. tap connector.
 Circuit connector. Range connector.
 Conduit connector. Screwed sleeve electrical
 Electric cable connector. connector.
 Electric conduit connector. Separable connector.
 Electric connector. Straddle link connector.
 Electrical connector. Valve connector.
 Electrical snap-on wire Universal electrical con-
 connector. nector.
 Flexible connector. Wire connector.
 Fused plug connector.
 Connector. S. P. Becker. 2,469,542, May 10.
 Connector. W. D. Boynton. 2,477,955, Aug. 2.
 Connector. E. S. Child. 2,469,495, May 10.
 Connector. R. A. Goeller. 2,475,741, July 12.
 Connector. K. McGee and H. D. Vanderpool. 2,460,304, Feb. 1.
 Connector. J. E. North. 2,479,251, Aug. 10.
 Connector. C. E. Quinn. 2,480,963, Sept. 6.
 Connector. L. E. Sauer. 2,462,227, Feb. 22.
 Connector. R. M. Silliman. 2,485,930, Oct. 25.
 Connector and rod assembly, Forked. F. H. Pletzsch. 2,480,958, Sept. 6.
 Connector apparatus, Electrical. L. Walter. 2,481,181, Sept. 6.
 Connector assembly for absorption refrigerators, Flue. C. D. Pfender, A. Schultze, and C. J. Knerr. 2,462,671, Feb. 22.
 Connector clamp. J. F. Healy, Jr. 2,487,801, Nov. 15.
 Connector device, Electrical. G. M. Mierley. 2,471,440, May 31.
 Connector device, Valve. L. S. Williams. 2,483,990, Oct. 4.
 Connector, Electrical. S. M. Del Camp. 2,476,404, July 19.
 Connector for closure operators, Adjustable belt. A. C. Scinta. 2,491,133, Dec. 13.
 Connector for clotheslines, Adjusting. W. E. White. 2,478,994, Aug. 16.
 Connector for electrical conductors. L. B. Paules. 2,476,429, July 19.
 Connector for electric cords, Swivel. R. Baumann. 2,476,398, July 19.
 Connector for flexible conduits. J. F. Ekleberry. 2,479,483, Aug. 16.
 Connector for flexible electrical conduits, Box. W. R. Woodring. 2,468,854, May 3.
 Connector for ironing boards, Dual reel wire. I. Mendelsohn. 2,473,107, June 14.
 Connector for pressure lines. E. H. Scovell. 2,477,834, Aug. 2.
 Connector for sound recorders, Acoustical telephone. S. B. Berkeley. 2,479,806, Aug. 23.
 Connector for storage batteries and the like, Cable. D. Van Squires. 2,475,415, July 5.
 Connector for straps and the like, Quick-release. A. Y. Warner and W. J. Craven. 2,473,554, June 21.
 Connector for tensile members, Detachable. J. R. C. Quilter. 2,469,574, May 10.
 Connector for termini of angularly disposed conveyers, Stationary. O. E. Kantenwein. 2,487,878, Nov. 15.
 Connector for thin wall conduits. S. Squiller. 2,484,192, Oct. 11.
 Connector for tubular frame structures, Welded. W. Moffatt. 2,477,260, July 26.
 Connector for vacuum cleaner dust bags. E. P. Turner. 2,492,122, Dec. 20.

- Connector for welding apparatus, Ground. G. Raymond. 2,475,051, July 5.
- Connector of the puller type, Electric. H. J. Hammerly and R. A. Salomone. 2,479,234, Aug. 16.
- Connector rod. W. E. Lundgren. 2,490,223, Dec. 6.
- Connector strip. H. D. Geyer. 2,492,566, Dec. 27.
- Connector with spring wire, Electric. H. W. Batcheller. 2,471,923, May 31.
- Connectors, Making electrical. V. E. Carlson and T. C. Freedom. 2,468,169, Apr. 26.
- Conservation system, Power. C. E. Torsch. 2,477,557, July 26.
- Console set. J. W. Williams. 2,468,007, Apr. 19.
- Consolidation of sands. G. G. Wrightsman. 2,476,015, July 12.
- Constant current circuit. E. S. Purington. 2,475,050, July 5.
- Constant potential source of the thermocouple type. P. A. Borden. 2,463,944, Mar. 8.
- Constant-speed electric motor. C. T. Altfather. 2,473,839, June 21.
- Constant velocity joint. G. E. Dunn. 2,485,868, Oct. 25.
- Constant velocity universal joint. F. F. Miller, Jr. 2,473,036, June 14.
- Constant voltage source. H. E. Kallmann. 2,482,980, Sept. 27.
- Constructing center parting and contraction joints and sealing expansion joints in pavements. W. J. Van London. 2,479,434, Aug. 16.
- Constructing girders and ceilings. W. R. Mathis. 2,484,520, Oct. 11.
- Constructing multilayer cylinders. H. H. Needham. 2,489,802, Nov. 29.
- Constructing slip-lasted stitched-down shoes. J. Glassman. 2,489,027, Nov. 22.
- Constructing training mock-up. J. H. Koch. 2,490,690, Dec. 6.
- Construction for baby carriages, Antitip. H. W. Wickman and G. A. J. Racine. 2,469,909, May 10.
- Construction for chairs, Seat. J. B. O'Connor. 2,458,095, Jan. 4.
- Construction for neon signs, Electrode. T. H. Briggs, Jr. 2,459,789, Jan. 25.
- Construction for pianos, Resonating chamber. H. O. Crippen, Sr. 2,483,087, Sept. 27.
- Construction for preventing disengagement of gears. W. A. Koster. 2,486,715, Nov. 1.
- Construction for projection lamps. M. R. Hutchinson, Jr. 2,466,430, Apr. 5.
- Construction for sliding car doors, Weathertight. F. Ditchfield. 2,477,119, July 26.
- Construction for tractors, Drawbar. W. A. Greene. 2,461,269, Feb. 8.
- Construction for turbines, Rotor. V. Cronstedt. 2,458,148-9, Jan. 4.
- Construction, Lamp. F. Schwartz, M. R. Lewis, and H. R. Feldman. 2,481,355, Sept. 6.
- Construction material, Making. B. E. Gallup. 2,475,781, July 12.
- Construction of fuselages. F. Amiot. 2,486,378, Nov. 1.
- Construction of glb guides. H. F. MacMillin and W. Ernst. 2,491,384, Dec. 13.
- Construction of irrigation pipes and flexible pipe joints therefore. G. F. Hauf. 2,484,087, Oct. 11.
- Construction of structural members. D. H. Green. 2,462,385, Feb. 22.
- Construction of ultra high frequency broad-band antennas. A. Streib, E. D. Thorne, and R. S. Wehner. 2,492,404, Dec. 27.
- Construction, Paper bag. B. Frischer. 2,487,643, Nov. 8.
- Contact apparatus, Gas and liquid. R. S. Gaugler. 2,466,541, Apr. 5.
- Contact apparatus, Liquid-vapor. T. O. Wentworth. 2,484,918, Oct. 18.
- Contact construction. S. Miller and P. A. Pontius. 2,476,886, July 19.
- Contact construction, Circuit breaker. A. S. Caswell. 2,471,608, May 31.
- Contact device. E. E. Å. Johansson. 2,490,631, Dec. 6.
- Contact device, Electrical. G. B. Knös. 2,488,669, Nov. 22.
- Contact device, Electrically operated. J. E. Garrigan and S. J. Durda. 2,478,691, Aug. 9.
- Contact device for rotary switches. S. G. Andersson. 2,482,997, Sept. 27.
- Contact device, Mercury. C. E. Pollard, Jr. 2,473,693, June 21.
- Contact device with liquid contact means, Electrical. R. E. Paris. 2,475,335, July 5.
- Contact element containing tin oxide, Electrical. M. J. Stumbeck. 2,486,341, Oct. 25.
- Contact element for plug-in sockets. S. T. Deakin. 2,485,364, Oct. 18.
- Contact for multiple connectors. C. J. Adams. 2,477,849, Aug. 2.
- Contact-making device for electrical appliances. H. L. Lesigne. 2,486,042, Oct. 25.
- Contact material regeneration. T. P. Simpson. 2,458,433, Jan. 4.
- Contact materials, Production of. J. H. Hickey. 2,484,428, Oct. 18.
- Contact means. C. C. Hein. 2,473,884, June 21.
- Contact mechanism. W. E. Wilson. 2,468,583, Apr. 26.
- Contact member and manufacture thereof, Electrical displacement-resistance. H. C. Pasini and G. M. Heckel. 2,468,344, Apr. 26.
- Contact member, Electrical. W. M. Hurst. 2,486,285, Oct. 25.
- Contact protection for mercury wetted switch contacts. E. T. Burton. 2,459,306, Jan. 18.
- Contact roll for abrasive belts. H. R. Herchenrider. 2,477,602, Aug. 2.
- Contact selecting finger for crossbar switches. E. A. Wiberg and E. H. Paulander. 2,476,789, July 19.
- Contact structure for electron tubes, Resilient. R. Chamberlin. 2,482,839, Sept. 27.
- Contact structure, Mercury switch. I. E. McCabe. 2,492,875, Dec. 27.
- Contact surfaces for copper oxide rectifiers, Liquid treatment of. C. C. Hein. 2,465,228, Mar. 22.
- Contacting apparatus. F. L. Melvill. 2,490,079-80, Dec. 6.
- Contacting apparatus, Gas-solid. K. M. Watson. 2,459,056, Jan. 11.
- Contacting element, Electrical. F. R. Hensel and E. I. Larsen. 2,490,214, Dec. 6.
- Contacting elements, Making electrical. D. G. Blattner. 2,458,552, Jan. 11.
- Contacting equipment, Electrical. B. W. Benbow. 2,479,461, Aug. 16.
- Contacting fluid solids with gases. W. F. Rollman. 2,491,135, Dec. 13.
- Contacting fluids. S. W. Ferris, E. R. Lamson, and D. M. Smith. 2,472,578, June 7.
- Contacting gaseous fluid with solid particles. C. E. Hemminger. 2,487,132, Nov. 8.
- Contacting gaseous fluids and solid particles. H. J. Ogorzaly and A. Voorhies, Jr. 2,461,343, Feb. 8.
- Contacting gases and moving particle form solids. C. H. Lechthaler, J. W. Payne, and P. D. Valas. 2,474,199, June 21.
- Contacting gases with a solid contact material. J. W. Payne. 2,458,411, Jan. 4.
- Contacting material, Industrial. R. C. Scofield. 2,470,652, May 17.
- Contacting of liquids, Method and apparatus for counter-current. J. D. Long and C. O. Rhys, Jr. 2,460,019, Jan. 25.
- Contacting subdivided solid contact material with fluid reactants, particularly hydrocarbons, Method and apparatus for. F. W. Leffer. 2,459,824, Jan. 25.
- Contactor. B. O. Austin. 2,476,794, July 19.
- Contactor. E. L. Brazil. 2,487,517, Nov. 8.
- Contactor. J. B. Bubb and C. E. Wallace. 2,481,194, Sept. 6.
- Contactor and separator for low-density solids. D. H. Putney. 2,487,370, Nov. 8.
- Contactor for fluids, Rotary. R. L. Maycock. 2,474,006, June 21.
- Contactor for movable shafts, Electrical. R. W. George. 2,473,705, June 21.
- Contactor, Rotary. J. H. Bowden and N. W. Muller. 2,480,215, Aug. 30.
- Contacts, Making. R. C. Heath, W. R. Howe, and W. E. King. 2,473,371, June 14.
- Container: See—
- Blade-dispensing container.
 - Bulk ice-cream container.
 - Cellular container.
 - Chalk container.
 - Cigarette container.
 - Cigarette paper container.
 - Collapsible cylindrical container.
 - Collapsible hexagonal container.
 - Collapsible packaging container.
 - Collapsible permanent shipping container.
 - Combination lipstick and rouge container.
 - Combined condiment container.
 - Combined shipping and display container.
 - Currency container.
 - Dispensing container.
 - Display and shipping container.
 - Electric hammer container.
 - Exterior bomb container.
 - Face powder container.
 - Fiberboard shipping container.
 - Fireproof container.
 - Food container.
 - Freight container.
 - Gas storage container.
 - Ice-cream container.
 - Insulated container.
 - Key container.
 - Lightweight container.
 - Container. C. O. Ball. 2,478,358, Aug. 9.
 - Container. C. O. Ball and F. D. Scott. 2,461,251, Feb. 8.
 - Line dispensing container.
 - Lined container.
 - Lipstick container.
 - Liquid container.
 - Live bait container.
 - Low pressure container.
 - Metal container.
 - Milk container.
 - Modern chick feed container.
 - Mothproof container.
 - Multichamber container.
 - Multicompartment container.
 - One-piece paper container.
 - Paper container.
 - Permutation lock container.
 - Pneumatically unloadable shipping container.
 - Powder dispensing container.
 - Refrigerated shipping container.
 - Rodentproof fruit and vegetable container.
 - Self-sealing container.
 - Sharp freezing container.
 - Shipping container.
 - Shock-proof bottle container.
 - Soap container.
 - Toilet brush container.
 - Waste container.
 - Waterproof shipping container.
 - Wire dispensing container.

- Container. G. Brereton. 2,458,246, Jan. 4.
 Container. J. P. Burgoon. 2,476,583, July 19.
 Container. K. T. Buttery. 2,489,616, Nov. 29.
 Container. A. J. Chateauf. 2,458,834, Jan. 11.
 Container. Walton B. and William B. Crane, Jr. 2,461,879, Feb. 15.
 Container. R. J. Crawford. 2,488,526, Nov. 22.
 Container. T. H. Cribb. 2,477,965, Aug. 2.
 Container. G. R. Dempster. 2,464,441, Mar. 15.
 Container. G. C. Erb. 2,488,528, Nov. 22.
 Container. A. E. Harker. 2,483,412, Oct. 4.
 Container. I. and J. D. Hill. 2,459,939, Jan. 25.
 Container. M. T. Hunsworth. 2,488,194, Nov. 15.
 Container. A. H. Johnson. 2,483,464, Oct. 4.
 Container. H. Kinberg. 2,467,392, Apr. 19.
 Container. C. E. Meyerhoefer. 2,491,680, Dec. 20.
 Container. E. A. Pardee. 2,472,985, June 14.
 Container. W. A. Ringler. 2,463,313, Mar. 1.
 Container. W. A. Roselle. 2,473,391, June 14.
 Container. R. S. Sanford. 2,476,948, July 19.
 Container. H. E. Smith. 2,466,666, Apr. 12.
 Container. G. R. Sparks and C. G. Killen, Jr. 2,459,193, Jan. 18.
 Container. J. S. Tomczak. 2,479,592, Aug. 23.
 Container. G. S. Vivian. 2,483,162, Sept. 27.
 Container. R. Vogel. 2,483,304, Sept. 27.
 Container. I. L. Wilcox. 2,471,017, May 24.
 Container. M. I. Williamson. 2,469,535, May 10.
 Container. M. I. Williamson. 2,472,183, June 7.
 Container and ash tray, Combined cigarette. L. Coughlin. 2,467,660, Apr. 19.
 Container and cap, Sealed. H. T. Griswold. 2,481,111, Sept. 6.
 Container and cap sealing means, Readily releasable liquid. P. Guagliano. 2,461,893, Feb. 15.
 Container and closure. F. W. Krueger. 2,463,701, Mar. 8.
 Container and closure. F. W. Krueger. 2,484,039, Oct. 11.
 Container and closure therefor. G. Glocker. 2,471,565, May 31.
 Container and closure therefor. H. Rubin. 2,477,143, July 26.
 Container and cover. C. D. Magnesen. 2,461,908, Feb. 15.
 Container and cover, Automatic combination. M. M. Rodbell. 2,465,752, Mar. 29.
 Container and dispenser, Parenteral fluid. J. E. Meagher. 2,462,986, Mar. 1.
 Container and holder for blocklike articles, Combined. J. F. Skold. 2,459,247, Jan. 18.
 Container and lighter, Cigarette dispensing. F. Stein. 2,462,231, Feb. 22.
 Container and making same. A. B. Wilson. 2,464,278, Mar. 15.
 Container and making the same. A. A. Abramson. 2,483,604, Oct. 4.
 Container and manufacture. A. B. Wilson. 2,461,581, Feb. 15.
 Container and nonsnap type of closure therefor, Open mouth. E. S. Tupper. 2,487,400, Nov. 8.
 Container and releasing mechanism, Bomb. J. C. Darnall, Jr. 2,481,501, Sept. 13.
 Container and support, Combined bottle. R. Chemlinski. 2,458,766, Jan. 11.
 Container and tissue packs therefor, Tissue dispensing. H. W. Patterson. 2,460,306, Feb. 1.
 Container band severing tool. C. E. Stafford. 2,482,805, Sept. 27.
 Container cap. D. Peterson. 2,472,436, June 7.
 Container cap. L. H. Rohde and J. E. Underwood. 2,465,269, Mar. 22.
 Container carrier. S. Petyak. 2,460,530, Feb. 1.
 Container closing apparatus. E. Henschen and S. W. Dennis. 2,473,523, June 21.
 Container closure. G. C. Erb. 2,490,791, Dec. 13.
 Container closure. J. G. Rote, Jr. 2,476,627, July 19.
 Container construction. R. H. Horning and I. L. Wilcox. 2,470,984, May 24.
 Container construction, Flanged. W. Tamoschat. 2,491,426, Dec. 13.
 Container filling device. P. Darabaris. 2,478,251, Aug. 9.
 Container for a comb. R. Gingold. 2,472,700, June 7.
 Container for ammunition or other irregularly shaped articles. R. R. Hutchison. 2,486,949, Nov. 1.
 Container for amphibious and aquatic animals, Shipping. J. E. Cook. 2,476,704, July 19.
 Container for and wrapping irregular objects. H. Amatel. 2,479,453, Aug. 16.
 Container for aseptic material. J. N. Mascl. 2,479,581, Aug. 23.
 Container for attachment to parking meter posts, Advertising sign. C. M. Williams. 2,468,421, Apr. 26.
 Container for bathroom supplies. W. D. Richardson. 2,472,683, June 7.
 Container for cigarettes, cosmetics, and the like. F. A. Winter. 2,464,956, Mar. 22.
 Container for collapsible tube with axially movable, rotatively actuated, follower-type extruder, Dispensing. A. R. Hutchason. 2,477,875, Aug. 2.
 Container for condiments. M. J. Dawson and H. L. Epperly. 2,482,327, Sept. 20.
 Container for dental drills and the like, Dishlike. W. Roos. 2,491,771, Dec. 20.
 Container for dentifrices. C. J. Penney. 2,477,200, July 26.
 Container for disk-shaped articles, Fiberboard. W. H. Taylor. 2,471,173, May 24.
 Container for dispensing materials. C. J. Crane. 2,488,854, Nov. 22.
 Container for electrical apparatus. S. Nadelson. 2,485,837, Oct. 25.
 Container for electrode assemblies, Sealed. L. La Brie. 2,486,482, Nov. 1.
 Container for holding and dispensing perishable commodities. L. L. Pritchard. 2,467,155, Apr. 12.
 Container for jewelry, Shipping and display. W. J. Thompson. 2,469,530, May 10.
 Container for liquefied gases. H. C. Kornemann. 2,460,355, Feb. 1.
 Container for liquefied gases, Portable. O. A. Hansen and W. J. Anderson. 2,467,428, Apr. 19.
 Container for materials in stick form. W. E. Mesh and B. Carlin. 2,486,960, Nov. 1.
 Container for nails and the like. A. K. Dvorak. 2,475,450, July 5.
 Container for oil and other liquids, Fibrous. C. K. Dunlap. 2,467,016, Apr. 12.
 Container for photographic plates. W. Rabkin. 2,476,767, July 19.
 Container for postage stamps, Pocket. V. Duchin. 2,468,817, May 3.
 Container for refrigerator cars, Refrigerant. E. R. Battley and G. E. McCoy. 2,459,211, Jan. 18.
 Container for tortillas and other heated food. J. Maldonado. 2,484,631, Oct. 11.
 Container for vacuum cleaners, Dust. L. W. Scriven. 2,467,503, Apr. 19.
 Container forming machine. J. G. Vergobbi. 2,466,341, Apr. 5.
 Container forming machine and method. T. E. Piazze. 2,475,359, July 5.
 Container having a rupturable partition, Compartmented. A. A. Greenberg. 2,487,236, Nov. 8.
 Container having closure locking means, Dispensing. C. O. Ball. 2,470,388, May 17.
 Container having hinged cover, Molded plastic. J. Brunetti. 2,460,488, Feb. 1.
 Container liquid level indicator. H. P. Murphy. 2,468,833, May 3.
 Container seams, Electric butt-welding metallic. H. J. Paynter. 2,472,848, June 14.
 Container structure and forming same, Paper. J. Coyle. 2,467,930, Apr. 19.
 Container structure, Insulated. G. H. Norquist. 2,485,646-7, Oct. 25.
 Container support. A. C. Waterman. 2,466,288, Apr. 5.
 Container with collapsible liner, Dispensing. L. L. Houck. 2,490,303, Dec. 6.
 Container with external camera control means, Underwater camera. M. G. Grigsby. 2,487,868, Nov. 15.
 Container with measuring trap, Tilttable. L. D. Friedman. 2,485,194, Oct. 18.
 Container with pressure valve. A. S. Kester. 2,492,225, Dec. 27.
 Container with rotatable closure, Dispensing. R. L. Hoffman. 2,480,096, Aug. 23.
 Container with slide, Transparent display. S. Fogel. 2,481,302, Sept. 6.
 Container with sliding closure, Dispensing. J. Coyle, and W. F. Punte. 2,492,846, Dec. 27.
 Containers, Assembling. J. A. Zinn, Jr. 2,480,176, Aug. 30.
 Containers, Collapsible wheeled. V. P. Schaus. 2,461,482, Feb. 1.
 Containers, Making. V. Hagopian. 2,460,820, Feb. 8.
 Containers, Making. E. Nathan. 2,464,524, Mar. 15.
 Containers with metallic closures, Making fiber. R. Beattie. 2,467,182, Apr. 12.
 Contaminants from cracking catalysts, Removing. J. A. Snyder. 2,481,253, Sept. 6.
 Contamination control. J. Rothstein. 2,486,436, Nov. 1.
 Contamination resisting hat for magnetrons. F. Hutchinson. 2,463,388, Mar. 1.
 Continuous disk filter. A. L. Genter. 2,464,223, Mar. 15.
 Continuous drier. A. A. Locke. 2,469,882, May 10.
 Continuous electrical receptacle. J. J. Paden. 2,478,006, Aug. 2.
 Continuous method and apparatus for producing plastics. G. H. Alvey. 2,478,885, Aug. 9.
 Continuous method of forming and porcelain enameling sheet metal. R. G. Calton. 2,480,711, Aug. 30.
 Continuous polymerization, Method and apparatus for. S. C. Carney. 2,483,877, Oct. 4.
 Continuous pouring furnace. E. L. Wolff. 2,458,236, Jan. 4.
 Continuous press. R. T. Anderson. 2,471,920, May 31.
 Continuous process for forming high dielectric ceramic plates. G. N. Howatt. 2,486,410, Nov. 1.
 Continuous process of producing beta lactones at reduced pressure. H. G. Stone. 2,469,704, May 10.
 Continuous rotary drum filter. T. R. Komline. 2,461,824, Feb. 15.
 Continuous run treatment of sheet materials, Method and apparatus for. E. J. Fisher. 2,481,992, Sept. 13.
 Continuous spinning and stretching of zein filaments. E. T. Chine. 2,475,879, July 12.

- Continuous strip furnace. A. N. Otis. 2,491,828, Dec. 20.
Continuous wire fabric welder and method. W. S. Southwick. 2,487,392, Nov. 8.
Continuously forming fibrous material. D. D. Adams, K. Rollus, and J. D. Risher. 2,486,091, Oct. 25.
Contour forming machine. C. J. Bath. 2,465,705, Mar. 29.
Contour-stitching machines, Automatic. S. Schiller. 2,462,559, Feb. 22.
Contouring machine. W. L. Tancred. 2,491,398, Dec. 13.
Contouring of piezoelectric crystal elements, Effective. W. P. Mason. 2,468,301, Apr. 26.
Contract bridge game device. W. F. Stroh. 2,486,891, Nov. 1.
Contraction joint assembly. A. E. Brickman. 2,462,353, Feb. 22.
Contrast measuring apparatus having relatively rotatable polarizing elements for optical sighting instruments. G. A. Fry. 2,470,156, May 17.
Control. G. B. Long. 2,479,047, Aug. 16.
Control. D. R. Putt. 2,474,861, July 5.
Control actuator and control system. F. G. Clark. 2,476,584, July 19.
Control and air compressor for rotary wing aircraft, Boundary layer. J. S. Pecker. 2,464,651, Mar. 15.
Control and alarm system, Refrigerator. C. W. Kuhn. 2,489,906, Nov. 29.
Control and ignition system for fuel burners. C. K. Strobel. 2,477,216, July 26.
Control and ignition system for fuel burners, Safety. R. C. Main. 2,486,306, Oct. 25.
Control and ignition system for fuel burners, Safety. C. K. Strobel. 2,486,340, Oct. 25.
Control and locking means for two brakes, Independent. R. A. Goeprich. 2,479,830, Aug. 23.
Control and lockout means for telephone stations, Dual. G. G. Bradley and H. F. Mohr. 2,458,557, Jan. 11.
Control and signal device, Altitude responsive. J. D. Sasser. 2,468,945, May 3.
Control and testing system. J. R. Dunbar. 2,484,210, Oct. 11.
Control apparatus. A. E. Baak. 2,476,277, July 19.
Control apparatus. H. F. Barsun. 2,473,845, June 21.
Control apparatus. L. B. Cherry. 2,480,713, Aug. 30.
Control apparatus. R. C. Dehmel. 2,460,877, Feb. 8.
Control apparatus. A. J. N. Duclos and R. Gillis. 2,475,425, July 5.
Control apparatus. M. Gottlieb and F. A. Meyer. 2,472,896, June 14.
Control apparatus. E. E. Hewitt and A. G. Larson. 2,482,274, Sept. 20.
Control apparatus. G. F. Jenkins. 2,487,556, Nov. 8.
Control apparatus. C. S. Kelley. 2,459,883, Jan. 25.
Control apparatus. W. H. Kliever. 2,490,735, Dec. 6.
Control apparatus. C. W. Klug. 2,463,699, Mar. 8.
Control apparatus. R. J. Kutzler. 2,491,380, Dec. 13.
Control apparatus. G. B. Martin. 2,467,090, Apr. 12.
Control apparatus. A. W. Plensler. 2,488,099, Nov. 15.
Control apparatus. E. D. Raney. 2,490,919, Dec. 13.
Control apparatus. W. A. Ray. 2,377,077, Jan. 11.
Control apparatus. H. T. Sparrow. 2,477,668, Aug. 2.
Control apparatus. H. T. Sparrow and A. E. Baak. 2,474,203, June 21.
Control apparatus. R. R. Stevens. 2,468,245, Apr. 26.
Control apparatus. R. R. Stevens. 2,477,836, Aug. 2.
Control apparatus. R. R. Stevens and A. G. Larson. 2,482,300, Sept. 20.
Control apparatus. F. M. Thuney. 2,490,932, Dec. 13.
Control apparatus. R. F. Wild. 2,464,193, Mar. 8.
Control apparatus. R. L. Wilson and E. R. Knauer. 2,460,055, Jan. 25.
Control apparatus applicable to entrainment of fluids, Jet. R. H. Goddard. 2,486,019, Oct. 25.
Control apparatus, Coin-operated typewriter. J. B. Graham. 2,471,617, May 31.
Control apparatus, Condition. G. F. Drake. 2,478,752, Aug. 9.
Control apparatus, Current. K. A. Lang. 2,471,822, May 31.
Control apparatus, Electronic. A. Winther. 2,458,454, Jan. 4.
Control apparatus, Electronic tension. A. Winther. 2,469,706, May 10.
Control apparatus, Elevator. E. O. Kern. 2,458,005, Jan. 4.
Control apparatus, Fire. C. J. Gross. 2,486,526, Nov. 1.
Control apparatus, Fluid. N. A. Christensen. 2,459,148, Jan. 18.
Control apparatus, Fluid flow. D. H. Annin. 2,479,454, Aug. 16.
Control apparatus, Fluid pressure. R. J. Bush. 2,482,244, Sept. 20.
Control apparatus, Fluid responsive. L. Ringer. 2,471,778, May 31.
Control apparatus for aircraft pressure cabins and the like, Pressure. W. M. Widgery and S. T. A. Richards. 2,463,487, Mar. 1.
Control apparatus for cabins of aircraft, Temperature. H. T. Sparrow. 2,474,441, June 28.
Control apparatus for carriage drives for reciprocating carriage slicing machines. W. D. Teague, Jr., and R. H. Ensign. 2,459,200, Jan. 18.
Control apparatus for controlling brake cylinder pressure. E. P. Sexton. 2,490,998, Dec. 13.
Control apparatus for controlling brake cylinder pressure, Fluid pressure. E. P. Sexton. 2,490,999, Dec. 13.
Control apparatus for guns, Fire. M. K. Ingoldby. 2,474,739, June 28.
Control apparatus for induction heating systems. S. L. Burgwin. 2,459,616, Jan. 18.
Control apparatus for internal-combustion engines. L. Lee. 2,478,288, Aug. 9.
Control apparatus for periodically energizing gaseous discharge devices. H. A. Engle. 2,462,371, Feb. 22.
Control apparatus for radio systems and the like, Selective. R. W. May. 2,470,567, May 17.
Control apparatus for reversible internal-combustion engines. R. R. Stevens. 2,482,301, Sept. 20.
Control apparatus for switches and the like. E. F. Kohl. 2,469,337, May 3.
Control apparatus for traffic signaling systems. W. M. Jeffers. 2,459,429, Jan. 18.
Control apparatus for tuners. E. J. Mastney and J. H. Williams. 2,469,170, May 3.
Control apparatus for variable loads, Electric. H. D. Van Sciver, II. 2,472,044, May 31.
Control apparatus, Fuel. L. A. Williams, Jr. 2,483,747, Oct. 4.
Control apparatus, Gunfire. H. F. Vickers. 2,482,699, Sept. 20.
Control apparatus, Gyroscopic. J. P. Brown. 2,459,495, Jan. 18.
Control apparatus in fabric drying machine having means for conveying the fabric, Electric. K. Laurie. 2,466,446, Apr. 5.
Control apparatus, Modulation. E. L. Ginzton. 2,460,498, Feb. 1.
Control apparatus, Motor speed. E. T. Burton. 2,488,373, Nov. 15.
Control apparatus, Multispeed. M. N. Yardeny. 2,475,270, July 5.
Control apparatus, Percentage power. R. S. Davies. 2,472,042, May 31.
Control apparatus, Polarized. A. T. Johnston and A. L. Jerome. 2,461,060, Feb. 8.
Control apparatus, Pressure. A. E. Baak. 2,473,776, June 21.
Control apparatus, Pumping limit. H. W. Gilfillan. 2,463,865, Mar. 8.
Control apparatus, Rate of movement. L. K. Hyde. 2,474,424, June 28.
Control apparatus, Selective. J. H. Cook and D. H. Schell. 2,466,080, Apr. 5.
Control apparatus, Sequencing. A. V. Sampsel. 2,466,914, Apr. 12.
Control apparatus, Speed. M. N. Yardeny. 2,475,272, July 5.
Control apparatus, Time-delay. C. Lindahl. 2,489,381, Nov. 29.
Control apparatus with automatic reset, Condition. E. D. Lilja. 2,466,716, Apr. 12.
Control apparatus with flexible control elements. M. N. Yardeny. 2,462,033, Feb. 15.
Control appliance for electric heaters. C. C. Doyle. 2,479,913, Aug. 23.
Control arrangement for absorption refrigeration systems. A. A. Berestneff. 2,461,513, Feb. 15.
Control arrangement for absorption refrigeration systems. A. A. Berestneff. 2,470,756, May 24.
Control arrangement for automobiles. L. E. W. Montrose-Oster. 2,491,012, Dec. 13.
Control arrangement for wave-signal receivers. G. I. Thomas. 2,476,639, July 19.
Control arrangement, Voltage. C. N. Smyth and A. S. Grant. 2,459,846, Jan. 25.
Control band for gunnery training apparatus. F. Waller, W. R. Dresser, R. R. Swain, and R. W. Wengel. 2,470,592, May 17.
Control booster for aircraft. W. D. Tipton. 2,484,359, Oct. 11.
Control circuit. J. R. Boykin. 2,476,804, July 19.
Control circuit. T. K. Collins, Jr. 2,459,624, Jan. 18.
Control circuit. S. C. Coroniti. 2,492,685, Dec. 27.
Control circuit. H. R. Shaw. 2,460,540, Feb. 1.
Control circuit. J. E. Young. 2,479,548, Aug. 16.
Control circuit for antenna scan systems. B. E. Watt. 2,482,143, Sept. 20.
Control circuit for frequency modulation television systems, Automatic frequency. W. E. Bradley. 2,481,902, Sept. 13.
Control circuit for fuel burner systems. R. Pratt. 2,486,612, Nov. 1.
Control circuit for gas tubes, Grid. J. H. Burnett. 2,489,858, Nov. 29.
Control circuit for hoisting devices. R. F. Symonds. 2,489,832, Nov. 29.
Control circuit for seismic amplifiers, Feedback automatic volume. C. B. Scott. 2,475,258, July 5.
Control circuit for slow-releasing relays. T. L. Dimond. 2,489,017, Nov. 22.
Control circuit for switching telegraph facilities. G. R. Pigman. 2,460,767, Feb. 1.
Control circuits. J. E. Gannon. 2,467,084, Apr. 12.
Control circuits. R. C. Mason. 2,459,667, Jan. 18.
Control circuits. J. E. Young and W. E. McCown. 2,462,799, Feb. 22.
Control circuits, Automatic frequency. M. G. Crosby. 2,473,790, June 21.

- Control circuits, Automatic frequency. G. Guanella. 2,474,354, June 28.
- Control circuits for alternating current transmission networks. E. O. Keizer. 2,488,410, Nov. 15.
- Control circuits, Relay. A. Hufnagel. 2,465,805, Mar. 29.
- Control desk having channel-shaped frame members. C. B. Myhre and Z. J. Dragar. 2,476,896, July 19.
- Control device. C. E. Bazley. 2,460,116, Jan. 25.
- Control device. G. A. Boeck and E. J. Howard. 2,479,465, Aug. 16.
- Control device. W. D. Cockrell. 2,469,860, May 10.
- Control device. A. R. Davidson. 2,490,679, Dec. 6.
- Control device. M. Garbuny. 2,466,843, Apr. 12.
- Control device. E. C. Gryce. 2,487,438, Nov. 8.
- Control device. C. I. Hall. 2,458,939, Jan. 11.
- Control device. F. O. Johnson. 2,482,487, Sept. 20.
- Control device. I. R. Latta. 2,459,564, Jan. 18.
- Control device. W. R. Polye and J. R. Peek. 2,463,805, Mar. 8.
- Control device. R. R. Stevens. 2,464,998, Mar. 22.
- Control device. W. A. V. Thomsen. 2,466,750, Apr. 12.
- Control device. V. Weber. 2,466,522, Apr. 5.
- Control device and system, Fluid. T. B. Chace. 2,466,377, Apr. 5.
- Control device, Centrifugally operated. J. D. Jordan. 2,458,474, Jan. 4.
- Control device, Delayed-action. H. L. Porch. 2,467,989, Apr. 19.
- Control device, Electrical. J. C. Barnes and I. B. Penniman. 2,492,549, Dec. 27.
- Control device, Electrical. R. V. O'Reilly. 2,464,886, Mar. 22.
- Control device, Electrical. J. Youhouse. 2,477,845, Aug. 2.
- Control device, Electrical gyroscopically actuated. W. Leathers and G. S. Di Monaco. 2,464,592, Mar. 15.
- Control device, Engine. P. L. Schneider. 2,482,559, Sept. 20.
- Control device, Flow. R. A. Rosenblum. 2,489,932, Nov. 29.
- Control device, Fluid flow. R. R. Fike and N. W. Oakes. 2,492,140, Dec. 27.
- Control device for accounting machines. I. Ghertman. 2,490,348, Dec. 6.
- Control device for automatic and semiautomatic firearms. W. C. Roemer. 2,471,779, May 31.
- Control device for aviation ground trainers, Automatic instrument landing signal. C. W. Muller. 2,476,316, July 19.
- Control device for camera telemeters, Safety. G. Baer. 2,467,456, Apr. 19.
- Control device for coin-operated phonograph apparatus, Automatic time. L. A. Durant. 2,472,287, June 7.
- Control device for continuous spinning and twisting frames. M. H. Fischer. 2,489,021, Nov. 22.
- Control device for electric motors. J. L. Boon. 2,466,364, Apr. 5.
- Control device for interoffice communication systems. T. E. Essig. 2,484,082, Oct. 11.
- Control device for multiple linearly movable members. F. J. Grose. 2,461,378, Feb. 8.
- Control device for photographic enlargers, Contrast. A. Simmon. 2,480,425, Aug. 30.
- Control device for projection printers. E. C. Fritts. 2,478,384, Aug. 9.
- Control device for signal lights on automotive vehicles, Electric. W. L. Byram. 2,489,617, Nov. 29.
- Control device for starting windings of split-phase induction motors. H. W. Ecker. 2,477,120, July 26.
- Control device for steam locomotives, Throttle. C. Stern. 2,472,176, June 7.
- Control device for thermostatic valves, Auxiliary. L. M. Payne. 2,469,930, May 10.
- Control device for tool carriers of reciprocating machines. C. W. Berthiez. 2,475,577, July 5.
- Control device for turntables. J. J. Shively. 2,479,975, Aug. 23.
- Control device for vacuum cylinders. H. E. Ricketson. 2,457,834, Jan. 4.
- Control device for valves. J. E. Blanding. 2,467,461, Apr. 19.
- Control device, Frequency. W. E. Kuenstler. 2,464,045, Mar. 8.
- Control device, Hydraulic. P. Audemar and C. Duchaussoy. 2,484,603, Oct. 11.
- Control device, Implement. E. T. Johnson. 2,481,017, Sept. 6.
- Control device, Portable traffic. R. E. Wilson, J. P. Kistler, and A. H. Tracy. 2,486,655, Nov. 1.
- Control device, Pressure. W. W. Paget. 2,484,846, Oct. 18.
- Control device, Pressure. W. W. Paget. 2,484,852, Oct. 18.
- Control device, Pump. N. H. Callahan. 2,483,084, Sept. 27.
- Control device, Reservation. J. W. Burgess, Jr. 2,490,411, Dec. 6.
- Control device responsive to rate of change of a condition, Electronic. J. L. Lindesmith. 2,485,005, Oct. 18.
- Control device, Rheostat. A. S. Osborn. 2,481,776, Sept. 13.
- Control device, Safety. M. Dach. 2,474,232, June 28.
- Control device, Selecting. E. A. Derungs. 2,457,876, Jan. 4.
- Control device, Snap action. V. Weber and W. S. Kunzler. 2,476,230, July 12.
- Control device, Stoker safety. J. Palmer. 2,489,498, Nov. 29.
- Control device, Temperature. D. F. Colbath. 2,476,702, July 19.
- Control device, Thermoelectric. W. A. Ray. 2,470,864, May 24.
- Control device, Variable tone. A. C. Flitschen. 2,483,041, Sept. 27.
- Control device with adjustable stop. W. H. Du Shane. 2,477,589, Aug. 2.
- Control for air compressors. A. P. Gibbo. 2,475,783, July 12.
- Control for aircraft, Automatic. R. C. Wing. 2,492,252, Dec. 27.
- Control for aircraft, Propulsion and boundary layer. E. A. Stalker. Re. 23,105, Apr. 26.
- Control for alarm clocks. E. B. Moss. 2,488,637, Nov. 22.
- Control for automatic coffee urns. H. E. Kaminky. 2,488,817, Nov. 22.
- Control for axminster loom tube frame conveyor systems. R. F. Dion. 2,469,717, May 10.
- Control for bus heating and cooling systems, Electric. T. J. Lebane and E. H. Burgess. 2,460,135, Jan. 25.
- Control for cigar machine short filler tobacco feeds. S. Clausen. 2,482,465, Sept. 20.
- Control for clamshell buckets. B. L. Lonngren. 2,464,245, Mar. 15.
- Control for color television. C. E. Huffman. 2,490,812, Dec. 13.
- Control for cutting apparatus. C. F. Sheeley. 2,467,161, Apr. 12.
- Control for drag reduction, Boundary layer. E. A. Stalker. 2,488,991, Nov. 22.
- Control for electric blankets or the like. G. C. Crowley and P. Klein. 2,479,319, Aug. 16.
- Control for electric circuits. B. F. Bracy and E. A. Daley. 2,490,251, Dec. 6.
- Control for electric motors. C. J. Manney. 2,467,397, Apr. 19.
- Control for electric motors. M. C. Richardson. 2,474,595, June 28.
- Control for electric motors. E. W. Seeger. 2,477,147, July 26.
- Control for electric motors, Automatic reversing. V. Weber. 2,459,350, Jan. 18.
- Control for electric motors, Automatic reversing. V. Weber. 2,459,906, Jan. 25.
- Control for electric motors, Sequential. A. McGillivray. 2,482,496, Sept. 20.
- Control for electrically heated water tanks. E. G. Pan-kow. 2,480,302, Aug. 30.
- Control for engine cooling systems, Temperature. T. B. Dilworth. 2,476,406, July 19.
- Control for field windings of dynamoelectric machinery, Switching. J. W. Yetter and F. G. Langer, Jr. 2,472,642, June 7.
- Control for fluid-propelled airships. G. Johnston. 2,465,457, Mar. 29.
- Control for free-piston units. K. C. Cooper. 2,458,147, Jan. 4.
- Control for free-piston units. K. C. Cooper. 2,481,908, Sept. 13.
- Control for free-piston units, Overstroke. D. E. Meitzler. 2,461,224, Feb. 8.
- Control for free-piston units, Spill port. K. C. Cooper. 2,469,714, May 10.
- Control for free-piston units, Starting. D. E. Meitzler. 2,469,739, May 10.
- Control for fuel selector valves, Hydraulic. H. E. Hull. 2,481,426, Sept. 6.
- Control for fuel supply systems. J. F. Armstrong and J. T. W. Moseley. 2,469,942, May 10.
- Control for gaseous burners, Safety thermostatic. M. Rowan. 2,470,268, May 17.
- Control for gaseous fuel burners, Safety. P. L. Betz. 2,461,714, Feb. 15.
- Control for hot-water systems. A. J. Thompson. 2,487,615, Nov. 8.
- Control for hydraulic brakes, Individual brake. G. E. Bohr. 2,466,837, Apr. 12.
- Control for hydraulic couplings. J. D. McCracken. 2,459,734, Jan. 18.
- Control for industrial trucks or the like, Speed. C. E. Cochran. 2,472,646, June 7.
- Control for internal-combustion engines, Automatic speed. R. G. Reynolds. 2,458,424, Jan. 4.
- Control for internal-combustion engines, Fuel temperature. M. Marion. 2,473,808, June 21.
- Control for internal-combustion engines, Speed. M. Mal-jory. 2,473,761-2, June 21.
- Control for loom electronic systems. V. F. Sepavich and J. C. Manoog. 2,466,332, Apr. 5.
- Control for oil burners. J. L. Breese. 2,476,807, July 19.
- Control for oil burners, Air supply. J. A. Logan. 2,458,392, Jan. 4.
- Control for oil burners, Automatic air shutoff and draft. K. M. Hammell. 2,459,815, Jan. 25.
- Control for oil burners, Draft. A. T. Ledoux. 2,473,804, June 21.

- Control for oil burners, Safety. W. H. De Lancey. 2,465,675, Mar. 29.
- Control for oven pilots and main burners, Safety. J. A. Cerny and F. R. Higley. 2,487,963, Nov. 15.
- Control for phonographs, Start and stop. C. G. Johnson. 2,477,130, July 26.
- Control for power brakes, Trailer hand. F. R. Allin and F. D. Wyss. 2,461,712, Feb. 15.
- Control for presses, Safety. N. S. McEwen. 2,461,753, Feb. 15.
- Control for pulse-echo systems, Automatic regeneration. A. L. Free. 2,476,409, July 19.
- Control for pulse transmission systems, Automatic frequency. G. W. Fyler. 2,469,875, May 10.
- Control for pumps, Hydrostatic. L. F. Bernhardt. 2,488,506, Nov. 15.
- Control for railway signal lamps, Light intensity. R. R. Kemmerer. 2,478,403, Aug. 9.
- Control for ranges. J. F. Dunn. 2,472,795, June 14.
- Control for refrigeration apparatus. E. F. Miller. 2,467,398, Apr. 19.
- Control for refrigerators, Automatic. S. G. House. 2,469,648, May 10.
- Control for reversible fluid couplings, Fluid circulation. J. E. Becker. 2,492,456, Dec. 27.
- Control for seat structure. N. Wyeth. 2,466,345, Apr. 5.
- Control for spill ports for free-piston units. D. M. Poole. 2,458,198, Jan. 4.
- Control for spill ports in free-piston units. R. S. Buck and W. A. Ledwith. 2,469,712, May 10.
- Control for storage tanks, Liquid. J. J. and H. D. McGillis. 2,464,456, Mar. 15.
- Control for supercharged internal-combustion engines. C. H. Ridgeley, H. H. Andersen, and F. W. Truesdell. 2,476,063, July 12.
- Control for telephone coin collectors, Toll operator. G. A. Anderson. 2,471,087, May 24.
- Control for temperature changing mechanisms. J. O. Yeida. 2,492,675, Dec. 27.
- Control for track switches, Safety. H. A. Brown. 2,472,063, June 7.
- Control for typewriters and the like, Carriage. F. Becker. 2,480,213, Aug. 30.
- Control for vapor discharge tubes and electric arcs. E. H. Haug. 2,474,525, June 28.
- Control for variable displacement pumps. W. M. Hoddnott. 2,470,617, May 17.
- Control for water heaters. R. H. Munson. 2,467,944, Apr. 19.
- Control for welding machines, Electronic. J. L. Solomon. 2,469,934, May 10.
- Control gate for vending machines, Merchandise. F. N. James. 2,480,932, Sept. 6.
- Control head, Push-button. R. Dusek. 2,491,168, Dec. 13.
- Control in photographic enlargers, Contrast. A. Simmon. 2,480,423, Aug. 30.
- Control instrument. E. C. Burdick. 2,481,820, Sept. 13.
- Control instrumentality. B. Brassell. 2,468,652, Apr. 26.
- Control lever, Adjustable. W. H. D. Brouse. 2,484,551, Oct. 11.
- Control means. J. M. Stein. 2,462,232, Feb. 22.
- Control means, Air flow. F. Honerkamp and F. J. Kurth. 2,466,851, Apr. 12.
- Control means, Capillarity. D. T. Nave and R. L. Sullivan. 2,459,042, Jan. 11.
- Control means for aircraft. E. D. Colburn. 2,458,146, Jan. 4.
- Control means for airplane landing gear for landing crosswind. C. R. Jamison. 2,474,630, June 28.
- Control means for centrifugals. C. A. Olcott. 2,461,764, Feb. 15.
- Control means for duplicating machines, Moisture. F. R. Ford. 2,491,368, Dec. 13.
- Control means for fluid pressure operated devices. D. G. Griswold. 2,492,859, Dec. 27.
- Control means for gramophones. E. W. Mortimer. 2,458,623, Jan. 11.
- Control means for internal-combustion engines, Hydraulic. J. E. Witzky, W. S. Lang, and R. J. Jakob. 2,488,361, Nov. 15.
- Control means for internal-combustion-operated free-piston machines. E. S. L. Beale. 2,472,934, June 14.
- Control means for metal-working machines, Automatic work. N. B. Smith. 2,490,841, Dec. 13.
- Control means for motor generators, Starting. H. G. Haas. 2,492,527, Dec. 27.
- Control means for refrigerating systems, Automatic. R. L. Benson and H. D. Silvers. 2,488,161, Nov. 15.
- Control means for running web, Tension. J. S. Scheuermann and T. N. Carter. 2,462,558, Feb. 22.
- Control means for towel cabinets. L. L. Price. 2,470,186, May 17.
- Control means with gas-discharge device, Gas-sensing. W. C. Jaeger. 2,465,377, Mar. 29.
- Control mechanism. A. K. Gaylord. 2,473,094, June 14.
- Control mechanism. K. J. Helsing. 2,474,843, July 5.
- Control mechanism and correlated indicator guides for imprinting machines, Marginal and column stop. C. K. Rainey. 2,492,887, Dec. 27.
- Control mechanism and steering gear control therefor, Brake. J. Sneed. 2,474,961, July 5.
- Control mechanism, Cable. R. M. Smith. 2,486,072, Oct. 25.
- Control mechanism, Electric switch. W. A. Wolf. 2,466,292, Apr. 5.
- Control mechanism, Fire. A. F. Gaidos. 2,482,758, Sept. 27.
- Control mechanism, Fire escape. J. J. Jazwieck. 2,473,205, June 14.
- Control mechanism, Fluid actuated. R. K. Jeffrey. 2,483,343, Sept. 27.
- Control mechanism, Fluid pressure. W. A. Eaton. 2,472,653, June 7.
- Control mechanism, Fluid pressure. R. S. Sanford. 2,475,723, July 12.
- Control mechanism for automatic firearms, Firing rate. A. Gazda. 2,470,158, May 17.
- Control mechanism for automatic transmissions, Electric. R. Brunken and R. Haag. 2,484,011, Oct. 11.
- Control mechanism for automatic washing machines, Water. W. F. Oliver. 2,477,415, July 26.
- Control mechanism for centrifugal machines, Clutch and brake. J. Hertrich. 2,466,989, Apr. 12.
- Control mechanism for clothes-drying apparatus. H. P. Allen. 2,463,934, Mar. 8.
- Control mechanism for container handling machines. A. C. Everett. 2,491,651, Dec. 20.
- Control mechanism for conveyer apparatus. C. W. Apgar and A. L. Rosenfeld. 2,485,952, Oct. 25.
- Control mechanism for cooling systems, Flow. R. H. Goddard. 2,482,261, Sept. 20.
- Control mechanism for decorticating machines. J. V. Johansen and C. C. Westergaard. 2,463,278, Mar. 1.
- Control mechanism for dual camera shutters. W. H. Robertson. 2,463,206, Mar. 1.
- Control mechanism for electric motors, Speed. W. L. Hansen and I. N. Hurst. 2,487,543, Nov. 8.
- Control mechanism for electrically driven tools. T. S. Briskin and J. C. Zivny. 2,486,254, Oct. 25.
- Control mechanism for helicopters, Pitch. A. A. Green. 2,491,260, Dec. 13.
- Control mechanism for helicopters with coaxial rotors. H. T. Pentecost. 2,486,059, Oct. 25.
- Control mechanism for honing machines. A. M. Johnson. 2,479,622, Aug. 23.
- Control mechanism for laundry marking machines. W. J. Keuper. 2,482,420, Sept. 20.
- Control mechanism for machine tools, Headstock. V. v. K. Sundt. 2,465,942, Mar. 29.
- Control mechanism for marking machines. T. A. Carothers and C. H. Burkhard. 2,467,188, Apr. 12.
- Control mechanism for motor vehicles, Emergency brake. K. and W. P. Henriksen. 2,465,804, Mar. 29.
- Control mechanism for oil burners, Air. J. A. Logan. 2,464,698, Mar. 15.
- Control mechanism for positioning a mast in alternate, predetermined positions. A. C. Middleton. 2,474,486, June 28.
- Control mechanism for sewing machines and the like. P. B. Clark. 2,461,520, Feb. 15.
- Control mechanism for stitching machines and the like, Blank displacing and elevating. W. R. Pabich. 2,467,493, Apr. 19.
- Control mechanism for supercharged aircraft engines. F. C. Mock and J. A. Bolt. 2,480,758, Aug. 30.
- Control mechanism for the opening and closing of containers. H. Chabbert. 2,463,086, Mar. 1.
- Control mechanism for tire molds. E. A. Glynn. 2,489,486, Nov. 29.
- Control mechanism for tractors, Automatic brake setting and clutch release. M. J. Smies. 2,474,598, June 28.
- Control mechanism, Hoist. H. H. Logan. 2,489,913, Nov. 29.
- Control mechanism, Hydraulic. G. G. Davis. 2,475,313, July 5.
- Control mechanism, Hydraulic valve. C. E. Adams. 2,491,355, Dec. 13.
- Control mechanism, Ironing machine. W. H. Bradley. 2,471,717, May 31.
- Control mechanism, Magnetic. B. L. Binford. 2,467,073, Apr. 12.
- Control mechanism, Overload. W. B. Dulaney. 2,484,616, Oct. 11.
- Control mechanism, Power plant. A. F. Schwendner. 2,474,697, June 28.
- Control mechanism, Punching and sorting. O. E. Kase. 2,476,444, July 19.
- Control mechanism, Sequence. E. L. Hall. 2,460,693, Feb. 1.
- Control mechanism, Tension. G. M. Bonebrake. 2,475,691, July 12.
- Control mechanism, Toaster. L. J. Koci. 2,459,170, Jan. 18.
- Control mechanism, Typewriter platen. R. E. Gearhart. 2,492,793, Dec. 27.
- Control mechanism, Variable speed. A. V. Marsow. 2,480,492, Aug. 30.
- Control mechanism, Vehicle drive. S. G. Guins. 2,477,452, July 26.
- Control of alternating current motors. J. F. H. Douglas, E. Pell, and E. W. Seeger. 2,464,122, Mar. 8.
- Control of arcing electrodes. W. M. Brubaker. 2,476,808, July 19.
- Control of contrast in diazotype materials. C. Botkin and S. C. Shifkin. 2,465,424, Mar. 29.
- Control of dynamoelectric machines, Speed. E. A. Binney. 2,474,647, June 28.

- Control of electric arc furnaces. L. Grangette. 2,480,463, Aug. 30.
- Control of electric discharge lamps. G. T. K. Lark, R. Gill, and R. B. Davie. 2,458,277, Jan. 4.
- Control of electrical contacting elements. H. M. Knapp. 2,472,709, June 7.
- Control of electrolytic processes. G. E. Stoltz, J. R. Erbe, and R. A. Geiselman. 2,471,912, May 31.
- Control of energy supplied to translating devices. M. Audier and W. H. Elliot. 2,458,131, Jan. 4.
- Control of feed pressure for internal-combustion engines. R. F. Ensign. 2,475,086, July 5.
- Control of fibers. Electrostatic. E. S. Kennedy and F. C. Wedler. 2,468,827, May 3.
- Control of flying-wing aircraft. J. Lloyd. 2,474,585, June 28.
- Control of fuel-injection engines. A. F. Sanders. 2,474,121, June 21.
- Control of ion exchange systems. W. R. Swenson. 2,458,115, Jan. 4.
- Control of polyphase motors, Combined primary and secondary. E. W. Seeger. 2,460,037, Jan. 25.
- Control of shunt field generators. R. O. Perrine. 2,487,172, Nov. 8.
- Control of textile fibers during drafting operations. W. F. Bird. 2,471,058, May 24.
- Control of textiles, Shrinkage. J. E. Lynn and L. A. Fluck, Jr. 2,466,457, Apr. 5.
- Control of variable pitch airscrews for aircraft. J. Martin. 2,469,660, May 10.
- Control panel, Hydraulic. D. B. Gardiner, and B. L. Readman. 2,491,371, Dec. 13.
- Control plate for filter cartridges. E. G. Gunn. 2,462,488, Feb. 22.
- Control rheostat, Automatic. G. L. Borell and D. G. Taylor. 2,476,276, July 19.
- Control station for servo-motors, Multivalve. R. R. Stevens. 2,473,695, June 21.
- Control surface balancing means. C. R. Lemonier and R. E. Waldron. 2,478,830, Aug. 9.
- Control surface for aircraft, including full span flaps and spoilers. L. M. Hilton and H. E. Chaplin. 2,479,619, Aug. 23.
- Control surface for high-speed aircraft, Auxiliary. S. R. Bretnall. 2,460,804, Feb. 8.
- Control surfaces, Aircraft. W. A. E. Mitchell. 2,480,040, Aug. 23.
- Control system. E. G. Bailey and P. S. Dickey. Re. 23,087, Mar. 8.
- Control system. J. L. Barker. 2,483,394, Oct. 4.
- Control system. E. A. Barnes. 2,486,097, Oct. 25.
- Control system. J. H. Booth. 2,468,917, May 3.
- Control system. W. D. Cockrell. 2,468,545, Apr. 26.
- Control system. H. Conviser. 2,487,697, Nov. 8.
- Control system. W. G. Cook. 2,476,839, July 19.
- Control system. W. G. Cook. 2,479,317, Aug. 16.
- Control system. N. D. Cooper. 2,482,101, Sept. 20.
- Control system. P. S. Dickey. 2,471,728, May 31.
- Control system. P. S. Dickey and A. J. Hornfeck. 2,491,606, Dec. 20.
- Control system. E. I. Eigenberger. 2,491,961, Dec. 20.
- Control system. E. B. Fitzgerald. 2,484,213, Oct. 11.
- Control system. W. H. Gille. 2,491,372, Dec. 13.
- Control system. G. H. Gordon. 2,472,157, June 7.
- Control system. W. E. Happel. 2,488,401-3, Nov. 15.
- Control system. E. L. Harder and H. M. Rustebakke. 2,482,482, Sept. 20.
- Control system. C. G. Hawkins. 2,467,381, Apr. 19.
- Control system. W. B. Heinz, A. E. Kittredge, and J. G. Williams. 2,462,097, Feb. 22.
- Control system. C. Johnson. 2,475,326, July 5.
- Control system. G. E. King. 2,482,492, Sept. 20.
- Control system. G. E. King, N. D. Cooper, and G. A. Caldwell. 2,488,412, Nov. 15.
- Control system. G. E. King and L. W. Herchenroeder. 2,491,983, Dec. 20.
- Control system. R. J. Kochenburger. 2,478,279, Aug. 9.
- Control system. J. S. Maidlow, Jr., and J. M. Reynolds. 2,476,313, July 19.
- Control system. B. E. McArthur. 2,467,901, Apr. 19.
- Control system. T. B. Montgomery and H. E. Reichert. 2,467,768, Apr. 19.
- Control system. E. P. Newman. 2,471,343, May 24.
- Control system. T. A. Rich. 2,467,856, Apr. 19.
- Control system. J. R. Schoenbaum. 2,485,245, Oct. 18.
- Control system. F. B. Schramm. 2,480,883, Sept. 6.
- Control system. R. M. Strong. 2,467,785, Apr. 19.
- Control system. A. D. Trenor. 2,475,863, July 12.
- Control system. A. Wellman. 2,475,343, July 5.
- Control system. T. L. Weybrew and R. W. Strong. 2,492,022, Dec. 20.
- Control system. J. F. Young. 2,484,262, Oct. 11.
- Control system. H. Ziebolz. 2,490,188, Dec. 6.
- Control system, Air circulation. W. A. Ray. 2,474,369, June 28.
- Control system, Aircraft. T. H. Barth. 2,485,953, Oct. 25.
- Control system, Aircraft flight. B. Walls. 2,460,374, Feb. 1.
- Control system, Aircraft pressure. H. T. Sparrow. 2,465,759, Mar. 29.
- Control system, Airplane approach. N. B. Coley. 2,475,221, July 5.
- Control system, Airway traffic. O. S. Field and S. N. Wight. 2,458,361, Jan. 4.
- Control system, Airway traffic. O. S. Field, S. N. Wight and R. W. Hewes. 2,484,463, Oct. 11.
- Control system, Airway traffic. N. D. Preston and F. B. Hitchcock. 2,484,462, Oct. 11.
- Control system, Airway traffic. S. N. Wight and O. S. Field. 2,463,095, Mar. 1.
- Control system, Airways traffic. S. N. Wight and O. S. Field. 2,459,399, Jan. 18.
- Control system, Alternator. O. Krauer and A. W. Forsberg. 2,472,538, June 7.
- Control system and elastic fluid-mass flow measuring system useful therein, Fuel-air ratio. D. W. Moore, Jr. 2,488,221, Nov. 15.
- Control system and landing gear for airborne components. H. S. Bean and F. C. Morey. 2,489,257, Nov. 29.
- Control system and mechanism, Fluid. T. B. Chace. 2,458,978, Jan. 11.
- Control system and operation, Electrical. J. W. Peeples. 2,462,546, Feb. 22.
- Control system, Antenna orientation. W. H. Newbold. 2,481,331, Sept. 6.
- Control system, Antenna rotation. C. P. Edwards. 2,487,429, Nov. 8.
- Control system, Antihunt servomotor. A. V. Bedford. 2,462,456, Feb. 22.
- Control system, Antihunting servo. L. B. M. Buchanan. 2,463,498, Mar. 1.
- Control system, Automatic. A. HacsKaylo. 2,486,402, Nov. 1.
- Control system, Automatic. R. Reid. 2,473,905, June 21.
- Control system, Automatic fluid pressure. H. B. Holt-house, Sr., and H. B. Holthouse, Jr. 2,475,503, July 5.
- Control system, Automatic frequency. G. L. Fredendall. 2,455,156, Jan. 4.
- Control system, Automatic frequency. G. L. Fredendall and A. C. Schroeder. 2,463,685, Mar. 8.
- Control system, Automatic frequency. C. Travis. 2,467,345, Apr. 12.
- Control system, Automatic gain. H. Goldberg. 2,466,229, Apr. 5.
- Control system, Automatic resonating. V. H. Vogel. 2,489,064, Nov. 22.
- Control system, Automatic temperature. T. J. Lehane. 2,489,652, Nov. 29.
- Control system, Automatic throttle. E. L. Krieg. 2,467,485, Apr. 19.
- Control system, Automatic tuning. E. L. Ginzton, W. W. Hansen, and R. H. Varian. 2,462,857, Mar. 1.
- Control system, Cabin pressure. J. M. Kemper. 2,463,489-90, Mar. 1.
- Control system, Carburetor deicing. T. E. Larkin. 2,464,047, Mar. 8.
- Control system, Cathode-temperature. E. G. Hills. 2,468,876, Mar. 8.
- Control system, Centrifugal. J. Hertrich. 2,466,988, Apr. 12.
- Control system, Circuit breaker. W. R. Taliaferro. 2,479,430, Aug. 16.
- Control system, Comparison. R. W. Engstrom. 2,459,632, Jan. 18.
- Control system, Compressor. R. E. Lamberton. 2,476,048, July 12.
- Control system, Condition. B. O. Christenson. 2,469,496, May 10.
- Control system, Connector. A. E. Joel, Jr. 2,491,377, Dec. 13.
- Control system, Dynamic braking. B. J. Krings. 2,470,624, May 17.
- Control system, Electric. C. J. Collom. 2,480,000, Aug. 23.
- Control system, Electric motor. R. D. Gambrill. 2,479,920, Aug. 23.
- Control system, Electric motor follow-up. W. L. Dunn. 2,458,983, Jan. 11.
- Control system, Electric remote selective. L. E. W. Montrose-Oster. 2,471,075, May 24.
- Control system, Electric servomotor. H. B. Fuge. 2,464,745, Mar. 15.
- Control system, Electrical. K. E. Barwick. 2,482,892, Sept. 27.
- Control system, Electrical. E. M. Callender. 2,472,043, May 31.
- Control system, Electrical. O. R. Carpenter and F. W. Armstrong, Jr. 2,458,503, Jan. 11.
- Control system, Electrical. K. J. Stiefel. 2,473,617, June 21.
- Control system, Electrical. J. Stivin. 2,491,340, Dec. 13.
- Control system, Electrical. G. E. Undy. 2,470,119, May 17.
- Control system, Electrical. G. E. Undy. 2,484,767, Oct. 11.
- Control system, Electrical speed. J. R. Schoenbaum. 2,472,396, June 7.
- Control system, Electrical welding. C. F. Leathers. 2,464,935, Mar. 22.
- Control system, Electron beam deflection. C. E. Torsch. 2,470,197, May 17.
- Control system, Electronic. E. F. Nowak. 2,492,812, Dec. 27.
- Control system, Electroplating. M. A. Edwards and D. E. Garr. 2,463,254, Mar. 1.
- Control system, Flow. G. E. Moody. 2,478,702, Aug. 9.
- Control system, Fluid pressure. W. A. Eaton. 2,464,636, Mar. 15.

- Control system, Fluid pressure. W. A. Eaton. 2,487,116, Nov. 8.
- Control system, Fluid pressure. A. H. Rodeck and A. G. Massey. 2,463,495, Mar. 1.
- Control system, Follow-up. E. F. W. Alexanderson, M. A. Edwards, and G. A. Hoyt. 2,473,235, June 14.
- Control system for aircraft gun mounts, Elevational. M. F. Ketay. 2,463,182, Mar. 1.
- Control system for airplanes, Automatic. P. Porton. 2,463,905, Mar. 8.
- Control system for alternating current commutator motors. B. Schwarz. 2,481,786, Sept. 13.
- Control system for alternating-current multispeed motors. W. Schaeichlin and A. J. Winchester, Jr. 2,488,438, Nov. 15.
- Control system for alternating currents, Electric winch. K. Mahnke. 2,474,267, June 28.
- Control system for an induction motor and braking generator combination. J. D. Leitch. 2,488,210, Nov. 15.
- Control system for burners, Safety. E. P. Newman. 2,483,298, Sept. 27.
- Control system for cathode-ray oscillographs, Delayed. J. J. Borek and A. M. Zarem. 2,477,848, Aug. 2.
- Control system for cathode-ray tubes, Beam-velocity. R. G. Clapp. 2,476,698, July 19.
- Control system for cathode-ray tubes, Voltage. A. W. Comins. 2,473,330, June 14.
- Control system for circuit breakers, Reclosing. C. R. Vrooman. 2,482,524, Sept. 20.
- Control system for circular looms, Electric. V. M. J. Ancet. 2,465,829, Mar. 29.
- Control system for core type reel drives, Motor. W. R. Harris. 2,484,825, Oct. 18.
- Control system for direct-current motors, Electronic. J. G. Haneiko. 2,488,536, Nov. 22.
- Control system for dirigible craft, Automatic. A. P. Glennly. 2,488,286, Nov. 15.
- Control system for drives, Preset speed. W. R. Harris. 2,488,404, Nov. 15.
- Control system for dynamoelectric machines, Automatic. W. F. Fell and E. S. Smith. 2,474,732, June 28.
- Control system for electric bonding machines, Oscillator. H. B. Fuge. 2,487,432, Nov. 8.
- Control system for electric circuits, Automatic. N. Márquez. 2,458,954, Jan. 11.
- Control system for electric locomotives. W. Giger. 2,467,026, Apr. 12.
- Control system for electric signs. T. R. Welch. 2,481,269, Sept. 6.
- Control system for electric-steam generators. C. F. Birchler and H. E. Weaver. 2,485,999, Oct. 25.
- Control system for electrolytic processes. G. E. Stoltz and J. R. Erbe. 2,473,918, June 21.
- Control system for elevators. J. H. Borden. 2,488,847, Nov. 22.
- Control system for fluid motors. A. M. Olson. 2,474,187, June 21.
- Control system for fluid pressure servomotors. J. H. Rouse. 2,464,945, Mar. 22.
- Control system for fuel burners, Ignition and safety. C. E. Strobel. 2,478,511, Aug. 9.
- Control system for fuel burners, Safety. C. V. Hildebrecht. 2,491,108, Dec. 13.
- Control system for gas burners, Thermostatic safety. W. A. Ray. 2,479,779, Aug. 23.
- Control system for gas supply apparatus. R. M. Thayer and D. J. Taylor. 2,464,835, Mar. 22.
- Control system for headlights, Motor vehicle photoelectric. N. V. Pillus. 2,476,382, July 19.
- Control system for hoists powered by polyphase induction motor and coupled to a braking generator. H. J. Rathbun. 2,488,238, Nov. 15.
- Control system for hydraulic dredges. P. J. Cushing and P. M. Enright. 2,461,311, Feb. 8.
- Control system for hydraulic machinery. L. A. Camerota. 2,473,676, June 21.
- Control system for hydraulic pumps supplying hydraulic fluid to double-acting rams of hydraulic presses. H. F. MacMillin. 2,470,357, May 17.
- Control system for mailboxes, Signaling and remote. A. Scalla. 2,465,935, Mar. 29.
- Control system for motors, Speed. E. B. Ankenman and C. E. Center. 2,484,006, Oct. 11.
- Control system for multispeed alternating-current motors. W. Schaeichlin and A. J. Winchester, Jr. 2,459,589, Jan. 18.
- Control system for operating trolley frogs. C. C. Whitaker. 2,492,023, Dec. 20.
- Control system for pasteurizers, Temperature. J. I. Hall. 2,465,532, Mar. 29.
- Control system for pilot and main burners, Sequentially operated igniter. J. A. Wasser. 2,479,797, Aug. 23.
- Control system for pumps, Volume. F. T. Harrington and J. Robinson. 2,472,477, June 7.
- Control system for reactors, Automatic. E. T. Arters. 2,479,289, Aug. 16.
- Control system for stator fed alternating-current commutator motors. B. Schwarz. 2,480,054, Aug. 23.
- Control system for steam boiler furnaces. G. R. Anderson. 2,468,535, Apr. 26.
- Control system for steering-by-driving mechanism, Hydraulic. W. W. Henning. 2,468,628, Apr. 26.
- Control system for trolley switches. E. A. Larsson. 2,490,909, Dec. 13.
- Control system for variable delivery pumps, Hydraulic. W. R. Tucker. 2,474,174, June 21.
- Control system for vehicle ride stabilizing equipment, Electric. G. R. Purifoy. 2,473,903, June 21.
- Control system for vehicles, Automatic. H.-G. Doll. 2,463,362, Mar. 1.
- Control system, Fuel-air ratio. S. M. Fairchild. 2,482,254, Sept. 20.
- Control system, Fully automatic desurfacing. H. W. Jones and E. Meincke. 2,479,624, Aug. 23.
- Control system, Frequency. J. R. Boykin. 2,473,853, June 21.
- Control system, Frequency. V. R. Learned. 2,464,818, Mar. 22.
- Control system, Frequency. G. S. Wachtman. 2,468,148, Apr. 26.
- Control system, Fuel. M. J. Thomas and G. C. Fricke. 2,472,734, June 7.
- Control system, Gas-burner. W. A. Ray. 2,472,384, June 7.
- Control system, Generator fed motor. N. H. Shaw. 2,484,250, Oct. 11.
- Control system, Guided missile. C. J. Marshall. 2,480,868, Sept. 6.
- Control system, Heater. V. N. Tramontini. 2,482,565, Sept. 20.
- Control system, Humidity. J. J. Bauman. 2,458,048, Jan. 4.
- Control system, Hydraulic. A. Crot. 2,466,796, Apr. 12.
- Control system, Hydraulic. J. N. Gladden. 2,467,887, Apr. 19.
- Control system, Hydraulic. F. A. Hassman and H. Ernst. 2,459,937, Jan. 25.
- Control system, Isolated radiant energy. J. Y. Dunbar, R. D. Gilpin, and N. R. Hussey. 2,481,503, Sept. 13.
- Control system, Keying. R. S. Chapin. 2,460,061, Jan. 25.
- Control system, Magnetic. A. M. Candy. 2,460,921, Feb. 8.
- Control system, Maximizing or minimizing. O. W. Livingston. 2,491,822, Dec. 20.
- Control system, Modulation. P. G. Wulfsberg. 2,459,208, Jan. 18.
- Control system, Motor. H. H. Conacher. 2,481,572, Sept. 13.
- Control system, Motor. R. O. Perrine. W. Richter and E. W. Seeger. 2,487,171, Nov. 8.
- Control system, Motor. C. A. P. Rossignol and P. M. J. S. de Giacomoni. 2,482,513, Sept. 20.
- Control system of limit-responsive operation, Variable-voltage. G. E. King. 2,484,836, Oct. 18.
- Control system, Phase shift. J. L. Fuller. 2,483,090, Sept. 27.
- Control system, Position. E. B. Ferrell. 2,464,566, Mar. 15.
- Control system, Position. F. L. Moseley and W. T. Cooke. 2,480,157, Aug. 30.
- Control system, Position and speed. W. F. Frost. 2,471,422, May 31.
- Control system, Process. O. F. Ritzmann. 2,462,995, Mar. 1.
- Control system, Proportional. W. D. Macgeorge. 2,484,000, Oct. 4.
- Control system, Radar glide path. B. R. Cole. 2,466,534, Apr. 5.
- Control system, Recalibrating motor. L. B. Cherry. 2,489,999, Nov. 29.
- Control system, Relay. C. M. Hines. 2,473,683, June 21.
- Control system, Relay. G. J. Lexa. 2,468,634, Apr. 26.
- Control system, Relief valve. R. K. Sedgwick. 2,470,583, May 17.
- Control system, Remote. J. G. Karlet and A. G. Walker. 2,479,686, Aug. 23.
- Control system, Remote tuner. N. R. Ridgely, Jr., and C. B. Coleman. 2,473,907, June 21.
- Control system, Shaft positioning. R. W. May and H. M. Schweighofer. 2,476,673, July 19.
- Control system, Sound. A. E. Ekstrand. 2,466,216, Apr. 5.
- Control system, Standardized motor. W. P. Wills and L. Stanton. 2,484,367, Oct. 11.
- Control system, Supercharger compression temperature. H. T. Sparrow. 2,474,018, June 21.
- Control system, Supervisory. J. T. Purcell. 2,492,766, Dec. 27.
- Control system, Temperature. C. L. Mershon. 2,470,633, May 17.
- Control system, Tracer. N. G. Branson. 2,492,731, Dec. 27.
- Control system, Train. H. P. Folker. 2,465,862, Mar. 29.
- Control system, Train-line. W. F. Eames. 2,459,631, Jan. 18.
- Control system, Train-line. G. R. Purifoy and R. E. Burkhardt. 2,482,506, Sept. 20.
- Control system, Transfer. W. R. Taliaferro. 2,468,135, Apr. 26.
- Control system, Transmission. E. I. Green. 2,465,531, Mar. 29.
- Control system, Transmission. R. Lapsley. 2,461,218, Feb. 8.
- Control system utilizing automatic phase shift, Electronic. R. L. Ringer, Jr., and C. E. Smith. 2,458,644, Jan. 11.
- Control system, Variable-voltage. G. E. King and M. H. Fisher. 2,488,413, Nov. 15.
- Control system, Voltage. E. L. Deeter. 2,473,512, June 21.

- Control system, Weld. H. R. Davies. 2,472,041, May 31.
Control system, Wind vane operated. J. M. Brady. 2,465,999, Apr. 5.
Control system with latching relays, Motor. V. Weber. 2,459,349, Jan. 18.
Control thermostat, Refrigerator. C. W. Kuhn. 2,480,937, Sept. 6.
Control unit. R. W. Booth. 2,468,288, Apr. 26.
Control unit. R. A. Lee. 2,489,424, Nov. 29.
Control unit for airplanes. W. K. Beetle, Jr. 2,461,194, Feb. 8.
Control unit for discharge lamps. R. F. Strickland. 2,482,442, Sept. 20.
Control unit for electric cookers. B. Ames. 2,463,011, Mar. 1.
Control unit for turbopower transmission apparatus. J. R. Horton. 2,491,109, Dec. 13.
Control unit, Hydraulic tool. A. P. Waterson. 2,474,134, June 21.
Control unit, Millivolt. J. W. Alderson. 2,459,784, Jan. 25.
Control unit, Program. H. E. Hobby. 2,475,501, July 5.
Control unit, Shunt. J. L. and J. I. Stender. 2,474,600, June 28.
Control unit, Temperature. G. F. Zucker. 2,488,518, Nov. 15.
Control valve. G. W. Bornquist. 2,461,136, Feb. 8.
Control valve. W. E. Brill. 2,485,692, Oct. 25.
Control valve. E. E. Harper. 2,459,700, Jan. 18.
Control valve. B. E. Horne. 2,461,982, Feb. 15.
Control valve for hydraulic systems. G. Brinkmann. 2,484,373, Oct. 11.
Control valve, vibration dampener, and expansion joint device for a compressor discharge line. A. D. Ferguson. 2,487,120, Nov. 8.
Control valves. J. H. Wilson. 2,461,304, Feb. 8.
Control vent, Room temperature. P. L. Mikeska. 2,467,216, Apr. 12.
Controllable output circuit. E. C. Vestal, Jr. 2,457,854, Jan. 4.
Controllable pulse generator. H. Lyons. 2,475,625, July 12.
Controlled catalytic vapor phase process. J. P. Longwell. 2,491,500, Dec. 20.
Controlled-consistency gypsum plasters and method and materials for producing the same. J. K. Wise. 2,487,036, Nov. 1.
Controlled generator. R. W. Clark. 2,486,005, Oct. 25.
Controlled severity fluid coking. W. A. Rex and B. E. Roetheli. 2,485,315, Oct. 18.
Controller. H. C. Krapf. 2,473,889, June 21.
Controller and circuit breaker for electric motors. L. Heidmann. 2,481,743, Sept. 13.
Controller, Coiling machine. D. W. Fath. 2,474,620, June 28.
Controller, Electric. C. P. Heyart and E. R. Ross. 2,492,933, Dec. 27.
Controller, Electric. F. H. Johnson and C. F. Leathers. 2,483,054, Sept. 27.
Controller, Electric. C. L. Perry. 2,473,256, June 14.
Controller, Electric circuit. J. D. Russell and J. W. Woolf. 2,472,048, May 31.
Controller, Electric demand. H. W. Harper. 2,469,645, May 10.
Controller, Electric motor. F. J. Pavitt and H. H. Matthews. 2,492,395, Dec. 27.
Controller, Engine. J. Dolza. A. W. Gaubatz, P. W. Parish, and F. W. Kerfoot. 2,491,482, Dec. 20.
Controller, Fluid operated. J. J. Slomer. 2,475,260, July 5.
Controller for alternating current motors. R. B. Hunter and E. Pell. 2,459,320, Jan. 18.
Controller for compressors, Variable-capacity. W. Turnwald. 2,470,380, May 17.
Controller for domestic appliances, Time and temperature. R. R. Candor. 2,471,862, May 31.
Controller for electric motor driven apparatus. C. P. Feldhausen. 2,490,458, Dec. 6.
Controller for electric motor-driven traveling devices. E. U. Lassen. 2,462,755, Feb. 22.
Controller for stopping motor-driven machines. C. P. Feldhausen. 2,489,876, Nov. 29.
Controller for well pumps, Gas. G. A. Humason. 2,458,270, Jan. 4.
Controller, Motor speed. L. O. French. 2,480,566, Aug. 30.
Controller, Pneumatic. F. B. Newell. 2,487,266, Nov. 8.
Controller, Portable electric lamp. J. M. Huddleston, Jr. 2,477,746, Aug. 2.
Controller, Program. A. H. De Moss. 2,488,766, Nov. 22.
Controller, Ratio. N. Brewer. 2,481,496, Sept. 13.
Controller, Servo. W. A. Anderson. 2,492,779, Dec. 27.
Controller, Stumble. L. W. Sparks. 2,487,609, Nov. 8.
Controller, Thermostatic shutter. H. T. Booth. 2,459,490, Jan. 18.
Controller, Welding. G. J. Lexa. 2,491,413, Dec. 13.
Controlling a fractionating column. A. H. Blair. 2,489,949, Nov. 29.
Controlling apparatus, Electric. A. M. Cohen. 2,487,313, Nov. 8.
Controlling apparatus for positioning guns. R. Ponting. 2,464,654, Mar. 15.
Controlling apparatus, Pressure. W. W. Paget. 2,484,847-8, Oct. 18.
Controlling apparatus, Pressure. W. W. Paget. 2,484,851, Oct. 18.
Controlling apparatus, Railway traffic. L. V. Lewis. 2,484,716, Oct. 11.
Controlling apparatus, Tension. E. J. Larsen and O. G. Nelson. 2,485,895, Oct. 25.
Controlling catalytic exothermic reactions of gasiform reactants. P. C. Keith. 2,479,496, Aug. 16.
Controlling device, Backwater. C. Modlin. 2,478,976, Aug. 16.
Controlling device for prime movers. H. Hornschuch. 2,489,778, Nov. 29.
Controlling device for the accumulator rolls of beam warpers. J. C. Bodansky. 2,491,439, Dec. 13.
Controlling device for wave guides, Transmission. R. M. Pease. 2,474,688, June 28.
Controlling device, Refrigerant flow. L. W. Atchison. 2,481,968, Sept. 13.
Controlling flow brightening of plated metal articles. H. P. Munger. 2,490,084, Dec. 6.
Controlling fluid flow through restricted conduits. K. L. Hertel. 2,484,507, Oct. 11.
Controlling fractionating columns, Method and apparatus for. G. W. Wilson, Jr. 2,467,174, Apr. 12.
Controlling frequency characteristics in sound recording, Method and apparatus for. M. Rettinger and K. Singer. 2,458,641, Jan. 11.
Controlling means and system. W. S. Landon. 2,461,328, Feb. 8.
Controlling means for fractionating towers, Automatic. R. R. Whitley. 2,467,951, Apr. 19.
Controlling means for slide rules, Motion. A. F. Eckel. 2,476,442, July 19.
Controlling mechanism, Movable element. J. E. Wray. 2,475,119, July 5.
Controlling multicomponent separation process in accordance with light absorption characteristics, Method and apparatus for. J. A. Anderson, Jr. 2,459,404, Jan. 18.
Controlling paper-making machines, Method of and apparatus for. A. W. Tait. 2,479,031, Aug. 16.
Controlling polymer properties in emulsion polymerization by controlling intensity of agitation. W. A. Schulze. 2,490,713, Dec. 6.
Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. E. C. Hurdiss. 2,467,033, Apr. 12.
Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. E. C. Hurdiss. 2,480,928, Sept. 6.
Controlling shot patterns. W. L. Finlay. 2,484,988, Oct. 18.
Controlling shot patterns. G. E. Hutchinson. 2,484,998, Oct. 18.
Controlling system, Airplane traffic. S. P. Saint. 2,475,256, July 5.
Controlling system, Electric. F. B. Aubert. 2,459,356, Jan. 18.
Controlling system, Electron beam. H. W. G. Salinger. 2,489,328, Nov. 29.
Controlling system for condition regulators. W. L. Hunt. 2,471,872, May 31.
Controlling system for propeller blades, Pitch. J. I. Hamilton. 2,471,953, May 31.
Controlling system for railroads, Centralized traffic. W. M. Barker. 2,487,412, Nov. 8.
Controlling system for reaction motors. J. H. Wyld and L. Lawrence, Jr. 2,479,888, Aug. 23.
Controlling system, Liquid pressure operated. L. C. Chouings. 2,472,694, June 7.
Controlling system, Wattage. L. F. Bird. 2,470,460, May 17.
Controlling system with verification of communicated messages, Airway traffic. N. D. Preston and F. B. Hitchcock. 2,481,239, Sept. 6.
Controlling the aging of xanthates. J. P. Hollihan, Jr., and S. A. Moss, Jr. 2,492,428, Dec. 27.
Controlling the beam current in television camera tubes. R. R. Thainer. 2,465,667, Mar. 29.
Controlling the concentration of vapors in the atmosphere, Method and apparatus for. O. H. Robertson, T. T. Puck, and H. Wise. 2,465,040, Mar. 22.
Controlling the feeding of metal coil strip to scroll shears or the like. J. Simpson. 2,480,781, Aug. 30.
Controlling the flow of liquids. C. W. Packwood. 2,477,494, July 26.
Controlling the lengths of separable fasteners. L. H. Morin. 2,460,102, Jan. 25.
Controlling the operation of a plurality of gaseous discharge lamps. W. Foerste. 2,460,979, Feb. 8.
Controlling the polarization of radiant energy. C. G. Smith. 2,464,269, Mar. 15.
Controlling the rimming of ingots. J. S. Stanier and E. B. Plott. 2,480,516, Aug. 30.
Controlling the temperature of glass in plural orifices of glass feeders. W. K. Berthold and J. S. Light. 2,485,807, Oct. 25.
Controlling torch spacing, Method and apparatus for. H. O. Klinke. 2,472,951, June 14.
Convactor heater cabinet. F. M. Young. 2,488,843, Nov. 22.
Convenience outlet. W. G. Kolb. 2,459,659, Jan. 18.
Conversion arrangement for vacuum cleaners. E. B. Hough. 2,487,443, Nov. 8.

- Conversion attachment, Rifle sight. U. Lillard. 2,473,891, June 21.
- Conversion of Fischer synthesis product, Catalytic. R. F. Ruthruff. 2,467,407, Apr. 19.
- Conversion of fluid hydrocarbons, Method and apparatus for. E. V. Bergstrom. 2,458,498-9, Jan. 11.
- Conversion of fluid hydrocarbons, Method and apparatus for. E. V. Bergstrom. 2,488,488, Nov. 15.
- Conversion of fluid hydrocarbons, Method and apparatus for. H. K. Holm. 2,458,165, Jan. 4.
- Conversion of hydrocarbon gas into carbon monoxide and hydrogen. L. P. Gaucher. 2,483,132, Sept. 27.
- Conversion of hydrocarbon oil, Catalytic. P. S. Viles. 2,471,131, May 24.
- Conversion of hydrocarbons. G. J. Forseth. 2,487,324, Nov. 8.
- Conversion of hydrocarbons. T. P. Simpson. 2,458,109, Jan. 4.
- Conversion of hydrocarbons, Catalytic. E. V. Mathy. 2,490,975, Dec. 13.
- Conversion of hydrocarbons, Contact. H. D. Noll. 2,462,891, Mar. 1.
- Conversion of hydrocarbons, Fluidized catalytic. R. E. Hall and M. J. Wilcox. 2,471,034, May 24.
- Conversion of hydrocarbons, Multistage. R. L. Hasche. 2,475,093, July 5.
- Conversion of hydrocarbons, Pyrolytic. H. L. Pelzer. 2,461,172, Feb. 8.
- Conversion of hydrocarbons, Pyrolytic. K. M. Watson. 2,463,729, Mar. 8.
- Conversion of hydrocarbons, Thermal. G. M. Thacker and H. O. Folkins. 2,460,200, Jan. 25.
- Conversion of hydrocarbons with a moving catalyst, Method and apparatus for. W. A. Hagerbaumer. 2,458,162, Jan. 4.
- Conversion of hydrocarbons with suspended catalyst. E. A. Johnson. 2,477,750, Aug. 2.
- Conversion of hydrocarbons with the aid of a fluidized catalyst, Pyrolytic. W. S. Gullette. 2,476,143-4, July 12.
- Conversion of hydrosulfides to neutral sulfur substances. L. C. Fetterly. 2,472,473, June 7.
- Conversion of iron chloride into iron oxide and hydrochloric acid. S. Strelzoff. 2,471,844, May 31.
- Conversion of olefins using the reaction product of oxygen, boron trifluoride, and a hydrocarbon as catalyst. R. C. Wackher and C. B. Linn. 2,488,752, Nov. 22.
- Conversion of petroleum hydrocarbons. J. A. Crowley, Jr. 2,490,336, Dec. 6.
- Conversion processes in the presence of a dense turbulent body of finely divided solid material. J. C. Munday. 2,468,508, Apr. 26.
- Conversion system and apparatus, Power. E. S. True. 2,479,705, Aug. 23.
- Conversion system, Catalytic. J. E. Seebold. 2,474,014, June 21.
- Conversion unit for fire finders. W. Heckman. 2,469,387, May 10.
- Conversion unit for gun type oil burners. J. A. Logan. 2,466,249, Apr. 5.
- Conversion unit, Water heater. H. E. Handley. 2,459,816, Jan. 25.
- Conversions of hydrocarbons, Catalytic. J. W. Ward. 2,460,404, Feb. 1.
- Converter-amplifier system, Low-frequency. A. J. Williams, Jr., R. E. Tarpley, and N. C. Johnson. 2,485,948, Oct. 25.
- Converter and error detector, Code. J. A. Spencer and L. A. Thomas. 2,471,126, May 24.
- Converter, Bessemer. H. L. McFeaters. 2,485,305, Oct. 18.
- Converter, Catalytic. C. E. Kleiber, D. L. Campbell, D. E. Stines, and C. C. Nelson. 2,483,494, Oct. 4.
- Converter, Crystal rectifier. J. B. Atwood and B. Trevor. 2,469,222, May 3.
- Converter, Current. M. Meunier. 2,479,853, Aug. 23.
- Converter, Frequency. M. A. Lissman. 2,480,659, Aug. 30.
- Converter, Frequency. M. A. Lissman. 2,481,132, Sept. 6.
- Converter, Hall effect. A. Hansen, Jr. 2,464,807, Mar. 22.
- Converter, Hydrokinetic torque. E. E. Wemp. 2,471,179, May 24.
- Converter, Line balance. G. H. Brown and O. M. Woodward, Jr. 2,473,328, June 14.
- Converter, Mechanical. J. Harschel. 2,479,569, Aug. 23.
- Converter, Mechanical. L. Prati. 2,466,864, Apr. 12.
- Converter mechanism, Torque. B. Bannister. 2,478,227, Aug. 9.
- Converter, Motion. F. A. Lane. 2,477,542, July 26.
- Converter system, Power. C. W. Hansell. 2,483,766, Oct. 4.
- Converter, Telegraph code. G. L. Bush. 2,458,144, Jan. 4.
- Converter, Torque. C. E. Ellis. 2,490,789, Dec. 13.
- Converter, Torque. T. E. Torkelson. 2,470,589, May 17.
- Converter, Torus chamber hydraulic torque. E. E. Wemp. 2,463,582, Mar. 8.
- Convertible easel case. G. P. Sullivan and O. L. Simunich. 2,476,568, July 19.
- Convertible handbag-shopping bag. M. Fass. 2,479,824, Aug. 23.
- Convertible top construction for motor vehicles. H. F. Cromwell and G. R. McCool. 2,482,323, Sept. 20.
- Convertible top cover. G. G. Fleischhauer. 2,479,825, Aug. 23.
- Convertible vehicle. C. R. Ahrens. 2,458,127, Jan. 4.
- Converting lower-boiling aldehydes into higher-boiling aldehydes. E. F. Smith. 2,485,989, Oct. 25.
- Converting material. W. S. Martin. 2,471,882, May 31.
- Converting rotary to intermittent oscillating motion. T. Harris and E. C. Swilik. 2,461,641, Feb. 15.
- Conveyer: See -
Shaker conveyer.
- Conveyer. R. S. Jacobsen. 2,458,077, Jan. 4.
- Conveyer. W. L. McNamara and F. Z. Fouse. 2,487,355, Nov. 8.
- Conveyer. J. W. Megargee. 2,467,682, Apr. 19.
- Conveyer. V. A. Rayburn. 2,471,347, May 24.
- Conveyer. A. D. Sinden. 2,465,287, Mar. 22.
- Conveyer. E. Vallance. 2,489,440, Nov. 29.
- Conveyer. B. Woldring and J. R. Sebastian. Re. 23,079, Jan. 11.
- Conveyer and auger feed for combines. O. R. Schoenrock. 2,467,501, Apr. 19.
- Conveyer and chain therefor, Monorail. A. S. Hamilton, Jr. 2,479,680, Aug. 23.
- Conveyer and feeder apparatus for fabrics. J. D. Trimble. 2,488,694, Nov. 22.
- Conveyer and guide. A. Broadmeyer. 2,464,173, Mar. 8.
- Conveyer and transfer mechanism. C. J. Malhiot. 2,461,167, Feb. 8.
- Conveyer apparatus and control systems therefor. R. W. Spafford. 2,486,222, Oct. 25.
- Conveyer apparatus for use in the assembly of closure caps. J. C. Johnson. 2,484,095, Oct. 11.
- Conveyer apparatus, Window display. L. M. and E. M. Graves. 2,490,903, Dec. 13.
- Conveyer arrangement, Plural. E. A. Ernst. 2,479,823, Aug. 23.
- Conveyer, Automatic manure. N. Martinovich. 2,460,894, Feb. 8.
- Conveyer, Belt. W. H. Farr, C. L. Eksergian, and C. E. Dupont. 2,477,790, Aug. 2.
- Conveyer carrier blades with equalizer tops. E. A. Lerner. 2,470,253, May 17.
- Conveyer chain. J. L. Clarkson. 2,460,447, Feb. 1.
- Conveyer chain. H. Freeman. 2,490,682, Dec. 6.
- Conveyer chain. J. E. Hunnicutt. 2,463,970, Mar. 8.
- Conveyer, Chain. C. G. Joa. 2,466,240, Apr. 5.
- Conveyer chain. J. B. Webb. 2,487,500, Nov. 8.
- Conveyer, Chicken house manure. G. A. Newell. 2,490,538, Dec. 6.
- Conveyer control. H. C. Crane. 2,490,256, Dec. 6.
- Conveyer, Current. E. W. Preble. 2,470,521, May 17.
- Conveyer, Dual turret. T. M. Kane. 2,463,281, Mar. 1.
- Conveyer, Elevating. J. J. Shields. 2,490,381, Dec. 6.
- Conveyer, Extensible. L. A. Mapes. Re. 23,107, May 3.
- Conveyer, Extensible loader. H. Edwards. 2,491,255, Dec. 13.
- Conveyer, Flight. H. W. Hapman. 2,476,040, July 12.
- Conveyer for changing course of articles from single to plural rows. W. L. McNamara and F. Z. Fouse. 2,487,354, Nov. 8.
- Conveyer for dehydrating machines. A. E. Brunne. 2,459,915, Jan. 25.
- Conveyer for hay gathering and feeding mechanism for hay balers. E. B. Nolt. 2,481,528, Sept. 13.
- Conveyer for headers, Auxiliary. L. Cieslak. 2,465,709, Mar. 29.
- Conveyer for sheet pilers, Magnetic. D. Buccicone. 2,486,733, Nov. 1.
- Conveyer for suspending sheets, Gripper. E. R. Zademach and W. W. Clarke. 2,478,034, Aug. 2.
- Conveyer for vehicles, Material. M. V. Dillingham. 2,464,217, Mar. 15.
- Conveyer loading station. J. R. Madeira. 2,488,980, Nov. 22.
- Conveyer mechanism for container capping apparatus. E. M. Enkur, L. F. Pahl, and L. L. Lauve. 2,479,822, Aug. 23.
- Conveyer mechanism, Group arranging. C. E. Melhorn. 2,482,427, Sept. 20.
- Conveyer, Orienting. J. Dowie and H. H. Hinzelman. 2,466,936, Apr. 12.
- Conveyer, Pneumatic dust. G. I. McBride. 2,477,414, July 26.
- Conveyer, Rapid picture. J. C. Ramsaur. 2,478,638, Aug. 9.
- Conveyer, Reciprocating. D. C. Campion. 2,473,193, June 14.
- Conveyer, Rollerway. N. Warshaw. 2,470,275, May 17.
- Conveyer, Rotary. C. N. Hoyler and R. A. Bierwirth. 2,470,311, May 17.
- Conveyer, Seeder. J. A. Mueller. 2,462,276, Feb. 22.
- Conveyer, Self-feeding. A. J. Brinker. 2,460,920, Feb. 8.
- Conveyer, Shaker. C. A. Pratt. 2,464,344, Mar. 15.
- Conveyer, Shaker. F. J. Wood. 2,491,405, Dec. 13.
- Conveyer, Stacking. N. H. Sandberg. 2,477,830, Aug. 2.
- Conveyer system. M. E. Cronemiller. 2,479,214, Aug. 16.
- Conveyer system for drum-type photoprinter. P. B. Streich. 2,467,241, Apr. 12.
- Conveyer system for cargo airports. J. González and Y. Meer. 2,470,696, May 17.
- Conveyer system for oval cans, Distributing. J. Albertoli. 2,488,888, Nov. 22.

- Conveyer system, Grain. A. L. Miller. 2,481,860, Sept. 13.
- Conveyer system, Induction heating. G. H. Williams. 2,491,348, Dec. 13.
- Conveyer system, Multiple belt. F. J. Blume. 2,472,805, June 14.
- Conveyer system, Work distributing. J. R. Dunn. 2,470,922, May 24.
- Conveyer, Vibratory. L. Devo. 2,464,216, Mar. 15.
- Conveying apparatus. J. V. Davis. 2,489,404, Nov. 29.
- Conveying means for shoe manufacture. B. T. Gialdini. 2,460,782, Feb. 1.
- Conveying mechanism, Article. A. W. Arnold. 2,479,709, Aug. 23.
- Conveying system, Ammunition. W. J. Turnbull. 2,464,905, Mar. 22.
- Cookstove. H. M. Reeves. 2,480,045, Aug. 23.
- Cooker. W. P. Schroeder. 2,475,523, July 5.
- Cooker, Adjustable deep-well. C. E. Chesser and T. H. Cline. 2,485,698, Oct. 25.
- Cooker, Electric. G. P. Anderson. 2,466,349, Apr. 5.
- Cooker for electric stoves having elevatable heating element, Deep well. K. H. Snow. 2,485,990, Oct. 25.
- Cooker, Outdoor. A. T. Smith. 2,466,496, Apr. 5.
- Cooker, Pressure. R. F. Davis. 2,483,628, Oct. 4.
- Cooker, Pressure. H. K. Foster. 2,468,259, Apr. 26.
- Cooker, Pressure. V. W. Naylor. 2,483,297, Sept. 27.
- Cooker, Pressure. T. R. Rhodes and E. R. Hunt. 2,472,620, June 7.
- Cooker, Pressure. L. F. Whitney. 2,472,451, June 7.
- Cooking and frying device. L. Dodules. 2,477,586, Aug. 2.
- Cooking apparatus. A. T. Foster. 2,469,595, May 10.
- Cooking apparatus. C. Mannheimer. 2,472,164, June 7.
- Cooking apparatus, Electric. C. C. Spreen. 2,491,529, Dec. 20.
- Cooking equipment. C. C. H. Rasmussen. 2,468,778, May 3.
- Cooking machine. M. P. Spartalis. 2,482,601, Sept. 20.
- Cooking range with ventilating hood. H. L. Warren. 2,482,952, Sept. 27.
- Cooking unit. H. C. Doner. 2,457,877, Jan. 4.
- Cooky-maker, Rotary. H. C. Behnke. 2,483,173, Sept. 27.
- Coolant device for tools. E. K. Allen, Jr. 2,491,635, Dec. 20.
- Coolant for metal machining processes. A. J. Bjorksten and T. C. Crowley. 2,470,913, May 24.
- Coolant relief valve. J. E. Eshbaugh. 2,469,195, May 3.
- Cooled, high-frequency electric cable. W. M. Roberds. 2,483,301, Sept. 27.
- Cooler: See—
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| Beverage cooler. | Oil cooler. |
| Brake cooler. | Powder cooler. |
| Liquid cooler. | Refrigerator drinking water cooler. |
| Milk can cooler. | Water cooler. |
| Milk cooler. | |
| Nested cylinder cooler. | |
- Cooler. L. S. Petersen. 2,483,738, Oct. 4.
- Cooler and supercharger for compressors. P. H. Davey. 2,464,560, Mar. 15.
- Cooler, Checker. A. A. Purola. 2,463,421, Mar. 1.
- Cooler control, Oil. H. Cruzan. 2,480,120, Aug. 30.
- Cooler for air conditioning systems, Liquid. M. Di Zoppola. 2,460,623, Feb. 1.
- Cooler for refrigerators, Water. J. W. Alexander. 2,478,220, Aug. 9.
- Cooler for viscous liquids. S. K. Andersen. Re. 23,144, Sept. 6.
- Cooler having automatic bimetal thermostat controlled shutter, Oil. W. R. Ramsaur. 2,474,162, June 21.
- Cooler, including agitator motor and heat removing device therefor, Liquid. M. W. Fish. 2,470,551, May 17.
- Cooler including control apparatus for limiting ice formation thereon, Liquid. E. C. Raney. 2,459,337, Jan. 18.
- Cooler system having temperature and humidity controlling means, Air. W. A. Spofford. 2,477,351, July 26.
- Cooler with a drain arrangement, Water. S. O. Morrison. 2,459,774, Jan. 18.
- Cooling. F. R. Greyson. 2,480,727, Aug. 30.
- Cooling and dispensing objects, Method of and apparatus for. E. L. McCandless, G. W. Patch, Jr., and P. M. Ahlstrand. 2,487,821, Nov. 15.
- Cooling and display device, Bottle. W. G. Poissant. 2,471,581, May 31.
- Cooling and pressurizing aircraft cabins. W. W. Paget. 2,484,850, Oct. 18.
- Cooling and silencing device, Brake drum. T. P. Chase. 2,489,522, Nov. 29.
- Cooling and ventilating means for the operators of garment presses. N. Monsarrat. 2,488,220, Nov. 15.
- Cooling apparatus. W. S. Hall. 2,480,573, Aug. 30.
- Cooling apparatus, Automobile. E. F. Iwanski. 2,475,897, July 12.
- Cooling apparatus, Fluid current confection. J. J. Cortese. 2,464,294, Mar. 15.
- Cooling apparatus, Liquid. J. G. Ritter. 2,488,435, Nov. 15.
- Cooling apparatus using carbon dioxide, Vehicle. A. H. Pearson. 2,475,755, July 12.
- Cooling apparatus, X-ray tube. W. J. Oosterkamp and A. W. Vingerhoets. 2,466,962, Apr. 12.
- Cooling arrangement for dynamoelectric machines. C. W. Lange. 2,462,649, Feb. 22.
- Cooling arrangement for speed governors. D. Roeder and H. L. Brock. 2,466,328, Apr. 5.
- Cooling cycle for internal-combustion engines. M. F. Knoy. 2,481,520, Sept. 13.
- Cooling, cylinder, jacket, and head construction. O. Petersen. 2,487,368, Nov. 8.
- Cooling device, Bottled beverage. L. A. Philipp. 2,464,605, Mar. 15.
- Cooling device by vaporization for internal-combustion engines. G. Levesque du Rostu. 2,458,609, Jan. 11.
- Cooling device for power plants of boats. J. H. Wilson. 2,466,525, Apr. 5.
- Cooling device for refrigerator cabinets, Removable drawerlike. I. M. Koln. 2,465,459, Mar. 29.
- Cooling device for turbine rotors. A. Buchi. Re. 23,172, Nov. 29.
- Cooling device, Liquid. D. Smith. 2,482,220, Sept. 20.
- Cooling hot hygroscopic solids, Method and apparatus for. B. R. Harris. 2,473,889, Aug. 16.
- Cooling machine, Can. D. E. Leonard. 2,477,992, Aug. 2.
- Cooling machine gun barrels. P. R. De Permentier. 2,467,372, Apr. 19.
- Cooling means for engine cylinders. J. C. Ripley, Jr. 2,467,992, Apr. 19.
- Cooling means, Glassware mold. H. C. MacConnell, Jr. 2,485,836, Oct. 25.
- Cooling, Method and apparatus for. H. A. Thornburg. 2,488,997, Nov. 22.
- Cooling process, Produce. E. H. Spiegl. 2,465,614, Mar. 29.
- Cooling projected devices. R. H. Goddard. 2,468,820, May 3.
- Cooling system, Anode. W. L. Atwood. 2,484,542, Oct. 11.
- Cooling system, Aircraft evaporative. L. S. King. 2,477,932, Aug. 2.
- Cooling system, Electric furnace. H. A. Strickland, Jr. 2,490,105, Dec. 6.
- Cooling system, Engine. K. A. Browne and W. D. Cannon. 2,482,461, Sept. 20.
- Cooling system for aircraft having expansion means, Evaporative. L. S. King. 2,477,931, Aug. 2.
- Cooling system for car wheel axles. W. D. Weeks. 2,458,231, Jan. 4.
- Cooling system for clutch and brake devices. J. H. Wilson. 2,468,388, Apr. 26.
- Cooling system for compartments using expansion engine means. F. H. Green. 2,485,590, Oct. 25.
- Cooling system for electrical apparatus. C. L. Knotts and R. L. Brown. 2,479,373, Aug. 16.
- Cooling system for electron discharge devices. W. S. Weschler, R. P. Roetter, and R. P. Corporon. 2,476,647, July 19.
- Cooling system for electron tubes and other devices. W. E. Brown. 2,475,473, July 5.
- Cooling system for engines. M. J. Kelson, Sr. 2,478,489, Aug. 9.
- Cooling system for marine motors. E. C. Ortman and W. Young. 2,482,024, Sept. 13.
- Cooling system, Motor. B. C. Monroe. 2,479,585, Aug. 23.
- Cooling system, Oil. A. Blatt. 2,487,215, Nov. 8.
- Cooling system, Turbine. K. A. Browne. 2,463,851, Mar. 8.
- Cooling system, Turbogenerator. K. R. Hopkirk. 2,491,314, Dec. 13.
- Cooling system, Vehicle. S. E. Maness, Jr. and S. E. Maness, Sr. 2,481,135, Sept. 6.
- Cooling the internal surface of a bottle, jar or other hollow glass article. T. D. Green. 2,470,245, May 17.
- Cooling turbine rotors. W. K. Bodger. 2,479,056, Aug. 16.
- Cooling unit, Liquid. C. Boling and A. J. Tigges. 2,466,676, Apr. 12.
- Cooling unit, Refrigeration plate. R. H. Swart. 2,478,791, Aug. 9.
- Coop, Shipping. O. F. Carpenter. 2,483,527, Oct. 4.
- Cop-carrying device for braiding machines. T. T. Bunch. 2,489,006, Nov. 22.
- Copolymer composition. T. S. Carswell and R. F. Hayes. 2,483,753, Oct. 4.
- Copolymer, compositions and manufacture and use thereof, Modified. W. J. Sparks and D. W. Young. 2,491,526, Dec. 20.
- Copolymer filaments, Delustering. J. E. Snyder. 2,476,069, July 12.
- Copolymer mixed with phenol-aldehyde resin, Elastomeric. F. J. Groten and R. J. Reid. 2,459,739, Jan. 18.
- Copolymer of a vinyl aromatic compound and an alkylidene phthalide. D. T. Mowry and C. L. Mills, Jr. 2,489,972, Nov. 29.
- Copolymer of butadiene and bornyl methacrylate. A. B. Craig and D. T. Mowry. 2,486,376, Nov. 1.
- Copolymer of butadiene and styrene, Stabilized. H. E. Albert. 2,476,821, July 19.
- Copolymer of butadiene-1,3 and alpha methyl para methyl-styrene. P. K. Frolich and E. Arundale. 2,485,273, Oct. 18.
- Copolymer of diallyl chloromaleate and butadiene-1,3. A. M. Clifford and J. D. D'Ianni. 2,464,488, Mar. 15.
- Copolymer of 1,3-butadiene and styrene which contains amine activator, Preparation of rubberlike. A. D. Miller. 2,476,822, July 19.
- Copolymer of styrene and a phenyl-vinyl acetate. D. T. Mowry and C. L. Mills, Jr. 2,471,766, May 31.
- Copolymer of unsaturated fumarate alkyl resin. R. L. Kropa, and A. S. Nyquist. 2,491,409, Dec. 13.

- Copolymer of vinyl chloride and vinylidene chloride, Thermoset. T. H. Rogers, Jr., and R. D. Vickers. 2,466,998, Apr. 12.
- Copolymer phenolic adhesive containing the intercondensation product of a monohydric phenol and a polyhydric phenol, producing same, and utilization thereof. P. H. Rhodes. 2,478,943, Aug. 16.
- Copolymeric vinylidene chloride composition. H. L. Schaefer. 2,477,657-9, Aug. 2.
- Copolymeric vinylidene chloride compositions. C. R. Irons. 2,477,608, Aug. 2.
- Copolymeric vinylidene chloride compositions. C. R. Irons and C. B. Havens. 2,477,609-10, Aug. 2.
- Copolymeric vinylidene chloride compositions. H. L. Schaefer and C. B. Havens. 2,477,656, Aug. 2.
- Copolymerization products of styrene and adduct modified glycol-maleate resins. G. S. Weith. 2,475,731, July 12.
- Copolymerizing maleic anhydride and styrene. E. J. Tauch. 2,490,489, Dec. 6.
- Copolymerizing vinylidene chloride and vinyl chloride. J. Heerema. 2,482,771, Sept. 27.
- Copolymers, Curing of. R. R. Harris. 2,467,526, Apr. 19.
- Copolymers of a vinyl aryl compound, butadiene, and maleic esters, Vulcanizable. G. F. D'Alelio. 2,457,872, Jan. 4.
- Copolymers of acrylonitrile, butadiene and maleic esters, Vulcanizable. G. F. D'Alelio. 2,457,873, Jan. 4.
- Copolymers of acrylonitrile, butadiene 1,3, and diethyl maleate, Preparing molecularly oriented. G. F. D'Alelio. 2,458,352, Jan. 4.
- Copolymers of alkenyl diesters of alkenyl-phosphonic acids with vinyl acetate. A. D. F. Toy. 2,485,677, Oct. 25.
- Copolymers of allyl esters, Rubberlike. K. H. Weber. 2,476,341, July 19.
- Copolymers of alpha-acetaminoacrylates. E. Isaacs and H. Gudgeon. 2,461,383, Feb. 8.
- Copolymers of beta-propionolactone. J. E. Magoffin and H. J. Hagemeyer, Jr. 2,487,885, Nov. 15.
- Copolymers of butadiene and alkyl esters of alpha, beta dichloroacrylic acid. J. G. Lichty. 2,469,833, May 10.
- Copolymers of butadiene and styrene, Compounding. E. G. Bargmeyer. 2,461,953, Feb. 15.
- Copolymers of butadiene and tetrahydrofurfuryl methacrylate. A. M. Clifford. 2,476,027, July 12.
- Copolymers of dihydrodicyclopentadienyl methacrylate with esters of methacrylic acid. F. W. Hoover. 2,462,400, Feb. 22.
- Copolymers of drying oils and diene hydrocarbons, Vulcanized. H. L. Gerhart. 2,475,664, July 12.
- Copolymers of enol esters of diketones. H. J. Hagemeyer, Jr. 2,484,501, Oct. 11.
- Copolymers of isopropenyl acetate and fumaric or maleic ester-amides. W. O. Kenyon and C. C. Unruh. 2,486,370, Oct. 25.
- Copolymers of multiolefins with vinyl ethers and making same. D. W. Young and W. J. Sparks. 2,462,703, Feb. 22.
- Copolymers of n-alkylsulfonyl- and n-arylsulfonyl-vinylamines. J. B. Dickey and T. E. Stanin. 2,475,424, July 5.
- Copolymers of styrene and benzalphthalimides. H. H. Szmant. 2,475,161, July 5.
- Copolymers of styrene and 4,4'-divinylbiphenyl. F. Rosenthal. 2,462,555, Feb. 22.
- Copolymers of styrene with furan or mono-alkyl furan. T. L. Cairns, A. W. Larchar, and B. C. McKusick. 2,479,306, Aug. 16.
- Copolymers of tetra-allyl pentaerythritol. L. T. Smith. 2,462,817, Feb. 22.
- Copolymers of tetrahydroabietyl alcohol-modified unsaturated alkyl resins and vinyl compounds. E. L. Kropa. 2,485,294, Oct. 18.
- Copolymers of 3,3,3-trifluoropropene. H. E. Schroeder. 2,484,530, Oct. 11.
- Copolymers of 2-acylamino-1,3-butadienes and vinyl compounds. J. B. Dickey. 2,458,355, Jan. 4.
- Copolymers of unsaturated esters of 9,10-dihydroxystearic acid. D. Swern and G. B. Dickel. 2,475,557, July 5.
- Copolymers of vinyl acetate, vinyl benzoate and an alkyl acrylate. G. E. Ham. 2,478,627, Aug. 9.
- Copolymers of vinyl aromatic compounds. R. B. Seymour and J. M. Butler. 2,471,785, May 31.
- Copolymers of vinyl chloride and diethyl maleate, Preparation of granular. M. Baer. 2,492,088, Dec. 20.
- Copolymers of vinyl chloride and vinyl acetate, Preparation of granular. M. Baer. 2,492,087, Dec. 20.
- Copolymers of vinyl chloride and vinyl acetate, Preparation of granular. M. Baer. 2,492,089, Dec. 20.
- Copolymers of vinyl chloride-diethyl maleate, Preparation of granular. M. Baer. 2,492,086, Dec. 20.
- Copolymers of vinyl chlorides, Plasticized. C. W. Gayler. 2,492,420, Dec. 27.
- Copolymers of vinyl compounds containing olefins. A. M. Clifford. 2,459,126, Jan. 11.
- Copolymers of vinyl esters and dioxolane. W. H. Wood. 2,479,146, Aug. 16.
- Copolymers of vinyl esters of low molecular weight carboxylic acids with polyalkyl esters of aconitic acid and producing the same. P. L. Gordon. 2,486,839, Nov. 1.
- Copolymers of vinyl furane and chloroprene. A. M. Clifford. 2,483,182, Sept. 27.
- Copolymers of vinyl furane and vinylidene chloride. A. M. Clifford. 2,478,860, Aug. 9.
- Copolymers of vinyl isocoumarans with ethylenically unsaturated compounds and obtaining same. A. L. Barney. 2,474,612, June 28.
- Copolymers of vinyl isocoumarans with 1,3-dienes and process for obtaining same. A. L. Barney. 2,474,614, June 28.
- Copolymers of vinyl isocoumarans with styrenes and obtaining same. A. L. Barney. 2,474,613, June 28.
- Copolymers of vinylidene fluoride with ethylene and halogenated ethylenes. T. A. Ford. 2,468,054, Apr. 26.
- Copper base alloy. V. A. Grodsky. 2,466,700, Apr. 12.
- Copper base alloy. K. H. Koopman. 2,473,028, June 14.
- Copper base alloy. V. T. Malcolm. 2,482,423, Sept. 20.
- Copper bromide relative humidity indicators. P. B. Davis. 2,460,067, Jan. 25.
- Copper chloride relative humidity indicators. P. B. Davis. 2,460,072, Jan. 25.
- Copper coating ferrous metal, Process and bath for. S. C. Avallone, A. W. Harris, and E. J. Whiting. 2,472,393, June 7.
- Copper, Electrodeposition of. K. S. Willson and D. G. Ellis. 2,471,918, May 31.
- Copper fungicides and producing same. A. A. Nikitin. 2,467,491, Apr. 19.
- Copper phthalocyanine dyestuff. A. Bucher. 2,492,732, Dec. 27.
- Copper plating solution. A. M. Max and C. M. Vance. 2,482,354, Sept. 20.
- Copper, Production of oxygen-free. A. L. Christensen and H. F. Silliman. 2,479,311, Aug. 16.
- Copper salts of mercaptans and their use in compounding synthetic rubber. W. A. Schulze and W. W. Crouch. 2,487,074, Nov. 8.
- Copyholder. E. H. Metcalf. 2,462,273, Feb. 22.
- Copyholder. J. Sindelar. 2,476,775, July 19.
- Copyholder device. F. S. Schade. 2,465,698, Mar. 29.
- Copyholder, Photographic. J. K. Holbrook. 2,464,686, Mar. 15.
- Copying machine, Photographic. P. Landrock and A. W. Caps. 2,487,561, Nov. 8.
- Copying machine, Three-dimensional. L. E. Marchant, V. W. Hall, and J. O. Creek. 2,488,088, Nov. 15.
- Copying machine with optical system. E. A. Cooke. 2,460,491, Feb. 1.
- Copying machine with optical system. E. A. Cooke. 2,465,010, Mar. 22.
- Cord assembly, Electrical extension. R. M. Striegel. 2,466,128, Apr. 5.
- Cord connecting means, Carrying. R. E. Prentice. 2,460,363, Feb. 1.
- Cord, Covered rubber. G. O. Schneller, III. 2,488,941, Nov. 22.
- Cord fastener. W. H. Churchill. 2,479,312, Aug. 16.
- Cord for Venetian blinds, Endless. J. L. Hunter. 2,466,951, Apr. 12.
- Cord holder for irons. A. J. Pencek. 2,487,585, Nov. 8.
- Cord magnesium anode in galvanic protection. J. J. Grebe and H. A. Robinson. 2,478,479, Aug. 9.
- Cord, Making. L. G. Henning and F. L. Sessions. 2,466,808, Apr. 12.
- Cord, Packing. N. I. Felscher. 2,465,081, Mar. 22.
- Cord processing apparatus. L. S. Hall and R. E. Solliday. 2,464,502, Mar. 15.
- Cord processing apparatus. R. E. Solliday and J. T. Gordon. 2,464,536, Mar. 15.
- Cord protector and strain reliever for use with electrical connectors. E. E. Reder, Jr. 2,472,986, June 14.
- Cord retriever, Vacuum cleaner. A. E. Strang. 2,487,395, Nov. 8.
- Cord splice, Electric. R. O. Hudson. 2,475,184, July 5.
- Cord stretching apparatus. R. C. Young and J. J. Brown. 2,474,927, July 5.
- Cord-supporting device for flatirons. J. W. Myers. 2,478,498, Aug. 9.
- Core and clamp, Magnetic. D. Halvorsen. 2,485,599, Oct. 25.
- Core assembly and method, Electromagnetic. W. C. Sealey and F. W. Arend. 2,468,786, May 3.
- Core catcher. J. S. Goodwin. 2,471,616, May 31.
- Core clamp. H. Epstein. 2,472,150, June 7.
- Core covering device. E. G. Egge. 2,488,970, Nov. 22.
- Core, Dynamoelectric machine field. A. W. White. 2,489,840, Nov. 29.
- Core for centrifugal pipe molds, Collapsible. J. J. Nolan, Jr. 2,486,870, Nov. 1.
- Core for closure frame trim elements. O. B. Merrill. 2,479,016, Aug. 16.
- Core for electromagnets. C. F. Miller. 2,482,860, Sept. 27.
- Core for use in casting hollow concrete units, Inflatable. C. B. Mathews and J. G. Ambrose. 2,485,898, Oct. 25.
- Core for use in molding hollow concrete walls, Expandable. K. Farley. 2,472,068, June 7.
- Core inductance, High-power permeability. G. J. Maki. 2,458,282, Jan. 4.
- Core, Laminated. H. F. Porter. 2,489,977, Nov. 29.
- Core, Laminated magnetic. O. E. Andrus. 2,469,100, May 3.
- Core machine, Plywood. O. S. Bolling. 2,488,759, Nov. 22.
- Core, Magnetic. T. D. Gordy. 2,467,823, Apr. 19.
- Core, Magnetic. J. C. Granfield. 2,465,798, Mar. 29.
- Core, Magnetic. J. C. Granfield. 2,467,824, Apr. 19.
- Core, Magnetic. G. G. Somerville. 2,486,220, Oct. 25.

- Core, Magnetic. J. J. Vienneau. 2,478,029, Aug. 2.
 Core, Magnetic. E. G. Walters. 2,467,101, Apr. 12.
 Core material composition, mold core, and making mold cores. E. S. Adams. 2,487,207, Nov. 8.
 Core, Molded. C. A. Horn. 2,475,321, July 5.
 Core oil and core compositions. C. L. Thomas. 2,466,667, Apr. 12.
 Core porosity analysis and apparatus therefor. H. J. Welge. 2,465,948, Mar. 29.
 Core, Reinforced. M. M. Marks. 2,474,186, June 21.
 Core replacing apparatus and method for stranded cables. B. M. Shepard. 2,484,055, Oct. 11.
 Core structure, Laminated stator. C. P. Potter. 2,478,316, Aug. 9.
 Core structure, Magnetic. J. G. Ford, C. C. Horstman, and J. H. Bramble. 2,488,391, Nov. 15.
 Core structures, Binding magnetic. M. B. Grout. 2,460,639, Feb. 1.
 Core with variable air gap, Magnetic. A. M. Candy. 2,460,922, Feb. 8.
 Core, Variable reluctance. R. A. Pfuntner and F. R. D'Entremont. 2,460,145, Jan. 25.
 Coreless operating cable. C. M. Zerr. 2,491,293, Dec. 13.
 Corer and juice extractor, Fruit. G. E. Wilson. 2,475,559, July 5.
 Corer, Apple and pear. C. A. Maile. 2,462,411, Feb. 22.
 Corer, Tomato. T. B. Sparks. 2,458,215, Jan. 4.
 Cores, Making magnetic. G. G. Somerville. 2,467,868, Apr. 19.
 Coring device, Wool. G. C. Le Compte and W. Salkind. 2,492,158, Dec. 27.
 Coring machine, Pimento. W. N. Buckner. 2,482,837, Sept. 27.
 Coring mechanism, Tomato. T. M. Kane, Sr. 2,475,142, July 5.
 Corkboard insulation and the like, Making. B. R. Abbott. 2,490,766, Dec. 13.
 Cork compositions and their preparation. G. B. Cooke. 2,463,952, Mar. 8.
 Cork puller. J. H. Irving. 2,486,286, Oct. 25.
 Corn-clipping apparatus. E. P. Philkoff. 2,481,947, Sept. 13.
 Corncob holder. H. G. Barrett. 2,465,626, Mar. 29.
 Corn combine with sheller. B. M. Hyman. 2,484,999, Oct. 18.
 Corn, Cream style. R. Cover. 2,484,376, Oct. 11.
 Corn drier. O. J. Peterson. 2,483,324, Sept. 27.
 Corn fibers, Dewatering. K. I. L. Aspmann and J. W. O'Brien. 2,465,704, Mar. 29.
 Corn germ removal. P. A. Singer and H. J. Deobald. 2,459,548, Jan. 18.
 Corn harvester. Andrews, Norman F., and R. L. Dort, assignors to Deere & Company. Re. 23,083, Feb. 8.
 Corn husker with reciprocating clearer. J. E. Rinehart. 2,467,535, Apr. 19.
 Corn husking machine. W. R. Davies. 2,464,438, Mar. 15.
 Corn oil and corn protein, Recovering. H. H. Schopmeyer. 2,479,519, Aug. 16.
 Corn products. R. Cover. 2,484,375, Oct. 11.
 Corn products, Manufacture of. D. W. Hansen. 2,472,971, June 14.
 Corn steepwater, Treatment of. W. W. Moyer. 2,477,763, Aug. 2.
 Corn syrup, Extra sweet. W. R. Fetzer and J. W. Evans. 2,487,121, Nov. 8.
 Corneal trephine. R. T. Paton. 2,473,968, June 21.
 Corner construction. H. A. Kaufmann. 2,464,514, Mar. 15.
 Corner construction. R. Klomparsens. 2,470,403, May 17.
 Corner wall lamp. J. Lerman. 2,469,072, May 3.
 Cornice mold. W. R. Mathis. 2,464,705, Mar. 15.
 Corona measurement. R. W. Stolzenbach. 2,462,919, Mar. 1.
 Corporation stop. L. W. Mueller, W. J. Bowan, and W. E. Gould. 2,481,142, Sept. 6.
 Corrected means for removing beetroot tops, Automatically. J. Moreau. 2,468,994, May 3.
 Correcting negatives. E. Devores. 2,484,019, Oct. 11.
 Correction device, Electrolytic water. J. M. Bialosky. 2,489,739, Nov. 29.
 Correction device for camera view finders, Parallax. O. Wittel. 2,484,441, Oct. 11.
 Correction device for electron lenses. J. Hillier. 2,469,165, May 3.
 Correction device for electronic function generators. M. L. Greenough. 2,458,700, Jan. 11.
 Correction system, Compass. T. O. McCarthy. 2,475,627, July 12.
 Corrector, Short round. L. F. Young. 2,478,219, Aug. 9.
 Corrosion in wells, Suppressing. P. S. Viles and E. Q. Camp. 2,477,321, July 26.
 Corrosion inhibiting composition. K. F. Schiermeier and W. E. Heinz. 2,482,517, Sept. 20.
 Corrosion inhibiting process. H. C. Hetherington. 2,462,638, Feb. 22.
 Corrosion inhibitor. H. G. Smith, T. L. Cantrell, and W. L. McClintock, Jr. 2,491,222, Dec. 13.
 Corrosion inhibitors. J. A. Elder, Jr. 2,478,755-6, Aug. 9.
 Corrosion of metallic surfaces, Prevention of. C. O. Meyers. 2,487,578, Nov. 8.
 Corrosion preventing composition and applying. L. C. Morris. 2,479,782, Aug. 23.
 Corrosion preventing device, Self-energizing electrolyte. U. J. Brown. 2,468,357, Apr. 26.
 Corrosion prevention. H. A. Lockwood. 2,465,163, Mar. 22.
 Corrosion prevention. L. G. Nunn, Jr. 2,485,309, Oct. 18.
 Corrosion prevention. C. M. Osterheld. 2,490,978, Dec. 13.
 Corrosion preventive composition. K. F. Schiermeier. 2,485,321, Oct. 18.
 Corrosion products from surfaces containing heavy metals, Removing. C. Rossi. 2,472,684, June 7.
 Corrosion resistance of ferrous metals, Method of and material for increasing the. E. Snyder. 2,471,907, May 31.
 Corrosion resistant alloy. R. W. Thomas. 2,482,382, Sept. 20.
 Corrosion-resisting lubricating compositions. F. J. Glavis and H. T. Neher. 2,485,376, Oct. 18.
 Corrosive action of Friedel-Crafts type catalysts, Reduction of. G. H. Miller. 2,468,831, May 3.
 Corrugated tube. A. Dreyer. 2,490,513, Dec. 6.
 Corset accessory. A. M. Root and R. S. Hawkins. 2,462,996, Mar. 1.
 Corset and wearing apparel of a similar character. S. Levy. 2,458,279, Jan. 4.
 Corset attachment. J. L. Holt. 2,472,974, June 14.
 Corset, Form of. W. Namegah. 2,472,982, June 14.
 Corset, Four-part. V. Giegerich. 2,466,941, Apr. 12.
 Corset stay. J. L. Gowen. 2,469,722, May 10.
 Corset, Three-part. V. Giegerich. 2,466,940, Apr. 12.
 Corsetry. L. P. Keller. 2,490,137, Dec. 6.
 Cosmetic blend predetermining device. J. Brodeur. 2,462,606, Feb. 22.
 Cosmetic cake product. H. Sharlit. 2,465,340, Mar. 29.
 Cosmetic device. M. G. and F. E. Batton. 2,477,921, Aug. 2.
 Cosmetic holder. H. Zuckerman. 2,491,241, Dec. 13.
 Cosmetic receptacle. M. Dulberg. 2,458,063, Jan. 4.
 Cot and making same, Finger. J. C. Finegan. 2,461,970, Feb. 15.
 Cot, Finger. E. W. Beatty. 2,461,872, Feb. 15.
 Cot, Finger. W. Meyer. 2,462,208, Feb. 22.
 Cot, Foldable. P. Sproll. 2,462,685, Feb. 22.
 Cot, Folding. H. V. Dean. 2,468,253, Apr. 26.
 Cot, Protective. S. J. Krannak. 2,474,535, June 28.
 Cot, Spinning. E. L. Luaces. 2,467,213-14, Apr. 12.
 Cot structure panel, Adjustable and collapsible. R. R. Freund. 2,480,460, Aug. 30.
 Cotton and other textile fibers, Method and machine for combing. F. Raubitschek. 2,458,732, Jan. 11.
 Cotton gin and lint cleaner, Combined. A. L. Smith. 2,489,827, Nov. 29.
 Cotton harvester, Reciprocating spindle type. L. M. Sperry. 2,484,319, Oct. 11.
 Cotton picker. L. W. Gant. 2,462,177, Feb. 22.
 Cotton, Picking. A. R. Nisbet, Sr. 2,484,524, Oct. 11.
 Cotton picking apparatus. P. W. Spell. 2,471,842, May 31.
 Cotton-picking machine. J. D. Rust. 2,482,216, Sept. 20.
 Cotton picking machine. M. D. Rust. 2,466,969, Apr. 12.
 Cotton-picking unit. S. A. Townsend. 2,475,531, July 5.
 Cottonseed meal Production of. R. P. Hutchins and W. H. Williamson. 2,484,831, Oct. 18.
 Cotton treated with a cation active amine. P. H. Schlosser and K. R. Gray. 2,481,692, Sept. 13.
 Couch frame. F. J. Schultheis. 2,470,525, May 17.
 Counter. M. L. Nelson. 2,465,258, Mar. 22.
 Counter actuating and resetting mechanism. W. Leathers. 2,469,655, May 10.
 Counter-actuating mechanism. M. L. Nelson. 2,487,469, Nov. 8.
 Counter, Angle. C. W. Brigham. 2,463,594, Mar. 8.
 Counterbalance means for oven doors. N. T. Almquist. 2,492,084, Dec. 20.
 Counterbalancing apparatus. W. C. Ewaldson. 2,472,151, June 7.
 Counterbore. W. Van Benschoten. 2,485,077, Oct. 18.
 Counterboring device. T. M. Bondhus. 2,469,543, May 10.
 Counterboring tool. K. P. Chamberlain. 2,492,783, Dec. 27.
 Counter, Capsule. R. W. Williams. 2,492,081, Dec. 20.
 Counter construction. F. C. Kuenzie. 2,489,493, Nov. 29.
 Counter for measuring instruments, Multiple tariff. R. Pudenko and P. Moos. 2,461,081, Feb. 8.
 Counter, Game. G. S. Castner. 2,475,695, July 12.
 Counter, Geiger. L. Goldstein. 2,485,586, Oct. 25.
 Counter, Geiger-Muller. J. Bleeksma. 2,479,201, Aug. 16.
 Counter mechanism. H. J. Mumma. 2,484,113, Oct. 11.
 Counter mechanism, Adding and subtracting indicating. W. A. Kennedy. 2,468,334, Apr. 26.
 Counter, Produce. J. P. Tully. 2,474,130, June 21.
 Counter, Shallow plane proportional. R. W. Thompson. 2,485,516, Oct. 18.
 Countersinking tool. R. E. Bayless. 2,482,535, Sept. 20.
 Counter structure, Geiger. H. Friedman. 2,475,603, July 12.
 Counters, Bromine. S. H. Liebson. 2,474,851, July 5.
 Counting apparatus. M. L. Nelson. 2,487,265, Nov. 8.
 Counting apparatus. L. Rosen. 2,468,112, Apr. 26.
 Counting device, Article. L. G. Spraker. 2,485,328, Oct. 18.
 Counting device, Coin. L. T. Miconi. 2,487,164, Nov. 8.
 Counting device, Electromagnetic. J. L. Bellamy. Re. 23,089, Mar. 15.

- Counting device, Electromagnetic. J. I. Bellamy. 2,487,015, Nov. 1.
- Counting device, Photoelectric. T. K. Rikken. 2,481,347, Sept. 6.
- Counting machine. F. B. Clark. 2,486,117, Oct. 25.
- Counting machine for laundry articles. F. B. Clark. 2,486,118, Oct. 25.
- Counting machine for tablets and the like. L. A. Boylan. 2,479,667, Aug. 23.
- Counting mechanism. O. Edler. 2,479,482, Aug. 16.
- Counting mechanism. L. Namenyi-Katz. 2,474,156, June 21.
- Counting scale, Three-bucket. M. Thorsson. 2,484,324, Oct. 11.
- Counting system, Electronic. W. P. Overbeck. 2,470,716, May 17.
- Counting tube transfer circuit. H. T. Lyman, Jr. 2,473,159, June 14.
- Coumarone-indene resin stabilized with an alkyl polyhydroxy spiro indane. S. G. Burroughs. 2,462,608, Feb. 22.
- Coupler. F. H. Kayler. 2,467,317, Apr. 12.
- Coupler. E. P. Kinne. 2,482,005, Sept. 13.
- Coupler and terminal block. R. S. Thacker. 2,463,826, Mar. 8.
- Coupler, Automatic air and steam. L. R. Maltbie. 2,465,025, Mar. 22.
- Coupler between contiguous ends of aligned wave guide sections, Ultra high frequency. E. C. Okress and A. H. Laidig. 2,473,724, June 21.
- Coupler, Directional. E. M. Purcell. 2,478,317, Aug. 9.
- Coupler for supporting cameras on tripods, Universal. H. J. Axtell. 2,459,676, Jan. 18.
- Coupler hook. D. S. Weiss. 2,491,143, Dec. 13.
- Coupler, Hose. G. H. Palm. 2,478,052, Aug. 2.
- Coupler, Hydraulic. T. A. Campbell and E. G. Stock. 2,486,113, Oct. 25.
- Coupler, Irrigation pipe. J. R. Chapin. 2,465,708, Mar. 29.
- Coupler lock. R. E. McGahey. 2,482,019, Sept. 13.
- Coupler mechanism for railway vehicles. P. F. Paig and P. M. Volk. 2,466,860, Apr. 12.
- Coupler, Pipe. G. C. Keliher and C. Elsasser. 2,490,907, Dec. 13.
- Coupler, Tight lock car. H. E. Van Dorn. 2,485,337-8, Oct. 18.
- Coupler, Track. P. A. Sturtevant. 2,483,741, Oct. 4.
- Coupler, Tractor. S. W. Gordon. 2,458,259, Jan. 4.
- Coupler, Tractor. C. and L. E. Weldon. 2,464,424, Mar. 15.
- Coupler, Train line. J. Van Vulpen. 2,491,627, Dec. 20.
- Coupler, Tubing. I. G. Rambo. 2,473,388, June 14.
- Coupler, Wave-signal directional. D. F. Bowman. 2,486,818, Nov. 1.
- Couplers, Polymeric color. C. D. Wilson. 2,463,838, Mar. 8.
- Coupling: See—
- Adapter coupling.
- Adjustable power coupling.
- Automatic coupling.
- Ball-and-socket vehicle coupling.
- Bicycle trailer coupling.
- Brake coupling.
- Conduit coupling.
- Cylinder coupling.
- Detachable and adjustable pipe coupling.
- Detachable coupling.
- Detachable pipe coupling.
- Distributor coupling.
- Dual grip contractible hose coupling.
- Eddy-current coupling.
- Emergency repair coupling.
- Engine accessory drive coupling.
- Flareless tube coupling.
- Flexible coupling.
- Flexible hose coupling.
- Flexible locking coupling.
- Flexible shaft coupling.
- Fluid coupling.
- Four-piece hose coupling.
- High-frequency inductive coupling.
- Hose coupling.
- Hydraulic coupling.
- Hydrodynamic coupling.
- Impulse coupling.
- Leakproof coupling.
- Locked coupling.
- Magnetic coupling.
- Permanent magnet field coupling.
- Pin-type coupling.
- Pipe and cable coupling.
- Pipe coupling.
- Pump coupling.
- Quick-action coupling.
- Coupling. N. L. Chatham. 2,465,197, Mar. 22.
- Coupling. E. Donaldson and W. J. Johnson. 2,464,381, Mar. 15.
- Coupling. V. P. Donner. 2,477,969, Aug. 2.
- Coupling. E. N. Doubrava. 2,458,899, Jan. 11.
- Coupling. C. E. Earle and C. A. Covington. Re. 23,120, June 14.
- Coupling. C. E. Earle and C. A. Covington. 2,463,253, Mar. 1.
- Coupling. W. C. Iftiger, Sr. 2,463,179, Mar. 1.
- Coupling. W. C. Iftiger, Sr. 2,467,036, Apr. 12.
- Coupling. J. T. Krapp. 2,478,586, Aug. 9.
- Coupling. F. D. Mahoney. 2,458,714, Jan. 11.
- Coupling. B. A. Main, Jr., and M. W. Brandau. 2,485,006, Oct. 18.
- Coupling. D. W. Main. 2,458,088, Jan. 4.
- Coupling. H. Maund and H. Reiter. 2,464,332, Mar. 15.
- Coupling. C. E. Meyerhoefer. 2,457,908, Jan. 4.
- Coupling. F. D. Reeg. 2,478,056, Aug. 2.
- Coupling. A. A. Rood. 2,479,702, Aug. 23.
- Coupling. F. C. Sawatzki. 2,458,209, Jan. 4.
- Coupling. A. T. Scheiwer. 2,461,699, Feb. 15.
- Coupling. A. T. Scheiwer. 2,473,973, June 21.
- Coupling. N. B. Shaber. 2,475,057, July 5.
- Coupling. J. Smisko and S. H. Zeeb. 2,463,326, Mar. 1.
- Coupling. J. P. Weatherhead. 2,463,336, Mar. 1.
- Coupling. E. D. Williams. 2,476,172, July 12.
- Coupling. C. E. Yost. 2,480,174, Aug. 30.
- Coupling. S. H. Zeeb. 2,461,863, Feb. 15.
- Coupling. S. H. Zeeb. 2,491,406, Dec. 13.
- Coupling and baffle means therefor, Rotary fluid. L. E. La Brie. 2,487,250, Nov. 8.
- Coupling and overload cam operated device, Combination. H. M. Stephenson. 2,461,298, Feb. 8.
- Coupling apparatus. A. H. Kirksey. 2,480,413, Aug. 30.
- Coupling arrangement, Constant resistance. H. A. Wheeler. 2,475,344, July 5.
- Coupling arrangement for ultra high frequency circuits. E. O. Willoughby. 2,468,151, Apr. 26.
- Coupling bearing. F. S. Keahey. 2,475,393, July 5.
- Coupling between transmitter and wave guide system. W. G. Tuller. 2,473,834, June 21.
- Coupling circuits, Wide band amplifier. F. H. McIntosh. 2,477,074, July 26.
- Coupling cooling. J. C. Busquet. 2,474,615, June 28.
- Coupling device. E. J. Baumgardner. 2,461,024, Feb. 8.
- Coupling device. P. J. Burchett. 2,466,576, Apr. 5.
- Coupling device. E. T. Johnson. 2,467,530, Apr. 19.
- Coupling device. R. E. Ruskin. 2,468,114, Apr. 26.
- Coupling device, Adjustable. A. E. Dowell, III. 2,482,471, Sept. 20.
- Coupling device, Auxiliary car. W. J. Metzger. 2,490,453, Dec. 6.
- Coupling device, Disconnectible. N. B. Murphy. 2,470,317, May 17.
- Coupling device, Electromagnetic. L. B. Perkins. 2,465,602, Mar. 29.
- Coupling device for detachably securing sunshades, filter holders, and like accessories to the lens barrels of cameras. H. Nagel. 2,472,307, June 7.
- Coupling device for flexible conduits. R. J. Horton and H. F. Bryane. 2,475,322, July 5.
- Coupling device, Permeability tuned high-frequency. J. B. Rudd and J. F. Allen. 2,483,596, Oct. 4.
- Coupling device, Radio-frequency. W. R. Rambo. 2,489,433, Nov. 29.
- Coupling device, Snap action. F. J. Trainor. 2,468,847-8, May 3.
- Coupling device, Variable. O. D. Davis. 2,483,994, Oct. 4.
- Coupling feeler, Flexible sewer rod. R. E. Cooper. 2,471,060, May 24.
- Coupling for beaded pipes or tubings. R. E. Risley. 2,460,032, Jan. 25.
- Coupling for brittle pipes. J. H. Krooss. 2,473,102, June 14.
- Coupling for flareless tubes. J. N. Wolfram. 2,466,527, Apr. 5.
- Coupling for flareless tubes. J. N. Wolfram. 2,473,119, June 14.
- Coupling for flexible hose. A. A. Burckle. 2,481,001, Sept. 6.
- Coupling for flexible metal hose. S. Guarnaschelli. 2,490,686, Dec. 6.
- Coupling for fluid conducting lines, Valved. H. C. Krone and W. Meyer. 2,462,512, Feb. 22.
- Coupling for hoses and the like. J. A. Jensen. 2,460,352, Feb. 1.
- Coupling for overhead irrigation pipes. E. D. Gage. 2,477,592, Aug. 2.
- Coupling for pipe conduits. A. E. Welin-Berger. 2,481,376, Sept. 6.
- Coupling for pipe sections. W. H. Stout. 2,464,466, Mar. 15.
- Coupling for piping. J. Muller. 2,474,319, June 28.
- Coupling for round pipes and tubes. F. E. Cox. 2,459,872, Jan. 25.
- Coupling for rubber, fabric, and like hoses. C. C. S. Le Clair. 2,479,499, Aug. 16.
- Coupling for shafts, Resilient. A. J. Hirst. 2,491,734, Dec. 20.
- Coupling for suction cleaners, Bag. W. L. Sheppard. 2,460,851, Feb. 8.
- Coupling for suction cleaners, Quickly detachable. R. C. Osborn. 2,487,470, Nov. 8.
- Coupling for tractor and semi-trailer units or the like. A. G. Talbert. 2,489,112, Nov. 22.
- Quick detachable coupling.
- Quick disconnect coupling.
- Reattachable gasoline hose coupling.
- Release coupling.
- Reversible hydraulic coupling.
- Rotary differential hydraulic coupling.
- Rotary turbine type fluid coupling.
- Safety coupling.
- Sanitary swivel coupling.
- Scoop controlled fluid coupling.
- Screw clamp cable coupling.
- Sealed coupling.
- Self-sealing coupling.
- Self-sealing releasable coupling.
- Separable fluid coupling.
- Shaft coupling.
- Stovepipe and chimney coupling.
- Suspender back coupling.
- Swivel coupling.
- Threadless pipe coupling.
- Tractor-trailer drive coupling.
- Tractor trailer electrical coupling.
- Tractor-trailer road vehicle coupling.
- Trailer coupling.
- Tube coupling.
- Turbine pump type hydraulic coupling.
- Ultra high frequency coupling.
- Universal coupling.
- Valve coupling.
- Vehicle coupling.
- Wabbler coupling.
- Welded coupling.

- Coupling for tractor or trailer vehicles. R. M. and L. D. Cutsinger. 2,467,816, Apr. 19.
- Coupling for tractors and semitrailers. C. G. Seyferth. 2,469,279, May 3.
- Coupling for tubes. W. Maky. 2,470,508, May 17.
- Coupling for tubes. A. L. Parker. 2,458,874, Jan. 11.
- Coupling for tubes. A. L. Parker. 2,463,196, Mar. 1.
- Coupling for tubes. J. N. Wolfram. 2,458,817, Jan. 11.
- Coupling for tubes. J. N. Wolfram. 2,459,608-9, Jan. 18.
- Coupling for tubes. J. N. Wolfram. 2,466,526, Apr. 5.
- Coupling for tubes. J. N. Wolfram. 2,473,118, June 14.
- Coupling for tubes. J. N. Wolfram. 2,473,120, June 14.
- Coupling for tubes. J. N. Wolfram and E. C. Hartley. 2,473,149, Aug. 2.
- Coupling for tubing, Antivibration. F. Jacobson. 2,463,625, Mar. 8.
- Coupling for water hose and the like. W. C. MacKenzie. 2,458,477, Jan. 4.
- Coupling for well casings, Release. E. C. McManaway. 2,465,027, Mar. 22.
- Coupling means. L. M. Stinchcomb and R. S. Doerr. 2,460,110, Jan. 25.
- Coupling mechanism. D. B. Chalmers. 2,477,476, July 26.
- Coupling mechanism for connecting the rear of a tractor mounted power plant to a trailer. L. Dufour. 2,475,825, July 12.
- Coupling mechanism, Towing vehicle. S. C. Fons. 2,491,963, Dec. 20.
- Coupling member, Turnable. G. V. Woodling. 2,477,676-7, Aug. 2.
- Coupling of aromatic hydroxy compounds. F. H. Seubold, Jr., F. F. Rust, and W. E. Vaughan. 2,490,282, Dec. 6.
- Coupling of the ball-and-socket type. H. B. Scholten. 2,470,870, May 24.
- Coupling of the longitudinally split, tapered sleeve type, Shaft-pulley. M. F. Dunne. 2,482,662, Sept. 20.
- Coupling of the longitudinally split, tapered sleeve type, Shaft-pulley. M. F. Dunne. 2,487,225, Nov. 8.
- Coupling pin. G. Hagen. 2,482,907, Sept. 27.
- Coupling pipe. H. O. Guenther. 2,473,283, June 14.
- Coupling rod bearing. F. S. Keahey. 2,478,660, Aug. 9.
- Coupling system for wave guides. K. A. Young. 2,474,137, June 21.
- Coupling system, Ultra high frequency. G. L. Hollingsworth and N. A. Schuster. 2,476,732, July 19.
- Coupling with lockup clutch, Fluid. E. R. Maurer and J. D. Caton. 2,466,721, Apr. 12.
- Coupling with unitary die cast vane structure, Fluid. E. A. Weiss. 2,473,185, June 14.
- Court, Horseshoe pitching. L. L. Bouchard. 2,476,532, July 19.
- Cover: See—
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| Baby diaper cover. | Portable radio cover. |
| Boat cover. | Power operated hatch cover. |
| Brush cover. | Radiator cover. |
| Convertible top cover. | Reversible ironing board cover. |
| Dampening roller cover. | Seismometer case cover. |
| Dispensing drum cover. | Slip cover. |
| Display box easel cover. | Steering wheel cover. |
| Finishing roll cover. | Suction box cover. |
| Furniture slip cover. | Toilet seat cover. |
| Hatch cover. | Utility cover. |
| Inspection cover. | Vapor discharging frying pan cover. |
| Insulating cover. | Vehicle wheel cover. |
| Key cover. | Wheel cover. |
| Milk pail cover. | |
| Mixing bowl cover. | |
| Motor vehicle cover. | |
| Ornamental wheel cover. | |
- Cover and iron pad or pad holder, Combined ironing board. F. Galbraith. 2,458,698, Jan. 11.
- Cover and mounting therefor. R. H. Zinkl, E. A. Fredrickson, and J. R. Turek. 2,466,652, Apr. 5.
- Cover and warp brush, Drop wire. J. S. Denney. 2,491,092, Dec. 13.
- Cover canvas connection, Truck. P. F. Tuerk. 2,479,280, Aug. 16.
- Cover cloth for clothes pressing machines. E. A. Rich. 2,473,906, June 21.
- Cover construction, Pressure cooker. B. M. Yankovitch. 2,491,144, Dec. 13.
- Cover for automobile seats, Plastic. G. A. Lyon. 2,459,889, Jan. 25.
- Cover for automobile visors. J. M. and M. S. Axford. 2,486,096, Oct. 25.
- Cover for bread toasters, Nonmetallic. A. C. Goddard. 2,476,142, July 12.
- Cover for calculating machines and the like. R. E. Boyden and G. G. Alton. 2,492,262, Dec. 27.
- Cover for canasta games, Card table. H. Fox. 2,491,894, Dec. 20.
- Cover for covered hopper cars, Hatch. A. E. Tipton. 2,487,993, Nov. 15.
- Cover for crucible furnaces. F. South, Jr. 2,465,822, Mar. 29.
- Cover for handbags. M. E. Rohr and J. S. Thornhill. 2,479,263, Aug. 16.
- Cover for hand luggage. J. Sackstein. 2,487,596, Nov. 8.
- Cover for hearing aid earphones, Ornamental. M. B. Davenport. 2,477,046, July 26.
- Cover for hood-type furnaces, Inner. H. H. Armstrong. 2,485,995, Oct. 25.
- Cover for innersoles for shoes, Removable. S. C. Butler. 2,478,039, Aug. 2.
- Cover for musical instruments, Mouthpiece. G. Shaw, S. F. Marino, and D. Shaw. 2,468,467, Apr. 26.
- Cover for open tissue roll holders. R. I. Price. 2,462,776, Feb. 22.
- Cover for pressure cookers, Protective. G. Boener. 2,490,250, Dec. 6.
- Cover for seat cushions, Slip. I. A. Evans. 2,460,928, Feb. 8.
- Cover for telephone desk sets, Decorative. C. H. and M. E. Allen. 2,473,775, June 21.
- Cover for telephone handpieces, Decorative. C. H. and M. E. Allen. 2,475,303, July 5.
- Cover for telephone receivers, One-piece. A. Levitt. 2,489,425, Nov. 29.
- Cover for the outlet ends of exhaust pipes of internal-combustion engines. W. Wallace. 2,463,662, Mar. 8.
- Cover glass for light signals. W. B. Wells. 2,484,136, Oct. 11.
- Cover holder. T. P. Stone. 2,462,688, Feb. 22.
- Cover lifter. W. W. Guffey, J. P. Mihellic, H. V. Piper, and T. Engstrom. 2,462,387, Feb. 22.
- Cover means for vegetables and other plants. J. F. Stevenson. 2,472,630, June 7.
- Cover means for vehicle hoists, Floor pit. E. B. Thompson. 2,464,731, Mar. 15.
- Cover or jacket, Book. R. J. Williams. 2,475,345, July 5.
- Cover remover, Bottle cap or jar. R. A. Mitchell. 2,464,646, Mar. 15.
- Cover, Tractor seat. W. F. Moss. 2,483,223, Sept. 27.
- Covering a wire having interstices therein. J. E. Flood. 2,479,919, Aug. 23.
- Covering and making the same, Insulating tubular. C. A. de Vyver. 2,459,688, Jan. 18.
- Covering and writing accessory, Combined head. F. Schlesinger. 2,490,654, Dec. 6.
- Covering for electrical conductors, Protective. B. G. Maguire. 2,491,823, Dec. 20.
- Covering, Electrically heated ice-removing. A. M. LaRue. 2,487,658, Nov. 8.
- Covering, Floor and wall. W. Stubblebine. 2,457,848, Jan. 4.
- Covering for aircraft parts, Sheet. F. Nagel. 2,471,768, May 31.
- Covering for repair material, Metal foil. E. Nassimbene. 2,486,669, Nov. 1.
- Covering, Hand. C. H. Woodbury and G. F. Brooks. 2,459,985, Jan. 25.
- Covering, Hard surface wall and floor. W. Stubblebine. 2,491,530, Dec. 20.
- Covering, Infant's bed. F. Mallette. 2,461,749, Feb. 15.
- Covering, Lady's head. A. van Schrenk. 2,469,250, May 3.
- Covering, Removable floor or wall. S. G. Trepp. 2,458,750, Jan. 11.
- Covering, Sanitary pillow. C. Hampton. 2,460,452, Feb. 1.
- Covers, Making thermoplastic. S. H. Magid. 2,490,451, Dec. 6.
- Cowl fastener. L. A. Powell. 2,479,402, Aug. 16.
- Crab trap. W. J. Buford. 2,489,856, Nov. 29.
- Crab trap. L. L. Ruiz. 2,473,910, June 21.
- Cracking catalyst. R. E. Schexnaider, Jr., and E. A. Hunter. 2,472,834, June 14.
- Cracking hydrocarbons in the presence of fluoroborate catalyst. M. C. Hughes and S. M. Darling. 2,466,706, Apr. 12.
- Cracking machine, Cereal grain. J. W. Thomas. 2,472,780, June 7.
- Cracking of a hydrocarbon oil, Noncatalytic. J. W. Loy. 2,460,463, Feb. 1.
- Cracking with a contact mass. J. A. Crowley, Jr. 2,466,005, Apr. 5.
- Cracking machine with spaced, corrugated rollers, Fruit pit. R. T. Collier. 2,481,201, Sept. 6.
- Cracking process for the production of olefins from hydrocarbons. L. P. Evans. 2,489,628, Nov. 29.
- Cradle and perambulator, Combination. H. B. Light. 2,461,609, Feb. 15.
- Cradle, Drum. W. A. Williams. 2,477,278, July 26.
- Cradle for flat batteries. C. G. Nelson. 2,478,887, Aug. 9.
- Cradle for flatcars. A. L. Cupp. 2,480,121, Aug. 30.
- Cradle for grinding machines, Work supporting. F. P. Healy. 2,484,708, Oct. 11.
- Cradle for telephone handsets, Shoulder hook. H. H. Reneker. 2,476,221, July 12.
- Cradle, Live bait. T. B. Finlay and S. A. Laneri. 2,463,369, Mar. 1.
- Cradle, Power-operated. B. S. Carruth. 2,482,318, Sept. 20.
- Cradle rocked by electricity, Baby. G. Yurkovich. 2,478,445, Aug. 9.
- Cradle, Wheel. W. B. Smith. 2,484,534, Oct. 11.
- Craft locating apparatus. R. J. Herbold. 2,489,221, Nov. 22.
- Craft with horizontal buoyant propeller drive, Water. A. Mayer. 2,488,310, Nov. 15.
- Crane, Adjustable drape. E. H. Pufahl. 2,479,778, Aug. 23.
- Crane, Drapery. H. Weber. 2,461,457, Feb. 8.
- Crane construction and apparatus. R. W. Spafford. 2,486,221, Oct. 25.
- Crane for loading trucks, Trailer. D. D. McDermott. 2,479,758, Aug. 23.

- Crane, Full circle boom. F. D. Wilson, J. Antos, and J. D. Benbow. 2,462,926, Mar. 1.
- Crane, Motor truck. R. C. Howell. 2,475,963, July 12.
- Crankcase oil heater. S. Beger. 2,470,972, May 24.
- Crankcase ventilator valve. C. N. Fousse and W. H. A. Krieg. 2,461,206, Feb. 8.
- Crank motion for steam engines and the like. C. Tisell. 2,480,273, Aug. 30.
- Crankpin replacement bearing construction. J. W. Heaston. 2,461,273, Feb. 8.
- Crankshaft and cam drive construction. A. Chilton. 2,475,011, July 5.
- Crankshaft and gearing, Internal-combustion engine. W. G. Lundquist. 2,479,245, Aug. 16.
- Crankshaft and gearing, Internal-combustion engine. V. T. Moore. 2,479,249, Aug. 16.
- Crankshaft and making same. H. L. Mueller. 2,472,261, June 7.
- Crankshaft bearing lubrication. E. F. Storey. 2,469,669, May 10.
- Crankshaft lathe. W. F. Groene, H. J. Siekmann, and W. R. Meyer. 2,470,304, May 17.
- Crankshaft lubrication. M. H. Frank. 2,489,527, Nov. 29.
- Crankless mechanism. T. L. Sherman. 2,475,295, July 5.
- Crate. P. D. Friday and T. H. Miller. 2,486,709, Nov. 1.
- Crate. W. L. Haas. 2,490,804, Dec. 13.
- Crate, Collapsible metal. A. R. Ferguson. 2,466,220, Apr. 5.
- Crate, Egg. E. H. Lupton. 2,460,020, Jan. 25.
- Crate having lifting means. C. A. Connolly. 2,472,939, June 14.
- Crate having sliding pivoted closure, Portable. R. R. Willis and L. L. Bayers. 2,478,883, Aug. 9.
- Cream dispenser. J. P. Jones. 2,459,130, Jan. 11.
- Cream*hair treating preparations. R. E. Reed, D. Tenenbaum, and M. Den Beste. 2,464,280, Mar. 15.
- Cream separator. L. G. Copeman. 2,477,863, Aug. 2.
- Crease resistance testing. L. Boor and L. A. Fluck. 2,479,503, Aug. 16.
- Creasing counters, Method of and apparatus for preparing. G. G. Messersmith. 2,458,867, Jan. 11.
- Creatine and creatinine as catalysts for polymerization of butadiene. W. D. Stewart. 2,460,606, Feb. 1.
- Creation of marbled patterns from semifluid substances. C. C. A. Reetz. 2,479,261, Aug. 16.
- Credenza and folding bed, Combined. H. Eramo, J. Marino, and A. T. Eramo. 2,484,377, Oct. 11.
- Creel. A. W. Keight, and F. F. Sutherland. 2,490,874, Dec. 13.
- Creel and spool for cut filling pile looms. O. D. Frost. 2,490,042, Dec. 6.
- Creel, Magazine. T. F. Suggs. 2,483,160, Sept. 27.
- Creeper, Garage. L. A. Williams. 2,475,266, July 5.
- Creeper, Repairman's. J. V. Happ. 2,487,706, Nov. 8.
- Creeper, Tire wheel. H. C. Schildmeier. 2,470,054, May 10.
- Crib and cradle with variable height mattress supporting frame, Combination. R. S. Davis. 2,486,466, Nov. 1.
- Crib bed, Portable. E. V. Schroeder. 2,486,067, Oct. 25.
- Crib bottom, Adjustable. E. E. Woller. 2,481,965, Sept. 13.
- Crib, Collapsible. M. Morse. 2,486,054, Oct. 25.
- Crib, Folding. A. F. Amelung. 2,486,093, Oct. 25.
- Crib, Folding. E. R. Churchwell. 2,487,636, Nov. 8.
- Crib, Folding infant's. W. M. McClintock and C. N. and D. E. McCandless. 2,459,445, Jan. 18.
- Crib, having a movable partition, Child's. F. M. Hurst. 2,471,691, May 31.
- Crib wardrobe. C. A. Royston. 2,483,938, Oct. 4.
- Cribbage board. L. L. Colon. 2,482,247, Sept. 20.
- Crimping or pleating. B. J. Pilliner. 2,488,828, Nov. 22.
- Crochet hook. E. A. Doerr. 2,465,636, Mar. 29.
- Crossarm lathe wrench. L. E. Toye. 2,471,593, May 31.
- Crosshead for presses. L. W. Taylor. 2,485,022, Oct. 18.
- Cross strip, Antiskid. M. Hershman. 2,473,249, June 14.
- Cross-tie and cleat therefor. A. Rosenberg of Michael. 2,482,599, Sept. 20.
- Crossed leg pivoted back folding chair. I. Karish. 2,464,450, Mar. 15.
- Crossed leg serving stand. G. Duhmert. 2,468,547, Apr. 26.
- Crossing construction, Railroad-highway. E. C. Oxenrider. 2,471,167, May 24.
- Crucible. J. J. Ripich. 2,479,641, Aug. 23.
- Crucible and making crucibles. R. J. Anicetti. 2,472,456, June 7.
- Crucible, Melting and drawing. C. R. Stevens. 2,482,299, Sept. 20.
- Crucifix holder. J. W. Blume. 2,468,651, Apr. 26.
- Crude oil, Treatment of. R. L. Harris. 2,473,522, June 21.
- Cruller machine, Twisted. A. Kipnis. 2,463,112, Mar. 1.
- Crusher for cinders and the like. F. J. Straub. 2,479,523, Aug. 16.
- Crusher, Rock. A. E. Coryer. 2,485,362, Oct. 18.
- Crusher with displaceable shaft for relieving excessive crushing strains, Gyratory. S. W. Traylor, Jr. 2,481,261, Sept. 6.
- Crusher with lubricated dust seal, Gyratory. S. W. Traylor, Jr. 2,484,971, Oct. 18.
- Crusher with opposed toothed-apron feed, Single roll. E. H. Keiper. 2,464,774, Mar. 15.
- Crusher with pivotally adjustable chute and breaker plates, Reversible. A. W. Lemmon and O. R. Strawn. 2,482,279, Sept. 20.
- Crusher with pivoted feed chute, Reversible. L. K. Knight. 2,463,631, Mar. 8.
- Crusher with wedge secured bowl liner, Gyratory. A. L. Munro. 2,468,342, Apr. 26.
- Crushing and grinding machine. G. W. Rundle. 2,472,725, June 7.
- Crushing of separate streams of sized rock, Method of and apparatus for simultaneous impact. J. Bland. 2,468,321, Apr. 26.
- Crutch. W. R. Coie. 2,484,401, Oct. 11.
- Crutch. W. J. Yackley. 2,473,671, June 21.
- Crutch, Foldable. O. T. Schweppenheiser. 2,490,380, Dec. 6.
- Crutch, Folding. H. L. Gibson, Sr. 2,484,406, Oct. 11.
- Crutch tip. R. J. Chute and E. I. Peck. 2,492,916, Dec. 27.
- Cryptogram machine. L. F. Klink. 2,484,171, Oct. 11.
- Crystal. W. S. Erwin. 2,485,722, Oct. 25.
- Crystal and fabricating same. G. A. Argabrite and T. F. Burke. 2,489,393, Nov. 29.
- Crystal apparatus, Piezoelectric. W. L. Bond. 2,472,691, June 7.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,458,615, Jan. 11.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,460,520, Feb. 1.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,460,703-4, Feb. 1.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,472,715, June 7.
- Crystal apparatus, Piezoelectric. W. P. Mason. 2,472,753, June 7.
- Crystal apparatus, Piezoelectric. J. M. Wolfskill. 2,467,353, Apr. 12.
- Crystal contact. F. H. Brittain. 2,475,940, July 12.
- Crystal controlled frequency modulation system. W. M. A. Andersen. 2,458,760, Jan. 11.
- Crystal drier. J. M. Wolfskill. 2,461,489, Feb. 8.
- Crystal electrode. A. B. Miller. 2,487,165, Nov. 8.
- Crystal growing apparatus. C. J. Christensen and A. C. Walker. 2,459,869, Jan. 25.
- Crystal growing apparatus. A. N. Holden. 2,484,829, Oct. 18.
- Crystal holder. J. B. Adams, Jr. 2,484,004, Oct. 4.
- Crystal holder. W. E. Kuenstler. 2,464,046, Mar. 8.
- Crystal holder. H. E. Reeves. 2,488,781, Nov. 22.
- Crystal mounting. L. L. Dimmick. 2,482,661, Sept. 20.
- Crystal, Piezoelectric. W. C. Elmore and J. F. Marshall. 2,470,606, May 17.
- Crystal, Piezoelectric. H. Jaffe. 2,490,216, Dec. 6.
- Crystal plate, Piezoelectric. H. G. Baerwald. 2,485,129-32, Oct. 18.
- Crystal structures, Piezoelectric. K. K. Garrison. 2,474,241, June 28.
- Crystal unit, Piezoelectric. H. F. Fruth and R. J. Pierce. 2,458,987, Jan. 11.
- Crystal unit, Temperature compensated. H. M. Bach. 2,470,738, May 17.
- Crystal violet, Preparation of. G. S. Herrick. 2,461,896, Feb. 15.
- Crystalline anhydrous monocalcium phosphate, Manufacture of. W. H. Knox, Jr., R. T. Cochran, W. R. Crupud, and W. S. Miller. 2,462,104, Feb. 22.
- Crystalline dihydroxy phenols. H. L. Bender, A. G. Farnham, and J. W. Guyer. 2,464,207, Mar. 15.
- Crystalline sodium penicillin, Obtaining a. O. Wintersteiner and H. B. MacPhillamy. 2,461,949, Feb. 15.
- Crystalline vinylidene chloride polymer tubing whose walls do not cohere, Manufacture of. K. G. Francis. 2,476,140, July 12.
- Crystallizer. J. W. Stafford. 2,458,440, Jan. 4.
- Crystallizing super-cooled water droplets. F. W. van Straten and W. A. Van Allen. 2,480,275, Aug. 30.
- Crystals, Finishing piezoelectric. H. M. Bach. 2,470,737, May 17.
- Crystals, Growing. E. J. Malone. 2,472,303, June 7.
- Crystals, Production of piezoelectric. J. M. Wolfskill. 2,479,286, Aug. 16.
- Cube machine, Ice. R. D. Van Vleck. 2,466,831, Apr. 12.
- Cuff button for sewed-on button type of cuff. R. T. Stafford. 2,490,383, Dec. 6.
- Cuff for trousers. M. Wilkenfeld. 2,480,276, Aug. 30.
- Cuff, French. R. O. Kennedy. 2,482,671, Sept. 20.
- Cuff link. S. H. Peterson. 2,476,562, July 19.
- Cuff link. B. J. Strauss. 2,488,102, Nov. 15.
- Cuff link, Magnetic. H. Avedon. 2,483,031, Sept. 27.
- Cuff or fairing for blades, Variable pitch. G. A. Dean. 2,478,252, Aug. 9.
- Cuff, Two-way. H. I. Silman. 2,478,669, Aug. 9.
- Cultivator. A. J. Le Blanc. 2,483,649, Oct. 4.
- Cultivator, Field. W. A. Hyland. 2,462,641, Feb. 22.
- Cultivator, Flame. P. C. McLemore. 2,487,353, Nov. 8.
- Cultivator, Grapevine. F. A. Fulgham. 2,489,633, Nov. 29.
- Cultivator, Quick demountable. T. W. Johnson. Re. 23,154, Oct. 11.
- Culvert forming machine. M. L. Eckman. 2,462,038, Feb. 15.
- Cup, Adjustable measuring. E. V. Gruben. 2,479,007, Aug. 16.
- Cup dispenser. E. J. Lime. 2,489,096, Nov. 22.
- Cup for cleaning drainpipes and the like, Force. E. L. Scott. 2,473,452, June 14.

- Cup for mink or other panned animals, Drinking. L. F. Jonas. 2,471,527, May 31.
- Cup forming machine. C. J. Coppola. 2,468,616, Apr. 26.
- Cup having a pouring lip extending outwardly from side-wall, Paper. K. C. Hamilton. 2,459,073, Jan. 11.
- Cup, Ice-cream. A. A. Heyman. 2,462,497, Feb. 22.
- Cup, Indoor practice putting. L. H. Gerding. 2,460,080, Jan. 25.
- Cup, Measuring. W. W. Jennings. 2,478,272, Aug. 9.
- Cup positioning apparatus. A. A. Quimper. 2,472,921, June 14.
- Cup, Strip. C. A. Thomas. 2,467,949, Apr. 19.
- Cup, Teat. L. Dinesen. 2,484,696, Oct. 11.
- Cup, Teat. H. O. Lindgren. 2,473,379, June 14.
- Cup, Teat. A. C. Weiby. 2,462,583, Feb. 22.
- Cup washer. L. E. La Brie. 2,459,562, Jan. 18.
- Cup with rounded bottom, Conical paper. W. E. Amberg. 2,473,840, June 21.
- Cupola control and charging apparatus. R. M. Downey. 2,479,607, Aug. 23.
- Cupping machine, Automatic. W. L. McNamara and F. Z. Fouse. 2,464,335, Mar. 15.
- Cuprous hydroxide and cuprous oxide, Production of. P. J. Rowe. 2,474,497, June 28.
- Cuprous naphthenate in the treatment of petroleum oil, Production of. C. O. Hoover. 2,472,253, June 7.
- Cuprous oxide, Preparation of. L. C. Klein. 2,474,533, June 28.
- Curb signal switch. A. C. DeChant and F. C. Jachetta. 2,487,922, Nov. 15.
- Curb-type bridle bit. A. N. Johnson. 2,488,977, Nov. 22.
- Curbing signal. F. J. Aves. 2,464,365, Mar. 15.
- Curd treating apparatus. E. C. Damrow. 2,488,053, Nov. 15.
- Cure of copolymers, Acceleration of the. R. R. Harris. 2,467,527, Apr. 19.
- Cured polymers, Stabilization of. B. S. Biggs. 2,475,002, July 5.
- Curer, Oil-burning tobacco. F. M. Chilton. 2,476,834, July 19.
- Curer, Tobacco. M. B. Collins. 2,478,460, Aug. 9.
- Curing bag. C. N. Spencer. 2,476,831, July 19.
- Curing bright-leaf tobacco. J. B. Moore. 2,475,568, July 5.
- Curing catalysts for aminoplasts. M. J. Scott. 2,466,744, Apr. 12.
- Curing catalysts for aminoplasts. M. J. Scott. 2,467,160, Apr. 12.
- Curl clip. L. I. Leon. 2,467,487, Apr. 19.
- Curl setting device. N. L. Solomon and A. E. Anderson. 2,464,739, Mar. 15.
- Curler and bobby pin fastener, Combination hair. F. Interrante. 2,492,642, Dec. 27.
- Curler and clamp. C. Chedister. 2,465,515, Mar. 29.
- Curler and waver, Combination. A. H. Rivard. 2,484,050, Oct. 11.
- Curler, Eyelash. W. R. Tuttle and W. J. Beldue. 2,460,317, Feb. 1.
- Curler, Eyelash. W. R. Tuttle and W. J. Beldue. 2,474,873, July 5.
- Curler, Hair. J. M. Beer. 2,491,845, Dec. 20.
- Curler, Hair. H. C. Curtis. 2,492,211, Dec. 27.
- Curler, Hair. F. L. Fain. 2,463,606, Mar. 8.
- Curler, Hair. B. W. Hendrickson. 2,492,636-7, Dec. 27.
- Curler, Hair. L. J. and M. R. Hall. 2,484,563, Oct. 11.
- Curler, Hair. L. Stallins. 2,463,821, Mar. 8.
- Curler, Hair. A. B. Vaughn. 2,473,115, June 14.
- Curler, Hair. A. Zachary. 2,482,052, Sept. 13.
- Curler, Ringlet. E. M. Schiller. 2,481,448, Sept. 6.
- Curling attachment for double seamers, Open end drum. W. H. White. 2,475,465, July 5.
- Curling device. Hair. E. E. King and D. P. Tata. 2,473,957, June 21.
- Curling stone. R. G. Stewart. 2,462,436, Feb. 22.
- Currency container. D. L. Moody and H. Renek. 2,470,362, May 17.
- Current control circuit. W. B. Martin and H. Talberth. 2,464,704, Mar. 15.
- Current converter, Moving contact electric. A. Goldstein. 2,465,682, Mar. 29.
- Current interrupting circuit. A. C. van Dorsten. 2,490,562, Dec. 6.
- Current interruption indicating means for electric clocks. W. J. Olie. 2,488,824, Nov. 22.
- Current machine, Alternating. L. C. Weathers. 2,490,181, Dec. 6.
- Current rectifier tube. M. Ponte. 2,467,695, Apr. 19.
- Current relay, Alternating. K. W. Graybill. 2,479,231, Aug. 16.
- Current supply apparatus. J. A. Potter. 2,469,176, May 3.
- Current supply apparatus, Regulated. D. E. Trucksees. 2,467,847, Apr. 12.
- Current supply system. A. L. Oulrk. 2,464,940, Mar. 22.
- Current transformer. J. G. Wellings. 2,476,787, July 19.
- Current-varying apparatus and terminal member. G. J. Mucher. 2,463,045, Mar. 1.
- Cursor, Slide rule. J. J. Smidl. Re. 23,127, June 21.
- Curtain and drape bar mounting means, Adjustable. D. Press. 2,484,855, Oct. 18.
- Curtain and shade hanger. H. R. Hodges. 2,463,271, Mar. 1.
- Curtain and shade rod holder. B. M. Wadkins. 2,481,802, Sept. 13.
- Curtain bracket. H. Palne. 2,485,406, Oct. 18.
- Curtain cord attachment clip. G. F. Nurenberg and C. M. Evans. 2,489,460, Nov. 29.
- Curtain hanger. M. M. McAvaney. 2,465,598, Mar. 29.
- Curtain hanger. G. B. Waddell. 2,464,909, Mar. 22.
- Curtain or drape assembly. J. A. Minarcik, Jr. 2,476,887, July 19.
- Curve reading apparatus, Spectrophotometric. G. B. Reimann. 2,469,129, May 3.
- Curtain rod bracket. F. W. Pittinger. 2,480,260, Aug. 30.
- Curtain rod bracket. T. Raudenkolb. 2,460,193, Jan. 25.
- Curtain rod structure, Traverse. F. L. Stutz. 2,486,224, Oct. 25.
- Curtain, Ruffle. F. S. Nichols. 2,472,956, June 14.
- Curtain support. D. Fallone. 2,461,417, Feb. 8.
- Curtain support for an article of furniture. J. A. Muench. 2,491,756, Dec. 20.
- Curve following device, Photoelectric. M. A. McLennan. 2,489,805, Nov. 29.
- Cushion. A. Rothery. 2,462,004, Feb. 15.
- Cushion assembly, Spring. L. H. Heuer. 2,464,037, Mar. 8.
- Cushion, Bathtub. J. C. Walsh. 2,483,077, Sept. 27.
- Cushion, Bench. L. J. Thompson. 2,473,312, June 14.
- Cushion construction, Spring. J. Lupanoff. 2,460,424, Feb. 1.
- Cushion, Convertible. A. W. Krempel. 2,462,269, Feb. 22.
- Cushion, Detachable seat. J. E. Horn. 2,470,929, May 24.
- Cushion, Detachable seat. J. E. Horn. 2,475,962, July 12.
- Cushion for carriage return levers. E. Miller. 2,475,979, July 12.
- Cushion head for stapling devices and the like. C. E. Hallen. 2,464,929, Mar. 22.
- Cushion material, Making laminated. G. W. Blair and V. H. Bodle. 2,480,316, Aug. 30.
- Cushion, multiple type, Seat. H. C. Flint. 2,459,755, Jan. 18.
- Cushion or back rest. F. J. Curran. 2,461,880, Feb. 15.
- Cushion or mattress unit. E. J. Wines. 2,474,768, June 28.
- Cushion, Roll-away. J. H. Duby and W. J. Sinnott. 2,467,468, Apr. 19.
- Cushion, Safety razor. W. P. MacMicking. 2,460,645, Feb. 1.
- Cushion, Seat. E. R. Hathaway. 2,485,443, Oct. 18.
- Cushion, Sliding die. R. E. Wissman. 2,488,047, Nov. 15.
- Cushion support. P. C. Roche. 2,460,596, Feb. 1.
- Cushion, Tension. G. P. Johnson. 2,468,558, Apr. 26.
- Cushion, Tractor seat. W. F. Moss. 2,483,222, Sept. 27.
- Cushion vehicle wheel. G. M. Brandon. 2,461,257, Feb. 8.
- Cushioning and vibration damping support. L. F. Thiry. 2,468,901, May 3.
- Cushioning device. A. F. O'Connor. 2,487,028, Nov. 1.
- Cushioning device for carriage slides of screw machines or the like. F. W. Slater. 2,467,276, Apr. 12.
- Cushioning device, Lateral motion. H. G. Miller and O. C. Peterson. 2,465,693, Mar. 29.
- Cushioning means for calculating machines, Carriage. H. Gang. 2,473,471, June 14.
- Cushioning means for engine starters. F. M. Wright. 2,458,458, Jan. 4.
- Cushioning or shock-absorbing means. S. H. Lanchner. 2,477,187, July 26.
- Cushioning support. L. F. Thiry. 2,462,011, Feb. 15.
- Cutoff device. Web. P. J. Christman. 2,478,240, Aug. 9.
- Cutoff for transformers, Automatic. R. H. Seaman. 2,463,812, Mar. 8.
- Cutoff gauge for saw tables. R. G. Garrett. 2,485,274, Oct. 18.
- Cutoff machine. A. B. Eastwood. 2,459,068, Jan. 11.
- Cutoff machine, Abrasive. H. G. Robinson. 2,465,399, Mar. 29.
- Cutoff mechanism. J. F. Peters. 2,484,854, Oct. 18.
- Cutoff device, Spark plug. T. C. Kasper and D. Hendry. 2,477,618, Aug. 2.
- Cutout, Electric. E. A. Berthier. 2,467,653, Apr. 19.
- Cutout, Electrical. C. A. Fox. 2,486,143, Oct. 25.
- Cutout for automotive engines, Safety. J. Mallr, Jr. 2,461,692, Feb. 15.
- Cutter: See—
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| Adhesive tape cutter. | Pipe and tube cutter. |
| Amoule cutter. | Plaster cast cutter. |
| Annular cutter. | Portable electric glass tube cutter. |
| Axially expandible rotary cutter. | Potato cutter. |
| Broaching cutter. | Potato seed cutter. |
| Brush cutter. | Potato vine cutter. |
| Butter cutter. | Rotary cutter. |
| Carton cutter. | Rotary grass cutter. |
| Cluster cutter. | Rotary weed cutter. |
| Dough cutter. | Rotating blade grass and weed cutter. |
| Film cutter. | Seed potato cutter. |
| Floating precision cutter. | Sewing-machine thread cutter. |
| Gasket cutter. | Sleet cutter. |
| Gear shaping cutter. | Stalk cutter. |
| Glass cutter. | Stubble cutter. |
| Groove-forming cutter. | Terra-cotta flue liner circle cutter. |
| Guillotine cutter. | Twine or cord cutter. |
| Involute generating spur gear milling cutter. | Vegetable cutter. |
| Milling cutter. | Vine cutter. |
| Outside cutter. | Wallpaper cutter. |
| Outside pipe cutter. | |
| Paper cutter. | |

- Cutter and butt joiner, Canvas. R. E. Hanke. 2,483,092, Sept. 27.
- Cutter and feeder assembly for harvesters, Adjustable. K. O. Peterson. 2,469,241, May 3.
- Cutter and holder, Combination fruit or flower. W. R. Mabrey. 2,459,232, Jan. 18.
- Cutter and stub holder, Guide. W. P. Hodges. 2,459,646, Jan. 18.
- Cutter and trimmer. H. C. Dreischerf. 2,487,224, Nov. 8.
- Cutter apparatus, Casing. B. Kriegel. 2,482,674, Sept. 20.
- Cutter assembly for rotary plows. L. I. Patterson. 2,468,776, May 3.
- Cutter assembly for rotary plows. L. L. Patterson. 2,480,419, Aug. 30.
- Cutter chain. L. E. Simmons. 2,469,523-4, May 10.
- Cutter for debarking machines, Chain-type. M. Douglas. 2,483,338, Sept. 27.
- Cutter for pneumatic thread receivers for looms, Thread. R. G. Turner. 2,457,956, Jan. 4.
- Cutter for producing radish rosettes. L. A. Werth. 2,479,145, Aug. 16.
- Cutter for textile piece goods, Sample. H. Hutten. 2,483,493, Oct. 4.
- Cutter for thimbles, Thread. T. A. Jaske. 2,475,324, July 5.
- Cutter for transfer molding devices, Sprue. M. E. Gale and F. W. Warner. 2,471,148, May 24.
- Cutter for wett replenishing looms, Filling thread. G. C. Beatrice. 2,471,809, May 31.
- Cutter for wett replenishing looms, Thread. R. G. Turner. 2,457,953, Jan. 4.
- Cutter having stationary parallel blades and a pivoted pusher, Vegetable. J. H. Norman. 2,466,121, Apr. 5.
- Cutter head. I. H. Gearhart. 2,479,923, Aug. 23.
- Cutterhead, Soft formation core bit. H. E. Conklin. 2,490,208, Dec. 6.
- Cutter mechanism. W. E. Wilson. 2,475,346, July 5.
- Cutter mounting. H. A. Fry. 2,471,613, May 31.
- Cutter with shear bar arranged on a chord, Rotary feed. M. H. Tuft. 2,457,951, Jan. 4.
- Cutter with swinging knife and automatic screw feed, Food. J. L. Fox. 2,479,676, Aug. 23.
- Cutting and cleaning of stainless steel billets. C. M. Rutter. 2,479,412, Aug. 16.
- Cutting and differentially hardening a toothed member, Successively. A. E. Shorter. 2,464,351, Mar. 15.
- Cutting and flushing device, Garbage. A. Bjorklund. 2,468,613, Apr. 26.
- Cutting and/or marking apparatus. J. E. Hatfield. 2,469,299, May 3.
- Cutting and placing machine, Dough. E. Haecks. 2,472,073, June 7.
- Cutting and pressing machine, Food. S. F. Peterson. 2,490,980, Dec. 13.
- Cutting and printing machine. J. E. Sloot. 2,469,526, May 10.
- Cutting and the like, Method of and apparatus for. A. G. Bodine, Jr. 2,460,918, Feb. 8.
- Cutting and welding machine. H. A. Huff, Jr. 2,472,948, June 14.
- Cutting apparatus. T. J. Kerr. 2,489,784, Nov. 29.
- Cutting apparatus, Glass. F. M. Mottet. 2,467,983, Apr. 19.
- Cutting apparatus, Material. G. W. Soderman. 2,482,379, Sept. 20.
- Cutting blanks. J. E. Socke. 2,458,538, Jan. 11.
- Cutting blanks from thin sheet or strip material. R. W. Messenger. 2,489,583, Nov. 29.
- Cutting corundum rod. M. H. Barnes. 2,487,091, Nov. 8.
- Cutting device. J. L. Lehnher. 2,473,756, June 21.
- Cutting device, Hole. H. D. Hooser and W. Vomacka. 2,460,826, Feb. 8.
- Cutting device, Portable power-operated rotary taper. W. H. Grasser. 2,491,106, Dec. 13.
- Cutting device, Potato. C. L. Soder. 2,464,898, Mar. 22.
- Cutting device, Record disk. A. H. Sultan. 2,489,685, Nov. 29.
- Cutting machine. J. P. Crowley. 2,468,178, Apr. 26.
- Cutting machine. C. Offenhauser. 2,481,775, Sept. 13.
- Cutting machine. J. C. Smith. 2,492,330, Dec. 27.
- Cutting machine. J. Stuart, II. 2,460,954, Feb. 8.
- Cutting machine. H. G. Whitmore. 2,475,558, July 5.
- Cutting machine, Acetylene torch. D. A. Schrock. 2,489,201, Nov. 22.
- Cutting machine and method, Wool. C. E. Galvin. 2,462,090, Feb. 22.
- Cutting machine, Blank. A. A. Gray and A. Brookhart. 2,467,666, Apr. 19.
- Cutting machine, Bread. J. Melpolder. 2,478,159, Aug. 2.
- Cutting machine, Button blank. R. N. Palmer. 2,463,799, Mar. 8.
- Cutting machine, Cheese. P. J. Schlude. 2,489,504, Nov. 29.
- Cutting machine, Cheese. L. M. Seely. 2,481,162, Sept. 6.
- Cutting machine, Cigarette. C. E. Weisner and G. W. Lloyd. 2,464,108, Mar. 8.
- Cutting machine, Circle. E. B. Parker. 2,483,229, Sept. 27.
- Cutting machine, Fish. R. F. Jones. 2,479,010, Aug. 16.
- Cutting machine, Gasket. J. Belada. 2,476,530, July 19.
- Cutting machine, Grass. B. P. Strong. 2,481,364, Sept. 6.
- Cutting machine, Key. H. Beisser. 2,469,027, May 3.
- Cutting machine, Linoleum. W. E. Ganter, Jr. 2,487,327, Nov. 8.
- Cutting machine, Linoleum. G. M. Reynolds. 2,486,880, Nov. 1.
- Cutting machine of the hammer-driven cutter blade type, Portable brush and tree. A. E. Cuthrell. 2,474,037, June 21.
- Cutting machine, Patch. V. E. Anderson. 2,470,229, May 17.
- Cutting machine, Sole. H. R. Polleys. 2,469,518, May 10.
- Cutting machine, Stalk. D. Strawn. 2,465,405, Mar. 29.
- Cutting machine, Strip. L. Q. Presby. 2,481,342, Sept. 6.
- Cutting materials, Method of and apparatus for. A. G. Bodine, Jr. 2,460,919, Feb. 8.
- Cutting means for metal stretching dies. H. A. Berliner. 2,460,483, Feb. 1.
- Cutting mechanism. G. N. Nickell. 2,465,392, Mar. 29.
- Cutting of metal and electrode therefor, Arc. C. R. Henry. 2,486,281, Oct. 25.
- Cutting off a predetermined length of glass from a moving ribbon of glass, Repeatedly. A. H. Le Mare. 2,487,932, Nov. 15.
- Cutting tip, Multipiece. H. G. Hughey. 2,468,824, May 3.
- Cutting tool. H. F. Bohl. 2,458,244, Jan. 4.
- Cutting tool. W. L. Deibert. 2,480,226, Aug. 30.
- Cutting tool. W. E. Harrington. 2,467,030, Apr. 12.
- Cutting tool. T. Hollis, Jr. 2,464,865, Mar. 22.
- Cutting tool. A. Offen. 2,461,439, Feb. 8.
- Cutting tool. F. Santoro. 2,480,307, Aug. 30.
- Cutting tool. G. E. Sheldrick. 2,485,324, Oct. 18.
- Cutting tool. L. A. Smith. 2,463,063, Mar. 1.
- Cutting tool. E. G. Sturgeon, P. von Valtier, L. Wiedenbeck, and L. N. Butler. 2,491,626, Dec. 20.
- Cutting torch guide device. R. L. York. 2,465,413, Mar. 29.
- Cutlery. C. E. Flynn. 2,485,375, Oct. 18.
- Cutlery. A. Guttman. 2,465,087, Mar. 22.
- Cutlery construction. J. G. Jackson. 2,474,425, June 28.
- Cyanide-containing industrial waste liquors, Detoxification of. A. S. Smith. 2,459,464, Jan. 18.
- Cyanine dye intermediates, Producing. E. B. Knott. 2,487,882, Nov. 15.
- Cyanine dyestuffs and making same. G. Schwarz. 2,481,953, Sept. 13.
- Cyanine dyestuffs, Production of. J. D. Kendall and F. P. Doyle. 2,481,022, Sept. 6.
- Cyanoacetic acid from aqueous inorganic salt solutions, Recovery of. L. Nicholl and H. R. Elkinton. 2,480,380, Aug. 30.
- Cyano acylamino tricarboxylate compounds and products, Synthesis of. D. T. Warner and O. A. Moe. 2,468,352, Apr. 26.
- Cyanobutenyl acetoacetic esters. H. A. Bruson. 2,484,683, Oct. 11.
- Cyanoethyl ethers of galactomannan and glucomannan gums. O. A. Moe. 2,461,502, Feb. 8.
- Cyanoethyl-substituted 1,3,5-trimethylene trisulphones. H. T. Hookway and E. M. Evans. 2,468,015, Apr. 19.
- Cyano-substituted tetrahydropyran compounds and preparation of the same. C. W. Smith. 2,489,729, Nov. 29.
- Cyanuric chloride, Production of. J. T. Thurston. 2,491,459, Dec. 13.
- Cycle brake. N. Vacher. 2,460,204, Jan. 25.
- Cycle freewheeling device. F. W. Schwinn. 2,489,934, Nov. 29.
- Cycle lock. E. Herbold and H. D. Larson. 2,464,683, Mar. 15.
- Cycle saddle spring mounting. A. V. Terry. 2,487,904, Nov. 15.
- Cycles, Propulsion of. M. Benazzoli. 2,491,076, Dec. 13.
- Cyclic aliphatic dihydroxy compounds, Manufacture of. D. P. Young. 2,467,451, Apr. 19.
- Cyclic aminobenzaldehyde acetals of 1,2- and 1,3-glycols of two to four carbon atoms. D. M. McQueen and D. W. Woodward. 2,481,434, Sept. 6.
- Cyclic control. G. J. Lexa. 2,487,150, Nov. 8.
- Cyclic nitrogen base sulfonates, Production of. F. C. Gzinski. 2,472,583, June 7.
- Cyclic olefins from straight chain olefins. Separation of. G. L. Hervet and M. J. Murray. 2,463,036, Mar. 1.
- Cyclic perchloro compounds, Fluorination of unsaturated. E. T. McBee and P. A. Wiseman. 2,459,783, Jan. 25.
- Cyclic polymeric organoaminosilanes. C. P. Haber. 2,462,635, Feb. 22.
- Cyclic process for producing perchlorates and chlorites of different metals. C. A. Hampel. 2,489,571, Nov. 29.
- Cyclic sulfides, Production of. R. J. Moore and R. A. Trimble. 2,471,077, May 24.
- Cycloalkyl nitrites, Production of. T. F. Doumani, C. S. Coe, and E. C. Attane, Jr. 2,465,984, Mar. 29.
- Cyclograph for testing metals. E. R. Mann and H. E. Beste. 2,477,384, July 26.
- Cyclohexane, Production of. J. J. B. V. van Voorthuysen and W. F. Engel. 2,467,919, Apr. 19.
- Cyclohexene, Manufacture of. E. Gorin and A. G. Oblad. 2,473,472, June 14.
- Cyclohexene production. H. H. Voge and G. M. Good. 2,485,965, Oct. 25.
- Cyclone burner. B. J. Parmele. 2,476,507, July 19.
- Cyclone burner. B. J. Parmele. 2,483,780, Oct. 4.
- Cycloparaffin of nonhydroaromatic structure, Isomerization of. R. N. Shiras, A. C. Nixon, and C. H. Deal, Jr. 2,460,852, Feb. 8.

- Cyclopentadiene from dicyclopentadiene, Preparation of. H. L. Gerhart. 2,490,866, Dec. 13.
- Cyclopentane carboxyaldehydes and derivatives thereof, Preparation of. R. R. Whetstone. 2,480,990, Sept. 6.
- Cyclopentano perhydrophenanthrene compounds. E. Kaiser and J. Svarz. 2,469,967, May 10.
- Cyclophon, Multichannel. M. Arditi, I. H. Franzel, and J. Feinstein. 2,474,810, July 5.
- Cyclopropyl furyl propenone. J. W. Hansen and C. C. Cassil. 2,470,349, May 17.
- Cylinder and concave mill with toothed cooperating surfaces. R. C. Hopkins. 2,484,509, Oct. 11.
- Cylinder and cylinder head construction. A. Berger. 2,487,512, Nov. 8.
- Cylinder and cylinder head construction. N. A. Christensen. 2,480,633, Aug. 30.
- Cylinder and frame, Locomotive. E. O. Elliott. 2,459,929, Jan. 25.
- Cylinder and piston assembly for hydraulic apparatus. J. Pilch. 2,468,511, Apr. 26.
- Cylinder and piston mechanism for flat plate ironing machines, Fluid pressure actuated. H. F. Bariffi. 2,475,304, July 5.
- Cylinder apparatus, Master. E. A. Rockwell. 2,477,089, July 26.
- Cylinder back pressure valve. J. M. Clark. 2,472,284, June 7.
- Cylinder carriage. E. C. Hefelfinger. 2,463,967, Mar. 8.
- Cylinder construction for parallel cylinder pumps. M. W. Huber. 2,464,448, Mar. 15.
- Cylinder construction, Thermally equalized. H. P. Sparkes. 2,462,139, Feb. 22.
- Cylinder, Controlled stroke. W. T. Stephens. 2,478,790, Aug. 9.
- Cylinder coupling. H. F. Benoit. 2,477,856, Aug. 2.
- Cylinder, Engine. A. Tacchella. 2,458,447, Jan. 4.
- Cylinder filling and dispensing valve. O. L. Garretson, W. R. Eddy, and T. A. St. Clair. 2,479,737, Aug. 23.
- Cylinder for high-pressure vessels, Manufacture of multilayer. T. McL. Jasper. 2,480,369, Aug. 30.
- Cylinder for hydraulic brake systems, Compound master. A. B. Seppmann. 2,463,062, Mar. 1.
- Cylinder for hydraulic brake systems, Master. L. A. Majneri. 2,477,758, Aug. 2.
- Cylinder for injection molding machines, Heating. L. J. Caron. 2,480,838, Sept. 6.
- Cylinder for internal-combustion engines. H. R. Ricardo. 2,464,462, Mar. 15.
- Cylinder for internal-combustion engines and making same, Finned. S. Spagnola. 2,491,878, Dec. 20.
- Cylinder head. F. L. van Weenen. 2,463,130, Mar. 1.
- Cylinder head construction. P. Klotsch and E. A. Taylor. 2,492,582, Dec. 27.
- Cylinder head construction for water cooling. R. G. Olson. 2,495,260, Mar. 22.
- Cylinder head for superheated steam engines. H. M. Arnold. 2,464,112, Mar. 8.
- Cylinder head structure. F. S. Flick. 2,489,769, Nov. 29.
- Cylinder hydraulic washer. L. Johnston. 2,471,624, May 31.
- Cylinder, Leak proof. H. G. Warnke. 2,465,560, Mar. 29.
- Cylinder lock. T. W. Frizzell. 2,462,954, Mar. 1.
- Cylinder, Master. L. E. La Brie. 2,473,803, June 21.
- Cylinder packing, Master. L. E. La Brie. 2,477,882, Aug. 2.
- Cylinder, Pneumatic shock absorbing. J. C. Hanna. 2,484,883, Oct. 18.
- Cylinder, Porous printing. W. C. Huebner. 2,468,400, Apr. 26.
- Cylinder, Pressure. F. J. Raybould. 2,492,006, Dec. 20.
- Cylinder ridge reamer. H. A. Berkman. 2,465,627, Mar. 29.
- Cylinder rotating mechanism for revolvers. M. D. Yonker. 2,472,326, June 7.
- Cylinder surfacing tool. H. R. Billeter. 2,465,422, Mar. 29.
- Cylinders, Manufacturing pressure. G. M. Geiger and H. A. Donnenwirth. 2,478,818, Aug. 9.
- Cystoscope. F. J. Wallace. 2,487,498, Nov. 8.
- DDT in petroleum solvent stabilized with lanolin and dimerized eighteen carbon atom fatty acids. J. C. Hillier. 2,490,437, Dec. 6.
- DDT of improved quality, Production of. M. Sveda. 2,463,653, Mar. 8.
- DDT solutions, Stabilized. W. A. Schulze and J. C. Hillier. 2,490,481, Dec. 6.
- DDT, Stabilization of. G. A. Stein and M. Tishler. 2,461,852, Feb. 15.
- D-glucosaccharic acid, Preparation of. C. L. Mehlretter, C. E. Rist, and B. H. Alexander. 2,472,168, June 7.
- Dairy process. H. C. Horneman, R. V. Hussong, S. N. Quam, and B. W. Hammer. 2,466,896, Apr. 12.
- Dampener. Attenuation pulsation. H. N. Wade. 2,490,493, Dec. 6.
- Dampener drive, Propeller. J. H. Booth. 2,475,541, July 5.
- Dampener, Flutter. R. J. Woods. 2,460,488, May 10.
- Dampener for aircraft landing gear, Impact. T. J. Chaifant and G. W. Haschke. 2,462,844, Mar. 1.
- Dampener for servos, Friction flywheel. W. F. Tice. 2,482,134, Sept. 20.
- Dampening device, Fluid pressure. C. J. Egger. 2,486,133, Oct. 25.
- Dampening devices for shock absorbers and the like. P. B. Oberstadt. 2,459,537, Jan. 18.
- Dampening roller cover. F. C. and E. J. Gay. 2,478,262, Aug. 9.
- Dampening system, Gas line pulsation. F. M. Stephens. 2,474,555, June 28.
- Damper. J. E. Maynard and P. O. Collins. 2,471,980, May 31.
- Damper. G. A. Peple, Jr. 2,487,367, Nov. 8.
- Damper, Barometric. W. R. Miller and H. E. Malone. 2,489,308, Nov. 29.
- Damper control. R. J. Parsons. 2,463,494, Mar. 1.
- Damper counterbalance, Dynamic. G. I. Holmes. 2,471,687, May 31.
- Damper, Draft control. R. Wilson. 2,460,960, Feb. 8.
- Damper, Dynamic. R. Chilton. 2,484,073, Oct. 11.
- Damper, Flutter. W. M. Bleakney, L. F. Zielinski, and C. M. Ede. 2,471,857, May 31.
- Damper for dynamoelectric machines, Vibration. J. E. Mulheim. 2,484,241, Oct. 11.
- Damper for fireplaces, furnaces, and the like, Adjustable flue or chimney. E. A. Stretz. 2,473,182, June 14.
- Damper operating mechanism for electric percussion instruments. P. H. Rowe. 2,484,745, Oct. 11.
- Damper, Servomotor. R. B. Wilson. 2,464,362, Mar. 15.
- Damper, Vibration. T. A. Bryson. 2,465,429, Mar. 29.
- Damper, Vibration. J. C. Little. 2,469,167, May 3.
- Damper, Vibration. J. A. Hardy. 2,473,335, June 14.
- Damper winding for dynamoelectric machines. A. W. Rankin. 2,470,522, May 17.
- Damper with auxiliary closure, Hinged type flue. E. Loewenheim. 2,489,915, Nov. 29.
- Damping device. F. Rieber. 2,466,327, Apr. 5.
- Damping for dynamic loudspeakers. E. D. Cook. 2,489,862, Nov. 29.
- Damping torsional vibrations in internal-combustion engines. T. H. Peirce. 2,477,081, July 26.
- Damping unit for watt-hour meters. S. S. Green. 2,463,867, Mar. 8.
- Darkroom lamp. J. A. M. van Lierp. 2,491,881, Dec. 20.
- Dashboard display apparatus comprising a rotary disk operated by a vacuum motor. R. H. Heim. 2,490,869, Dec. 13.
- Dash-controlled hydraulic jack. J. I. Long. 2,473,757, June 21.
- Dash pot for portable tools. J. L. Taylor. 2,488,992, Nov. 22.
- Dashpot for weighing scales. L. S. Williams. 2,475,685, July 12.
- Data storage device in printing machines. H. H. Keen. 2,478,277, Aug. 9.
- Davit. M. L. Woodruff. 2,473,557, June 21.
- Deactivate explosive bearing ordnance, Method and means to safely. C. S. Piggot and C. C. Misener. 2,491,516, Dec. 20.
- Deactivator and a gasoline fuel containing the same, Metal. R. B. Thompson. 2,486,538, Nov. 1.
- Deaerating and cooling device for hydraulic transmission fluids. J. C. Shaw and W. L. Walton. 2,478,428, Aug. 9.
- Deaerating heater. C. H. Bergquist. 2,490,294, Dec. 6.
- Dealkylation of alkoxyaryls. B. W. Rottschaefer. 2,490,601, Dec. 6.
- Deasphalting process. D. A. Hermanson and J. L. Biles. 2,487,806, Nov. 15.
- Debarking machine, Log. E. C. Shaw. 2,490,165, Dec. 6.
- Debarking method, Hydraulic. F. H. Swift. 2,488,041, Nov. 15.
- Debenzylation of benzylation imidazolidothiophane compounds. M. W. Goldberg and L. H. Sternbach. 2,489,238, Nov. 22.
- Deburring and polishing apparatus. E. E. Cook and H. J. Sadler. 2,470,340, May 17.
- Decalcomanias. M. B. Rapp. 2,465,927, Mar. 29.
- Decarboxylating ortho- and para-hydroxy benzoic acids. R. E. Kremers. 2,488,472, Nov. 15.
- Decarboxylation of 2-hydroxy-3-carboxyl pyrazine. J. Weijlard and M. Tishler. 2,479,442, Aug. 16.
- Decibeloscope. R. W. Stanmyre. 2,486,890, Nov. 1.
- Decimal and shift control mechanism, Automatic. H. T. Avery. 2,467,419, Apr. 19.
- Decimal rounding off mechanism. C. Wittenmyer. 2,469,675, May 10.
- Deck construction for direct contact conditioning (cooling or drying) apparatus. A. D. Hoyt. 2,465,454, Mar. 29.
- Decutching means for multi-engine drives, Automatic. C. H. Zimmerman and H. J. Rapuano. 2,462,825, Feb. 22.
- Decolorization and clarification of sugar liquors. A. R. Bollart and G. G. Halvorsen. 2,470,332, May 17.
- Decolorization of esters of acrylic and α -alkyl-acrylic acids. W. P. Utermohlen, Jr. 2,458,450, Jan. 4.
- Decomposition of polymeric material. F. E. Condon. 2,492,844, Dec. 27.
- Decorament. J. A. Egle. 2,486,636, Nov. 1.
- Decorating machine. B. Martin. 2,492,052, Dec. 20.
- Decorating machine, Silk screen stencil. T. S. Bauman. 2,484,671, Oct. 11.
- Decorating surface coverings. F. J. Schwarz. 2,485,541, Oct. 18.
- Decorative device simulating a bird or the like, Animated. G. E. Hawes. 2,484,343, Oct. 11.
- Decorating machine. J. S. Reeves. 2,490,157, Dec. 6.
- Decoy. L. C. Kouba. 2,478,585, Aug. 9.

- Decoy. R. L. Timm and L. L. Hartshorn. 2,483,680, Oct. 4.
- Decoy and actuating mechanism therefor, Animated. P. D. Thompson. 2,480,390, Aug. 30.
- Decoy duck, Animated. C. V. Greenleaf. 2,460,128, Jan. 25.
- Decoy, Foldable. W. G. Colgan. 2,489,271, Nov. 29.
- Dedusting process and product thereof. J. W. Bodman. 2,465,346, Mar. 29.
- Deep and shallow well pump. H. H. Wolfe and E. W. Haas. 2,475,118, July 5.
- Deep drawing organic plastic sheets. F. E. Wiley. 2,468,697, Apr. 26.
- Deep-neck high-flux motor. L. R. Ludwig and W. H. Formhals. 2,458,011, Jan. 4.
- Deep well pump. C. F. Degner. 2,470,888, May 24.
- Deep well pump. E. L. Roofe. 2,464,347, Mar. 15.
- Deep well pump. B. F. Schmidt. 2,489,505, Nov. 29.
- Deep well pump. A. S. Soberg. 2,486,617, Nov. 1.
- Deer call. H. F. Luch. 2,470,823, May 24.
- Deflecting signal generator. A. C. Munster and D. E. Sunstein. 2,491,684, Dec. 20.
- Deflecting system, Cathode-ray tube. O. H. Schade. 2,460,601, Feb. 1.
- Deflection circuit. R. C. Eddy. 2,488,386, Nov. 15.
- Deflection circuit. M. Wolf. 2,473,983, June 21.
- Deflection modulation tube. P. J. Selgin. 2,489,329, Nov. 29.
- Deflection system, Cathode-ray beam. E. H. Schoenfeld and W. Milwitt. 2,487,602, Nov. 8.
- Deflection system for cathode-ray tubes. H. W. Leighton. 2,488,132, Nov. 15.
- Deflectometer. L. K. Hyde. 2,485,735, Oct. 25.
- Deflectometer, Electrical. C. E. Hastings and H. H. Ricker, Jr. 2,484,030, Oct. 11.
- Deflector, Air. B. Spieth. 2,457,934, Jan. 4.
- Deflector for exhaust pipes of automobiles and the like, Flexible. T. M. Di Renna. 2,466,307, Apr. 5.
- Deflector, Shuttle. H. Hoerber. 2,477,745, Aug. 2.
- Deflector, Wind. L. E. Russell. 2,478,161, Aug. 2.
- Defluorinating phosphate rock. K. L. Elmore. 2,474,831, July 5.
- Defluorination of phosphate rock. E. J. Maust and C. A. Hollingsworth. 2,479,389, Aug. 16.
- Defroster for evaporators. H. P. Peterson. 2,492,397, Dec. 27.
- Defroster, Radiator. L. M. March and B. Workman. 2,465,895, Mar. 29.
- Defrosting appliance. C. J. Roach. 2,466,479, Apr. 5.
- Defrosting control arrangement. M. B. Goddard. 2,476,184, July 12.
- Defrosting device, Cabinet. R. A. Rott. 2,487,674, Nov. 8.
- Defrosting device for refrigeration apparatus. G. S. McCloy. 2,487,662, Nov. 8.
- Defrosting means for refrigeration apparatus. G. S. McCloy. 2,459,173, Jan. 18.
- Degassing and grain refining of magnesium. K. Strauss. 2,461,937, Feb. 15.
- Degradation of the side-chain of a steroid containing a nuclear α,β -unsaturated keto group. K. Miescher, H. Frey, C. Meystre, and A. Wettstein. 2,461,912, Feb. 15.
- Degradation of the side-chain of steroids and steroids suitable therefor. K. Miescher, H. Frey, C. Meystre, and A. Wettstein. 2,461,910-11, Feb. 15.
- Degradation of the side-chain of steroids and steroids suitable therefor. K. Miescher, H. Frey, C. Meystre, and A. Wettstein. 2,461,911, Feb. 15.
- Degreasing device. M. Jaffa. 2,469,040, May 3.
- Degreasing machine. J. G. Bamberger. 2,488,156, Nov. 15.
- Dehumidification of fluids. W. S. W. McCarter. 2,467,215, Apr. 12.
- Dehumidifier, Solar activated. E. B. Dunkak. 2,462,952, Mar. 1.
- Dehydrated mashed potatoes, Preparing. C. W. Kaufman, H. M. Burgess, and F. Hollis, Jr. 2,481,122, Sept. 6.
- Dehydrating alfalfa. O. F. Meyer, H. L. Schmidt, R. E. Owens and W. W. Miner, Jr. 2,487,162, Nov. 8.
- Dehydrating alumina in the production of aluminum. A. M. Short. 2,464,267, Mar. 15.
- Dehydrating apparatus. G. E. Ball and O. W. Barrett. 2,466,297, Apr. 5.
- Dehydrating aqueous solutions of formic acid. H. M. Guinot. 2,485,048, Oct. 18.
- Dehydrating food products. J. L. Kellogg. 2,467,318, Apr. 12.
- Dehydrating process for starchy vegetables, fruits, and the like. J. W. Greene, R. M. Conrad and F. A. Rohrman. 2,490,431, Dec. 6.
- Dehydrating system. H. A. Lockwood. 2,465,162, Mar. 22.
- Dehydration device. S. O. Levinson and F. Oppenheimer. 2,459,329, Jan. 18.
- Dehydration, Method and apparatus for. R. Lee. 2,480,146, Aug. 30.
- Dehydration of compounds by distillation with hydrophobic oil. W. S. Harmon. 2,474,735, June 28.
- Dehydration of foods by sublimation. R. T. Palmer. 2,480,954, Sept. 6.
- Dehydrator. C. O. Glasgow. 2,474,475, June 28.
- Dehydrator. J. N. Paquin and E. P. Bock. 2,469,842, May 10.
- Dehydrator. R. Plotner. 2,487,369, Nov. 8.
- Dehydrator. R. L. Puccinelli. 2,461,770, Feb. 15.
- Dehydrator, Portable bay. J. O. Andree and C. V. Peterson. 2,488,653, Nov. 22.
- Dehydroabietic acid derivatives. Y. T. Pratt. 2,472,437, June 7.
- Dehydrochlorination of chlorethyl polychlorobenzenes. C. H. Basdekis. 2,485,524, Oct. 18.
- Dehydrochlorination of chlorinated fatty acids and esters. G. B. Van Atta and W. C. Dietrich. 2,466,340, Apr. 5.
- Dehydrofluorinating catalysts, Regenerating. E. R. Kanhofer. 2,467,484, Apr. 19.
- Dehydrofluorination of polyfluoroalkanes. D. D. Coffman and R. D. Cramer. 2,461,523, Feb. 15.
- Dehydrofluorination with copperplated metal catalysts. J. F. Eberle. 2,481,207, Sept. 6.
- Dehydrofluorination with metallic mixtures as catalyst. J. F. Eberle. 2,481,208, Sept. 6.
- Dehydrogenation catalysts, Preparation of. J. G. M. Bremner, P. W. Reynolds, and A. W. C. Taylor. 2,460,333, Feb. 1.
- Dehydrogenation of hydrocarbon oil and catalyst therefor. W. H. Claussen and H. B. Wellman. 2,481,824, Sept. 13.
- Dehydrogenation process. B. B. Corson and G. A. Webb. 2,470,092, May 17.
- Dehydrogenation process. E. P. Davies and F. T. Eggertsen. 2,461,147, Feb. 8.
- Dehydrohalogenation. J. E. Leonard, and A. E. Bearse. 2,490,973, Dec. 13.
- Deicer for windshield wipers. G. W. Wattles, Jr. 2,485,025, Oct. 18.
- Deicing apparatus for compressors. C. D. Flagle. 2,469,375, May 10.
- Deicing device for airfoils. M. Tanchel. 2,464,273, Mar. 15.
- Deicing wing construction. L. H. Smith and P. A. Dodson. 2,478,878, Aug. 9.
- Delay-action mechanism. J. R. C. Quilter. 2,492,063, Dec. 20.
- Delay control, Time. C. T. Zavales. 2,486,089, Oct. 25.
- Delay device. G. E. Hagen. 2,487,332, Nov. 8.
- Delay line, Adjustable. J. H. Rubel and R. E. Troell. 2,467,857, Apr. 19.
- Delay line, Equalized. H. E. Kallmann. 2,461,061, Feb. 8.
- Delay powder. G. C. Hale and D. Hart. 2,478,918, Aug. 16.
- Delayed-action switch. T. J. Mudon. 2,488,024, Nov. 15.
- Delayed-release mechanism. C. A. Gongwer. 2,483,044, Sept. 27.
- Delaying mechanism chiefly applicable to cameras. G. A. H. Bugeaud. 2,468,541, Apr. 26.
- Delineator, Pulse. E. J. Isbister. 2,477,615, Aug. 2.
- Delivering flour or other powdered material. L. S. Harber. 2,491,177, Dec. 13.
- Delivery apparatus, Animal. P. Collins. 2,487,425, Nov. 8.
- Delivery device, Material. D. J. Peeps. 2,488,985, Nov. 22.
- Delivery mechanism for printing and like machines. G. Turrall. 2,485,943, Oct. 25.
- A17,20-3,21-dioxy-11-ketoprenenes and process. L. H. Sarett. 2,492,192, Dec. 27.
- Delta-tocopherol. J. G. Baxter, M. H. Stern, and L. Weisler. 2,486,541, Nov. 1.
- A20,21-3,17-dioxy-11-ketoprenenes and process. L. H. Sarett. 2,492,190, Dec. 22.
- Deluge valve. H. G. Freeman. 2,472,008, May 31.
- Deluge valve. H. G. Freeman. 2,485,091, Oct. 18.
- Deluge valve. L. M. Lewis. 2,469,831, May 10.
- Demagnetizing tubing, Method and apparatus for. C. Farrow. 2,460,684, Feb. 1.
- Demineralizing. F. I. L. Lawrence. 2,470,500, May 17.
- Demodulation of time-modulated electrical pulses. M. M. Levy. 2,462,110, Feb. 22.
- Demodulator. M. Arditi and J. Feinstein. 2,474,812, July 5.
- Demodulator for frequency modulated signals. T. G. Custin. 2,484,556, Oct. 11.
- Demodulator system for time modulated pulses. M. G. Hollabaugh. 2,462,100, Feb. 22.
- Demonstration set, Model. M. B. Adams. 2,491,597, Dec. 20.
- Demountable machine handle. E. S. George and H. L. Blydenburgh. 2,476,036, July 12.
- Demountable sealed stove pipe joint. A. Hollub. 2,459,382, Jan. 18.
- Demountable vacuum tube. J. Martin. 2,479,755, Aug. 23.
- Demulsifier composition. F. E. Fuchs. 2,492,473, Dec. 27.
- Density responsive device. E. A. Haase and J. A. Bolt. 2,470,742, May 17.
- Dental bridgework, Producing. P. Rothwell. 2,486,327, Oct. 25.
- Dental cement apparatus. F. J. Skrob. 2,469,525, May 10.
- Dental clamp. H. L. McAdoo. 2,491,050, Dec. 13.
- Dental cleansing apparatus, Electrolytic. R. E. Irish. 2,482,486, Sept. 20.
- Dental device. H. Preble, Jr., and A. K. Mayes. 2,491,207, Dec. 13.
- Dental facing, Reinforced. B. Kaufmann. 2,475,244, July 5.
- Dental floss holder. F. Johnson. 2,492,291, Dec. 27.
- Dental floss holder. J. and H. Turenchalk. 2,463,660, Mar. 8.

- Dental hand piece. H. E. T. Jensen. 2,471,526, May 31.
 Dental means and method. E. E. Beers. 2,470,679, May 17.
 Dental unit. W. J. Meier. 2,459,711, Jan. 18.
 Dentifrice. R. Taylor. 2,470,906, May 24.
 Denture. H. D. Morgan. 2,466,727, Apr. 12.
 Denture. E. F. Nelson. 2,464,987, Mar. 22.
 Denture base parts and applying artificial teeth thereto, Making. E. H. Zahn. 2,491,147, Dec. 13.
 Denture, Cast or molded. J. A. Saffir. 2,472,492, June 7.
 Denture, Removable. R. J. Maniela. 2,469,339, May 3.
 Dentures, Making. G. B. Kern. 2,487,143, Nov. 8.
 Dentures, Repair of. F. E. Steigleman. 2,471,501, May 31.
 Deodorization and distillation of fats. J. K. Gunther. 2,484,788, Oct. 11.
 Deodorizer and making same, Carbonaceous. R. L. McHattin. 2,470,180, May 17.
 Deodorizer, Closure operated. H. J. Cohn. 2,463,246, Mar. 1.
 Deoxygenation process. D. L. Baker. 2,482,724, Sept. 20.
 Depilatory and preparing same, Cream. J. Kamlet. 2,487,558, Nov. 8.
 Depolarizer units for alkaline primary cells, Making. S. Ruben. 2,481,539, Sept. 13.
 Depositing preformed layers of latex foam on a latex film. A. N. Spanel. 2,478,600, Aug. 9.
 Depositing reactive solutions to form an insecticide, Sequentially. A. Dinsley. 2,469,433, May 10.
 Depository, Bank. W. E. Adams. 2,480,685, Aug. 30.
 Depressant for oil compositions, Four point. R. J. Hawes, W. F. Behrman, and C. A. Campbell. 2,473,370, June 14.
 Depressor for posthole diggers, Guard and fence. E. A. McCardell. 2,474,981, July 5.
 Depth gauge. C. N. M. Wornell. 2,466,140, Apr. 5.
 Depth sounder. G. R. Paine and J. P. McGuire. 2,476,902, July 19.
 Depth sounder. A. G. Peterson. 2,464,715, Mar. 15.
 Derivatives of acridine, Manufacture of. A. A. Goldberg, W. Kelly, and H. S. Turner. 2,465,868, Mar. 29.
 Derivatives of aliphatic terpenes, Preparation of. N. A. Milas. 2,467,330, Apr. 12.
 Derivatives of cholesterol, Preparation of. A. E. Bide, R. J. Nicholls, and P. A. Wilkinson. 2,468,859, May 3.
 Derivatives of cyclic amidines and making same. C. Graenacher and F. Ackermann. 2,463,264, Mar. 1.
 Derivatives of dihydropyran, Preparation of. R. R. Whetstone. 2,479,284, Aug. 16.
 Derivatives of ethylene diamine and polymers thereof, Unsaturated. D. D. Reynolds and W. O. Kenyon. 2,458,421, Jan. 4.
 Derivatives of etiocholenic acid, Manufacture of. W. C. J. Ross. 2,470,903, May 24.
 Derivatives of p-aminobenzenesulfonamides and making same. M. Hartmann and J. Druey. 2,462,963, Mar. 1.
 Derivatives of safral and isosafral. O. F. Hedenburg. 2,485,600, Oct. 25.
 Derivatives of the benzotetronic acid and manufacturing same. J. Rosický. 2,482,510, Sept. 20.
 Derivatives of 2,1-benzopyran. B. P. Geyer and S. A. Ballard. 2,483,824, Oct. 4.
 Dermatome. J. D. Reese. 2,479,185, Aug. 16.
 Dermatome. J. D. Reese. 2,479,260, Aug. 16.
 Dermatome holder. J. D. Reese. 2,484,740, Oct. 11.
 Derrick mover. C. Swartz. 2,469,087, May 3.
 Derrick, Portable. D. R. Moore. 2,465,813, Mar. 29.
 Derrick, Portable. D. R. Moore. 2,471,492, May 31.
 Derrick, Portable. D. R. Moore. 2,476,210, July 12.
 Derrick, Rail. R. Kershaw. 2,478,535, Aug. 9.
 Deseaming process and nozzle, Wide. A. P. Scheller. 2,476,456, July 19.
 Desiccants, Manufacture of. R. C. Wilson, Jr. 2,462,798, Feb. 22.
 Desiccating orange juice involving freeze drying. E. W. Florsdorf. 2,471,677, May 31.
 Desiccator. F. Waller. 2,487,620, Nov. 8.
 Desiccator, Regenerable. A. A. Hirsch. 2,469,435, May 10.
 Design and construction of rolling mills. T. Sendzimir and J. E. Eckert. 2,479,974, Aug. 23.
 Design for handbags, luggage, and the like, Framed. J. G. Vogel. 2,484,661, Oct. 11.
 Designs on nonmetallic heat-resisting bases, Production of. F. E. Kerridge. 2,482,547, Sept. 20.
 Designs on thermoplastic materials, Production of ornamental impressed. A. A. Flaster. 2,463,370, Mar. 1.
 Desilicization of ferrophosphorus. B. G. Klugh. 2,476,418, July 19.
 Desk and chair structure, Combination. E. B. Morgan. 2,488,222, Nov. 15.
 Desk and mirror device for transferring records, Combined. B. T. Johnston. 2,463,775, Mar. 8.
 Desk and table combination. A. Schomburg. 2,474,596, June 28.
 Desk, Knockdown. R. J. Freeman. 2,472,579, June 7.
 Desk lamp. C. C. Braun. 2,462,941, Mar. 1.
 Desk level visible card cabinet. J. Reid. 2,463,644, Mar. 8.
 Desk pad. L. L. Bresler. 2,486,253, Oct. 25.
 Desk, Refocusing and viewing. W. H. Highfield and W. D. Johnson. 2,479,008, Aug. 16.
 Desk structure. W. E. Nordmark. 2,469,239, May 3.
 Desoxy iso-xanthopterins and making same. J. H. Mowat and J. H. Boothe. 2,473,811, June 21.
 Desoxyalditols and their preparation, Disubstituted. W. A. Bonner and C. D. Hurd. 2,460,803, Feb. 8.
 Dessert composition, Nonstarch. F. Gatti. 2,485,043, Oct. 18.
 Destemming and pressing machine, Vintage. E. G. Blachere. 2,478,651, Aug. 9.
 Desulfurization and reforming process. A. C. Byrns. 2,463,741, Mar. 8.
 Desulfurization of hydrocarbons with fluosulfonic acid. J. A. Chenicek. 2,486,519, Nov. 1.
 Desulfurizing an aromatic hydrocarbon containing thiophene. A. P. Lien and B. L. Evering. 2,464,520, Mar. 15.
 Desulfurizing molten ferrous metal. F. W. White and E. B. Story. 2,459,256, Jan. 18.
 Desulfurizing spent nickel-aluminum catalysts. A. B. Stiles. 2,491,694, Dec. 20.
 Desulfurizing stainless steel grinding dust. J. M. Mouson. 2,488,926, Nov. 22.
 Detachable and adjustable pipe coupling. J. Marco. 2,489,100, Nov. 22.
 Detachable battery cover clamp. F. Altmayer. 2,464,842, Mar. 22.
 Detachable bit. I. J. Berscheid. 2,460,673, Feb. 1.
 Detachable can handle. R. B. Propst. 2,474,913, July 5.
 Detachable coupling. A. P. Buffington. 2,484,684, Oct. 11.
 Detachable coupling. F. J. Trainor. 2,468,849, May 3.
 Detachable handle. G. Klein. 2,459,658, Jan. 18.
 Detachable handle. H. P. Serio. 2,478,784, Aug. 9.
 Detachable oven door. G. Klein. 2,461,902, Feb. 15.
 Detachable pipe coupling. A. S. Hamilton, Jr. 2,482,175, Sept. 20.
 Detachable utensil handle. E. A. Kraemer. 2,487,559, Nov. 8.
 Detachable wheel. E. C. Hauser. 2,491,976, Dec. 20.
 Detachable wheel golf club carrier. C. W. Nelson. 2,480,597, Aug. 30.
 Detecting and locating system, Object. W. W. Hansen and R. H. Varian. 2,468,751, May 3.
 Detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,799, Feb. 15.
 Detecting device, Radiation. G. Herzog. 2,489,133, Nov. 22.
 Detecting flaws, Method and apparatus for. W. C. Barnes and H. W. Keevil. 2,461,252, Feb. 8.
 Detecting flaws, Method and apparatus for. W. C. Barnes and H. W. Keevil. 2,472,784, June 14.
 Detecting ionization. J. S. Allen and B. B. Rossi. 2,485,469, Oct. 18.
 Detecting means, Hot journal box. H. F. Kent. 2,475,030, July 5.
 Detecting mud films on exposed rock strata. M. Muskat and N. D. Coggeshall. 2,484,422, Oct. 11.
 Detecting presence and movement of bodies. J. L. Barker. 2,477,567, Aug. 2.
 Detecting radiations, Method and apparatus for. R. E. Fearon. 2,472,153, June 7.
 Detecting system, Signal. W. G. Abraham. 2,478,734, Aug. 9.
 Detecting wear on bits. J. B. Warren, Jr. 2,468,905, May 3.
 Detection and counting of traveling pulses, Differential. L. L. Young. 2,479,802, Aug. 23.
 Detection apparatus, Electric. W. F. Wolfner, II. 2,483,450, Oct. 4.
 Detection of emanations from materials and measurement of the volumes thereof. T. G. Hieronymus. 2,482,773, Sept. 27.
 Detection of high-frequency electric oscillations. J. L. Lawson. 2,472,378, June 7.
 Detection of impurities. R. D. McDill. 2,470,511, May 17.
 Detection of water in fuels. H. Friedman, W. A. Zisman, and M. V. Sullivan. 2,487,797, Nov. 15.
 Detection system. E. P. Feich, Jr., F. G. Merrill, and T. Slonczewski. 2,488,389, Nov. 15.
 Detection system. T. Slonczewski. 2,488,341, Nov. 15.
 Detector. L. E. Norton. 2,465,743, Mar. 29.
 Detector and control for gyroscopes, Tilt. H. E. Webber. 2,478,956, Aug. 16.
 Detector and indicator system, Standing wave. D. Blitz. 2,472,785, June 14.
 Detector and making same, Neutron. P. G. Koontz. 2,491,320, Dec. 13.
 Detector and self-checking electrical apparatus for the control thereof, Hot bearing. A. B. Miller. 2,478,000, Aug. 2.
 Detector and signal for airplanes, Smoke. C. N. Cahusac and F. B. Allen. 2,464,211, Mar. 15.
 Detector and signal for ducts, Smoke. C. N. Cahusac. 2,474,221, June 28.
 Detector and signal, Smoke. C. N. Cahusac and D. A. Diehl. 2,476,958, July 26.
 Detector and velocity indicator, Object. J. R. Woodyard, E. L. Ginzton, and V. R. Learned. 2,491,542, Dec. 20.
 Detector, Angle modulated carrier wave. G. C. Szklai. 2,470,731, May 17.
 Detector bar switch lock. W. R. Gracey, Jr. 2,482,267, Sept. 20.
 Detector circuits, Limiting. M. G. Crosby. 2,470,240, May 17.
 Detector, Distillation vapor loss. A. A. Andreasen and G. M. Rust. 2,470,230, May 17.

- Detector, Electric weft. R. F. Dion. 2,486,009, Oct. 25.
 Detector, Electronic wheel slip. C. M. Hines. 2,468,199, Apr. 26.
 Detector, Flat tire. C. L. Kite. 2,479,371, Aug. 16.
 Detector for electronic controls, Half cycle. E. C. Hartwig. 2,491,975, Dec. 20.
 Detector for fuel systems, Water. L. G. Legler. 2,463,703, Mar. 8.
 Detector for hyperfrequencies, Diode. P. A. Cole and J. B. H. Kuper. 2,468,655, Apr. 26.
 Detector for looms, Electric weft. A. C. Krukoni. 2,479,845, Aug. 23.
 Detector for looms, Electric weft. J. C. Manoog and W. H. Wakefield. 2,462,326, Feb. 22.
 Detector for looms, Electric weft. H. A. Whitin. 2,488,951, Nov. 22.
 Detector for shuttle changing looms, Electric weft. H. A. Whitin. 2,488,950, Nov. 22.
 Detector for transmission lines, Fault. H. Payne. 2,459,239, Jan. 18.
 Detector, Frequency and phase modulation. H. Goldberg. 2,483,195, Sept. 27.
 Detector, Gas. N. E. Lindström. 2,458,610, Jan. 11.
 Detector, High-low impedance electron tube. H. H. Wittenberg. 2,460,160, Jan. 25.
 Detector, Hot bearing. A. B. Miller. 2,486,753, Nov. 1.
 Detector, Ice. H. Friedman and L. Wolfe. 2,480,846, Sept. 6.
 Detector, Interference reducing amplitude modulation. D. D. Grieg. 2,471,427, May 31.
 Detector, Inverse modulation. D. G. C. Hare. 2,480,575, Aug. 30.
 Detector, Leak. T. C. Rothfus. 2,458,101, Jan. 4.
 Detector, Magnetic. W. E. Kahl. 2,477,337, July 26.
 Detector means, Ice. W. B. Pond. 2,476,217, July 12.
 Detector mechanism, Rail flaw. H. C. Drake. 2,477,971, Aug. 2.
 Detector mechanism, Rail flaw. W. E. Mesh. 2,467,328, Apr. 12.
 Detector, Metal. P. C. Michel. 2,489,920, Nov. 29.
 Detector, Neutron. E. G. Segré, and C. E. Wiegand. 2,491,220, Dec. 13.
 Detector, Radiant energy. W. Sackville. 2,459,185, Jan. 18.
 Detector, Radiation. W. R. Baker. 2,474,773, June 28.
 Detector, Radiation. K. C. Crumrine. 2,462,471, Feb. 22.
 Detector, Radiation. D. G. C. Hare. 2,486,944, Nov. 1.
 Detector, Sealed heat ray. E. J. Martin, and G. G. Scott. 2,491,192, Dec. 13.
 Detector, Seismic. A. C. Winterhalter. 2,478,517, Aug. 9.
 Detector, Short circuit. L. L. Simkins. 2,469,703, May 10.
 Detector system. C. H. Hoepfner. 2,466,705, Apr. 12.
 Detector, Weft. S. F. Siciliano. 2,470,527, May 17.
 Detent for cartridge type door hinges. A. J. Swanson. 2,485,937, Oct. 25.
 Detergent and making same, Water softening. E. A. Robinson. 2,473,822, June 21.
 Detergent and preparation of, Sulfonated. A. H. Lewis. 2,477,383, July 26.
 Detergent composition. D. R. Byerly. 2,486,921, Nov. 1.
 Detergent composition. J. D. Malkemus. 2,491,992, Dec. 20.
 Detergent composition. M. M. Morris and A. K. Kleeman. 2,471,645, May 31.
 Detergent composition. H. H. Young and D. Rubinstein. 2,483,253, Sept. 27.
 Detergent composition, Stabilized. B. Strain. 2,486,922, Nov. 1.
 Detergent composition, Synthetic. G. E. Barker. 2,469,493, May 10.
 Detergent compositions, Preparation of nondusting organic. R. B. Colgate, E. E. Dreger, and K. L. Russell. 2,489,955, Nov. 29.
 Detergent compositions, Synthetic. J. D. Malkemus. 2,462,758, Feb. 22.
 Detergent, Producing a free-flowing granular nonsoap. B. C. Hafford and J. S. Parsons. 2,480,730, Aug. 30.
 Detergent products and their preparation. S. J. Holuba. 2,480,579, Aug. 30.
 Detergent rubber compound and producing same. W. Romaine, Jr. 2,466,826, Apr. 12.
 Detergent, Soapless-germically active. F. C. Bersworth. 2,474,412, June 28.
 Detergents and making them. E. E. Dreger and J. Ross. 2,462,831, Mar. 1.
 Determination and control of moisture content in gaseous media. O. J. Leone. 2,489,455, Nov. 29.
 Determination of chromium compounds in gaseous atmospheres. L. Silverman and J. F. Ege, Jr. 2,483,108, Sept. 27.
 Determination of the content of a mineral in ores and the like. R. C. Ø. Wiig. 2,489,066, Nov. 22.
 Determining columbium in iron and steel. J. W. Hilliard. 2,482,850, Sept. 27.
 Determining depth and current direction, Method and apparatus for. L. H. Taylor. 2,464,834, Mar. 22.
 Determining gas content, Method of and apparatus for magnetically. A. J. Hornfeck. 2,487,211, Apr. 12.
 Determining means for typewriting machines, First line position. E. L. Wise. 2,486,901, Nov. 1.
 Determining range. G. J. Eitz. 2,475,598, July 12.
 Determining the activity of metallic catalysts. F. J. McNamara. 2,492,651, Dec. 27.
 Determining the apparent viscosity of a grease, Continuous method for. J. C. Zimmer and A. Beerbower. 2,459,483, Jan. 18.
 Determining the fluid content of well cores. M. Muskat and N. D. Coggeshall. 2,458,093, Jan. 4.
 Determining the inclination of substrata, Method and apparatus for. G. Herzog. 2,464,930, Mar. 22.
 Determining the solidification time of a casting. C. E. Sims, S. L. Case, and C. G. McCabe. 2,464,948, Mar. 22.
 Determining the three-dimensional direction of approach of an electromagnetic wave front, Method and apparatus for. J. Y. Houghton. 2,459,165, Jan. 18.
 Determining transmission line attenuation. J. M. Miller. 2,476,992, July 26.
 Detonation meter for combustion motors. S. L. de Bruin. 2,475,377, July 5.
 Detonator. J. D. Jordan. 2,458,473, Jan. 4.
 Detonator, Concussion. L. H. Chase. 2,465,009, Mar. 22.
 Developer, Plate. J. T. Campbell. 2,458,561, Jan. 11.
 Developing apparatus with easily accessible tanks and conveyers, Photographic. A. Brieche. 2,475,658, July 12.
 Developing high magnetic permeability and low core loss in very thin silicon steel. M. F. Littmann. 2,473,156, June 14.
 Developing machine for photosensitive sheets having automatic gas delivery, Gas. H. H. and W. L. Sullivan, and F. G. Wilde. 2,475,809, July 12.
 Developing machine with proportional gas and paper feeds. F. O. Trump. 2,475,165, July 5.
 Developing rack. C. J. Hughey. 2,475,964, July 12.
 Developing tank for developing photographic films. S. Freeman. 2,484,378, Oct. 11.
 Deviation correction for cathode-ray beams. A. C. Munster. 2,457,911, Jan. 4.
 Deviation correction for cathode-ray beams. A. C. Munster and D. E. Sunstein. 2,458,291, Jan. 4.
 Device and process for twisting and spinning. E. C. Gwaltney. 2,473,520, June 21.
 Device and signal means for circuit breakers, Protective. A. G. Steinmayer. 2,468,645, Apr. 26.
 Device comprising a cathode-ray oscillograph adapted to make at least two measuring voltages simultaneously perceptible. E. E. Carpentier. 2,466,207, Apr. 5.
 Device comprising a current converting tube. J. G. W. Mulder. 2,459,284, Jan. 18.
 Device comprising a gaseous discharge tube. F. C. van Looy and P. Schouwstra. 2,480,060, Aug. 23.
 Device feeding knives in rotary tobacco cutting machines. G. Dearsley. 2,484,403, Oct. 11.
 Device for absorbing oscillations. M. F. A. Julien. 2,466,110, Apr. 5.
 Device for accelerating reactions. F. G. Firth. 2,489,768, Nov. 29.
 Device for adjusting guy lines. L. P. Frieder and W. S. Finken. 2,489,631, Nov. 29.
 Device for adjusting the stereophonic effect in devices for stereophonic transmission. K. de Boer and R. Vermeulen. 2,481,911, Sept. 13.
 Device for admitting preheated secondary air into furnace fireboxes. E. L. Wiedman. 2,488,152, Nov. 15.
 Device for aerating water in minnow buckets or the like. H. H. Rauh. 2,483,561, Oct. 4.
 Device for and art of adhesively attaching labels and other sheets to articles. G. W. von Hofe. 2,489,837, Nov. 29.
 Device for and method of setting spark plug electrodes. L. M. Oden, Sr. 2,481,530, Sept. 13.
 Device for applying elastic gaskets to disk members. A. Repas. 2,485,166, Oct. 18.
 Device for applying liquid fertilizer. P. C. Anderson. 2,475,686, July 12.
 Device for applying new tread material to tires. T. P. Bacon, Jr. 2,474,511, June 28.
 Device for artificially generating speech sounds by electrical means. R. Vermeulen and W. Six. 2,458,227, Jan. 4.
 Device for assembling letter sheets and the like. C. A. McKune. 2,482,357, Sept. 20.
 Device for assuming and maintaining curved configurations. W. J. Mead. 2,488,923, Nov. 22.
 Device for attaching metal baling ribbons to anchorage plates. F. A. Singley. 2,458,747, Jan. 11.
 Device for attaching slide valves to liquid delivery tubes. J. A. Hopwood. 2,476,604, July 19.
 Device for attracting fish. A. H. Stark. 2,465,127, Mar. 22.
 Device for automatic stitching of cardboard boxes. O. E. Larsson. 2,489,909, Nov. 29.
 Device for beating time in teaching music. R. E. Weiss. 2,471,990, May 31.
 Device for bonding brake linings to brake shoes. J. N. Kuzmick. 2,478,405, Aug. 9.
 Device for booming lifeboats. C. L. Montanti. 2,475,043, July 5.
 Device for breaking up liquid droplets in a gas stream. J. R. Alburger. 2,484,778, Oct. 11.
 Device for broiling foods. L. E. Mendel, F. J. Port, and C. J. Buhman. 2,492,053, Dec. 20.
 Device for calculating photographic exposure. D. W. Norwood. 2,489,664, Nov. 29.
 Device for casting. G. A. Rubissow. 2,464,721, Mar. 15.
 Device for catching and handling farm animals. H. McKee. 2,475,192, July 5.

- Device for catching broken threads. C. Caille. 2,481,197, Sept. 8.
- Device for centering the spindle of machine tools. F. W. Turrettini. 2,483,743, Oct. 4.
- Device for centralizing strip material. A. M. MacPheat. 2,479,949-50, Aug. 23.
- Device for cleaning rakes. C. L. Davis. 2,480,910, Sept. 6.
- Device for combing warp threads in circular weaving looms. H. Pelcé. 2,477,082, July 26.
- Device for compounding mixed drinks. G. P. Le Moyné. 2,468,987, May 3.
- Device for continuous pressure politization, Portable. O. E. Reynolds and G. G. Loyal. 2,458,959, Jan. 11.
- Device for control of urination. A. J. Williams. 2,483,079, Sept. 27.
- Device for controlling movable members of machines. C. W. Berthiez. 2,466,193, Apr. 5.
- Device for controlling oscillating circuits. C. A. Wiley. 2,473,556, June 21.
- Device for controlling the buoyancy of subfloating bodies. R. C. Duncan and A. H. Sellman. 2,482,106, Sept. 20.
- Device for controlling the release of high-pressure fluid mediums. H. C. Grant, Jr., and A. E. Reichard. 2,471,425, May 31.
- Device for controlling the swing of trailer vehicles. W. T. Hanna. 2,461,212, Feb. 8.
- Device for controlling the tightness of expanded tube joints. R. A. Gilman. 2,471,614, May 31.
- Device for controlling the turrets of automatic lathes. E. Bodmer. 2,464,845, Mar. 22.
- Device for cooking or broiling ovens, Shelf elevating. M. G. Klemme. 2,480,250, Aug. 30.
- Device for converting a saw tooth-shaped voltage of a comparatively low frequency into a saw tooth-shaped current. J. Haantjes. 2,459,278, Jan. 18.
- Device for converting a signal of variable amplitude into pulses of constant frequency and variable duration. K. Posthumus. 2,471,168, May 24.
- Device for coring and cutting grapefruit. M. W. Wood. 2,468,282, Apr. 26.
- Device for creating vacuums. H. M. Berner. 2,478,561, Aug. 9.
- Device for crimping tubular articles. F. M. Anthony. 2,469,426, May 10.
- Device for cutting channels in stone or masonry. A. Siftar. 2,487,277, Nov. 8.
- Device for dehairing animal hides and pelts. F. L. and R. F. Newby. 2,483,348, Sept. 27.
- Device for depilatory purposes. E. Kerr. 2,458,911, Jan. 11.
- Device for detaching type plates from magnetic chases. A. R. Bone. 2,481,191, Sept. 6.
- Device for detecting pulses modulated by a signal to be reproduced. K. Posthumus. 2,467,775, Apr. 19.
- Device for determining color temperatures of light sources. E. J. Nicholson. 2,475,108, July 5.
- Device for determining departures from level of a machine element. G. Ehrenberg. 2,467,733, Apr. 19.
- Device for determining lengths of truss components. J. D. Shearouse. 2,465,663, Mar. 29.
- Device for determining optimum conditions for photographic printing processes using two photocells receiving light from two moving beams. A. Simmon. 2,480,424, Aug. 30.
- Device for determining the depth of liquids. I. D. Eby. 2,471,026, May 24.
- Device for differential motion. W. Kimmich. 2,492,752, Dec. 27.
- Device for dispensing and applying pressure-sensitive adhesive tape. G. H. Fritzinger. 2,486,470, Nov. 1.
- Device for dispensing liquid fuel into combustion air of furnaces. A. H. Rosenthal. 2,481,620, Sept. 13.
- Device for dispensing lubricating oil. F. G. Bates. 2,486,245, Oct. 25.
- Device for dispensing matches. S. E. Rahe. 2,469,052, May 3.
- Device for electrically treating liquids. W. Dubilier. 2,490,730, Dec. 6.
- Device for embracingly holding gloves. V. M. and C. S. Kindlund. 2,487,339, Nov. 8.
- Device for enlarging or reducing outlines of an image in color printing. J. Felder. 2,463,093, Mar. 1.
- Device for enlarging pictures. A. A. D'Orazi. 2,472,148, June 7.
- Device for expelling static charges from dielectrical substances. H. R. Johnson. 2,473,751, June 21.
- Device for fastening gaskets to crankcases. A. Burrows. 2,491,085, Dec. 13.
- Device for feeding and tensioning raw cordage in the production of coiled cords. J. E. Bosh. 2,478,454, Aug. 9.
- Device for feeding strip material. H. E. Rue. 2,468,236, Apr. 26.
- Device for feminine hygiene. S. T. Handel. 2,484,290, Oct. 11.
- Device for filing circular saws. W. G. Shearer. 2,482,694, Sept. 20.
- Device for filing type matrices. C. A. Carlton. 2,474,465, June 28.
- Device for finely setting compass points. A. S. McDonnell. 2,465,108, Mar. 22.
- Device for flanging can bodies. O. J. Tofanelli. 2,491,535, Dec. 20.
- Device for folding box blanks. E. Landolt. 2,478,631, Aug. 9.
- Device for forming and projecting composite images. W. W. Wood. 2,488,955, Nov. 22.
- Device for forming concrete steps. A. M. Woods. 2,489,604, Nov. 29.
- Device for gauging and bagging a group of articles. N. V. Baum. 2,476,475, July 19.
- Device for gauging the setting of fastener elements on tapes. J. P. Treციokas. 2,477,101, July 26.
- Device for generating segmental spherical surfaces. J. E. Kline. 2,463,698, Mar. 8.
- Device for generating ultra high-frequency oscillations by means of a discharge tube. F. M. Penning and C. Verburg. 2,467,153, Apr. 12.
- Device for grinding and grating food. C. Matarrese. 2,483,472, Oct. 4.
- Device for gripping, lifting, and handling an annular group of articles such as electrical coils. J. B. Leece. 2,476,745, July 19.
- Device for guiding thin film bands. J. A. Haringx. 2,475,743, July 12.
- Device for handling mowers. P. Griffin. 2,476,188, July 12.
- Device for handling patients. W. H. Benedict. 2,480,314, Aug. 30.
- Device for heat sealing seams. M. Staw. 2,473,552, June 21.
- Device for heating, cooling, or radiating liquids. R. del Cueto. 2,470,806, May 24.
- Device for heating large rooms. H. Borghesan. 2,488,800, Nov. 22.
- Device for heat-treating magnetic materials. K. W. Pfeiffer. 2,482,364, Sept. 20.
- Device for holding and setting jointer knives. M. A. Lord. 2,481,936, Sept. 13.
- Device for holding dentures. P. R. Skinner. 2,467,163, Apr. 12.
- Device for holding food products and the like. J. H. Pritchard. 2,479,700, Aug. 23.
- Device for holding the pages of loose-leaf books in open position. J. E. Dalton. 2,479,215, Aug. 16.
- Device for holding window sashes in open position. J. and C. J. Celec. 2,492,522, Dec. 27.
- Device for indicating the movements to be executed by machine tools. M. Pégard. 2,488,324, Nov. 15.
- Device for indicating the sum of the intensity and duration of sound. R. W. Stanmyre. 2,469,282, May 3.
- Device for indicating the time of exposure for photographic enlargements. M. E. Bernard. 2,462,937, Mar. 1.
- Device for injecting penicillin or similar liquids. H. G. Willis. 2,481,636, Sept. 13.
- Device for inserting cushion pads, Fluid pressure operated. H. A. Smith. 2,457,930, Jan. 4.
- Device for inspecting feed perforated strips. C. E. Phillimore. 2,469,608, May 10.
- Device for installing wall and ceiling board. F. J. Arnould. 2,496,166, Dec. 6.
- Device for keeping bags open while being filled. H. Schultheiss. 2,488,782, Nov. 22.
- Device for laterally supporting elongated members while under longitudinal compressive stress. J. C. Fitzmaurice and W. F. S. Bidwell. 2,488,279, Nov. 15.
- Device for lifting and transporting objects. A. J. Bevinno. 2,473,410, June 14.
- Device for locating faults in cables. H. S. Dimmick and F. S. Jenkins. 2,471,417, May 31.
- Device for locating submerged articles. W. E. Cardinal. 2,479,098, Aug. 16.
- Device for lock keys, Ejector. J. A. Rumsey. 2,488,240, Nov. 15.
- Device for locking the strip-tightening shaft of buffing wheels or the like. G. A. Saalinger. 2,475,555, July 5.
- Device for magnetically determining thickness of coatings. M. F. Reynst. 2,481,345, Sept. 6.
- Device for magnetically trapping metal particles. R. E. Willard. 2,464,628, Mar. 15.
- Device for making indicia for watch dials or the like. B. Dupertuis. 2,466,585, Apr. 5.
- Device for making the points of collars, cuffs and the like. G. Germain. 2,478,095, Aug. 2.
- Device for manufacturing thin-walled containers open at one end. J. Keller. Re. 23,095, Mar. 29.
- Device for measuring fiber density of a sliver. E. L. Richardson. 2,465,818, Mar. 29.
- Device for measuring signal frequencies. H. H. Grimm. 2,491,494, Dec. 20.
- Device for measuring the pressure exerted on cutting tools. A. T. Hughes. 2,477,457, July 26.
- Device for measuring the thickness of walls or the like subject to erosion. H. Y. Lankford. 2,470,498, May 17.
- Device for measuring thermal conductivity. C. B. Hood, Jr., W. Jones, and H. L. Johnston. 2,475,138, July 5.
- Device for medical examination with the aid of X-rays. D. E. Berggren. 2,490,400, Dec. 6.
- Device for mixing dental amalgams. J. H. Downer. 2,458,692, Jan. 11.
- Device for modifying electrical signals. A. Simmon. 2,474,380, June 28.
- Device for moistening tape and other articles. N. D. Mussett. 2,482,989, Sept. 27.
- Device for molding and coating pipes and like articles. J. L. A. Contenson. 2,470,068, May 10.

- Device for mounting selective multiple pulleys upon an electric motor drive shaft. B. Dowick. 2,462,470, Feb. 22.
- Device for mounting tire bead rings upon the bead applying annulus of tire building machines. W. J. Breth. 2,477,718, Aug. 2.
- Device for observing the operation of vacuum cleaners, dirt entrapping. A. H. Beede. 2,467,652, Apr. 19.
- Device for obtaining a stereoscopic image in cinematographic projections. P. J. J. Terec. 2,467,059, Apr. 12.
- Device for obtaining peristoscopic macrophotographs and X-ray photographs. M. Bonnet. 2,492,520, Dec. 27.
- Device for optically checking dirigible wheels. T. Carrigan, H. G. Holmes, and C. A. Shoemaker. 2,470,090, May 17.
- Device for ornamental and advertising purposes, Animated. J. S. Thatcher. 2,488,483, Nov. 15.
- Device for passing a rotary shaft through a wall in a gastight manner. W. J. Van Heeckeren. 2,488,784, Nov. 22.
- Device for playing "salvo." A. M. Zalkind. 2,460,208, Jan. 25.
- Device for portrayal of complex waves. R. K. Potter. 2,492,062, Dec. 20.
- Device for positioning a sheet and for indicating the approach of the sheet end on a typewriter. R. Glauque. 2,463,259, Mar. 1.
- Device for positioning the bearing retaining ring in drive shaft assemblies. G. J. Worel. 2,467,416, Apr. 19.
- Device for precision recording of X-ray diffraction patterns. C. L. Christ and E. F. Champayne. 2,490,674, Dec. 6.
- Device for preventing cinder eruptions from blast furnaces. H. G. Hard. 2,482,709, Sept. 20.
- Device for processing fur or the like, Portable. M. Koch. 2,489,900, Nov. 29.
- Device for producing fluid under pressure and for maintaining said pressure. E. R. Martens. 2,491,675, Dec. 20.
- Device for producing oscillations. C. Verburg and F. M. Penning. 2,464,106, Mar. 8.
- Device for producing rectilinear movement of the optical assembly in cinematograph apparatus. A. Bécote. 2,471,715, May 31.
- Device for producing typewritten master sheets. C. A. Bergsten. 2,465,994, Apr. 5.
- Device for projecting pulverized material. A. M. Lee. 2,491,118, Dec. 13.
- Device for proportioning liquid mixtures. J. S. Maltese. 2,469,305, May 3.
- Device for rapidly drying hair. F. O. Conill. 2,466,535, Apr. 5.
- Device for recording grocery wantlists. E. Stiles. 2,460,549, Feb. 1.
- Device for reducing thickness of thin sheet materials. C. W. Hansell. 2,479,353, Aug. 16.
- Device for reduction of cross talk between different lines at switches for distribution of programs. N. V. Peterson. 2,467,494, Apr. 19.
- Device for registration of superimposed films. J. M. Andreas. 2,484,871, Oct. 18.
- Device for removing and replacing railroad ties. E. W. Maves. 2,466,608, Apr. 5.
- Device for removing hairpins. W. H. Moore and L. B. Fuller. 2,479,248, Aug. 16.
- Device for repeated frequent starting and stopping of oscillation generators. J. Stivin. 2,486,504, Nov. 1.
- Device for restoring to shape the walls of deformed sheet-metal boxes and their lids. T. R. Neutelings. 2,461,839, Feb. 15.
- Device for sampling molten metal in a ladle or the like. H. N. Hubbard and E. F. Ketterer. 2,485,492, Oct. 18.
- Device for securing an element of an oscillating electric circuit to a support. C. Piton. 2,461,441, Feb. 8.
- Device for securing manway covers. A. Weissman. 2,476,009, July 12.
- Device for securing reels to fishing rods. H. A. Liberty. 2,487,346, Nov. 8.
- Device for separating leaves, stems, and other material from hops. G. R. and Z. Anderson. 2,481,897, Sept. 13.
- Device for sharpening cutlery. W. E. and E. C. Fleming. 2,474,622, June 28.
- Device for sharpening cutlery. W. E. Fleming. 2,474,623, June 28.
- Device for shutting off sprinkler valves. H. A. Seifried. 2,491,835, Dec. 20.
- Device for sifting and measuring flour and the like. T. D. Di Addario. 2,476,483, July 19.
- Device for simulating automatic radio compass indications in ground trainers. C. W. Muller. 2,460,305, Feb. 1.
- Device for simulating runway localizer and glide path beams for training purposes. G. C. Melvin, P. C. Jones, and S. B. White. 2,471,439, May 31.
- Device for slicing dough. R. E. Pennell. 2,489,667, Nov. 29.
- Device for softening beards. H. C. Wesley, Sr. 2,473,926, June 21.
- Device for solving equations. W. C. Johnson. 2,461,738, Feb. 15.
- Device for stabilizing trailers. C. M. Wakeman. 2,470,383, May 17.
- Device for stereophonic sound transmission in two channels. K. de Boer. 2,481,576, Sept. 13.
- Device for straightening toes. B. M. Baltor. 2,471,997, May 31.
- Device for stretching, crimping, and twisting crepe paper. C. E. Stephenson. 2,464,657, Mar. 15.
- Device for supporting infants while bathing. V. Pribil. 2,460,308, Feb. 1.
- Device for swinging ship. F. J. Van Dusen and W. A. Burke. 2,466,753, Apr. 12.
- Device for taking composite motion pictures. A. P. Dufour. 2,488,177, Nov. 15.
- Device for tapping beer barrels. R. Swartley. 2,481,258, Sept. 6.
- Device for teaching arithmetic. A. E. Rogers. 2,472,439, June 7.
- Device for teaching music. W. H. Coleman. 2,473,988, June 21.
- Device for telegraph repeaters, Antikickoff. R. B. Hearn and C. B. Sulliff. 2,467,310, Apr. 12.
- Device for tensioning yarn. C. B. Kingsbury. 2,492,581, Dec. 27.
- Device for testing the eccentricity of optical elements. M. G. Townsley. 2,478,609, Aug. 9.
- Device for the alternating voltage supply of a load. K. Posthumus. 2,485,773, Oct. 25.
- Device for the band-spread tuning of radio apparatus. J. van der Heem. 2,486,692, Nov. 1.
- Device for the disposal of snow and ice. A. J. Cayas. 2,481,199, Sept. 6.
- Device for the measurement of lengths. F. Turrettini. 2,471,050, May 24.
- Device for the self-adjustment of the height of motor vehicles above the ground. G. Levesque du Rostu. 2,490,311, Dec. 6.
- Device for thermal receivers, Protective. A. A. C. Bayle. 2,472,879, June 14.
- Device for timing telephone calls. S. F. Dunning. 2,492,381, Dec. 27.
- Device for transmitting and receiving compressional waves. H. Benioff. 2,473,354, June 14.
- Device for treating timber. C. J. Gregory. 2,462,486, Feb. 22.
- Device for turning platform covers on slip-lasted shoes. W. W. Prue. 2,480,962, Sept. 6.
- Device for turning slender work. M. R. Karge. 2,464,813, Mar. 22.
- Device for use in connection with defrosting refrigerators. I. W. Taft. 2,457,851, Jan. 4.
- Device for use in constructing maps from aerial photographs. E. J. Schlatter. 2,481,246, Sept. 6.
- Device for use with enclosed bus bar distribution systems, Protective. W. H. Frank. 2,458,583, Jan. 11.
- Device for using adhesive tape. G. H. Fritzinger. 2,486,471, Nov. 1.
- Device for winding fish poles. R. E. Foster. 2,486,739, Nov. 1.
- Device for wrapping newspapers and the like. G. L. Bolard. 2,490,407, Dec. 6.
- Device for X-ray apparatus, Exposure selecting. R. H. Morgan and P. C. Hodges. 2,488,315, Nov. 15.
- Device in aid of spastics. G. V. Koster. 2,492,920, Dec. 27.
- Device on refuse collecting vehicles for emptying refuse pails. J. Ochsner. 2,488,429, Nov. 15.
- Device on which to form miniature ladders, etc. F. Spano. 2,473,398, June 14.
- Device responsive to variable density. C. D. Branson. 2,491,548, Dec. 20.
- Device to aid in the plotting of curves. W. Savilatz. 2,466,559, Apr. 5.
- Device to form teeth in the edge of a knife. L. Pavesi and F. F. Rodoni. 2,471,699, May 31.
- Device to reproduce timing disks. H. E. McCoy. 2,473,536, June 21.
- Device used in golfing. J. A. Vandal. 2,475,763, July 12.
- Dewatering apparatus. H. A. Skinner. 2,463,814, Mar. 8.
- Dewatering process. J. E. Greenawalt. 2,481,110, Sept. 6.
- Dewaxing oil and continuous rotary filter therefor. W. C. Long and H. O. Button. 2,484,304, Oct. 11.
- Dewaxing, Solvent. L. E. Boudreaux and O. R. Mitchell. 2,478,456, Aug. 9.
- Dewaxing, Solvent. R. T. Edwards and R. B. Killingsworth. 2,478,472, Aug. 9.
- Dew-point indicator. O. L. Graves and R. Bishop. 2,459,810, Jan. 25.
- Diacyl, Preparation of. T. Kritchevsky. 2,462,107, Feb. 22.
- Dial display device for indicating mechanisms. J. R. Oliver. 2,489,430, Nov. 29.
- Dial gauge. G. P. Bosomworth. 2,459,749, Jan. 18.
- Dial having polarizing elements, Illuminated. A. K. Gaetjens. 2,482,410, Sept. 20.
- Dial Indicating. R. K. Le Blond and H. C. Kemper. 2,492,229, Dec. 27.
- Dial light. M. W. Bossert and A. G. Josephson. 2,480,393, Aug. 30.
- Dial, Micrometer adjusting. A. K. Watcher. 2,492,545, Dec. 27.
- Dial mounting. E. B. Moss. 2,473,291, June 14.
- Dial, Radio receiver indicator. J. P. Barnes. 2,464,368, Mar. 15.
- Dial scale, Floating. G. Guldbrandsen. 2,464,445, Mar. 15.
- Dial, Telephone calling. C. C. McCain. 2,469,974, May 10.

- Dial telephone lock. B. Zion. 2,469,806, May 10.
 Dialphaticaminoalkylcardanol. A. J. Revukas. 2,489,672, Nov. 29.
 Dialkyl-carbamic-acid esters of dialkyl-aminoethanols, Producing. J. F. Mahoney. 2,483,141, Sept. 27.
 Dialkyl haloacetals, Stabilization of. H. Beller. 2,484,330, Oct. 11.
 Dialkylidene diethers. J. W. Copenhaver. 2,487,525, Nov. 8.
 Dialkyl-substituted dihalogenosilanes, Preparation of. W. F. Gilliam. 2,464,033, Mar. 8.
 Di-alkylated mono-hydroxy phenol. G. H. Stillson and D. W. Sawyer. 2,459,597, Jan. 18.
 Diallyl dicarbamate, Making a. J. G. Lichty and N. V. Seeger. 2,464,519, Mar. 15.
 Diamines, Production of. V. E. Haury. 2,486,648, Nov. 1.
 Diamino compound. H. A. Bruson and W. D. Niederhauser. 2,460,733, Feb. 1.
 Diamino dianthrimide acridones. M. Scalera and A. W. Joyce. 2,468,605, Apr. 26.
 Diamond abrasive. R. F. Cline. 2,476,699, July 19.
 Diamond abrasive articles, Manufacture of. J. N. Kuzmick. 2,470,440, May 17.
 Diamond abrasive wheel. L. H. Milligan and R. H. Lombard. 2,479,078, Aug. 16.
 Diamond abrasive wheel. D. Reid, Jr. 2,479,079, Aug. 16.
 Diaper. M. S. Dayan. 2,483,756, Oct. 4.
 Diaper. E. L. Hughes. 2,476,869, July 19.
 Diaper, Absorbent pad. K. Hurst. 2,468,445, Apr. 26.
 Diaper drier. L. E. Ten Cate. 2,483,792, Oct. 4.
 Diaper holder. C. B. Birkie. 2,471,556, May 31.
 Diaper, Pinless adjustable. R. O. Webb. 2,477,914, Aug. 2.
 Diaper support. H. B. Carter. 2,474,724, June 28.
 Diaper, Weighted. D. Wilson. 2,482,049, Sept. 13.
 Diapers and like sheetlike materials. R. B. Seymour and G. M. Schroder. 2,486,805-6, Nov. 1.
 Diaphragm. J. T. Clark. 2,463,356, Mar. 1.
 Diaphragm control, Half-tone. R. P. Newick. 2,489,804, Nov. 29.
 Diaphragm, Making a. M. Caserta. 2,460,168, Jan. 25.
 Diaphragm pump. C. A. Erickson. 2,469,818, May 10.
 Diaphragm support member, Loud-speaker. H. S. Knowles. 2,469,773, May 10.
 Diaphragm type electromagnetic signal device. P. C. Reck. 2,486,679, Nov. 1.
 Diaphragm valve. B. L. Eastman. 2,487,226, Nov. 8.
 Di(aryl sulfonyl) peroxides as latent curing catalysts for acid-curing thermosetting materials. H. A. Walter. 2,467,280, Apr. 12.
 Diazoacetic esters, Preparation of. N. E. Searle. 2,490,714, Dec. 6.
 Diazoaminobenzene-phenolic compound catalyst combinations in butadiene-styrene emulsion polymerization. W. N. Stoops. 2,488,690, Nov. 22.
 Diazo prints utilizing resorcinol carbonamides as coupling components, Preparation of. F. W. Neumann. 2,467,358, Apr. 12.
 Diazotype compositions containing N-acylamino phenol couplers. W. H. von Glahn and L. N. Stanley. 2,485,122, Oct. 18.
 Diazotype light-sensitive layers containing 4-bromoresorcinol. W. H. von Glahn and L. N. Stanley. 2,490,605, Dec. 6.
 Diazotype materials derived from aryl diazo sulfones. J. A. Sprung and W. A. Schmidt. 2,465,760, Mar. 29.
 Diazotizable phthalocyanine derivatives and preparing same. N. H. Haddock, W. O. Jones, A. Parkinson, and G. A. Rowe. 2,479,491, Aug. 16.
 Dibble, Pipe smoker's. R. G. Kaufman. 2,460,937, Feb. 8.
 Dibenzylidene derivative of 2,2,6,6-tetramethylcyclohexanol. O. C. Dermer. 2,472,147, June 7.
 Dicarboxylic acid anhydrides, Producing. I. E. Levine and W. H. Claussen. 2,474,002, June 21.
 Dice agitating game device, Solenoid operated. B. E. Mills. 2,481,680, Sept. 13.
 Dichlorodiphenyltrichloroethane, Production of. E. A. Bruce, and C. W. Hagerman. 2,491,160, Dec. 13.
 Dichloro methyl sulfonyl chloride. S. R. Wood. 2,484,061, Oct. 11.
 Dictating and interoffice communicating system, Combination. A. P. Hornor. 2,485,381, Oct. 18.
 Dicyandiamide and aniline, Reacting. D. W. Jayne, Jr., and H. M. Day. 2,482,710, Sept. 20.
 Dicyandiamide hydrochloride. J. H. Paden and A. F. MacLean. 2,475,674, July 12.
 Die: See—
 Adjustable cutting and Joggle die.
 marking die. Shaping die.
 Embossing die. Staple setting die.
 Extrusion die. Supplemental forging press die.
 Hydraulic die. press die.
 Die. D. C. Disbennet. 2,476,359, July 19.
 Die and die set for shoe parts and the like. F. Wunder. 2,473,837, June 21.
 Die assembly for shaping curing rings. E. A. Glynn. 2,487,125, Apr. 12.
 Die, Bottle capping. A. H. Bedworth and L. G. Curtis. 2,469,191, May 3.
 Die casting apparatus. F. C. Bennett. 2,485,526, Oct. 18.
 Die-casting machine. W. B. Beuscher. 2,492,259, Dec. 27.
 Die casting machine. J. Galliano. 2,473,366, June 14.
 Die casting machine. S. Hiller and S. Hiller, Jr. 2,484,344, Oct. 11.
 Die casting machine. A. F. Jelinek. 2,485,290, Oct. 18.
 Die casting machine. L. H. Morin. 2,467,047, Apr. 12.
 Die castings, Forming and ejecting. L. H. Morin. 2,464,051, Mar. 8.
 Die creasing mechanism for corrugated paperboard, Rotary. N. A. Anderson. 2,475,868, July 12.
 Die for cutting-out presses as used in the manufacture of boots and shoes. G. S. Bostock and T. G. Sharples. 2,490,335, Dec. 6.
 Die for molded articles and making the same. L. S. Haskins. 2,462,269, Mar. 1.
 Die for printing presses of the platen type, Cutting. W. O. Crossley. 2,477,288, July 26.
 Die for tangent bending apparatus, Bending and anvil. L. B. Green. 2,476,596, July 19.
 Die for welding apparatus, Electrode. B. Stoudt and A. Giordano. 2,467,636, Apr. 19.
 Die head, Duplex. J. H. Sternbergh. 2,491,458, Dec. 13.
 Die head, Self-opening. R. M. Strickland. 2,471,250, May 24.
 Die press. H. N. Lewin. 2,465,734, Mar. 29.
 Die punch for bending flanged work with tangent bending apparatus, Expandable. L. B. Green. 2,476,595, July 19.
 Die punching machine. C. F. Williams. 2,466,291, Apr. 5.
 Die set with automatic stamping and/or punching removing means, Self-contained. C. H. Tauser. 2,459,053, Jan. 11.
 Die stock. E. H. Johnson. 2,491,665, Dec. 20.
 Die structure. A. M. Holm. 2,484,032, Oct. 11.
 Die unit, Blanking and cupping. R. E. Slater. 2,490,926, Dec. 13.
 Die unit for punching machines. F. A. Boyle. 2,489,559, Nov. 29.
 Dies. P. H. Brinkoeter. 2,472,515, June 7.
 Dies for extruding externally finned tubes, Producing. A. W. Hallberg. 2,461,640, Feb. 15.
 Dies, Making. F. E. McGary, E. Hochreiter, C. F. Schlecht and F. Shannon. 2,459,084, Jan. 11.
 Dies, Making. E. H. Porter and F. M. Bushway. 2,466,272, Apr. 5.
 Dies, Making metal drawing. C. D. Macpherson. 2,478,171, Aug. 9.
 Dies, Rotary. L. G. Robinson. 2,459,585, Jan. 18.
 Dielectric composition. F. M. Clark. 2,492,210, Dec. 27.
 Dielectric composition and making same. E. Wainer and A. N. Salomon. 2,469,584, May 10.
 Dielectric heating. J. W. Robertson. 2,485,659, Oct. 25.
 Dielectric heating, High-frequency. R. M. Baker. 2,483,569, Oct. 4.
 Dielectric materials, Testing. M. A. Elliott. 2,472,814, June 14.
 Dielectric sheet and manufacture. R. G. Quinn and J. C. Harkness. 2,485,458, Oct. 18.
 Diene addition product and making it. H. M. Teeter, C. R. Scholfield, and J. C. Cowan. 2,483,791, Oct. 4.
 Dienoestrol, Manufacture of. W. F. Short and G. I. Hobday. 2,464,203, Mar. 15.
 Dienophilic adduct resin intermediate. H. S. Bloch. 2,467,958, Apr. 19.
 Diesters of 1-ketophosphonic acids. M. L. Ernberger. 2,491,920, Dec. 20.
 Differential actuating mechanism. R. E. Boyden. 2,490,200, Dec. 6.
 Differential adjustment for condition responsive devices. C. W. Kuhn. 2,489,422, Nov. 29.
 Differential anesthesia valve. W. A. Pennington. 2,485,842, Oct. 25.
 Differential engine. P. M. Griffin. 2,467,305, Apr. 12.
 Differential, Fluid. A. A. Powell. 2,468,107, Apr. 26.
 Differential froth flotation of sulfide ores. C. M. Nokes, C. G. Quigley, and R. T. Pring. 2,492,936, Dec. 27.
 Differential lock. E. J. Cook. 2,459,870, Jan. 25.
 Differential protective systems, Desensitizing. A. W. Bateman. 2,483,119, Sept. 27.
 Differential screw jack. J. F. Grace. 2,485,280, Oct. 18.
 Differential transmission, Non-torque-equalizing. R. R. Randall. 2,481,873, Sept. 13.
 Differentiator. G. I. Bilyeu. 2,461,026, Feb. 8.
 Differentiator for smoothing target tracking data, Mechanical. R. B. Blackman. 2,476,269, July 19.
 Diffuser. P. Kollman. 2,490,066, Dec. 6.
 Diffusion battery and treatment, Continuous. H. F. Silver. 2,468,720, Apr. 26.
 Diffusion pump. G. R. Stoltenberg. 2,489,058, Nov. 22.
 Diffusion unit, Continuous. W. V. Morton. 2,466,259, Apr. 5.
 Digester control. J. M. McAlear. 2,490,533, Dec. 6.
 Digesting pulp by the alkaline process. S. D. Wells. 2,466,290, Apr. 5.
 Digger and loader, Power. O. B. Warnock and R. Benner. 2,469,187, May 3.
 Digger and sacker, Potato. M. B. Sample. 2,468,639, Apr. 26.
 Digger attachment, Posthole. H. B. Adams. 2,468,319, Apr. 26.
 Digger, One-man posthole. C. M. Cox. 2,461,373, Feb. 8.
 Digger, Peanut. R. B. Knowles. 2,466,113, Apr. 5.
 Digger, Posthole. L. E. Beck. 2,458,241, Jan. 4.
 Digger, Posthole. C. L. Brown. 2,478,233, Aug. 9.
 Digger, Posthole. L. L. Grosshart. 2,458,991, Jan. 11.
 Digger, Post hole. W. Ragoss. 2,490,471, Dec. 6.
 Digger, Root crop. L. Graves. 2,464,305, Mar. 15.
 Digger, Trench. T. K. Andersen. 2,491,793, Dec. 20.

- Digging tooth for excavating buckets. R. E. George. 2,472,892, June 14.
- Digitalis therapy. E. A. Ferguson, Jr. 2,486,937, Nov. 1.
- Dihydropyrogallol. H. M. Wuest. 2,489,695, Nov. 29.
- Dihydrosafrol derivatives. H. Wachs. 2,485,680, Oct. 25.
- Dihydroxy benzene, Allylation of. K. P. Monroe. 2,459,835, Jan. 25.
- Di(hydroxy methyl) dithiobiuret, Preparation of. R. L. Sperry. 2,459,725, Jan. 18.
- Diimidazoles and making same. C. Graenacher and F. Ackermann. 2,488,094, Nov. 15.
- Diisobutyl substituted heterocyclic compounds. J. B. Niederl. 2,483,838, Oct. 4.
- Dilator, Rectal. A. C. Tedford. 2,485,939, Oct. 25.
- Dilator, Urethral. F. J. Wallace. 2,469,906, May 10.
- Diluent in hydrocarbon synthesis process, Treatment of solid. S. D. Sumerford. 2,471,913, May 31.
- Dilution and hydrolysis of diethyl sulfate solutions. L. A. Bannon and C. E. Morrell. 2,474,568, June 28.
- Dilution and hydrolysis of diethyl sulfate solutions. L. A. Bannon. 2,474,569, June 28.
- Dimethyl silicone gums, Preparation of. M. M. Sprung. 2,472,629, June 7.
- Dimethyl terephthalate, Making. R. M. Cavanaugh and J. E. Lufkin. 2,459,014, Jan. 11.
- Dimitro alcohols and producing the same from unsaturated aldehydes. C. W. Smith. 2,475,996, July 12.
- Dimmer device for indicating lamps. H. R. Kirkland. 2,474,677, June 28.
- Dimmer, Headlight. J. T. Overstreet. 2,478,308, Aug. 9.
- Dimming lamp. A. Trask. 2,478,343, Aug. 9.
- Dimming system, Headlight. E. H. Schmidt, Jr. 2,476,389, July 19.
- Dimpling machine. H. R. Fischer. 2,457,992, Jan. 4.
- Dimpling tool. H. E. Veit and C. H. Krout. 2,483,799, Oct. 4.
- Dinette set. W. C. Dierickx. 2,461,684, Feb. 15.
- Dinitroparaffins, Preparation of. G. S. Crandall. 2,489,122, Nov. 22.
- Dinitroparaffins, Preparation of. J. H. McCracken and G. S. Crandall. 2,469,396, May 10.
- Dinitroparaffins, Preparation of. E. M. Nygaard and J. H. McCracken. 2,489,151, Nov. 22.
- Diol compounds and esters thereof. C. N. Zellner, and H. B. Granholm. 2,473,406, June 14.
- Diols and ester derivatives thereof, Preparation of. C. W. Smith. 2,471,391, May 24.
- Diolefin distillation. R. F. Howe. 2,473,203, June 14.
- Diolefin extraction. C. E. Morrell and M. W. Swaney. 2,467,845, Apr. 19.
- Diolefin-nitrile copolymer bath for shrinkproofing wool. J. B. Rust. 2,484,962, Oct. 18.
- Diolefin phosphonic acids and polymers thereof. G. M. Kosolapoff. 2,486,657, Nov. 1.
- Diolefin polymerization in the presence of ammonium soap emulsifier. B. M. Vanderbilt and F. Bascom. 2,461,358, Feb. 8.
- Diolefin-styrene-alkenylethynylcarbinol tripolymers. C. J. Mighton. 2,482,285, Sept. 20.
- Diolefins, Production of. M. O. Kilpatrick. 2,458,082, Jan. 4.
- Di(orthoacylaminoaryl)disulfide softeners for isoolefin-diolefin copolymers. P. T. Paul. 2,470,949, May 24.
- Di(orthoacylaminoaryl) disulfide softeners for rubbers. P. T. Paul. 2,470,945, May 24.
- Di(orthoacylaminoaryl) disulfide softeners for rubbers. P. T. Paul. 2,470,948, May 24.
- Dioxide reaction product, Petroleum extract-sulfur. E. S. Narracott. 2,485,911, Oct. 25.
- Dioxolane compound. N. L. Drake and W. J. Shenk. 2,492,692, Dec. 27.
- Dip co-ordinator. W. T. Knauth and R. B. Briggs. 2,460,642, Feb. 1.
- Dip device for minnows and the like. L. H. Heger. 2,480,924, Sept. 6.
- Dip net. R. E. Jennings and H. K. Snyder. 2,486,163, Oct. 25.
- Dip net, Foldable. K. C. Wallingford. 2,486,233, Oct. 25.
- Dipping apparatus, Bead. N. Hamburg. 2,488,535, Nov. 22.
- Dipping machine, Shingle. W. S. Sidwell. 2,459,294, Jan. 18.
- Diphenylamine compounds. J. B. Dickey and J. G. McNally. 2,470,095, May 17.
- Diphenylamine, Manufacture of. A. H. Widiger, Jr. 2,476,170, July 12.
- Diphenyldihaloethanes, Preparing. E. F. Meitzner and W. F. Hester. 2,464,600, Mar. 15.
- Diphenyltrihaloethane. W. E. Craig and W. F. Hester. 2,487,854, Nov. 15.
- Direct-current apparatus. F. P. Weiss. 2,472,134, June 7.
- Direct current insertion circuit. R. D. Keil. 2,463,038, Mar. 1.
- Direct-current type motor. A. M. Gorfin and L. Kardorff. 2,465,446, Mar. 29.
- Direct-reading gamma-measuring device using overlapping neutral density wedges. R. T. Lamb. 2,478,406, Aug. 9.
- Direct reading multifrequency generator. R. E. Colander. 2,476,840, July 19.
- Direction finder. G. S. Burroughs. 2,465,350, Mar. 29.
- Direction finder. H. G. Busignies. 2,463,475, Mar. 1.
- Direction finder. H. G. Busignies. 2,489,263, Nov. 29.
- Direction finder. H. G. Carter. 2,460,806, Feb. 8.
- Direction finder. F. O. Chesus and F. G. Thomas. 2,480,117, Aug. 30.
- Direction finder. T. H. Clark. 2,480,118, Aug. 30.
- Direction finder. M. K. Goldstein. 2,485,585, Oct. 25.
- Direction finder. L. J. Heaton-Armstrong. 2,489,290, Nov. 29.
- Direction finder. F. J. Lundburg. 2,465,382, Mar. 29.
- Direction finder. N. Marchand and F. O. Chesus. 2,489,304, Nov. 29.
- Direction finder. E. B. Moore. 2,485,627, Oct. 25.
- Direction finder. A. G. Richardson and A. G. Everhart. 2,468,109, Apr. 26.
- Direction finder. M. J. Schaeffer. 2,468,116, Apr. 26.
- Direction finder. C. G. Sontheimer. 2,458,310, Jan. 4.
- Direction finder, Compass stabilized. E. C. Streeter, Jr. 2,484,862, Oct. 18.
- Direction finder, Cathode-ray. E. G. Gage. 2,480,234, Aug. 30.
- Direction finder, Dipole antenna. H. G. Busignies. 2,492,354, Dec. 27.
- Direction finder, Direct reading radio. G. Guanella. 2,479,489, Aug. 16.
- Direction finder, Frequency controlled. T. H. Clark. 2,471,412, May 31.
- Direction finder, Radio. J. Aicardi. 2,479,892, Aug. 23.
- Direction finder, Radio. H. B. R. Boosman and C. J. de L. de la Sabloniere. 2,485,353, Oct. 18.
- Direction finder, Radio. G. S. Burroughs. 2,483,399, Oct. 4.
- Direction finder, Radio. J. M. Fairall. 2,489,276, Nov. 29.
- Direction finder, Radio. P. G. Hansel. 2,476,977, July 26.
- Direction finder, Radio. L. Levy. 2,475,190, July 5.
- Direction finder, Radio. N. E. Lindenblad. 2,458,280, Jan. 4.
- Direction finder, Radio. T. O. McCarthy. 2,460,798, Feb. 8.
- Direction finder, Radio. H. F. Rost, K. H. Thunell, S. D. Vigren, and P. H. E. Claesson. 2,484,651, Oct. 11.
- Direction finder, Radio. E. Torcheux. 2,475,412, July 5.
- Direction finder system. E. Cole. 2,489,270, Nov. 29.
- Direction finding apparatus. W. Steinmann. 2,461,187, Feb. 8.
- Direction finding by means of rotating radio beacons. F. de Fremery. 2,485,365, Oct. 18.
- Direction finding device. K. Posthumus. 2,473,491, June 14.
- Direction finding, Radio. E. D. Blodgett. 2,475,004, July 5.
- Direction finding, Radio. W. H. Wirkler. 2,477,434, July 26.
- Direction finding system. C. Finzer. 2,489,279, Nov. 29.
- Direction finding system. P. G. Hansel. 2,475,612, July 12.
- Direction finding system. A. G. Richardson and F. O. Chesus. 2,462,898, Mar. 1.
- Direction finding system, Automatic radio. C. W. Earp and J. D. Weston. 2,485,578, Oct. 25.
- Direction indicator. S. Gabrielson. 2,470,482, May 17.
- Directional heat fluid fuel burner. J. S. Zink. 2,487,959, Nov. 15.
- Directional system. P. G. Hansel. 2,481,509, Sept. 13.
- Director for computing torpedo attack courses. E. E. Libman. 2,476,746, July 19.
- Directory number calling line identifier. J. W. Dehn and W. H. T. Holden. 2,484,612, Oct. 11.
- Dirigible light. L. M. Benson. 2,483,615, Oct. 4.
- Disazo dianisidine pigments. S. A. Scully. 2,477,661, Aug. 2.
- Disazo dye from dihydroxy benzidine and process therefor. H. Mayer and W. Widmer. 2,476,259, July 12.
- Disazo-dyestuffs, Manufacture of. H. Mayer and W. Widmer. 2,476,260, July 12.
- Disazo pyrazolone dyes. G. Kopp and R. Gangneux. 2,477,487, July 26.
- Discharge and indicating device, Static. E. Meschter. 2,475,356, July 5.
- Discharge apparatus, Electron. R. W. Daniels. 2,480,122, Aug. 30.
- Discharge apparatus for firefighting with carbon dioxide. H. V. Williamson. 2,486,624, Nov. 1.
- Discharge apparatus, Gaseous. P. W. Stutsman. 2,466,749, Apr. 12.
- Discharge apparatus, High-power high-frequency electron. R. H. Varian. 2,466,063, Apr. 5.
- Discharge circuits for illuminating devices, Electric arc. C. L. Jauss. 2,482,277, Sept. 20.
- Discharge device. C. C. Neas. 2,483,661, Oct. 4.
- Discharge device and associated circuit, Electron. N. I. Korman. 2,462,510, Feb. 22.
- Discharge device and making the same, Electron. F. H. McIntosh. 2,463,635, Mar. 8.
- Discharge device and manufacture, Electron. W. C. Dale. 2,481,202, Sept. 6.
- Discharge device and operation, Electric. H. R. Ruff. 2,462,336, Feb. 22.
- Discharge device and system, Electric. F. M. Bailey. 2,461,250, Feb. 8.
- Discharge device, Aerial. A. J. Ritchie. 2,480,967, Sept. 6.
- Discharge device, base, and method. W. Makenny. 2,477,340, July 26.
- Discharge device, Beam type electron. P. G. Chevigny. 2,459,792, Jan. 25.
- Discharge device, Cesium electric. A. W. Hull. 2,489,891, Nov. 29.

- Discharge device, Coaxial electron. H. A. Finke. 2,463,368, Mar. 1.
- Discharge device, Electric. J. E. Beggs. 2,459,487, Jan. 18.
- Discharge device, Electric. F. R. Elder. 2,486,134, Oct. 25.
- Discharge device, Electric. E. D. McArthur. 2,460,141, Jan. 25.
- Discharge device, Electric. H. L. Thorson. 2,489,873, Nov. 29.
- Discharge device, Electrical. W. T. Anderson, Jr. 2,477,279, July 26.
- Discharge device, Electrical. C. B. Horsley. 2,482,275, Sept. 20.
- Discharge device, Electrical. H. de B. Knight. 2,460,132, Jan. 25.
- Discharge device, Electrical. C. G. Smith. 2,473,826, June 21.
- Discharge device, Electrical. D. A. Wilbur. 2,462,698, Feb. 22.
- Discharge device, Electron. H. A. Andresen. 2,462,153, Feb. 22.
- Discharge device, Electron. R. R. Back. 2,474,211, June 28.
- Discharge device, Electron. M. Bowman-Manifold. 2,460,332, Feb. 1.
- Discharge device, Electron. W. C. Brown. 2,463,512, Mar. 8.
- Discharge device, Electron. W. C. Brown. 2,480,900, Sept. 6.
- Discharge device, Electron. W. C. Brown. 2,485,084, Oct. 18.
- Discharge device, Electron. P. P. Derby. 2,463,524, Mar. 8.
- Discharge device, Electron. P. P. Derby. 2,468,183, Apr. 26.
- Discharge device, Electron. S. Frankel. 2,480,126, Aug. 30.
- Discharge device, Electron. J. H. Fremlin and S. G. Tomlin. 2,462,086, Feb. 22.
- Discharge device, Electron. L. P. Garner. 2,477,122, July 26.
- Discharge device, Electron. R. K. Gessford. 2,461,728, Feb. 15.
- Discharge device, Electron. G. Hecht. 2,463,535, Mar. 8.
- Discharge device, Electron. H. R. Hegbar. 2,475,760, July 12.
- Discharge device, Electron. A. F. and G. D. Henninger, and R. W. Reitherman. 2,457,891, Jan. 4.
- Discharge device, Electron. E. W. Herold. 2,462,496, Feb. 22.
- Discharge device, Electron. E. W. Herold. 2,489,132, Nov. 22.
- Discharge device, Electron. E. N. Kather. 2,462,869, Mar. 1.
- Discharge device, Electron. P. Kusch. 2,470,856, May 24.
- Discharge device, Electron. E. G. Linder. 2,476,611, July 19.
- Discharge device, Electron. C. V. Litton. 2,462,877, Mar. 1.
- Discharge device, Electron. D. M. Powers. 2,481,151, Sept. 6.
- Discharge device, Electron. C. A. Schleimann-Jensen and N. E. G. Backmark. 2,465,041, Mar. 22.
- Discharge device, Electron. R. C. Schmidt. 2,473,547, June 21.
- Discharge device, Electron. W. V. Smith. 2,462,137, Feb. 22.
- Discharge device, Electron. P. L. Spencer. 2,466,060, Apr. 5.
- Discharge device, Electron. P. L. Spencer. 2,477,317, July 26.
- Discharge device, Electron. P. L. Spencer. 2,468,243, Apr. 26.
- Discharge device, Electron. P. L. Spencer. 2,481,171, Sept. 6.
- Discharge device, Electron. W. D. Stratton. 2,466,062, Apr. 5.
- Discharge device, Electron. G. C. Sziklai. 2,460,402, Feb. 1.
- Discharge device, Electron. A. G. Thomas. 2,457,948, Jan. 4.
- Discharge device, Electron. W. A. True. 2,468,141, Apr. 26.
- Discharge device, Electron. W. W. Watrous, Jr., and C. H. Gleason. 2,479,529, Aug. 16.
- Discharge device, Electronic. M. Arditi. 2,465,342, Mar. 29.
- Discharge device, Electronic. W. C. Brown. 2,473,567, June 21.
- Discharge device employing cavity resonators, Electron. D. O. North. 2,488,320, Nov. 15.
- Discharge device for electronic multiplication, Electronic. M. Arditi. 2,462,059, Feb. 22.
- Discharge device for high-frequencies, Electron. J. S. Donal, Jr., B. B. Brown, and C. L. Cuccia. 2,465,211, Mar. 22.
- Discharge device for voltage measurement. A. W. Vingerhoets and H. Nieuworp. 2,458,659, Jan. 11.
- Discharge device, Gas-filled electric. S. Lalewicz. 2,479,846, Aug. 23.
- Discharge device, Gaseous. H. W. Abshire. 2,465,414, Mar. 29.
- Discharge device, Gaseous. P. W. Stutsman. 2,463,577, Mar. 8.
- Discharge device, Gaseous. P. W. Stutsman. 2,472,865, June 14.
- Discharge device, Gaseous. P. W. Stutsman. 2,473,833, June 21.
- Discharge device, Gaseous. P. W. Stutsman. 2,481,365, Sept. 6.
- Discharge device having cavity resonators, Electrical. C. B. Horsley. 2,458,167, Jan. 4.
- Discharge device, Hollow resonator. A. F. Pearce. 2,469,240, May 3.
- Discharge device, Ionic. C. Depew. 2,471,263, May 24.
- Discharge device, Low-pressure electric. C. G. Found and W. J. Winninghoff. 2,473,642, June 21.
- Discharge device of the beam deflection type, Electron. G. R. Kilgore. 2,487,656, Nov. 8.
- Discharge device of the cavity resonator type, Electron. H. R. Hegbar. 2,489,131, Nov. 22.
- Discharge device of the cavity resonator type, Electronic. P. L. Spencer. 2,473,827-8, June 21.
- Discharge device of the indicator type, Electric. C. H. Bachman. 2,486,814, Nov. 1.
- Discharge device of the magnetron type, Electrical. P. L. Spencer. 2,478,644, Aug. 9.
- Discharge device of the magnetron type, Electron. C. W. Becker. 2,476,130, July 12.
- Discharge device of the magnetron type, Electron. W. C. Brown and E. N. Kather. 2,480,999, Sept. 6.
- Discharge device of the magnetron type, Electron. P. L. Spencer. 2,473,828, June 21.
- Discharge device of the magnetron type, Electron. P. L. Spencer. 2,475,526, July 5.
- Discharge device of the magnetron type, Electron. P. L. Spencer. 2,475,646, July 12.
- Discharge device of the velocity modulation type, Electron. J. H. Fremlin. 2,459,805, Jan. 25.
- Discharge device of the velocity modulation type, Electron. J. H. Fremlin. 2,462,087, Feb. 22.
- Discharge device, Pool-type electric. C. C. Herskind. 2,461,275, Feb. 8.
- Discharge device, Space. L. A. Wooten. 2,462,245, Feb. 22.
- Discharging device, Static electricity. W. J. Duchesneau. 2,481,913, Sept. 13.
- Discharge device, Thermionic. F. E. Gehrke. 2,484,703, Oct. 11.
- Discharge device, Ultra high frequency electron. N. E. Pryslak and K. M. McLaughlin. 2,473,969, June 21.
- Discharge device utilizing cavity resonators, Electron. L. S. Nergaard. 2,461,125, Feb. 8.
- Discharge device, Velocity-modulated electron. J. H. Fremlin and C. H. Foulkes. 2,459,806, Jan. 25.
- Discharge device, Velocity modulation electron. J. M. Lafferty. 2,489,298, Nov. 29.
- Discharge device with an outer anode. J. Stivin. 2,466,565, Apr. 5.
- Discharge device with connector of low thermal and high electrical conductivity. H. A. van Meurs. 2,465,769, Mar. 29.
- Discharge device with internal capacitor, Electric. H. R. Cummings. 2,470,605, May 17.
- Discharge expeditor, Hopper. J. G. Lenta. 2,486,298, Oct. 25.
- Discharge head. F. B. Allen. Re. 23,142, Aug. 23.
- Discharge nozzle for hose, Sanitary. E. Thomsen. 2,475,164, July 5.
- Discharge initiating circuit. E. F. De Mers. 2,492,850, Dec. 27.
- Discharge structure, Blast furnace. A. Mohr, Jr., and J. P. Grilli. 2,476,889, July 19.
- Discharge tube. G. Diemer. 2,464,562, Mar. 15.
- Discharge tube, Cold cathode gaseous. L. Goldstein and F. Perrin. 2,487,437, Nov. 8.
- Discharge wave generator. D. L. Hings. 2,468,754, May 3.
- Discharger for centrifugal machines. P. van Riel. 2,483,601, Oct. 4.
- Discharger for centrifugal separators. J. E. Tholl. 2,485,465, Oct. 18.
- Discharger, Train fusee. H. E. Temple. 2,462,922, Mar. 1.
- Discharging apparatus for farm wagons, Load. R. A. Piper. 2,470,836, May 24.
- Discharging means, Fruit. R. L. Ewald and H. A. Skog. 2,476,289, July 19.
- Discharging peeled fruit from grooved cups of half-fruit peeling machines. H. A. Skog. 2,457,840, Jan. 4.
- Discriminator and apparatus, Ultra high frequency. V. R. Learned. 2,476,311, July 19.
- Discriminator circuit. W. K. Ergen. 2,476,849, July 19.
- Discriminator for carrier shift signaling systems and the like, Frequency. R. S. Chapin. 2,477,963, Aug. 2.
- Discriminator, Frequency. C. K. Huxtable and J. A. Rankin. 2,467,035, Apr. 12.
- Discriminator, Frequency modulation. L. W. Parker. 2,489,313, Nov. 29.
- Discriminator, Pulse length. G. H. Miller and J. A. Krumhansl. 2,484,352, Oct. 11.
- Disconnect unit, Quick. C. E. Oates. 2,489,924, Nov. 29.
- Disconnectible ball bearing. W. L. Pearson. 2,464,712, Mar. 15.
- Disconnectible universal joint. D. A. Dalton. 2,460,216, Jan. 25.
- Disconnecting device. L. W. Evans and A. A. Olsen. 2,464,565, Mar. 15.
- Disconnecter, Electrical. T. I. Eldridge, Jr. 2,481,298, Sept. 6.

- Disengaging device, Belt. R. M. Barth. 2,474,457, June 28.
- Disinfectant, Paper currency. J. J. Schutten. 2,463,208, Mar. 1.
- Disintegrator having means for recirculating fluid currents from the material discharge hopper to the disintegrator chamber. C. W. Lanter. 2,477,627, Aug. 2.
- Disintegration of moist fibrous alkali cellulose masses. J. Brackett. 2,480,998, Sept. 6.
- Dish and tray, Combination. O. L. Waggoner. 2,481,544, Sept. 13.
- Dish cleaning and garbage collecting machine. R. M. Carlson. 2,473,007, June 14.
- Dish for double boilers, Rounded bottom inner. P. Schlumbohm. 2,492,892, Dec. 27.
- Dish, Nut. C. W. Heath. 2,473,026, June 14.
- Dish, Soap. T. T. Domecki. 2,491,002, Dec. 13.
- Dishwashing apparatus. J. C. State. 2,485,673, Oct. 25.
- Dishwashing apparatus. G. H. Wotring. 2,468,584, Apr. 26.
- Disiloxanes, Production of. J. F. Hyde and W. H. Dault. 2,489,139, Nov. 22.
- Disintegrating machine, Farm waste. C. La Dow. 2,491,739, Dec. 20.
- Disk, Abrasive sheet holding sanding. A. F. Pimentel. 2,480,508, Aug. 30.
- Disk and making same, Abrasive. D. C. Gipple and W. G. Sindt. 2,492,143, Dec. 27.
- Disk brake. F. C. Frank. 2,486,144, Oct. 25.
- Disk brake for aircraft, Fluid pressure operated. W. H. Du Bois and I. F. Chapin. 2,483,362, Sept. 27.
- Disk for turbine rotors, Cast. V. Cronsteda. 2,479,039, Aug. 16.
- Disk gang assembly. T. M. Thomas. 2,468,278, Apr. 26.
- Disk, Hygroscopic. B. Cones. 2,473,278, June 14.
- Disk magazine, Gravity fed. G. M. Stopper. 2,469,016, May 3.
- Disk plow, Reversible. W. R. Smith. 2,485,932, Oct. 25.
- Disk pulp screen. H. G. Cram. 2,480,119, Aug. 30.
- Disk segment, Filter. J. H. V. Finney. 2,480,280, Feb. 1.
- Disk supporting jig while treating the edge of the disk. C. E. Adams. 2,473,407, June 14.
- Disk, Valve. G. O. R. Lingren. 2,479,688, Aug. 23.
- Dislodging concrete practice bombs from mold bases. S. Grassi and E. Filippi. 2,463,965, Mar. 8.
- Disodium phosphate dihydrate, Production of. M. Metzger. 2,468,455, Apr. 26.
- Disodium salt of 2-carboxyl-phenyl-sulfuric acid, Making the. J. Parrod and V. Armand. 2,478,834, Aug. 9.
- Dispatching system for elevators. G. Watson. 2,468,317, Apr. 26.
- Dispenser: See—
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| Adhesive transfer tape dispenser. | Lighted cigarette dispenser. |
| Article dispenser. | Liquid dispenser. |
| Automatic tack dispenser. | Liquid measuring dispenser. |
| Bar soap dispenser. | Paper cup dispenser. |
| Beverage dispenser. | Paper dispenser. |
| Bobby pin dispenser. | Pedestal type foot-operated liquid dispenser. |
| Butter dispenser. | Pill dispenser. |
| Cambric and linen tape dispenser. | Powdered medicine dispenser. |
| Carbonated water dispenser. | Roll paper dispenser. |
| Cigarette dispenser. | Rotary cigarette dispenser. |
| Collapsible tube dispenser. | Staple dispenser. |
| Coin dispenser. | Surgical dispenser. |
| Condiment dispenser. | Tack dispenser. |
| Cream dispenser. | Tape dispenser. |
| Cup dispenser. | Toilet tissue dispenser. |
| Flint dispenser. | Toothpick dispenser. |
| Frozen food dispenser. | Tooth powder dispenser. |
| Hairpin dispenser. | Towel dispenser. |
| Label dispenser. | Type dispenser. |
| Lady's portable powder dispenser. | Volatile liquid dispenser. |
| Level controlled liquid dispenser. | Weatherproof dispenser. |
- Dispenser. D. G. Allen. 2,488,254, Nov. 15.
- Dispenser. A. W. Mondorf. 2,491,053, Dec. 13.
- Dispenser adapted to perforate containers, Fluid. J. A. LeVasseur. 2,468,499, Apr. 26.
- Dispenser and advertising device, Combined paper. A. Szalka. 2,461,706, Feb. 15.
- Dispenser and music box, Combined. E. Wellisch. 2,466,978, Apr. 12.
- Dispenser and supporting bracket assembly, Tape. A. J. Stanley and L. E. Barnes. 2,477,014, July 26.
- Dispenser and toothbrush holder, Combination tooth paste. F. L. Starbeck. 2,484,193, Oct. 11.
- Dispenser for adhesive tapes. V. L. De Luisi and C. F. Murtaugh. 2,470,342, May 17.
- Dispenser for collapsible tubes, Paste. J. J. Grantonic. 2,463,764, Mar. 8.
- Dispenser for facial tissues. S. Golden. 2,474,784, June 28.
- Dispenser for floor waxing machines, Liquid. M. P. La Scala and J. A. Wilber. 2,475,189, July 5.
- Dispenser for liquids. O. M. Fazekas. 2,464,222, Mar. 15.
- Dispenser for nested paper receptacles. G. C. Johnson and A. A. Perelman. 2,468,497, Apr. 26.
- Dispenser for refrigerators, Automatic frozen cube. D. L. Wallace. 2,471,801, May 31.
- Dispenser for strand material. P. K. Dumbleton. 2,488,492, Nov. 15.
- Dispenser having step-by-step rotating valve with means to prevent reverse rotation thereof. F. K. Wydra. 2,472,688, June 7.
- Dispenser, Ice crusher, and drink mixer, Combined liquid. H. G. Treiss, Jr. 2,484,391, Oct. 11.
- Dispenser support. G. H. Packwood, Jr. 2,461,000, Feb. 8.
- Dispenser with coil cleaning means, Beer. F. J. Warcup. 2,477,222, July 26.
- Dispenser with flow restricting valve. R. G. Bau. 2,471,852, May 31.
- Dispenser with measuring chamber of adjustably variable capacity. W. P. Zommer. 2,461,363, Feb. 8.
- Dispenser with receptacle operated outlet valve, Liquid. W. E. Turner. 2,463,922, Mar. 8.
- Dispenser with reciprocating cutter blade, Soap. T. Sumner. 2,480,271, Aug. 30.
- Dispenser with removable container. C. C. Bauerlein and E. J. Jaskiewicz. 2,487,999, Nov. 15.
- Dispenser with screw actuated follower. J. Weisbaum. 2,485,467, Oct. 18.
- Dispenser with slitted resilient diaphragm. A. Hammerstein. 2,473,707, June 21.
- Dispensing and bulk reducing device, Combination. J. M. Korman. 2,478,815, Aug. 9.
- Dispensing and measuring device. A. A. Campbell. 2,472,092, June 7.
- Dispensing and metering device, Shock absorber fluid. R. O. D. Jones. 2,489,035, Nov. 22.
- Dispensing and spreading device. F. K. Tarrant. 2,476,465, July 19.
- Dispensing apparatus. C. M. Asbill, Jr. 2,471,055, May 24.
- Dispensing apparatus. W. W. Cease. 2,477,239, July 26.
- Dispensing apparatus. H. S. Childers. 2,482,245, Sept. 20.
- Dispensing apparatus. R. E. Dodge. 2,471,100, May 24.
- Dispensing apparatus. C. E. Newton. 2,485,062, Oct. 18.
- Dispensing apparatus, Article. B. W. Fry. 2,468,819, May 3.
- Dispensing apparatus, Beverage. R. Yuza. 2,491,633, Dec. 20.
- Dispensing apparatus, Package. A. L. Nelson. 2,479,396, Aug. 16.
- Dispensing apparatus, Paper. S. Lewis. 2,466,957, Apr. 12.
- Dispensing apparatus, Toilet paper. M. Habuda. 2,470,030, May 10.
- Dispensing apparatus, Toothpaste. L. E. Walters. 2,466,628, Apr. 5.
- Dispensing cabinet. C. Schnier, Jr., and F. Zeiser. 2,462,816, Feb. 22.
- Dispensing cart for baking apparatus, Battery. A. Baker. 2,482,146, Sept. 20.
- Dispensing carton. M. C. Guest. 2,480,729, Aug. 30.
- Dispensing carton. H. C. Parker. 2,488,323, Nov. 15.
- Dispensing cigarette case. J. P. Zaidan. 2,457,966, Jan. 4.
- Dispensing closure cap. R. C. Wright. 2,461,620, Feb. 15.
- Dispensing container. B. Bannister. 2,492,830, Dec. 27.
- Dispensing container. J. M. Guthrie. 2,461,211, Feb. 8.
- Dispensing container. F. Spargano. 2,475,999, July 12.
- Dispensing container. C. H. Thompson. 2,474,076, June 21.
- Dispensing container. M. I. Willamson. 2,472,871, June 14.
- Dispensing device, Article. P. Settecasi. 2,483,352, Sept. 27.
- Dispensing device, Beverage. B. G. Copping. 2,469,327, May 3.
- Dispensing device, Disposable. C. E. Munson. 2,469,399, May 10.
- Dispensing device for collapsible tubes. E. F. Olsen. 2,492,533, Dec. 27.
- Dispensing device, Gas. W. C. Buttner. 2,463,477, Mar. 1.
- Dispensing device, Gas. W. C. Buttner, H. L. Norway, and J. R. Bunce. 2,475,817, July 12.
- Dispensing device, Gas. H. L. Norway. 2,463,493, Mar. 1.
- Dispensing device, Insecticide. E. A. Stretz. 2,462,689, Feb. 22.
- Dispensing device, Merchandise. H. J. Smith. 2,492,198, Dec. 27.
- Dispensing device, Powder. J. Rabbitt. 2,480,606, Aug. 30.
- Dispensing device, Tape. D. C. Robson and C. N. Stover. 2,484,648, Oct. 11.
- Dispensing device, Tube. H. G. Giles. 2,461,891, Feb. 15.
- Dispensing device with bulb pump, Liquid. D. L. Spender and G. L. Butler. 2,474,442, June 28.
- Dispensing-display stand. S. A. Prag. 2,458,797, Jan. 11.
- Dispensing drum cover. W. Gotham. 2,479,347, Aug. 16.
- Dispensing machine. J. A. Chambers. 2,461,197, Feb. 8.
- Dispensing machine. F. O. Johnson. 2,478,401, Aug. 9.
- Dispensing machine, Butter. L. Herber. 2,473,057, June 14.
- Dispensing means. A. I. Lambert and E. C. Franco-Ferreira. 2,474,744, June 28.
- Dispensing means, Fluid pressure medium. J. H. Stroop. 2,489,339, Nov. 29.
- Dispensing mechanism. S. J. Heiman. 2,462,394, Feb. 22.
- Dispensing mechanism, Coin. C. C. McPherson. 2,491,573, Dec. 20.

- Dispensing mechanism for balers or the like. G. B. Hill. 2,477,059, July 26.
- Dispensing package holder. E. G. Gantner. 2,487,537, Nov. 8.
- Dispensing system, Beverage. R. A. Nicholson. 2,475,511, July 5.
- Dispensing system, Fluid pressure medium. E. A. Joerren. 2,482,778, Sept. 27.
- Dispensing system, Gas. W. C. Buttner. 2,475,816, July 12.
- Dispensing system, Liquefied gas. R. Baker and J. C. Fleming. 2,476,175, July 12.
- Dispensing system, Liquefied gas. R. Baker and J. C. Fleming. 2,477,566, Aug. 2.
- Dispensing system, Predetermining. C. P. Bergman and M. Cornell. 2,460,275, Feb. 1.
- Dispensing system, Two-stage liquefied petroleum gas. L. J. White. 2,460,158, Jan. 25.
- Dispensing agents and producing same. T. L. Wilson and J. A. Davison. 2,489,943, Nov. 29.
- Dispersions of proteins in aqueous detergents. H. P. Lundgren. 2,459,708, Jan. 18.
- Dispersions of vinyl chloride resins. R. W. Quarles and C. I. Spessard. 2,461,613, Feb. 15.
- Display and demonstration apparatus. C. F. J. Dupuy. 2,466,162, Apr. 5.
- Display and dispensing cabinet. C. B. Holm. 2,463,037, Mar. 1.
- Display and self-service cabinet. J. A. Womack. 2,492,912, Dec. 12.
- Display and shipping container. J. K. Makrianes. 2,460,230, Jan. 25.
- Display apparatus. J. P. Cassidy. 2,487,307, Nov. 8.
- Display apparatus, Animated. J. Schilling. 2,492,241, Dec. 27.
- Display box. R. P. O'Connor. 2,465,169, Mar. 22.
- Display box. W. R. Lee. 2,459,565, Jan. 18.
- Display box. N. Scandore. 2,477,902, Aug. 2.
- Display box. J. Stengren. 2,464,951, Mar. 22.
- Display box. R. Van Rosen. 2,472,449, June 7.
- Display box. L. D. Young. 2,466,346, Apr. 5.
- Display box easel cover. R. J. Davidson. 2,479,910, Aug. 23.
- Display cabinet. R. Epstein. 2,465,013, Mar. 22.
- Display card for trousers, Advertising. C. D. Williamson. 2,490,496, Dec. 6.
- Display carton with support. K. T. Buttery. 2,473,635, June 21.
- Display case, Self-service refrigerated. W. R. Burtis. 2,490,413, Dec. 6.
- Display device. R. Colomer. 2,490,621, Dec. 6.
- Display device. E. N. Parkas. 2,461,536, Feb. 15.
- Display device. V. T. Howard. 2,465,968, Mar. 29.
- Display device. H. Konikoff. 2,467,041, Apr. 12.
- Display device. H. Konikoff. 2,467,042, Apr. 12.
- Display device. R. H. Riffert. 2,477,086, July 26.
- Display device. J. Swarbrick. 2,482,947, Sept. 27.
- Display device, Advertising. A. G. Harris. 2,483,901, Oct. 4.
- Display device and easel, Foldable. L. Ebert. 2,474,659, June 28.
- Display device, Animated. G. F. Mohr. 2,471,002, May 24.
- Display device, Magnetic. L. E. Seiders. 2,471,981, May 31.
- Display device, Shoe or boot. C. M. Bye. 2,462,611, Feb. 22.
- Display form, Garment. N. Shafarman. 2,479,140, Aug. 16.
- Display machine, Popcorn. O. G. Pack. 2,464,460, Mar. 15.
- Display marker, Aviation liquid antifreeze. H. F. Keller, L. E. Johnson, and P. E. Froass. 2,483,285, Sept. 27.
- Display or storage cabinet. J. E. Echlin. 2,466,882, Apr. 12.
- Display package. E. W. Fuerst. 2,477,793, Aug. 2.
- Display panel with collapsible support, Foldable. J. L. Larkin. 2,466,599, Apr. 5.
- Display rack. T. Cummings. 2,483,263, Sept. 27.
- Display rack. C. V. Smith. 2,480,515, Aug. 30.
- Display sign with shutter, Rotatable. R. N. Morton. 2,481,941, Sept. 13.
- Display stand. N. Anitole. 2,486,457, Nov. 1.
- Display system, Radar. C. W. Miller. 2,479,953, Aug. 23.
- Disposal apparatus, Waste. J. H. Powers. 2,469,205, May 3.
- Disposal apparatus, Waste. J. H. Powers. 2,482,124-5, Sept. 20.
- Disposal device, Snow and ice. A. J. Cayas. 2,467,659, Apr. 19.
- Disposal device, Waste. J. F. Davenport. 2,489,562, Nov. 29.
- Disposal receptacle. C. E. Miller. 2,458,868, Jan. 11.
- Disposing of metal desulfuring products, Process and apparatus for. I. P. Thompson and J. P. Cowie. 2,465,297, Mar. 22.
- Disproportionation of fluoro-halogeno derivatives of methane in presence of aluminum fluoride. C. B. Miller and F. H. Bratton. 2,478,201, Aug. 9.
- Dissector, Image. C. C. Larson. 2,459,778, Jan. 18.
- Dissolving apparatus for the preparation of cellulose solutions. A. Van Halewijn. 2,466,649, Apr. 5.
- Distance indicator. C. F. Davis, Jr. 2,470,807, May 24.
- Distance measuring device having photoelectric means, Light interference. R. L. Snyder, Jr. 2,462,292, Feb. 22.
- Ditching machine. O. B. Treeten. 2,490,388, Dec. 6.
- Door check. S. Bloomfield. 2,492,032, Dec. 20.
- Distillation apparatus, Reflux. L. Berg. 2,476,477, July 19.
- Distillation of a mixture of hydrocarbons, The. R. C. Brandon and M. C. K. Jones. 2,472,463, June 7.
- Distillation of alcohol-hydrocarbon mixtures, Extractive. C. A. Hillman, J. D. Long, and A. K. Scott. 2,480,652, Aug. 30.
- Distillation of alcohols containing impurities less soluble in water. J. A. Patterson. 2,470,222, May 17.
- Distillation of alcohols from aqueous mixtures of alkyl sulfates and sulfuric acid. F. M. Archibald. 2,470,206, May 17.
- Distillation of allyl alcohol from hydrolysis products. P. E. Burchfield. 2,485,694, Oct. 25.
- Distillation of hydrocarbons from aqueous resin acid soap solutions. F. H. Gayer. 2,492,038, Dec. 20.
- Distillation of hydrocarbon mixtures, Azeotropic. G. R. Lake and J. M. Stribley. 2,477,303, July 26.
- Distillation of olefin-hydrogen chloride mixtures. A. C. Nixon, D. C. Lehwalder, and H. A. Cheney. 2,472,610, June 7.
- Distillation of propionaldehyde from acrolein, Extractive. A. L. Stautzenberger and S. B. Jeffries. 2,476,391, July 19.
- Distillation process for separating products of perchloroethylene fluorination. A. F. Benning. 2,478,362, Aug. 9.
- Distillation process for the recovery of phenols. G. E. Taylor and J. F. Adams. 2,486,342, Oct. 25.
- Distillation process, Two-zone fluidized destructive. E. B. Peck. 2,480,670, Aug. 30.
- Distillation process using radio-frequency heating. C. H. Schlesman and F. S. Fawcett. 2,486,684, Nov. 1.
- Distillation system, Solvent recovery. L. F. Langhurst. 2,467,435, Apr. 19.
- Distillation unit, Water. E. S. Clemens. 2,475,482, July 5.
- Distilling head. A. W. Goldsberry and H. S. Martin. 2,468,872, May 3.
- Distilling in alternate heating and cooling zones, Fractionally. A. W. Goldsberry. 2,477,595, Aug. 2.
- Distortion reduction in channel switching. L. R. Cox and G. H. Huber. 2,458,566, Jan. 11.
- Distributing and conveying of pieces of extruded plastic materials. G. A. Stonestreet and H. R. Sait. 2,488,344, Nov. 15.
- Distributing apparatus. H. H. Merwin. 2,478,413, Aug. 9.
- Distributing machine. G. W. Lawson, and H. R. Armer. 2,490,971, Dec. 13.
- Distributing moisture in bread dough. H. C. Rhodes. 2,479,864, Aug. 23.
- Distributing valve. T. Ferwerda and B. Langworthy. 2,477,590, Aug. 2.
- Distribution apparatus. G. D. Porter. 2,474,065, June 21.
- Distribution board. S. Bromfield. 2,470,884, May 24.
- Distribution of solids to moving compact beds thereof. W. A. Hagerbaumer. 2,491,446, Dec. 13.
- Distribution system, Electrical. W. B. Barriger. 2,479,995, Aug. 23.
- Distribution transformer coil support. M. Broverman. 2,490,506, Dec. 6.
- Distributor checker, Bomb station. J. A. Fahrner. 2,459,801, Jan. 25.
- Distributor coupling. E. Zoerlein. 2,472,327, June 7.
- Distributor, Current. R. G. Hoof. 2,466,238, Apr. 5.
- Distributor, Feed. G. Overton. 2,484,580, Oct. 11.
- Distributor for bitumen and like material. G. M. Etnyre. 2,472,199, June 7.
- Distributor for burner nozzles, Pulverized fuel. F. T. Hague. 2,474,477, June 28.
- Distributor for multiplex pulse communication systems, Electronic. M. H. Mesner. 2,459,131, Jan. 11.
- Distributor for refrigerating systems, Liquid. J. R. Boyle. 2,461,876, Feb. 15.
- Distributor, Gathering machine. E. S. Hope. 2,471,214, May 24.
- Distributor, Ignition. H. R. Grant. 2,465,529, Mar. 29.
- Distributor, Ignition. A. C. Wall. 2,483,115, Sept. 27.
- Distributor phase corrector circuit. W. A. Anderson. 2,465,185, Mar. 22.
- Distributor screw. H. H. Merwin. 2,477,343, July 26.
- Distributor, Seed and fertilizer. E. J. Crawford. 2,463,855, Mar. 8.
- Distributor system, Multichannel pulse. M. M. Levy. 2,462,111, Feb. 22.
- Ditch dam. D. H. Loosli. 2,485,755, Oct. 25.
- Ditchdigging machine. L. B. South. 2,488,990, Nov. 22.
- Dithiazyl disulfide, Preparation of. A. J. Beber. 2,468,952, May 3.
- Di-(2-chloro-cyclohexyl)-sulfide as insecticide. H. W. Moll. 2,472,755, June 7.
- Divan mover. F. H. Carter. 2,469,547, May 10.
- Dive flap actuator and system. V. A. Hoover. 2,466,426, Apr. 5.
- Diversion-fitting for hot-water heating systems. S. J. Folio. 2,486,141, Oct. 25.
- Diverter for combustion gas outlet flues, Backdraft. M. Fenberg. 2,486,780, Nov. 1.
- Divider, Can line. E. Bourland. 2,472,563, June 7.

- Divider for stepwise regulation of transformers, Potential. P. Leyvraz. 2,488,418, Nov. 15.
 Divider for tractor-mounted harvesters, Center. E. M. Van Buskirk. 2,473,978, June 21.
 Divider, Frequency. K. H. Davis. 2,484,611, Oct. 11.
 Divider, Frequency. C. J. Hirsch. 2,462,265, Feb. 22.
 Divider, Proportional. J. Kurmer. 2,487,451, Nov. 8.
 Dividing without time delay, Counter frequency. H. Lifschutz. 2,489,303, Nov. 29.
 Dividing sheet fabric into strips. J. H. McCusker. 2,476,262, July 12.
 Diving apparatus, Chin-operated. R. M. Metzger. 2,484,044, Oct. 11.
 Diving board. E. G. Schumacher. 2,461,086, Feb. 8.
 Diving gear. C. T. Morrow. 2,485,908, Oct. 25.
 Di-menthone, Preparation of. A. L. Barney. 2,462,712, Feb. 22.
 Di-threonine, Preparation of. A. C. Shabica. 2,461,847, Feb. 15.
 Di-valine, Preparation of. D. P. J. Goldsmith and M. Tishler. 2,480,644, Aug. 30.
 Doctor blade mounting. L. Hornbostel. 2,470,400, May 17.
 Doctor mechanism for rolls and cylinders. E. R. Ljungquist. 2,477,339, July 26.
 Doctor operating mechanism. A. W. Johnson. 2,474,052, June 21.
 Document copying machine, Flow camera. F. C. Yohn. 2,472,931, June 14.
 Doffing device, Spindle. J. D. Rust. 2,486,884, Nov. 1.
 Doffing mechanism, Beam. T. F. Suggs. 2,487,492, Nov. 8.
 Doffing mechanism for cotton harvesters. C. R. Berry. 2,462,800, Feb. 22.
 Dog. T. H. Fisher. 2,464,298, Mar. 15.
 Doisynolic acid and intermediates thereof, Separating. K. Miescher and R. Rometsch. 2,469,173, May 3.
 Doll display stand. J. A. Englander. 2,465,076, Mar. 22.
 Doll or toy figure with encased radio apparatus. W. J. Waldron. 2,470,384, May 17.
 Doll, Rag. D. M. Sanders and I. V. Avey. 2,483,325, Sept. 27.
 Doll walker. B. E. Warner. 2,465,301, Mar. 22.
 Doll's eye and making same, Plastic. R. Rupert. 2,466,278, Apr. 8.
 Dolly, Airplane. H. Clemens. 2,463,744, Mar. 8.
 Dolly, Camera. H. W. Houston. 2,461,058, Feb. 8.
 Dolly, Collapsible tripod. I. Sloane. 2,485,325, Oct. 18.
 Dolly, Deep-drawn recessed decorated pleated. E. Kamrass. 2,482,981, Sept. 27.
 Dolly, Dual wheel. R. J. Soulgne. 2,487,950, Nov. 15.
 Dolly for boats and the like, Collapsible. R. M. Nurney. 2,464,525, Mar. 15.
 Dolly for house trailers. J. T. Conley and O. D. True. 2,463,746, Mar. 8.
 Dolly for railway cars, vehicles and other objects. E. B. Kelley and H. B. Davis. 2,469,042, May 3.
 Dolly for truck wheels. C. C. Johnson. 2,476,493, July 19.
 Dolly, Tongue-supporting. G. Pruitt. 2,481,948, Sept. 13.
 Dolly, Trailer. J. E. Nogle. 2,460,466, Feb. 1.
 Dolly, Trailer. G. A. Ward. 2,463,926, Mar. 8.
 Dolly, Trailer. C. Williams. 2,458,666, Jan. 11.
 Dolly, Truck. T. E. Leonard. 2,472,952, June 14.
 Dolly, Wheel and tire. W. M. Tway. 2,471,051, May 24.
 Domestic appliance. D. K. Ferris. 2,488,905, Nov. 22.
 Domestic electric heater. C. C. Doyle. 2,474,472, June 28.
 Door: See—
 Car door. Furnace door.
 Coke oven door. Garage door.
 Detachable oven door. Mine trap door.
 Elevator shaft door. Oven door.
 Folding overhead door.
 Door and bridge, Elevator. E. E. Alexander. 2,473,125, June 14.
 Door and frame, Bank vault. L. M. Massie. 2,488,063, Nov. 15.
 Door and frame, Ship's. A. A. Perhach. 2,490,321, Dec. 6.
 Door and operating means therefor. D. H. Morgan. 2,476,755, July 19.
 Door bolt, Automatic. J. J. Rousseau. 2,481,154, Sept. 6.
 Door casing gauge. J. W. Erickson. 2,473,639, June 21.
 Door catch. M. Klaar. 2,489,421, Nov. 29.
 Door check. H. M. Davidson. 2,476,182, July 12.
 Door check. K. Kolbus. 2,477,486, July 26.
 Door check. A. Van Veen and K. B. Noble. 2,471,707, May 31.
 Door check and closer. F. A. Masson. 2,483,142, Sept. 27.
 Door check and closer. R. G. Stronach. 2,460,369, Feb. 1.
 Door closer, Air check. H. A. Simpson. 2,478,717, Aug. 9.
 Door check device. R. L. Brown. 2,473,359, June 14.
 Door chime and call station annunciator. W. C. Gustin. 2,487,541, Nov. 8.
 Door closer. C. O. Goserud. 2,460,881, Feb. 8.
 Door closer and check. L. L. Schacht. 2,468,410, Apr. 26.
 Door closing device. F. H. Barger. 2,470,283, May 17.
 Door closure and seal, Magnetic. V. E. Mark and L. L. Anderson. 2,471,635, May 31.
 Door construction. R. Cadwallader. 2,471,811, May 31.
 Door construction, Metal. K. H. Miller and R. R. Magaw. 2,482,592, Sept. 20.
 Door construction, Multiple section. G. S. Rogers. 2,466,913, Apr. 12.
 Door control mechanism. E. L. Allen. 2,480,688, Aug. 30.
 Door controlled mailbox signal. H. T. Jones. 2,475,098, July 5.
 Door-cupboard and tray. O. C. Handel. 2,462,743, Feb. 22.
 Door device. B. J. Craig. 2,459,502, Jan. 18.
 Door fastener. L. C. Clair. 2,475,478, July 5.
 Door fastener. S. B. Haseltine. 2,458,591, Jan. 11.
 Door fastener. S. B. Haseltine. 2,477,743, Aug. 2.
 Door fastener. R. J. Olander. 2,488,026, Nov. 15.
 Door for bulk commodity railroad cars. M. Brandon and F. P. Robinson. 2,483,523, Oct. 4.
 Door frame. A. B. Carper. 2,481,721, Sept. 13.
 Door handle. G. V. Jakeway. 2,485,000, Oct. 18.
 Door handle. G. V. Jakeway. 2,492,751, Dec. 27.
 Door handle and latch. J. S. Palmer and C. E. Sulcek. 2,485,012, Oct. 18.
 Door handle assembly. B. S. Floraday. 2,481,832, Sept. 13.
 Door hanger. C. Lloyd. 2,482,855-6, Sept. 27.
 Door hinge. F. G. Homan. 2,492,478, Dec. 27.
 Door holder and doorstop, Adjustable. J. E. Olvis. 2,458,528, Jan. 11.
 Door hook. J. A. Bierwirth and F. Klaeden. 2,471,089, May 24.
 Door knob and making the same. A. Schoepe and A. S. Lord. 2,489,160, Nov. 22.
 Door latch. R. T. Anderson. 2,459,354, Jan. 18.
 Door latch. R. T. Anderson. 2,488,794, Nov. 22.
 Door latch. A. H. Bowizer, Jr. 2,469,430, May 10.
 Door latch. J. C. Ehrke. 2,481,990, Sept. 13.
 Door latch. T. E. Green, G. M. Dieter, and W. S. Piercey. 2,464,178, Mar. 8.
 Door latch. G. A. Lee. 2,469,601, May 10.
 Door latch. A. P. Mikkelsen. 2,469,201, May 3.
 Door latch. P. B. Witmer. 2,487,745, Nov. 8.
 Door lock. R. Kulcheski. 2,467,622, Apr. 19.
 Door lock. J. H. Milligan. 2,482,926, Sept. 27.
 Door lock. S. Oxhandler. 2,464,603, Mar. 15.
 Door lock. F. J. Russell and G. B. Solovieff. 2,484,961, Oct. 18.
 Door lock. A. Schoepe. 2,476,458, July 19.
 Door lock. A. W. Thomas. 2,491,783, Dec. 20.
 Door locking and opening and closing device. W. A. Beauchamp and C. Lute. 2,477,112, July 26.
 Door locking device, Hand brake lever controlled. C. L. Miller. 2,472,915, June 14.
 Door mat, Self-cleaning. C. O. Swanson. 2,482,882, Sept. 27.
 Door of the biparting type, Safety. G. Anderson. 2,488,257, Nov. 15.
 Door opening mechanism. K. Williams. 2,472,034, May 31.
 Door operated mailbox signal. C. W. Horn. 2,480,469, Aug. 30.
 Door operating mechanism for dump cars. W. F. Batho. 2,479,292, Aug. 16.
 Door operating mechanism for dump cars. J. J. Kordish and M. Trotta. 2,463,395, Mar. 1.
 Door operating mechanism for dump cars. A. E. Zimmer. 2,469,220, May 3.
 Door-operating mechanism for lift doors and the like. S. Kruger. 2,481,124, Sept. 6.
 Door operating mechanism for load discharging cars. A. E. Zimmer. 2,477,397, July 26.
 Door operating mechanism, Track. J. V. Jamison, Jr. 2,465,650, Mar. 29.
 Door operator, Elevator hatchway. R. Hains. 2,458,702, Jan. 11.
 Doorplate, Protective. H. Ausubel. 2,489,072, Nov. 22.
 Door pull and catch, Cabinet. L. C. Rockwell. 2,469,893, May 10.
 Door sealing system, Inflatable. W. G. Ross. 2,469,131, May 3.
 Doorstop. N. T. Anton. 2,479,597, Aug. 23.
 Doorstop. S. Bloomfield. 2,491,246, Dec. 13.
 Doorstop. G. Cossette and G. Gee. 2,492,359, Dec. 27.
 Doorstop. H. and F. R. Drake. 2,487,427, Nov. 8.
 Doorstop. B. E. Fisher. 2,462,174, Feb. 22.
 Doorstop. A. W. Gard. 2,459,070, Jan. 11.
 Doorstop. M. E. Walpole. 2,483,306, Sept. 27.
 Doorstop, Magnetic. J. O. Galey. 2,468,969, May 3.
 Door structure. J. Sylvan. 2,488,944, Nov. 22.
 Door structure, Overhead. C. J. Manville. 2,472,602, June 7.
 Door with utility opening, Storm. J. B. Hengemel. 2,488,724, Nov. 22.
 Doped fabric, Method of and attachment for. W. W. Lysak. 2,483,916, Oct. 4.
 Double-acting centrifugal pump. D. Murphy. 2,461,835, Feb. 15.
 Double-acting pump. J. T. Leonard. Re. 23,122, June 14.
 Double-acting reciprocating pump. M. Covihis. 2,472,647, June 7.
 Double-acting two-stroke internal-combustion engine. M. F. Meinertz. 2,488,093, Nov. 15.
 Double-action gauge. S. J. Robins. 2,492,369, Dec. 27.
 Double bubble L-shaped mirrored level. E. Sprinkel. 2,466,829, Apr. 12.
 Double-end-ventilated motor. W. H. Formhals and J. H. Penney. 2,457,994, Jan. 4.
 Double row bearing. P. A. Carullo and E. K. Brown. 2,488,848, Nov. 22.

- Double row roller bearing. A. G. F. Wallgren. 2,489,342, Nov. 29.
- Double salts of phenol sulfonic acids. J. G. McNab and C. Winning. 2,483,501, Oct. 4.
- Double seal milk can. J. A. Hopwood. 2,484,624, Oct. 11.
- Double-walled body for hot gases or vapors under super-atmospheric pressure. E. Villiger. 2,468,902, May 3.
- Dough cutter. F. B. Creider. 2,478,571, Aug. 9.
- Dough extruding and cutting machine. F. C. Werner and D. Spörte. 2,488,046, Nov. 15.
- Dough for baked products, Compounding and treating. J. J. Hennessy. 2,478,099, Aug. 2.
- Dough handling machine. H. W. Maull and J. H. Sauter. 2,471,112, May 24.
- Dough-mixing machine. T. F. Freed. 2,482,256, Sept. 20.
- Dough rounder. C. B. Seem. 2,461,929, Feb. 15.
- Doughnut machine. C. R. Petri. 2,487,271, Nov. 8.
- Doughnut machine. P. J. Toews. 2,467,787, Apr. 19.
- Doughnut machine. P. J. Toews. 2,476,467, July 19.
- Doughnut machine, Domestic. S. R. Hall. 2,482,668, Sept. 20.
- Dowel supporting assembly. W. S. Godwin. 2,460,172, Jan. 25.
- Draft control apparatus, Smoke box associated. R. R. McIntosh. 2,479,502, Aug. 16.
- Draft control, Barometric. E. B. Moore. 2,475,799, July 12.
- Draft control for grain driers, Automatic. A. B. Welty. 2,488,753, Nov. 22.
- Draft control, Range. R. C. Lang. 2,469,121, May 3.
- Drait controlling device. H. M. Cunningham. 2,487,856, Nov. 15.
- Draft controlling furnace door actuating means. J. Kaena and E. E. Kelly. 2,483,702, Oct. 4.
- Draft gear. G. Pelikan and G. R. Munro. 2,486,975, Nov. 1.
- Draft heater, including airtight ash pit, Down and cross. B. A. Landry. 2,481,165, Sept. 6.
- Draft mechanism, Two-wheeled trailer. R. I. Strong. 2,491,063, Dec. 13.
- Draft or tow bar. C. W. Galen. 2,468,438, Apr. 26.
- Draft regulator. F. R. Hoaglin. 2,476,662, July 19.
- Draft regulator. F. H. Schneider. 2,460,538, Feb. 1.
- Draft-rigging, Resiliently mounted. A. M. and M. P. Hut-ton. 2,484,889, Oct. 18.
- Draft switch. A. F. Geisel. 2,480,847, Sept. 6.
- Drafting apparatus. W. H. Murphy. 2,490,315, Dec. 6.
- Drafting board. R. D. Smith. 2,489,165, Nov. 22.
- Drafting machine. E. R. Booth. 2,459,216, Jan. 18.
- Drafting machine. Charles Henry and Charles Hubbard Little. 2,462,271, Feb. 22.
- Drafting machine. L. Ketting. 2,464,585, March 15.
- Drafting roll, Textile fiber. E. J. Courtney. 2,488,764, Nov. 22.
- Drafting textile fibers, Method and apparatus for. W. F. Bird. 2,471,057, May 24.
- Draftsman's device. R. M. Brown. 2,458,054, Jan. 4.
- Drag attachment for hand cutting torches. R. M. Rooke. 2,486,575, Nov. 1.
- Drag, Wave and current operated. J. Finn. 2,487,229, Nov. 8.
- Drain arrangement for enclosures such as enclosures of explosion-proof motors or the like. G. E. Petterson. 2,470,050, May 10.
- Drain cock. D. L. Phillips. 2,472,677, June 7.
- Drain cock receptacle. A. E. Slawik. 2,483,943, Oct. 4.
- Drain control device, Snap action. H. F. Beeke. 2,486,246, Oct. 25.
- Drain device. H. E. Dales and R. C. Baarlaer. 2,481,909, Sept. 13.
- Drain means for dishwashers and the like. C. Hollerith. 2,492,288, Dec. 27.
- Drain outlet and making same. P. F. Donahue. 2,492,093, Dec. 20.
- Drain trap. H. Havrenius. 2,484,031, Oct. 11.
- Drain valve. E. F. Pain. 2,484,723, Oct. 11.
- Drain valve. R. T. Snow. 2,487,194, Nov. 8.
- Drain valve. Z. J. Sogorka. 2,467,635, Apr. 19.
- Drainage apparatus, Automatic. C. O. De Witt. 2,462,614, Feb. 22.
- Drainage bottle holder. S. Clapp. 2,464,672, Mar. 15.
- Drainage device. J. E. Martin. 2,491,124, Dec. 13.
- Drainage system. W. Kjellman. 2,482,673, Sept. 20.
- Drainage system for tanks. J. M. Cranmer. 2,482,468, Sept. 20.
- Drainer, Piston oil. E. W. Mennie. 2,477,760, Aug. 2.
- Drainer, Pulp. A. J. Haug. 2,483,200, Sept. 27.
- Draining apparatus, Fuel. W. D. Gove. 2,479,614, Aug. 23.
- Drawbar and vehicle support, Combination. N. R. Krause and C. W. Hansen. 2,475,145, July 5.
- Drawbar for drags. C. W. Wait. 2,485,620, Mar. 29.
- Drawbar for sectional harrows, Folding. B. Landen. 2,486,483, Nov. 1.
- Drawbar for tractors. J. G. Gardner. 2,465,641, Mar. 29.
- Drawbar, Swinging. E. G. Blunier. 2,473,357, June 14.
- Drawbench. W. E. Kerr. 2,477,879, Aug. 2.
- Drawbench. E. J. McIlvried and N. H. Nye. 2,492,876, Dec. 27.
- Drawbench. W. Rodder. 2,472,231, June 7.
- Draw clamp. A. Carden. 2,459,681, Jan. 18.
- Draw cords in bags, Method of and apparatus for insert-ing. A. C. Ewer and R. W. Hanse. 2,477,053, July 26.
- Drawer, Accessible quick freeze. W. M. Baird. 2,477,853, Aug. 2.
- Drawer, Accessory. W. C. Higley. 2,492,697, Dec. 27.
- Drawer and associated structure, Depository. B. Cisenfeld. 2,465,481, Mar. 29.
- Drawer and support, Accessories. L. R. King. 2,492,871, Dec. 27.
- Drawer, Ball bearing. E. W. King. 2,472,593, June 7.
- Drawer construction. C. M. Johnson. 2,488,916, Nov. 22.
- Drawer, Detachably latched. G. Klein. 2,479,626, Aug. 23.
- Drawer liner. L. Vacheron. 2,478,987, Aug. 16.
- Drawer pull with trigger latch. F. Conley. 2,478,247, Aug. 9.
- Drawer, Sliding. W. F. Martin. 2,466,033, Apr. 5.
- Drawing and releasing device. Bow. F. E. Eicholtz. 2,461,042, Feb. 8.
- Drawing board. G. L. Jean. 2,484,294, Oct. 11.
- Drawing board. J. C. Pratt. 2,479,511, Aug. 16.
- Drawing crucible. C. R. Stevens. 2,460,547, Feb. 1.
- Drahtwister. F. S. Pollock, Jr. 2,474,912, July 5.
- Drayworks transmission. F. J. Young. 2,488,071, Nov. 15.
- Dress. A. M. Katz. 2,473,110, Aug. 2.
- Dress, Adjustable house. M. L. Harris. 2,470,031, May 10.
- Dress, Child's. N. R. Ryan. 2,464,946, Mar. 22.
- Dress, Convertible. P. M. Ackley. 2,479,091, Aug. 16.
- Dress form. L. M. Kahn. 2,478,107, Aug. 2.
- Dress, Maternity. H. E. Reno. 2,462,553, Feb. 22.
- Dress waist and dress skirt ensemble. P. Joe, Sr. 2,490,136, Dec. 6.
- Dresser, Grinding wheel. G. Eaton. 2,469,871, May 10.
- Dresser, Grinding wheel. F. A. Miller. 2,468,096, Apr. 26.
- Dresser, Grinding wheel. M. F. Porcello. 2,485,311, Oct. 18.
- Dresser, Involute form. C. Peters. 2,476,322, July 19.
- Dresser, Stone. P. Weynand. 2,471,991, May 31.
- Dressing mechanism. G. Stewart. 2,458,444, Jan. 4.
- Dressing, Surgical. W. J. Gardner. 2,472,009, May 31.
- Dressing threaded abrasive wheels. F. A. Lohutko. 2,482,784, Sept. 27.
- Dressing tool. W. M. Cochrane and H. A. Hanson. 2,468,039, Apr. 26.
- Dressing tool. L. Doerfler. 2,484,404, Oct. 11.
- Dried food product, Producing a. M. R. Coe. 2,481,723, Sept. 13.
- Drier: See—
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| Boot drier. | Electric hair drier. |
| Clothes drier. | Grain drier. |
| Coal drier. | Hair drier. |
| Continuous drier. | Hosiery drier. |
| Corn drier. | Outside clothes drier. |
| Crystal drier. | Portable clothes drier. |
| Diaper drier. | Rotary drier. |
| Electric clothes drier. | Sock drier. |
| Electric drier. | |
- Drier. K. E. McConaughay. 2,458,617, Jan. 11.
- Drier. W. Messinger. 2,486,719, Nov. 1.
- Drier. H. L. Newell. 2,487,722, Nov. 8.
- Drier. A. C. Travis. 2,463,218, Mar. 1.
- Drier and plow therefor, Centrifugal. G. S. Foster and G. W. Tern, Jr. 2,467,023, Apr. 12.
- Drier and shrinker, Matrix. C. C. Baker. 2,492,348, Dec. 27.
- Drier for combines, Wheat. H. J. Demuth. 2,465,070, Mar. 22.
- Drier for thermal pipe insulation. R. L. Lindemuth. 2,481,130, Sept. 6.
- Drier having fluid current conveying means, Double com-partment hay. E. P. Reese. 2,465,928, Mar. 29.
- Drier of the continuous type for textile materials. J. V. E. M. Poncelet. 2,479,049, Aug. 16.
- Drier or cooler, Rotary. J. L. Erisman. 2,483,630, Oct. 4.
- Drier suitable for drying the human fingers. A. Elliot. 2,490,019, Dec. 6.
- Drier with rotor, stationary casing, and terminal separa-tion means for drying materials and drying fluid, Con-current flow. O. Heller. 2,460,008, Jan. 25.
- Drill: See—
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| Angle drill. | Posthole drill. |
| Hammer drill. | Rock drill. |
| Hand drill. | Rotary percussion drill. |
| Ice drill. | Structure drill. |
| Portable drill. | |
- Drill bit. F. Thrift. 2,489,687, Nov. 29.
- Drill bit. W. B. Noble and W. C. Francis. 2,490,151, Dec. 6.
- Drill bit. W. E. Walker. 2,457,960, Jan. 4.
- Drill, Dental. M. F. Grogl. 2,473,583, June 21.
- Drill for automatic lathes, Accessory. A. Bechler. 2,475,734, July 12.
- Drill-holder. M. J. Brown and O. B. Wiley. 2,463,354, Mar. 1.
- Drill holder and like tool. C. de la Source. 2,474,726, June 28.
- Drill jack. S. H. McAfee, Jr. 2,471,374, May 24.
- Drill pipe cleaner. L. F. Abel. 2,460,481, Feb. 1.
- Drill press. B. W. Benbow. 2,483,613, Oct. 4.
- Drill press. G. C. Russell. 2,479,515, Aug. 16.
- Drill press clamp. V. W. Eshleman. 2,486,638, Nov. 1.
- Drill press converter and power take-off for rotary saws. G. M. White. 2,464,660, Mar. 15.

- Drill set, Transplanter. W. K. Cherry. 2,475,078, July 5.
 Drilling apparatus. R. A. Lehner. 2,491,273, Dec. 13.
 Drilling apparatus having crown block movable lengthwise of mast, Oil well. H. J. Woolsey, C. Jenkins, and W. H. Luitgen. 2,472,359, June 7.
 Drilling attachment, Tapering machine. E. Moyer. 2,467,399, Apr. 19.
 Drilling bit. J. A. Zublin. 2,463,932, Mar. 8.
 Drilling device, Deep well. V. Prassel. 2,463,420, Mar. 1.
 Drilling device, Earth. J. E. and A. O. Roberts. 2,491,908, Dec. 20.
 Drilling fluid. P. L. Roberts. 2,483,936, Oct. 4.
 Drilling fluid and mixing oil for the same, Oil base. G. Miller. 2,475,713, July 12.
 Drilling fluid composition. C. S. Penfield. 2,481,339, Sept. 6.
 Drilling fluid for heaving shale, Aqueous base. R. A. Salathiel. 2,474,330, June 28.
 Drilling fluid, Gel forming. B. S. Lindsey. 2,490,069, Dec. 6.
 Drilling fluid, Treatment of. H. H. Denton. 2,479,061, Aug. 16.
 Drilling fluids and using same. W. M. Hutchinson. 2,481,513, Sept. 13.
 Drilling fluids and using the same. C. R. Wagner and M. A. Ryan. 2,481,545, Sept. 13.
 Drilling fluids, Treatment of. M. Dyke and E. S. Self. 2,468,657-8, Apr. 26.
 Drilling machine. H. Goldberg. 2,472,967-8, June 14.
 Drilling machine. F. H. Mueller and J. J. Smith. 2,470,044, May 10.
 Drilling machine, Automatic. W. T. Bayless. 2,479,293, Aug. 16.
 Drilling machine, Automatic. R. E. Vanderhide. 2,460,156, Jan. 25.
 Drilling machine, Automatic. W. C. Vines. 2,475,342, July 5.
 Drilling machine for the simultaneous drilling of three holes. R. A. Nielsen. 2,484,243, Oct. 11.
 Drilling machine, Radial. A. Iseli. 2,489,644, Nov. 29.
 Drilling means, Well. P. J. Harinck. 2,485,826, Oct. 25.
 Drilling mechanism, Power. K. W. Couze. 2,480,554, Aug. 30.
 Drilling mud. W. E. Barnes. 2,491,436, Dec. 13.
 Drilling mud. H. W. Perkins. 2,491,437, Dec. 13.
 Drilling mud containing gelatinized starch and mono-ethanol ammonium 2-benzothiazyl sulfide. W. F. Russell. 2,473,392, June 14.
 Drilling mud using halloysite. H. A. Carlson. 2,489,521, Nov. 29.
 Drilling of diamonds and the like, Electric. W. B. Emerson and I. L. Cooter. 2,476,965, July 26.
 Drilling rig, Marine. H. J. Woolsey, E. A. Campbell, and C. Jenkins. 2,475,933, July 12.
 Drilling structure, Portable marine. J. Moon. 2,482,788, Sept. 27.
 Drilling wells through formations which produce gas containing large amounts of hydrogen sulfide. D. C. Bond, N. B. Russell, and G. G. Bernard. 2,485,231, Oct. 18.
 Drinking cup of sheet material. M. Cohen. 2,487,100, Nov. 8.
 Drinking trough, Poultry. C. Norland. 2,487,267, Nov. 8.
 Drinking tube holder. C. B. Cornwell. 2,469,292, May 3.
 Drive, Adjustable bolter. W. E. Norvell. 2,490,831, Dec. 13.
 Drive, Airplane. V. A. Larsen. 2,460,587, Feb. 1.
 Drive and control for wheel chairs, Electric motor. H. R. Peterson and F. H. Jock. 2,482,203, Sept. 20.
 Drive and speed control means therefor, Hydraulic. R. Tyler. 2,492,720, Dec. 27.
 Drive attachment, Conveyer. G. O. Hoffstetter. 2,488,407, Nov. 15.
 Drive attachment for bicycles, Power. W. E. Armstrong. 2,486,095, Oct. 25.
 Drive, Automatic feathering and nonstallable force. B. F. Kenyon. 2,489,646, Nov. 29.
 Drive, Automatically variable speed scavenge pump. J. S. Hasbrouck. 2,487,439, Nov. 8.
 Drive chain. R. T. Sweeney. 2,486,618, Nov. 1.
 Drive, Constant or variable-speed. J. H. Egy. 2,480,841, Sept. 6.
 Drive control, Accessory. A. J. Mastropole. 2,487,934, Nov. 15.
 Drive, Core-type reel. A. T. Bachelier. 2,476,796, July 19.
 Drive, Engine starter. D. L. Miller. 2,481,324, Sept. 6.
 Drive, Engine starter. D. L. Miller. 2,487,579, Nov. 8.
 Drive, Engine starter. P. L. Schneider and D. W. Nighbert. 2,481,249, Sept. 6.
 Drive, Flexible. J. E. Collins. 2,474,347, June 28.
 Drive, Flexible. W. E. Leibing and R. D. Fageol. 2,491,820, Dec. 20.
 Drive, Flexible shaft. A. Wyzenbeck. 2,487,915, Nov. 15.
 Drive for air conditioning blowers, One-way. L. A. Nelson. 2,489,536, Nov. 29.
 Drive for auxiliary devices. H. J. Findley. 2,475,229, July 5.
 Drive for blowpipe propelling machines, Vibratory traction. L. W. Young. 2,466,143, Apr. 5.
 Drive for contrarotating propellers. T. Clark and D. Hariman. 2,481,290, Sept. 6.
 Drive for drills, Flexible. A. L. Wilber. 2,487,203, Nov. 8.
 Drive for gas turbine locomotives, Electric. A. F. Schwendner. 2,472,924, June 14.
 Drive for hoists or the like, Hydraulic. J. Robinson. 2,465,485, Mar. 29.
 Drive for impression cylinders of matrix rollers. W. P. V. Ross. 2,466,968, Apr. 12.
 Drive for knitting machines, Plating carrier. U. Pianta. 2,487,943, Nov. 15.
 Drive for leatherworking machines, Hydraulic. R. J. Stehling. 2,471,984, May 31.
 Drive for machine tools, Reciprocatory. K. F. Gallimore. 2,483,535, Oct. 4.
 Drive for motor vehicles, Hydraulic. H. A. Kopp. 2,468,828, May 3.
 Drive for moving stairways. H. E. Hansen. 2,491,974, Dec. 20.
 Drive for multiunit printing presses. H. E. Peyrebrune. 2,484,905, Oct. 18.
 Drive for narrow ware looms, Shuttle. E. R. Holmes. 2,478,581, Aug. 9.
 Drive for overhead conveyers. E. E. Landahl. 2,476,497, July 19.
 Drive for paper making machines, Motor. J. E. Goodwillie and E. D. Beachler. 2,487,702, Nov. 8.
 Drive for phonographs and sound recording machines, Dual-speed. F. W. Bowen. 2,491,949, Dec. 20.
 Drive for phonographs and the like. E. W. Ballentine and S. A. Stolberg. 2,480,623, Aug. 30.
 Drive for planters, Reel. G. M. Kriegbaum and C. C. Haas. 2,473,959, June 21.
 Drive for plating carriers in knitting machines. U. Pianta. 2,485,917, Oct. 25.
 Drive for plural airscrews, Single or multiengine. C. H. Zimmerman and H. J. Rapuano. 2,462,824, Feb. 22.
 Drive for refuse body and safety control therefor, Hydraulic. L. W. Wachter. 2,480,527, Aug. 30.
 Drive for rotary grates and the like, Hydraulic. F. W. Spahr and J. S. Haug. 2,471,983, May 31.
 Drive for rotary tables. J. V. Davis. 2,482,326, Sept. 20.
 Drive for tools, Ratchet. G. G. Shurtleff. 2,474,377, June 28.
 Drive for trucks, Dual. R. R. Gentry. 2,477,925, Aug. 2.
 Drive for twisting spindles, High-speed. M. C. Miller. 2,488,311, Nov. 15.
 Drive incorporating a pair of clutches, Centrifuge bowl. C. C. S. Le Clair. 2,476,377, July 19.
 Drive, Intermittent motion magnetic. G. W. Sprenger. 2,481,360, Sept. 6.
 Drive, Magnetic. C. P. Bergman. 2,487,783, Nov. 15.
 Drive means for compressors or the like. F. W. Edwards. 2,457,880, Jan. 4.
 Drive means for rotary rod weeders. V. F. Bozeman and H. F. Clausen. 2,488,265, Nov. 15.
 Drive, Mechanical stoker. F. A. Gruetjen. 2,463,103, Mar. 1.
 Drive mechanism. J. L. Perkins. 2,473,816, June 21.
 Drive mechanism. H. W. Sanford. 2,484,187, Oct. 11.
 Drive mechanism. E. Y. Seborg. 2,470,415, May 17.
 Drive mechanism. E. F. Vanderbosch. 2,463,332, Mar. 1.
 Drive mechanism connected with carding engines. I. Marsden. 2,466,606, Apr. 5.
 Drive mechanism, especially for the axles of motor vehicles, Multiratio. F. W. Avila. 2,480,210, Aug. 30.
 Drive mechanism for automatic lathes. W. F. Groene and H. C. Kemper. 2,474,104, June 21.
 Drive mechanism for charts, Pneumatic. E. C. Burdick. 2,491,361, Dec. 13.
 Drive mechanism for fabric towel-dispensing cabinet, Stop-controlled. E. G. Birr. 2,464,782, Mar. 22.
 Drive mechanism for grinding wheels. H. F. Shekels. 2,487,949, Nov. 15.
 Drive mechanism for high-vacuum stills, Turbine. K. C. D. Hickman. 2,488,191, Nov. 15.
 Drive mechanism for superfrequency receivers, Tuning. G. H. Burbage. 2,479,555, Aug. 23.
 Drive mechanism for tractors, Adjustable. O. J. Milliken. 2,458,400, Jan. 4.
 Drive mechanism for vehicles, Solid axle. G. E. McFarlane. 2,458,089, Jan. 4.
 Drive mechanism for washing machines and the like. J. E. Lyle and W. H. Haines. 2,487,253, Nov. 8.
 Drive mechanism, Grain blower. E. J. Wondra. 2,462,588, Feb. 22.
 Drive mechanism, Locomotive axle. W. A. Brecht. 2,482,459, Sept. 20.
 Drive mechanism, Projector. S. E. Bartelson. 2,478,679, Aug. 9.
 Drive mechanism, Reduction. O. J. Huelster. 2,472,771, June 7.
 Drive mechanism, Reversible. V. B. M. Mallentier. 2,468,453, Apr. 26.
 Drive mechanism, Reversible. J. L. Sharon. 2,467,504, Apr. 19.
 Drive mechanism with power feedback, Reduction. S. G. Guins. 2,477,451, July 26.
 Drive, Motor. W. H. Rouse. 2,461,659, Feb. 15.
 Drive, Outboard propeller. R. M. Roof. 2,486,574, Nov. 1.
 Drive, Phonograph turntable. F. L. Lindstrom. 2,489,792, Nov. 29.
 Drive, Pickup. S. D. Russell. 2,489,199, Nov. 22.
 Drive pinion, Flexible. N. E. Gee. 2,477,175, July 26.
 Drive, Press bed. J. C. E. Bourassa. 2,483,121, Sept. 27.
 Drive, Pump. J. D. Spalding. 2,488,069, Nov. 15.
 Drive, Reversible. L. E. Misippo. 2,478,543, Aug. 9.
 Drive shaft assembly. A. R. Maier. 2,458,087, Jan. 4.

- Drive shaft, Engine valve. R. M. Heintz. 2,487,872, Nov. 15.
- Drive, Stacker. B. Sharp and C. W. Hess. 2,488,833, Nov. 22.
- Drive system, Electromechanical. R. L. Davis. 2,459,064, Jan. 11.
- Drive system, Film. G. A. Mitchell. 2,463,548, Mar. 8.
- Drive system for magnetic recorders. W. H. Wade. 2,482,887, Sept. 27.
- Drive system, Turntable. T. C. Sharp. 2,485,848, Oct. 25.
- Drive system, Two-speed propeller. K. A. Browne. 2,482,460, Sept. 20.
- Drive, Torque converter. E. F. Norelius. 2,481,529, Sept. 13.
- Drive, Track. E. S. MacPherson. 2,463,040, Mar. 1.
- Drive track, Friction. R. W. Smith. 2,476,460, July 19.
- Drive transmission mechanism, Garden tractor. R. W. Atwood. 2,465,567, Mar. 29.
- Drive transmitting device. J. R. Lemon. 2,478,289, Aug. 9.
- Drive, Turntable. F. G. Buhrendorf. 2,491,247, Dec. 13.
- Drive, Two-speed. J. H. Holstein. 2,480,136, Aug. 30.
- Drive unit, Fluid. C. A. Hiler and W. E. Nelson. 2,491,560, Dec. 20.
- Drive unit for floor treating machines. W. E. and W. R. Holt. 2,468,929, May 3.
- Drive, V-belt variable-speed. W. B. Dulaney. 2,486,524, Nov. 1.
- Drive, Variable ratio. W. Lehnert. 2,481,315, Sept. 6.
- Drive, Variable-speed. B. H. Locke. 2,488,871, Nov. 22.
- Drive, Variable-speed. B. H. Locke. 2,491,745, Dec. 20.
- Drive, Variable-speed. W. M. Schweickart. 2,459,969, Jan. 25.
- Drive wheel assembly. H. J. Mertz. 2,476,059, July 12.
- Drive with resilient transmission element, Helicopter. C. P. Heintze. 2,487,653, Nov. 8.
- Drive, Wobbler. E. E. K. Sparmann. 2,463,818, Mar. 8.
- Driver and extractor for stud bolts and the like. A. S. F. Randolph. 2,488,933, Nov. 22.
- Driver for dimpling mandrels. H. R. Fischer. 2,478,382, Aug. 9.
- Driver for variable resistors. M. B. Arisman, A. J. Vaks-vik, and R. W. Magnusen. 2,484,667, Oct. 11.
- Driver, Stud. F. A. Miller. 2,458,622, Jan. 11.
- Driving and braking mechanism, Power-operated. E. R. Lochman. 2,470,103, May 17.
- Driving and steering mechanism. O. H. Banker. 2,486,815, Nov. 1.
- Driving apparatus with manual torque control. C. L. Guinn and J. H. Carmean. 2,466,231, Apr. 5.
- Driving arrangement for looms. G. Wiget. 2,477,709, Aug. 2.
- Driving arrangement for spindles of spinning and doubling frames. W. Naegeli. 2,472,226, June 7.
- Driving device for revolving members. P. G. Vanni. 2,458,452, Jan. 4.
- Driving device, Golf ball. W. A. Malkan. 2,477,308, July 26.
- Driving device, Tack. A. E. Binns. 2,481,190, Sept. 6.
- Driving head for wringers. J. Oakley. 2,482,717, Sept. 20.
- Driving means for cage wheels and the like. P. R. Billey. 2,486,513, Nov. 1.
- Driving means for electric lifts, Fast and slow speed. W. G. Foulds. 2,466,167, Apr. 5.
- Driving means for spinning, twisting, and like spindles. J. Serra y Si6. 2,460,152, Jan. 25.
- Driving means for the spindles of spinning, twisting, and like machines. A. Portmann. 2,478,979, Aug. 16.
- Driving mechanism. R. G. Olson. 2,467,627, Apr. 19.
- Driving mechanism, Belt. S. T. and F. L. Farrell. 2,469,296, May 3.
- Driving mechanism, Drill spindle. W. G. Hoelscher. 2,475,665, July 12.
- Driving mechanism, Electromagnetic. S. E. Christiansen. 2,465,198, Mar. 22.
- Driving mechanism for article forming apparatus. L. A. Freeman. 2,481,653, Sept. 13.
- Driving mechanism for automatic bar stock machines and the like. E. J. Robichaud. 2,481,153, Sept. 6.
- Driving mechanism for drying machines. G. H. Amonsens. 2,477,949, Aug. 2.
- Driving mechanism for engine accessories. R. Bfunden. 2,467,077, Apr. 12.
- Driving mechanism for producing gyratory movements. G. H. Hebebrand. 2,479,682, Aug. 23.
- Driving mechanism for X-ray grids. R. H. Morgan and P. C. Hodges. 2,467,592, Apr. 19.
- Driving mechanism, Radar antenna. H. A. Baxter and H. T. Budenbom. 2,479,897, Aug. 23.
- Driving mechanism, Spring-operated. A. Allan and J. Small. 2,470,875, May 17.
- Driving mechanism, Stud. W. B. Bronander. 2,483,751, Oct. 4.
- Driving unit. H. C. Hesse. 2,489,642, Nov. 29.
- Driving unit, Automotive. M. F. Moore and W. S. Berry. 2,492,923, Dec. 27.
- Driving unit, Propeller. E. H. Desmoulins. 2,480,806, Aug. 30.
- Driving wheel carrier. S. T. Couch. 2,491,034, Dec. 13.
- Drop end gondola car. O. Ingram. 2,484,512, Oct. 11.
- Drop wire clamp. C. S. Gordon, W. J. Lally, and G. H. Zieschang. 2,472,527, June 7.
- Dropper, Plunger fed. C. L. Ludwig. 2,458,085, Jan. 4.
- Drowning attachment for traps. G. Adkins. 2,484,479, Oct. 11.
- Drum agitator. J. H. Ingraham and W. A. Williams. 2,469,557, May 10.
- Drum and floor sanding abrasive sheet, Sander. N. Degen. 2,492,849, Dec. 27.
- Drum beater. W. D. Gladstone. 2,485,824, Oct. 25.
- Drum beater. M. Goldrich. 2,485,822-3, Oct. 25.
- Drum, Cable. R. H. Zeilman. 2,478,615, Aug. 9.
- Drum calendar, Intermittently and pawl driven, single axis, multiple. J. C. Morris. 2,458,092, Jan. 4.
- Drum for nail cleaning apparatus, Rotary screening. B. N. Bletso and W. Thompson. 2,461,366, Feb. 8.
- Drum, Level winding. W. M. Brown. 2,483,688, Oct. 4.
- Drum, Practice. D. L. Banta. 2,475,873, July 12.
- Drum stick and maraca, Combination. H. Mossey. 2,466,554, Apr. 5.
- Drum structure. B. A. Perry. 2,485,985, Oct. 25.
- Drum structure, Bottle holding. A. L. Nelson. 2,483,059, Sept. 27.
- Drum structure for ring and roll mills. R. F. Dore and G. L. Chrisope. 2,478,467, Aug. 9.
- Drum type induction furnace. M. Tama and J. L. Hoff. 2,474,443, June 28.
- Drum-type magnetic separator. W. Byrd, Jr. 2,489,264, Nov. 29.
- Dry-air pump. C. R. Cox. 2,469,328, May 3.
- Dry cleaning. A. G. Aitchison. 2,475,418, July 5.
- Dry cleaning. C. S. Arnold. 2,471,667, May 31.
- Dry cleaning, Method and apparatus for. M. T. Hoffman. 2,479,358, Aug. 16.
- Dry dock, Floating. J. S. Crandall. 2,465,851, Mar. 29.
- Dry dock, Floating. F. R. Harris. 2,471,065, May 24.
- Dry egg composition. E. K. Chapin. 2,479,310, Aug. 16.
- Dry primary cell. S. Ruben. 2,463,565, Mar. 8.
- Dry seal pressure type gas holder. J. H. Wiggins. 2,487,998, Nov. 15.
- Dry sorbitol, Production of. E. G. Almy. 2,483,254, Sept. 27.
- Dry sterilizer cabinet. L. Fisher. 2,490,344, Dec. 6.
- Drying. J. G. Wiegink. 2,490,938, Dec. 13.
- Drying and conditioning of yarns. W. H. Furness. 2,460,879, Feb. 8.
- Drying and dehumidifying means for corncribs and the like. R. E. Blake, W. L. Thomas, and P. Grange. 2,466,362, Apr. 5.
- Drying and mounting apparatus, Photographic print. D. H. Hester. 2,477,603, Aug. 2.
- Drying apparatus. B. R. Andrews. 2,473,629, June 21.
- Drying apparatus. F. W. Koster and L. A. Oberly. 2,485,609, Oct. 25.
- Drying apparatus. R. C. Morris. 2,486,315, Oct. 25.
- Drying apparatus, Can. H. L. Smith, Jr. 2,489,468, Nov. 29.
- Drying apparatus, Hair. D. W. Haarman. 2,478,393, Aug. 9.
- Drying apparatus, Hair. J. Moiseew dit Stone. 2,481,328, Sept. 6.
- Drying apparatus, Hair. H. Orner. 2,488,553, Nov. 22.
- Drying apparatus, Hair. A. G. Roberts. 2,474,165, June 21.
- Drying apparatus, Material. J. E. Kennedy. 2,469,562, May 10.
- Drying apparatus, Material. S. Martin, Jr. 2,492,754, Dec. 27.
- Drying apparatus, Spray. O. T. Pieper. 2,478,779, Aug. 9.
- Drying apparatus, Steam. M. Frisch. 2,472,101, June 7.
- Drying cabinet. M. B. Williams. 2,479,706, Aug. 23.
- Drying device, Hair. E. F. K. Fluegel. 2,481,407, Sept. 6.
- Drying eggs. G. Josh, L. A. Harriman, and E. W. Hopkins. 2,460,986, Feb. 8.
- Drying equipment. C. T. McGraw. 2,464,708, Mar. 15.
- Drying gases. W. F. Rollman. 2,475,255, July 5.
- Drying grain. G. Wood and J. Mahon. 2,469,424, May 10.
- Drying hair. F. O. Conill. 2,481,645, Sept. 13.
- Drying hydrogel catalysts. J. J. Owen. 2,475,984, July 12.
- Drying machine for coated articles. B. Speicher. 2,463,570, Mar. 8.
- Drying materials, Process and apparatus for. C. Surico. 2,466,130, Apr. 5.
- Drying of artificial fibers, filaments, and the like. R. L. Wormell. 2,486,903, Nov. 1.
- Drying of foofs, Electronic. B. Clayton. 2,472,193, June 7.
- Drying oil by polymerization of olefins, Preparation of. P. H. Carnell. 2,481,498, Sept. 13.
- Drying oil, Preparing oxidized. I. J. Novak. 2,488,680, Nov. 22.
- Drying oil products and making same. J. B. Rust. 2,482,736, Sept. 20.
- Drying oil residues, Comminuted. W. F. Schaufelberger. 2,459,342, Jan. 18.
- Drying or cleaning apparatus, Hand. H. Barnes. 2,472,272, June 7.
- Drying polymeric materials. A. B. Japs. 2,460,582, Feb. 1.
- Drying rack. C. F. Smith. 2,483,242, Sept. 27.
- Drying reel. W. D. Renner. 2,485,412, Oct. 18.
- Drying selenium with high-frequency electric current. G. R. Walter and N. P. Kemp. 2,488,839, Nov. 22.

- Drying solid articles by heating and cooling, Method and apparatus for. G. Leischner. 2,463,782, Mar. 8.
- Drying system, Tape. E. J. Carter. 2,491,714, Dec. 20.
- Drying unit, Leather. D. A. Kelly. 2,484,349, Oct. 11.
- Dual action switch. W. B. Harrison, Jr. 2,462,495, Feb. 22.
- Dual-capacitor motor. P. H. Trickey. 2,464,756, Mar. 15.
- Dual check valve. G. E. Carleton. 2,470,471, May 17.
- Dual circuit generator. D. B. Hoover and G. L. Godwin. 2,467,751, Apr. 19.
- Dual fireplace heater. K. H. Hermanson. 2,484,292, Oct. 11.
- Dual firing rate house heating oil burner. J. A. Logan. 2,464,699, Mar. 15.
- Dual firing rate oil burner. R. M. Cochrane. 2,476,701, July 19.
- Dual fuel engine. W. L. H. Doyle. 2,489,405, Nov. 29.
- Dual-generator mounting. E. O. Mueller and C. A. Atwell. 2,476,893, July 19.
- Dual grip contractible hose coupling. H. K. Ansingh. 2,472,455, June 7.
- Dual permutation and cylinder padlock. H. E. Soref and D. J. Foote. 2,487,608, Nov. 8.
- Dual purpose sleeve-spring spring jack. J. E. Bosh. 2,470,915, May 24.
- Dual safety valve. C. H. Folmsbee. 2,489,216, Nov. 22.
- Dual spinner game indicator. J. O. Daigle. 2,466,981, Apr. 12.
- Dual-voltage dual speed capacitor motor. P. H. Trickey. 2,474,195, June 21.
- Dual-voltage single-phase motor. L. W. Buchanan. 2,459,615, Jan. 18.
- Duck call. G. L. Tierce. 2,488,838, Nov. 22.
- Duck decoy, Collapsible. J. Valasek. 2,466,626, Apr. 5.
- Duct. F. A. Greenwald. 2,468,493, Apr. 26.
- Duct element, Intended in particular for laying electric cables. C. Ruchti. 2,473,909, June 21.
- Duct, Insulated. E. Rinehart. 2,489,048, Nov. 22.
- Duct system for supercharged engines. R. Cramer, Jr. 2,479,318, Aug. 16.
- Dump body, Automatic. M. E. Teague. 2,460,403, Feb. 1.
- Dump can. V. Schwarzkopf. 2,464,531, Mar. 15.
- Dump can. V. Schwarzkopf. 2,480,778, Aug. 30.
- Dump car. H. W. Johns. 2,471,874, May 31.
- Dump car control. R. C. Kepner. 2,487,447, Nov. 8.
- Dump car door lock. J. R. Sheesley. 2,482,516, Sept. 20.
- Dump grate mechanism. D. J. Mosshart. 2,482,632, Sept. 20.
- Dump, Rotary. E. Ramsay. 2,461,771, Feb. 15.
- Dump skip, Automatic. C. D. Woodward and F. E. Ralph. 2,479,449, Aug. 16.
- Dump wagon and elevator, Combined tractor powered. P. R. Gibson. 2,482,413, Sept. 20.
- Dumpcart. S. C. Bedell. 2,482,608, Sept. 20.
- Dumper, Car. R. W. Crist. 2,479,816, Aug. 23.
- Dumping car. A. W. Lancaster. 2,482,347, Sept. 20.
- Dumping control, Tractor-shovel hydraulic. R. L. Beyerstedt. 2,463,675, Mar. 8.
- Dumping device for buckets. M. A. Adams. 2,482,829, Sept. 27.
- Dumping device, Mold. E. S. Walker and T. J. Glaza. 2,466,650, Apr. 5.
- Dumping machine, Box. F. A. Van Vleck. 2,459,204, Jan. 18.
- Duplex valve. E. L. Miller. 2,479,177, Aug. 16.
- Duplicating. A. L. Erickson. 2,459,067, Jan. 11.
- Duplicating apparatus. A. J. Levenhagen and W. J. Champion. 2,465,160, Mar. 22.
- Duplicating machine. M. R. Avery. 2,466,873, Apr. 12.
- Duplicating machine. H. Carson, H. M. Geyer, and J. W. Light. 2,484,553, Oct. 11.
- Duplicating machine. H. G. Robinson. 2,479,865, Aug. 23.
- Duplicating machine, Key. M. Stolove and J. W. Hopkins, Sr. 2,467,575, Apr. 19.
- Duplicating of index cards and the like for cross-filing purposes. I. B. Current. 2,490,033, Dec. 6.
- Dust collecting and optical measuring device. H. C. Grant, Jr. 2,489,286, Nov. 29.
- Dust collecting apparatus. J. R. Burke. 2,470,601, May 17.
- Dust collector. F. N. Niederkorn. 2,464,648, Mar. 15.
- Dust collector. C. M. Park. 2,482,362, Sept. 20.
- Dust collector. G. C. Ziliotto. 2,473,672, June 21.
- Dust collector and sludge separator. E. F. Fisher. 2,484,277, Oct. 11.
- Dust excluding device for carpeted stairs. W. J. Neumann. 2,458,293, Jan. 4.
- Dust mop cleaner. J. A. Jones. 2,466,771, Apr. 12.
- Dustpan. P. W. Johnson. 2,475,619, July 12.
- Dust-precipitating unit, Electrical. V. Dahlman. 2,488,712, Nov. 22.
- Dust precipitator, Electrical. V. Dahlman. 2,486,521, Nov. 1.
- Dust precipitator, Electrostatic. G. W. Penney and G. W. Hewitt. 2,476,903, July 19.
- Dust removal machine for hides or skins, Pneumatic. C. D. Knowlton and J. G. Hollick. 2,482,781, Sept. 27.
- Duster, Foot. M. H. Swerdlow and J. H. Saidel. 2,484,659, Oct. 11.
- Duster for Venetian blinds, Suction. E. C. Westhoff. 2,490,892, Dec. 13.
- Duster, Rock. A. J. and G. D. Gurney. 2,489,090, Nov. 22.
- Dusting apparatus. C. E. Blanchard and A. W. Ferre. 2,458,674, Jan. 11.
- Dusting apparatus, Livestock. A. Paul, Jr. 2,480,601, Aug. 30.
- Dusting boom. A. R. Nichols. 2,467,594, Apr. 19.
- Dye composition comprising an alkylol amine, Liquid sulfur. R. C. Conn. 2,472,052, May 31.
- Dye compounds containing a butadiene-1,3 grouping, Monoazo. J. B. Dickey. 2,469,682, May 10.
- Dye intermediates. J. O. Corner and D. W. Woodward. 2,465,067, Mar. 22.
- Dye intermediates, Hydrophilic. D. W. Woodward. 2,473,403, June 14.
- Dye intermediates, Production of. R. M. Leekley. 2,472,666, June 7.
- Dye, Monoazo. J. B. Dickey and J. G. McNally. 2,470,094, May 17.
- Dye-sensitized photographic silver halide emulsion. A. W. Anish. 2,464,780, Mar. 22.
- Dye, Water-insoluble monoazo. H. Z. Lecher and F. H. Adams. 2,468,600, Apr. 26.
- Dyeable corrosion resistant surface on zinc and high zinc alloys, Process and composition for producing a. E. R. McLean and D. M. Jenkins, Jr. 2,477,310, July 26.
- Dyeing and creping process for organic derivative of cellulose fabrics, Combined. C. M. Croft and W. H. Hindle. 2,460,875, Feb. 8.
- Dyeing apparatus. L. J. Lederer and L. J. Lederer, Jr. 2,458,208, Nov. 15.
- Dyeing, Continuous. W. M. Wentz. 2,460,206, Jan. 25.
- Dyeing glass fibers. H. Roesti. 2,462,428, Feb. 22.
- Dyeing nylon with acid dyes of limited solubility. F. C. McGrew and W. H. Sharkey. 2,459,831, Jan. 25.
- Dyeing of nylon fabrics with insoluble acetate dyes and a subsequent steaming step. C. M. Croft. 2,474,890, July 5.
- Dyeing of nylon fibers by treating with nitrogenous condensation products. J. H. MacGregor. 2,458,397, Jan. 4.
- Dyeing of resins with polyhydroxy alcohol assistants. H. C. Olpin and A. J. Wesson. 2,461,612, Feb. 15.
- Dyeing process using esterified azo dyes, Single bath chrome. F. Felix, A. Heckendorn, and W. Widmer. 2,478,185, Aug. 9.
- Dyeing textile fibers with vat dyes. P. H. Stott and R. A. Shimp. 2,487,197, Nov. 8.
- Dyeing vinyl chloride fibers with basic dyes. H. T. Neumann. 2,489,537, Nov. 29.
- Dyeing with metallized dyes. H. E. Millson and S. Mooradian. 2,470,080, May 10.
- Dyes and intermediates, Polymethine. F. M. Hamer, R. J. Rathbone, and B. S. Winton. 2,484,503, Oct. 11.
- Dyes, Azo. W. H. von Glahn. 2,492,907, Dec. 27.
- Dyes, Azo-azoxy. E. Keller. 2,466,245, Apr. 5.
- Dyes containing an isosquinoxaline nucleus, Methine. F. L. White and L. G. S. Brooker. 2,466,523, Apr. 5.
- Dyes containing styryl dye nuclei, Sensitizing. C. D. Wilson. 2,465,412, Mar. 29.
- Dyes, Disazo. O. Kaiser and E. Reich. 2,467,621, Apr. 19.
- Dyes, Metalliferous azoic. J. Miller and E. A. Markush. 2,491,928, Dec. 20.
- Dyes, Metallized tetrakisazo. W. Wehrli. 2,472,965, June 14.
- Dyes, Monoazo pyrazolone. O. Knecht and T. Wirth. 2,471,628, May 31.
- Dyes, Stilbene azo. E. Keller. 2,468,204, Apr. 26.
- Dyes, Triazine azo. E. Bernasconi. 2,460,618, Feb. 1.
- Dyes, Trinuclear iminol cyanine. A. W. Anish. 2,471,006, May 31.
- Dyes, Trisazo. W. Wehrli and F. Kehrer. 2,471,664, May 31.
- Dyestuff intermediates, Production of. J. D. Kendall and F. P. Doyle. 2,465,883, Mar. 29.
- Dyestuff mixtures and making same. P. Grossmann. 2,485,197, Oct. 18.
- Dyestuff, Producing water-soluble leuco vat. C. M. Croft and W. H. Hindle. 2,476,287, July 19.
- Dyestuff, Vat. E. Mörgeli and W. Kern. 2,466,960, Apr. 12.
- Dyestuffs and dyeing cellulose acetate, Azo. G. Kopp, and R. E. M. Gangneux. 2,488,204, Nov. 15.
- Dyestuffs and dyestuff intermediates, Cyanine. J. D. Kendall, H. G. Suggate, and H. W. Wood. 2,474,426, June 28.
- Dyestuffs and their manufacture, Disazo. P. Grandjean. 2,458,776, Jan. 11.
- Dyestuffs and their manufacture, Disazo. H. Ischer. 2,472,215, June 7.
- Dyestuffs, Anthraquinone vat. T. Holbro, W. Kern, and P. Sutter. 2,459,941, Jan. 25.
- Dyestuffs, Anthrimide-carbazole. H. Hauser and M. Bommer. 2,473,950, June 21.
- Dyestuffs, Chromable azo. A. Conzetti and G. Schetty. 2,468,172, Apr. 26.
- Dyestuffs, Cyanine. J. D. Kendall and F. P. Doyle. 2,471,488, May 31.
- Dyestuffs, Diphenylamine sulfonamide. G. W. Seymour, V. S. Salvin, and W. D. Jones. 2,474,333, June 28.
- Dyestuffs, Disazo. C. I. Anderson. 2,474,024, June 21.
- Dyestuffs, Metallizable benzimidazole. C. E. Lewis. 2,475,506, July 5.
- Dyestuffs, Monoazo. B. J. Heywood. 2,473,885, June 21.

- Dyestuffs, Monoazo. B. J. Heywood. 2,474,736-7, June 28.
Dyestuffs, Vat. R. N. Heslop, F. Irving, and A. Livingston. 2,470,032, May 10.
Dyestuffs, Water-insoluble azo. H. P. Orem, F. H. Adams, and J. P. Goulding. 2,468,457, Apr. 26.
Dyestuffs, Yellow azo. N. H. Haddock and C. Wood. 2,460,932, Feb. 8.
Dynamic braking of series motors. E. B. Ankenman. 2,482,453, Sept. 20.
Dynamic condenser. H. Palevsky and R. K. Swank. 2,483,981, Oct. 4.
Dynamo-electric machine. A. Allison. 2,463,936, Mar. 8.
Dynamo-electric machine. E. A. Binney. 2,474,648, June 28.
Dynamo-electric machine. P. I. Chandeysson. 2,470,845, May 24.
Dynamo-electric machine. A. M. Cummings. 2,458,569, Jan. 11.
Dynamo-electric machine. C. O'Daniel. 2,487,362, Nov. 8.
Dynamo-electric machine. K. H. Fox. 2,480,844, Sept. 6.
Dynamo-electric machine. H. B. Fuge. 2,469,820, May 10.
Dynamo-electric machine. R. A. Fuller. 2,473,244, June 14.
Dynamo-electric machine. E. B. George, B. E. Wallace, and R. S. Waters. 2,487,328, Nov. 8.
Dynamo-electric machine. R. F. Hertel. 2,460,749-50, Feb. 1.
Dynamo-electric machine. A. C. Hugin. 2,487,551, Nov. 8.
Dynamo-electric machine. W. E. Jacobsen. 2,460,752, Feb. 1.
Dynamo-electric machine. I. Kalkow. 2,461,985-6, Feb. 15.
Dynamo-electric machine. T. M. Linville. 2,471,157, May 24.
Dynamo-electric machine. F. W. Merrill. 2,483,146, Sept. 27.
Dynamo-electric machine. F. W. Merrill. 2,486,861, Nov. 1.
Dynamo-electric machine. F. W. Merrill. 2,492,758, Dec. 27.
Dynamo-electric machine. C. W. H. Minchin. 2,469,662, May 10.
Dynamo-electric machine. E. O. Mueller. 2,459,673, Jan. 18.
Dynamo-electric machine. P. S. Potts. 2,473,259, June 14.
Dynamo-electric machine. W. A. Pringle. 2,483,151, Sept. 27.
Dynamo-electric machine. L. P. Shildneck and J. M. Lyons. 2,489,109, Nov. 22.
Dynamo-electric machine. C. A. Thomas. 2,465,824, Mar. 29.
Dynamo-electric machine. C. A. Thomas. 2,474,871, July 5.
Dynamo-electric machine. C. A. Thomas. 2,492,771, Dec. 27.
Dynamo-electric machine. E. P. Turner. 2,478,551, Aug. 9.
Dynamo-electric machine. E. C. Watson and A. W. Kimball. 2,482,526, Sept. 20.
Dynamo-electric machine. M. P. Winther. 2,462,451, Feb. 22.
Dynamo electric machine. M. P. Winther. 2,484,138, Oct. 11.
Dynamo-electric machine. M. P. Winther. 2,492,776, Dec. 27.
Dynamo-electric machine. M. P. and A. Winther. 2,465,982, Mar. 29.
Dynamo-electric machine. T. F. Worth. 2,471,182, May 24.
Dynamo-electric machine, Adjustable speed. W. R. Goss. 2,471,151, May 24.
Dynamo-electric machine and cleaner apparatus, Inductor type. H. M. Martin. 2,490,531, Dec. 6.
Dynamo-electric machine, Enclosed. H. M. Elsey. 2,488,387, Nov. 15.
Dynamo-electric machine having laminated armature with teeth slotted to reduce eddy currents. W. L. Ringland. 2,473,302, June 14.
Dynamo-electric machine with laminated interpole flux path. C. O. Weilbaecher. 2,475,535, July 5.
Dynamo-electric machines, Manufacturing. H. C. Roters. 2,483,024, Sept. 27.
Dynamo-electric machines, Structure of. H. A. W. Klinker. 2,464,320, Mar. 15.
Dynamo-electric unit, Synchronous cascade. E. O. Schweitzer, Jr. 2,477,423, July 26.
Dynamo-electric voltage regulator. W. A. Pringle and W. R. Goss. 2,466,476, Apr. 5.
Dynamometer, Torsion. G. I. Chinn. 2,491,251, Dec. 13.
Dynamometric jack. A. H. Mann. 2,491,508, Dec. 20.
Dynamotor. K. H. Fox. 2,458,507, Jan. 11.
Dynamotor. J. Nader. 2,467,563, Apr. 19.
Ear corn probe. L. Reuss. 2,463,205, Mar. 1.
Ear insert for earphones. J. Baum. 2,487,038, Nov. 8.
Earphone, Adjustable. R. E. Dullinsky. 2,486,267, Oct. 25.
Earplug. L. T. Reynolds. 2,465,606, Mar. 29.
Ear protector valve. J. Volkmann. 2,458,884, Jan. 11.
Earring. T. A. Kohler. 2,490,908, Dec. 13.
Earring or other ornament, Aromatic. B. Gilowitz. 2,471,949, May 31.
Ear trumpet, including adjustable sections. S. B. Bankson. 2,469,254, May 3.
Earth compactor. H. C. Pollitz. 2,466,822, Apr. 12.
Earth moving machine. G. E. Decker. 2,478,462, Aug. 9.
Earth-moving machine. E. Oklejas. 2,460,764, Feb. 1.
Easel. G. E. Nichols. 2,471,536, May 31.
Easel. N. A. Nilsson. 2,480,952, Sept. 6.
Easel and container support, Map-displaying. A. O. Miller, Jr. 2,466,462, Apr. 5.
Easel, Collapsible. S. L. Goldman. 2,480,918, Sept. 6.
Easel, Drawing board. S. A. and R. D. Vaule. 2,485,517, Oct. 18.
Easel, Photographic enlarging. R. P. Saunders. 2,458,648, Jan. 11.
Easel, Self-erecting. H. A. Cowles and M. E. Dowling. 2,467,190, Apr. 12.
Easel, Tree. H. L. Johnson. 2,476,244, July 12.
Easy chair. S. Shwarzowsky. 2,474,597, June 28.
Eccentric, Adjustable. O. Boutt. 2,477,587, Aug. 2.
Eccentric moving coil electrical meter. F. Baranowski, Jr. 2,465,053, Mar. 22.
Echo ranging and listening gear. H. M. Trent and T. F. Jones. 2,460,316, Feb. 1.
Echo ranging apparatus. H. T. Winchel. 2,491,020, Dec. 13.
Eddy-current coupling. M. P. Winther. 2,479,989, Aug. 23.
Edge lighting unit. J. C. Dixon. 2,461,532, Feb. 15.
Edge runner mill. K. Bruchsalter. 2,475,814, July 12.
Edge treating machine. J. Fossa and L. N. Isaacson. 2,466,802, Apr. 12.
Edger for scrapers. S. A. Courter. 2,483,624, Oct. 4.
Edger, Lawn. C. Esleck. 2,478,813, Aug. 9.
Edger, Lawn. F. M. Landrum. 2,464,695, Mar. 15.
Edging device for lawns. F. C. Smith. 2,476,461, July 19.
Edging device, Grass. G. T. La Bonte. 2,478,587, Aug. 9.
Edging, High-speed. S. E. Amos. 2,491,636, Dec. 20.
Edible product and making the same. H. Lataner. 2,487,931, Nov. 15.
Educational apparatus. M. J. Culp. 2,482,658, Sept. 20.
Educational appliance. C. C. Church. 2,486,260, Oct. 25.
Educational device. J. Bergman. 2,476,580, July 19.
Educational device. R. H. Dirckx. 2,491,164, Dec. 13.
Educational device. A. E. Goldfarb. 2,492,571, Dec. 27.
Educational device. M. Green. 2,471,271, May 24.
Educational device. J. V. Mariner. 2,477,134, July 26.
Educational device. M. W. Reffner. 2,467,051, Apr. 12.
Educational device. W. P. Russell. 2,461,926, Feb. 15.
Effecting chemical reactions, Process and apparatus for. W. H. Green, G. A. McBride, and G. A. Hertzling. 2,458,261, Jan. 4.
Effecting the electrochemical transformation of material in the presence of antenna electrodes, Method of and apparatus for. W. J. Cotton. 2,468,177, Apr. 26.
Egg beater. D. C. Hughes. 2,482,587, Sept. 20.
Egg beater. O. F. Kirkpatrick. 2,480,482, Aug. 30.
Egg beater. V. Sabatella. 2,481,352, Sept. 6.
Egg breaker. J. J. Kriz, Jr. 2,460,887, Feb. 8.
Egg candling machine of the power-driven type. J. W. Johnson and D. O. Park. 2,487,877, Nov. 15.
Egg cracker. E. Dolezal. 2,481,579, Sept. 13.
Egg crate flat. L. Schwartzberg. 2,490,326, Dec. 6.
Egg-grading machine. C. Page. 2,481,440, Sept. 6.
Egg holder. R. R. Griffin. 2,464,307, Mar. 15.
Egg improving process. W. M. Urbain and L. D. Mink. 2,458,449, Jan. 4.
Egg opener with an annular cutting flange and suction cup holder. V. E. Murray. 2,457,912, Jan. 4.
Egg products, Preparing dried. B. R. Harris. 2,476,412, July 19.
Egg-separating and positioning machine. C. Page. 2,488,230, Nov. 15.
Egg separator. H. Goebel. 2,463,168, Mar. 1.
Egg separator stand. R. W. S. Boden. 2,473,411, June 14.
Egg-shelling separator. P. M. Serbu. 2,465,176, Mar. 22.
Egg substitutes, Producing. T. Lindewald and S. Gruben. 2,468,677, Apr. 26.
Eggs by freezing, Preservation of. S. A. Kaloyereas. 2,471,626, May 31.
8-hydroxyquinoline, Making. N. Grier and C. Casalbore. 2,489,530, Nov. 29.
8,9-benzthiophanthrone. H. R. Lee and V. Weinmayr. 2,480,746, Aug. 30.
Ejecting means for molding apparatus. L. F. Keene. 2,492,483, Dec. 27.
Ejecting mechanism for carrying scrapers, Load. P. Zakel. 2,473,774, June 21.
Ejector and condensation pump. J. G. Baxter. 2,464,369, Mar. 15.
Ejector assembly. J. W. Gurley. 2,489,636, Nov. 29.
Ejector, Brake coil spring. B. A. Riccio. 2,490,160, Dec. 6.
Ejector for aircraft, Missile. G. A. Bronson. 2,466,980, Apr. 12.
Ejector for firearms. A. Weiss. 2,460,862, Feb. 8.
Ejector for firearms, Cartridge. C. H. Benson. 2,484,444, Oct. 11.
Ejector for guns, Finger-tip safety. J. T. Hansen. 2,468,196, Apr. 26.
Ejector for reciprocating bender with pivoted sidearms. B. T. Tal. 2,477,910, Aug. 2.
Ejector mechanism for molding machines. J. D. Guelph. 2,485,283, Oct. 18.
Ejector mechanism for retorts. H. Richter. 2,470,266, May 17.
Ejector pump. M. B. MacNellie and R. W. Frank. 2,484,105, Oct. 11.
Ejector type socket wrench. F. Holben. 2,470,399, May 17.
Ejector type welding electrode holder. E. I. Larsen. 2,460,889, Feb. 8.

- Elastic and elastomeric products, Synthetic. M. M. Sprung. 2,484,595, Oct. 11.
- Elastic coil structures, Reversing. R. D. Collins and R. J. Arnold. 2,478,861, Aug. 9.
- Elastic fabric. A. Silvain. 2,484,125, Oct. 11.
- Elastic polychloroprene threads, bands, etc, Preparation of. R. H. Walsh. 2,482,889, Sept. 27.
- Elastic proving bar. C. G. Lutts. 2,492,164, Dec. 27.
- Elastomer compositions, Plasticized. P. F. Tryon. 2,463,829, Mar. 8.
- Elastomer, Preparing an. I. B. Johns. 2,458,001, Jan. 4.
- Elbow for transmission lines, Universal. G. H. Steuer. 2,480,203, Aug. 30.
- Electric air heater. F. W. Thompson. 2,491,399, Dec. 13.
- Electric air heater. J. S. Wright. 2,477,778, Aug. 2.
- Electric air heater. L. Yejeski. 2,482,050, Sept. 13.
- Electric apparatus for separating oils from mixtures. C. K. Morse. 2,478,934, Aug. 16.
- Electric automatic soldering iron. T. A. Smoke. 2,466,056, Apr. 5.
- Electric blasting cap. C. R. Johnson. 2,477,458, July 26.
- Electric blasting cap. J. B. Morton. 2,465,467, Mar. 29.
- Electric boiler. E. Schwartz. 2,458,103, Jan. 4.
- Electric cable. B. H. Maddock. 2,468,091, Apr. 26.
- Electric cable. W. T. Peirce. 2,462,770, Feb. 22.
- Electric cable connector. A. Anderson. 2,480,895, Sept. 6.
- Electric cam snap switch. A. C. Gaynor. 2,470,613, May 17.
- Electric cell of the immersion type. W. K. Kearsley, A. F. Winslow, and H. A. Liebhafsky. 2,472,376, June 7.
- Electric circular loom. Y. Latieule, L. Cloche, and H. Bricout. 2,487,148, Nov. 8.
- Electric clothes drier. A. J. Folli. 2,461,318, Feb. 8.
- Electric communication cable. H. W. Silcock. 2,468,124, Apr. 26.
- Electric conduit connector. S. Langley and A. Warring. 2,458,276, Jan. 4.
- Electric connector. M. D. Bergan. 2,480,280, Aug. 30.
- Electric connector. W. H. Cook. 2,482,965, Sept. 27.
- Electric connector. E. E. Norris. 2,484,525, Oct. 11.
- Electric contact. F. Lager. 2,480,142, Aug. 30.
- Electric contact device. E. F. Hansen. 2,461,980, Feb. 15.
- Electric contact formed of a ruthenium composition. F. R. Hensel, J. W. Wiggs, and V. E. Heil. 2,470,034, May 10.
- Electric control circuit. G. H. Pohm and H. M. Hugel. 2,489,814, Nov. 29.
- Electric control circuit. W. Richter. 2,489,155, Nov. 22.
- Electric control device. J. F. Schoepel. 2,490,655, Dec. 6.
- Electric cord reel. N. A. Gray. 2,460,082, Jan. 25.
- Electric current generator. G. H. Fritzinger. 2,476,719, July 19.
- Electric current meter. J. Buonincontri. 2,478,742, Aug. 9.
- Electric discharge apparatus, Manufacture of mercury-containing, gas-filled. R. Penon. 2,491,874, Dec. 20.
- Electric discharge device. W. H. Teare. 2,468,576, Apr. 26.
- Electric discharge tube. G. Diemer. 2,476,961, July 26.
- Electric discharge tube. T. Hagenberg. 2,488,772, Nov. 22.
- Electric discharge tube. H. Lems. 2,465,732, Mar. 29.
- Electric discharge tube. M. J. O. Strutt and A. van der Ziel. 2,478,986, Aug. 16.
- Electric discharge tube. A. J. W. M. van Overbeek. 2,467,711, Apr. 19.
- Electric drier. E. S. Hewitt. 2,479,571, Aug. 23.
- Electric drink mixer. L. Myers. 2,477,764, Aug. 2.
- Electric fan and electric heater assembly, Combined. J. T. Rausch and G. Towne. 2,474,594, June 28.
- Electric filter. C. E. G. Bailey. 2,481,562, Sept. 13.
- Electric filter. J. E. Minter. 2d. 2,491,681, Dec. 20.
- Electric fishing reel. D. A. Luton and K. M. Johnson. 2,470,507, May 17.
- Electric fluid heater. G. M. Chambers. 2,463,853, Mar. 8.
- Electric fluid heater. L. P. Hynes. 2,487,710, Nov. 8.
- Electric fluid heater. H. C. Inman. 2,462,746, Feb. 28.
- Electric fluid pressure gauge. E. Wenk, Jr., and R. S. Thatcher. 2,477,026, July 26.
- Electric food mixer. L. Ziliotto. 2,488,364, Nov. 15.
- Electric fuel pump. G. R. Ericson. 2,468,187, Apr. 26.
- Electric furnace. R. Lepsoe. 2,457,770, Nov. 8.
- Electric furnace. F. F. Poland. 2,472,612, June 7.
- Electric gaseous discharge lamp. C. Herzog. 2,477,372, July 26.
- Electric generator. R. C. Harris. 2,471,741, May 31.
- Electric glow discharge lamp. G. E. Inman. 2,479,164, Aug. 16.
- Electric hair drier. M. B. Amerkan. 2,488,793, Nov. 22.
- Electric hammer container. I. W. Carson. 2,465,845, Mar. 29.
- Electric heater. A. F. and F. J. Copersito. 2,465,850, Mar. 29.
- Electric heater. R. L. Fitch. 2,475,180, July 5.
- Electric heater. B. J. Graycarek. 2,482,268, Sept. 20.
- Electric heater. G. F. McIntosh. 2,486,309, Oct. 25.
- Electric heater. N. Morris and R. L. Fearn. 2,479,587, Aug. 23.
- Electric heater. W. R. Tuttle. 2,467,348, Apr. 12.
- Electric heater. O. G. Vogel. 2,469,800, May 10.
- Electric heater. O. G. Vogel. 2,490,934, Dec. 13.
- Electric heater. O. G. Vogel and L. Ziffrin. 2,469,801, May 10.
- Electric heaters, Making. S. A. Oakley and R. T. Staudt. 2,483,839, Oct. 4.
- Electric heating. S. J. Temple. 2,472,178, June 7.
- Electric heating. A. P. Wiegand. 2,462,016, Feb. 15.
- Electric high-pressure discharge tube. W. Elenbaas. 2,488,716, Nov. 22.
- Electric house furnace. W. H. Worden. 2,459,986, Jan. 25.
- Electric immersion heater. A. P. Charbonneau. 2,471,609, May 31.
- Electric immersion heater. J. Quinn. 2,475,403, July 5.
- Electric impulse generator. R. H. Lee. 2,491,382, Dec. 13.
- Electric insect and rodent trap. L. M. McFadden. 2,471,640, May 31.
- Electric internal-combustion engine head bolt heater. A. L. Freeman. 2,487,326, Nov. 8.
- Electric iron. I. E. Aske. 2,490,770, Dec. 13.
- Electric iron. F. Busch and A. Wild. 2,462,942, Mar. 1.
- Electric iron. W. H. McLelland and E. J. Ajax. 2,461,560, Feb. 15.
- Electric iron. E. Witzel. 2,486,352, Oct. 25.
- Electric ironing board and heater, Combined. L. F. Gilbreath. 2,486,642, Nov. 1.
- Electric key lock. J. A. Chaulk and J. Dautel. 2,475,220, July 5.
- Electric knife switch. J. E. Digman and C. S. Davis. 2,481,829, Sept. 13.
- Electric lamp. A. H. Burchard. 2,485,429, Oct. 18.
- Electric lamp. E. Dore. 2,485,530, Oct. 18.
- Electric light-flash-producing system. H. E. Edgerton. 2,478,908, Aug. 16.
- Electric light receptacle. S. P. Bower and F. P. Warrick. 2,490,576, Dec. 6.
- Electric lighted key chain. T. J. Cunningham. 2,485,483, Oct. 18.
- Electric-lighting switch. J. I. Reid. 2,476,768, July 19.
- Electric machine, Commutator. J. F. G. Petit. 2,480,305, Aug. 30.
- Electric means for indicating the altitude and position of a craft when landing on a runway. R. J. Herbold. 2,489,222, Nov. 22.
- Electric melting furnace. C. R. Stevens. 2,485,851, Oct. 25.
- Electric motor. S. Aronoff. 2,479,455, Aug. 16.
- Electric motor. W. E. Bledsoe, Jr. 2,473,049, June 14.
- Electric motor. G. H. Brown. 2,475,560, July 5.
- Electric motor. J. D. Cole. 2,460,063, Jan. 25.
- Electric motor. K. Conrad and J. W. Hackett. 2,469,104, May 3.
- Electric motor. L. W. Cornwall. 2,490,209, Dec. 6.
- Electric motor. A. M. Cristiano. 2,471,812, May 31.
- Electric motor. W. L. Hansen and I. N. Hurst. 2,465,224, Mar. 22.
- Electric motor. E. Hart. 2,460,418, Feb. 1.
- Electric motor. M. D. Huston. 2,484,166, Oct. 11.
- Electric motor. G. H. Koch. 2,467,754, Apr. 19.
- Electric motor. C. Pace. 2,466,267, Apr. 5.
- Electric motor. L. B. Segesman. 2,474,439, June 28.
- Electric motor. I. D. Wallach. 2,476,075, July 12.
- Electric motor bearing. L. D. Richardson. 2,470,264, May 17.
- Electric motor brake. J. E. Collins and A. J. Mastropole. 2,482,840, Sept. 27.
- Electric motor mounting. F. O. Luenberger. 2,473,105, June 14.
- Electric plug. M. W. Rosner. 2,476,510, July 19.
- Electric plug. I. G. Sellers. 2,476,227, July 12.
- Electric plug. P. L. Spencer and F. C. Grateck. 2,477,013, July 26.
- Electric pressure and deflection gauge. H. Reifel. 2,458,735, Jan. 11.
- Electric pressure indicator. R. C. Fuller. 2,474,662, June 28.
- Electric pressure indicator. S. G. Nevius. 2,470,714, May 17.
- Electric projection lamp. L. G. Leighton. 2,476,671, July 19.
- Electric pump. F. S. Jenkins. 2,465,688, Mar. 29.
- Electric pump. W. H. Payne. 2,473,726, June 21.
- Electric razor holder. M. Long. 2,471,825, May 31.
- Electric regulator. R. G. Ballard. 2,492,727, Dec. 27.
- Electric resistance and making. E. J. W. Verwey. 2,492,543, Dec. 27.
- Electric resistance element and heat-treatment. J. M. Lohr. 2,460,590, Feb. 1.
- Electric resistance furnace. F. F. Poland. 2,472,613, June 7.
- Electric resistance furnace. F. F. Poland. 2,491,579, Dec. 20.
- Electric resistance furnace. G. Turner. 2,482,445, Sept. 20.
- Electric resistance furnace. R. D. Van Nordstrand. 2,465,137, Mar. 22.
- Electric resistance seam welding bimetallic element. G. W. Crise. 2,481,087, Sept. 6.
- Electric resistance vacuum furnace. H. A. Rose and D. L. Hopper. 2,476,916, July 19.
- Electric resistive device. C. J. Ganci. 2,491,965, Dec. 20.
- Electric snap switch. A. M. MacFarland. 2,459,661, Jan. 18.
- Electric snap switch. A. M. MacFarland. 2,466,458-9, Apr. 5.
- Electric solder-feeding iron. J. De Rugeris. 2,491,165, Dec. 13.

- Electric soldering iron. A. R. Shay. 2,469,479, May 10.
 Electric space heater. G. C. Weingardt. 2,492,248, Dec. 27.
 Electric steam boiler. C. A. Steen. 2,463,244, Apr. 26.
 Electric steam iron. E. P. Schreyer. 2,475,572, July 5.
 Electric steaming stand. L. I. Osipow. 2,474,113, June 21.
 Electric strain gauge. A. L. Thurston and J. O. Irwin. 2,466,337, Apr. 5.
 Electric switch. E. H. Ayers and A. G. Elmendorf. 2,492,726, Dec. 27.
 Electric switch. N. R. Babajoff. 2,486,909, Nov. 1.
 Electric switch. R. Bain. 2,473,088, June 14.
 Electric switch. H. W. Batcheller. 2,466,072, Apr. 5.
 Electric switch. H. C. Bolley. 2,461,028, Feb. 8.
 Electric switch. K. Bollmann and H. Meier. 2,472,275, June 7.
 Electric switch. L. J. Bordonel. 2,478,564, Aug. 9.
 Electric switch. L. Bulgariini. 2,458,056, Jan. 4.
 Electric switch. J. R. Caldwell and T. E. Curtis. 2,466,374, Apr. 5.
 Electric switch. J. R. Caldwell, O. Richardson, and T. E. Curtis. 2,489,750, Nov. 29.
 Electric switch. W. J. Cuthbertson and L. S. Schell, Jr. 2,461,965, Feb. 15.
 Electric switch. W. J. Cuthbertson and L. S. Schell, Jr. 2,466,388, Apr. 5.
 Electric switch. E. W. Landmeier. 2,492,101, Dec. 20.
 Electric switch. A. Palme. 2,492,762, Dec. 27.
 Electric system. H. E. Edgerton. 2,478,901, Aug. 16.
 Electric system. H. E. Edgerton. 2,478,905-6, Aug. 16.
 Electric switch. G. L. Falk. 2,466,402, Apr. 5.
 Electric switch. J. A. Favre. 2,471,815, May 31.
 Electric switch. J. A. Favre. 2,479,331, Aug. 16.
 Electric switch. J. Fowler. 2,473,992, June 21.
 Electric switch. J. F. Frese. 2,460,818-19, Feb. 8.
 Electric switch. J. S. Fron. 2,476,035, July 12.
 Electric switch. H. J. Hammerly. 2,480,410, Aug. 30.
 Electric switch. W. G. Harlow. 2,487,545, Nov. 8.
 Electric switch. C. D. Hayward. 2,472,588, June 7.
 Electric switch. D. F. Illian. 2,483,831, Oct. 4.
 Electric switch. M. F. Koenig. 2,488,670, Nov. 22.
 Electric switch. M. J. Larsen, N. B. Erickson and W. J. Anderson. 2,487,977, Nov. 15.
 Electric switch. H. F. Malone. 2,463,891, Mar. 8.
 Electric switch. G. J. Meuer. 2,488,778, Nov. 22.
 Electric switch. J. L. Mohar. 2,471,040, May 24.
 Electric switch. A. Palme and O. P. McCarty. 2,469,203, May 3.
 Electric switch. M. E. Porter. 2,474,189, June 21.
 Electric switch. A. C. Prescott. 2,480,161, Aug. 30.
 Electric switch. A. Rapp. 2,462,777, Feb. 22.
 Electric switch. A. Rapp. 2,486,677, Nov. 1.
 Electric switch. A. L. Riche and B. J. Rush. 2,487,374, Nov. 8.
 Electric switch. C. F. Robbins. 2,460,034, Jan. 25.
 Electric switch. R. N. Rowe. 2,465,933, Mar. 29.
 Electric switch. R. E. Smith. 2,473,263, June 14.
 Electric switch. H. L. Van Valkenburg. 2,463,333, Mar. 1.
 Electric switch. F. E. Warnock. 2,480,622, Aug. 30.
 Electric system embodying cold-cathode gaseous discharge device. K. J. Germeshausen. 2,492,142, Dec. 27.
 Electric system, including a vapor-electric discharge device. H. E. Edgerton. 2,478,902, Aug. 16.
 Electric toy motor. R. Moos. 2,488,223, Nov. 15.
 Electric traction motor. W. J. Bauroth. 2,473,130, June 14.
 Electric trouble light. C. T. De Grace. 2,491,552, Dec. 20.
 Electric valve excitation and control circuit. C. C. Herskind and M. J. Mulhern. 2,484,565, Oct. 11.
 Electric vehicle direction indicator. W. P. Marinos. 2,467,841, Apr. 19.
 Electric vibration motor. F. Adolph. 2,480,825, Sept. 6.
 Electric vibratory converter circuit. T. T. Short. 2,476,068, July 12.
 Electric wall receptacle. C. F. Bohannon. 2,492,616, Dec. 27.
 Electric water depth gauge. C. Mark, Jr. 2,480,490, Aug. 30.
 Electric water heater. C. F. T. Hooper. 2,491,266, Dec. 13.
 Electric water heater. P. C. Jones. 2,474,361, June 28.
 Electric water heater. C. M. Osterheld. 2,478,499, Aug. 9.
 Electric water heater. G. C. Wicks. 2,471,133, May 24.
 Electric welding, Method and apparatus for. J. W. Dawson. 2,459,795, Jan. 25.
 Electric welding, Method of and apparatus for. C. F. Leathers and L. M. Benkert. 2,464,981, Mar. 22.
 Electrical apparatus. S. Breen. 2,466,634, Apr. 5.
 Electrical apparatus. W. H. Bussey. 2,470,975, May 24.
 Electrical apparatus. G. G. Edlen. 2,479,222, Aug. 16.
 Electrical apparatus. G. R. Gamertsfelder. 2,480,187, Aug. 30.
 Electrical apparatus. J. Halpern. 2,473,426, June 14.
 Electrical apparatus. L. T. Holden. 2,470,618, May 17.
 Electrical apparatus. R. Lee. 2,479,072, Aug. 16.
 Electrical apparatus. J. V. McNulty. 2,472,671, June 7.
 Electrical apparatus. C. G. Montgomery. 2,480,194, Aug. 30.
 Electrical apparatus. L. Rosen. 2,477,008, July 26.
 Electrical apparatus. J. H. Runbaken and W. Torrance. 2,478,983, Aug. 16.
 Electrical apparatus. J. G. Sola. 2,489,245, Nov. 22.
 Electrical apparatus, Cooled. R. E. Herr and L. E. Anderson. 2,492,747, Dec. 27.
 Electrical apparatus for measuring metal thicknesses. G. T. Brady. 2,476,943, July 19.
 Electrical apparatus, Manufacture of. L. Egerton. 2,463,756, Mar. 8.
 Electrical apparatus, Protected. G. Camilli, V. M. Montsinger, and J. J. Chapman. 2,491,798, Dec. 20.
 Electrical baking mold. M. E. Wood. 2,473,402, June 14.
 Electrical circuit. W. R. Rambo. 2,485,919, Oct. 25.
 Electrical circuit. F. C. Todd. 2,461,131, Feb. 8.
 Electrical condenser. C. L. Richards. 2,460,534, Feb. 1.
 Electrical condenser. W. M. Roberts. 2,460,033, Jan. 25.
 Electrical conductors, Producing improved. P. Robinson and S. O. Dorst. 2,478,322, Aug. 9.
 Electrical connection. F. F. Gunther. 2,466,418, Apr. 5.
 Electrical connection plug. N. E. Colla, Jr. 2,490,580, Dec. 6.
 Electrical connector. C. A. Badeau. 2,484,144, Oct. 11.
 Electrical connector. A. J. Barocas. 2,488,113, Nov. 15.
 Electrical connector. W. F. Broske. 2,478,082, Aug. 2.
 Electrical connector. H. H. Burt. 2,466,370, Apr. 5.
 Electrical connector. G. W. Clark. 2,462,036, Feb. 15.
 Electrical connector. F. N. Ervin. 2,486,013, Oct. 25.
 Electrical connector. H. E. Goldstein and O. F. Voigt. 2,474,310, June 28.
 Electrical connector. D. C. Hubbard. 2,471,957, May 31.
 Electrical connector. W. Huppert. 2,488,976, Nov. 22.
 Electrical connector. F. A. Korn. 2,465,540, Mar. 29.
 Electrical connector. W. J. Korth. 2,459,032, Jan. 11.
 Electrical connector. M. E. Mezek. 2,469,397, May 10.
 Electrical connector. E. R. Olson. 2,464,649, Mar. 15.
 Electrical connector. J. Orlando. 2,486,610, Nov. 1.
 Electrical connector. J. Ostrak. 2,490,317, Dec. 6.
 Electrical connector. N. A. Tornblom. 2,490,286, Dec. 6.
 Electrical connector. A. M. and E. F. Schmidt. 2,467,996, Apr. 19.
 Electrical connector. W. H. Thrasher. 2,470,196, May 17.
 Electrical connector. W. S. Watts. 2,478,143, Aug. 2.
 Electrical contact. P. R. Enzler. 2,490,020, Dec. 6.
 Electrical contact device. C. H. Brooks. 2,491,603, Dec. 20.
 Electrical contact elements, Making. R. L. Adams and L. Zickrick. 2,465,051, Mar. 22.
 Electrical control. D. R. Putt. 2,484,049, Oct. 11.
 Electrical control. E. M. Sorensen. 2,462,913, Mar. 1.
 Electrical control circuit. P. Glass. 2,458,937, Jan. 11.
 Electrical control circuit. P. Glass. 2,467,974, Apr. 19.
 Electrical control system, Potential matching. G. Deakin. 2,492,135, Dec. 27.
 Electrical coupling switch. E. Mestitz. 2,477,387, July 26.
 Electrical delay device. A. H. Taylor. 2,490,847, Dec. 13.
 Electrical device, Flat tube. E. Lemmers. 2,482,421, Sept. 20.
 Electrical device for effecting the multiplication or division of independent quantities. M. El Shishini and M. A. H. El-Said. 2,486,068, Oct. 25.
 Electrical discharge tube. E. T. Casellini and H. B. Sloan. 2,492,619, Dec. 27.
 Electrical discharge tube. T. H. Rogers. 2,480,198, Aug. 30.
 Electrical distribution jack. E. W. Harris. 2,474,356, June 28.
 Electrical energy regulator. G. L. Woolnough. 2,487,204, Nov. 8.
 Electrical equipment. W. K. Singh. 2,491,221, Dec. 13.
 Electrical fluid heater. H. P. Chapman. 2,471,260, May 24.
 Electrical heating element support. W. O. Schick. 2,490,602, Dec. 6.
 Electrical heating, Method and apparatus for. R. A. Rusca. 2,492,187, Dec. 27.
 Electrical insulating support. W. B. Volkmann. 2,464,908, Mar. 22.
 Electrical insulation. E. L. Schulman and J. S. Johnson. 2,479,417, Aug. 16.
 Electrical junction assembly box. H. R. Cloyd. 2,487,790, Nov. 15.
 Electrical machine. M. Liwischitz and A. W. Kimball. 2,484,840, Oct. 18.
 Electrical network circuits, Manufacturing. J. A. Sargrave. 2,474,988, July 5.
 Electrical networks, Method and device for studying. R. J. Robert. 2,488,740, Nov. 22.
 Electrical outlet box attaching tool. S. A. Moore. 2,470,512, May 17.
 Electrical pickup and bridge for guitars and other instruments, Combination. W. E. Harker. 2,486,647, Nov. 1.
 Electrical pressure gauge. A. Africano. 2,477,507, July 26.
 Electrical protective device. W. G. Tuller. 2,466,136, Apr. 5.
 Electrical protective system. L. Wilson. 2,478,147, Aug. 2.
 Electrical plug. T. Atherton and F. E. Ryder. 2,472,690, June 7.
 Electrical plug. R. L. Avery. 2,474,454, June 28.
 Electrical precipitation. H. A. Wintermute. 2,467,068, Apr. 12.
 Electrical pulse regulator. N. H. Milde. 2,462,883, Mar. 1.

- Electrical pulse time modulation circuit. D. D. Grieg, A. M. Levine, and S. Moskowitz. 2,490,801, Dec. 13.
- Electrical regulator. E. J. Jacobi. 2,463,389, Mar. 1.
- Electrical regulator. W. G. Neild. 2,468,228, Apr. 26.
- Electrical regulator. J. J. Root. 2,486,882, Nov. 1.
- Electrical resistance. H. H. Matthews. 2,491,193, Dec. 13.
- Electrical resistances, Insulated. J. Stockdale and D. E. Rison. 2,461,935, Feb. 15.
- Electrical resistances, Manufacture of. H. A. Peulet. 2,475,756, July 12.
- Electrical safety switch. W. H. Lindae. 2,492,490, Dec. 27.
- Electrical snap-on wire connector. S. E. Wright. 2,462,247, Feb. 22.
- Electrical space heater. K. G. Anderson. 2,477,473, July 26.
- Electrical switch. S. W. Bramley. 2,490,013, Dec. 6.
- Electrical switch. H. M. Haberman. 2,477,741, Aug. 2.
- Electrical switch. D. Morrison. 2,481,141, Sept. 6.
- Electrical switch. G. W. Rathert. 2,462,283, Feb. 22.
- Electrical switch. N. J. Rees. 2,462,285, Feb. 22.
- Electrical switch. C. Rein. 2,469,274, May 3.
- Electrical system. W. E. Bradley. 2,459,732, Jan. 18.
- Electrical system. J. W. Dawson and L. K. Marshall. 2,478,527, Aug. 9.
- Electrical system. H. Klemperer. 2,464,239, Mar. 15.
- Electrical system. P. W. Stutsman. 2,473,832, June 21.
- Electrical system. D. E. Sunstein. 2,461,667, Feb. 15.
- Electrical system. D. E. Sunstein. 2,463,004, Mar. 1.
- Electrical system. A. Tustin. 2,474,872, July 5.
- Electrical time switch. W. J. Aitken. 2,488,110, Nov. 15.
- Electrical units and mounting the same, Combination of. M. A. Wood. 2,466,192, Apr. 5.
- Electrical valve excitation circuit. C. C. Herskind and R. W. Kuenning. 2,465,097, Mar. 22.
- Electrical water heater. R. Stojánek. 2,476,927, July 19.
- Electrical wave producing circuit. L. Y. Lacy. 2,488,297, Nov. 15.
- Electrically actuated heater. H. P. Chapman. 2,471,259-60, May 24.
- Electrically actuated pump. J. W. Dickey, M. M. Henry, and T. K. Riggen. 2,458,770, Jan. 11.
- Electrically and power operated pitch changing mechanism. A. G. Forsyth. 2,474,144, June 21.
- Electrically conductive fabric. W. Watson. 2,473,183, June 14.
- Electrically energizable fabric. L. K. Schwartz. 2,458,801, Jan. 11.
- Electrically heated device. G. Van Daam. 2,467,349, Apr. 12.
- Electrically heated devices and electric resistance heating elements therefor, Manufacture of. A. E. Reimers. 2,468,409, Apr. 26.
- Electrically heated fabric. J. Daly. 2,462,847, Mar. 1.
- Electrically heated gliding tool. E. A. Ekstrom. 2,468,965, May 3.
- Electrically operated time lapse traffic signal. J. S. Elam. 2,490,585, Dec. 6.
- Electrified miniature music box. M. Makowski. 2,489,149, Nov. 22.
- Electrochemical potentials, Measurement of. F. G. Paulry. 2,483,299, Sept. 27.
- Electrochemical process for polishing tantalum. J. F. Gall and H. C. Miller. 2,466,095, Apr. 5.
- Electrochemical production of nitrogen oxide. W. J. Cotton. 2,485,479-81, Oct. 18.
- Electrochemically producing nitrogen oxide in the presence of tantalum electrodes. W. J. Cotton. 2,485,478, Oct. 18.
- Electrocutor, Insect. H. S. Brown and H. D. Dallmeyer. 2,465,574, Mar. 29.
- Electrode. R. Cortese. 2,473,413, June 14.
- Electrode. W. E. Good. 2,489,157, Nov. 22.
- Electrode. G. H. McIntyre and R. E. Skinner. 2,471,531, May 31.
- Electrode. M. F. Miller. 2,468,221, Apr. 26.
- Electrode and making same, Spark plug. C. J. Dusseau. 2,478,167, Aug. 2.
- Electrode arrangement for electron discharge devices. W. W. Marsh and P. Welch. 2,465,385, Mar. 29.
- Electrode assembly. G. V. Calabrese. 2,470,066, May 10.
- Electrode assembly. H. A. Wintermute. 2,478,800, Aug. 9.
- Electrode assembly for electron-discharge tubes. P. W. Stutsman. 2,461,578, Feb. 15.
- Electrode assembly for electron space discharge devices. H. D. Suesholtz and F. W. Prognor, Jr. 2,464,272, Mar. 15.
- Electrode clamp. W. E. Moore. 2,477,077, July 26.
- Electrode, Collet type. J. H. Coulter and A. F. Wood. 2,470,603, May 17.
- Electrode connecting pin. V. C. Hamister. 2,482,176, Sept. 20.
- Electrode construction. V. J. Francis. 2,460,738-9, Feb. 1.
- Electrode, Electric arc cutting. R. H. F. Boot. 2,462,463, Feb. 22.
- Electrode, Floating. S. W. Warner. 2,474,340, June 28.
- Electrode, Focusing. W. G. Taylor. 2,468,136, Apr. 26.
- Electrode for dry electrical testing of insulated wire, Sparking. R. B. Everson and W. E. Ward. 2,471,560, May 31.
- Electrode for electric discharge devices. H. A. Klasens and T. Holmes. 2,488,727, Nov. 22.
- Electrode for electric discharge tubes, Electron-emitting. G. J. Lambert and A. A. Padmos. 2,488,731, Nov. 22.
- Electrode for electrolytic cells, Porous. R. U. Clark. 2,461,410, Feb. 8.
- Electrode for electron discharge devices. H. L. Ratchford. 2,472,760, June 7.
- Electrode for electron discharge devices and making the same. R. W. Sears. 2,491,284, Dec. 13.
- Electrode for hard facing, Welding. R. Castro and A. Lebet. 2,471,931, May 31.
- Electrode for high-frequency heating of insulation preforms. L. D. Drugmand. 2,472,370, June 7.
- Electrode for welding, Flexible. K. K. Brueckner. 2,471,478, May 31.
- Electrode holder. R. F. Morrissey. 2,471,340, May 24.
- Electrode holder. G. F. Nilsson. 2,458,723, Jan. 11.
- Electrode holding device. R. E. Ballentine and F. V. Schilling. 2,491,946, Dec. 20.
- Electrode maintenance device. L. R. O'Neill. 2,467,091, Apr. 12.
- Electrode securing means. W. L. Krahb. 2,461,743, Feb. 15.
- Electrode structure. E. B. Noel. 2,459,579, Jan. 18.
- Electrode structure and device containing the same. Z. J. Atlee and W. W. Lange. 2,477,110, July 26.
- Electrode structure for electrical space discharge tubes. R. Wood. 2,459,861, Jan. 25.
- Electrode structure for gaseous discharge devices. P. W. Stutsman. 2,491,425, Dec. 13.
- Electrode structure for high-frequency sealing of thin thermoplastic sheet material. T. H. Story. 2,477,214, July 26.
- Electrode terminal connections for the electrolysis of sea-port and related waters. G. C. Cox. 2,481,827, Sept. 13.
- Electrode tip construction for welding apparatus. M. Watter. 2,468,647, Apr. 26.
- Electrode unit assembly. F. H. Best and J. R. Pierce. 2,460,484, Feb. 1.
- Electrode, Welding. A. A. Bernard. 2,490,023, Dec. 6.
- Electrode, Welding. F. E. Garriott. 2,463,096, Mar. 1.
- Electrodeposition composition and process. A. G. Gray. W. F. Gresham, and D. J. Loder. 2,461,507, Feb. 15.
- Electrodeposition lead on copper from a nitrate bath. T. S. Chambers and O. C. Slotterbeck. 2,485,258, Oct. 18.
- Electrodeposition apparatus. J. M. Booe. 2,484,068, Oct. 11.
- Electrodeposition of copper. F. R. Keller. 2,462,870, Mar. 1.
- Electrodeposition of copper. A. M. Max. 2,475,974, July 12.
- Electrodeposition of copper. W. M. Phillips and F. L. Clifton. 2,489,538, Nov. 29.
- Electrodeposition of gold on tantalum. R. D. Van Gilder. 2,492,204, Dec. 27.
- Electrodeposition of iron. A. E. Matson and H. V. Trask. 2,480,156, Aug. 30.
- Electrodeposition of lead-antimony-tin alloys. R. A. Schaefer and J. B. Mohler. 2,461,350, Feb. 8.
- Electrodeposition of nickel. H. Brown. 2,467,580, Apr. 19.
- Electrodeposition of nickel. R. A. Hoffman. 2,469,727, May 10.
- Electrodeposition of tin or lead-tin alloys. F. L. Clifton. 2,489,523, Nov. 29.
- Electrodes for electric arcs, Producing. M. V. Oswald. 2,472,171, June 7.
- Electrodes in electric discharge tubes, Mounting of. A. L. Chilcot and S. Jackson. 2,481,906, Sept. 13.
- Electrodynamical machine. C. H. Hulbert. 2,475,837, July 12.
- Electroexpansive device. A. E. Harrison and E. T. Jaynes. 2,466,703, Apr. 12.
- Electrohydraulic brake. C. Hollerith. 2,482,732, Sept. 20.
- Electrolysis of primary nitroalkanes. C. T. Bahner. 2,485,803, Oct. 25.
- Electrolyte with phosphoric acid, Battery. H. E. Lawson. 2,472,379, June 7.
- Electrolytes in physiologically active materials, Removal or replacement of. F. K. Daniel. 2,461,505, Feb. 15.
- Electrolytic apparatus. J. C. Schumacher. 2,475,157, July 5.
- Electrolytic apparatus for producing magnesium. R. D. Blue, R. M. Hunter, and M. P. Neipert. 2,468,022, Apr. 26.
- Electrolytic apparatus for treatment of moving strips. C. G. Jones. 2,477,808, Aug. 2.
- Electrolytic dendritic powdered iron, Making. H. M. Casey. 2,481,079, Sept. 6.
- Electrolytic iron, Making. R. D. Pike and J. Schoder. 2,464,889, Mar. 22.
- Electrolytic method of etching metals with stencils. P. I. Nagle. 2,463,711, Mar. 8.
- Electrolytic polishing of stainless steel. A. L. Feild. Re. 23,068, Jan. 4.
- Electrolytic polishing of stainless steel. A. L. Feild. Re. 23,069, Jan. 4.
- Electrolytic process for the production of cyclohexadiene dicarboxylic acids. P. C. Condit. 2,477,579, Aug. 2.
- Electrolytic process of preparing cyclohexadiene dicarboxylic acids. P. C. Condit. 2,477,580, Aug. 2.

- Electrolytic production of aminoalcohols. G. W. McMillan. 2,485,982, Oct. 25.
- Electrolytic recording. H. G. Greig. 2,459,521, Jan. 18.
- Electrolytic recording. H. G. Greig. 2,461,892, Feb. 15.
- Electrolytic recovery of nickel. L. S. Renzoni. 2,480,771, Aug. 30.
- Electromagnet. F. J. M. Theunissen. 2,472,553, June 7.
- Electromagnet, Polarized. W. B. M. Clark. 2,473,939, June 21.
- Electromagnet, Two-armature selectively retarded. C. J. Ridgley. 2,486,613, Nov. 1.
- Electromagnet with armatures, Antistick. O. W. Hopkinson, Jr. 2,491,895, Dec. 20.
- Electromagnet with plunger. C. T. Evans. 2,462,482, Feb. 22.
- Electromagnetic apparatus for measuring projectile velocity during penetration. R. A. Beth. 2,479,808, Aug. 23.
- Electromagnetic brake. E. E. Hollander. 2,467,891, Apr. 19.
- Electromagnetic clutch and brake, Axially engaging. W. P. Lear. 2,481,028, Sept. 6.
- Electromagnetic deflection generator. G. C. Sziklai. 2,478,606, Aug. 9.
- Electromagnetic device. A. G. Thomas. 2,490,009, Nov. 29.
- Electromagnetic induction apparatus and forming same. G. G. Somerville. 2,467,867, Apr. 19.
- Electromagnetic induction apparatus and forming same. G. G. Somerville. 2,477,350, July 26.
- Electromagnetic motor. L. B. Harrington. 2,488,723, Nov. 22.
- Electromagnetic pressure gauge. J. F. Emerson. 2,460,076, Jan. 25.
- Electromagnetic pump. J. W. Dickey and M. M. Henry. 2,474,349, June 28.
- Electromagnetic pump. J. W. Dickey and N. S. Trout, Jr. 2,472,067, June 7.
- Electromagnetic pump. D. L. Miller. 2,461,501, Feb. 8.
- Electromagnetic reciprocating motor. E. Diebold. 2,471,729, May 31.
- Electromagnetic relay, Periodic. H. Wolfson and S. C. Shepard. 2,482,820, Sept. 27.
- Electromagnetic strain gauge. C. M. Hathaway. 2,484,164, Oct. 11.
- Electromagnetic straight-line motor. F. C. Fisher. 2,483,895, Oct. 4.
- Electromagnetic switch. C. W. Kuhn. 2,474,742, June 28.
- Electromagnetic system. A. S. Fitz Gerald. 2,459,069, Jan. 11.
- Electromagnetic transfer mechanism. M. C. Yeasting. 2,490,725, Dec. 6.
- Electromagnetic trip device, Reverse current. C. D. Hayward. 2,484,564, Oct. 11.
- Electromagnetic wave direction indicator. R. Hardy. 2,468,063, Apr. 26.
- Electromagnetically operated mechanism. J. A. Baines. 2,480,212, Aug. 30.
- Electromagnetically operated pretensioned contact spring. F. X. Rees. 2,490,280, Dec. 6.
- Electromagnetically operated switch. J. H. Lowndes. 2,475,331, July 5.
- Electromagnetically operated switch. C. A. Packard. 2,488,928, Nov. 22.
- Electromechanical control system. C. E. G. Bailey. 2,490,190, Dec. 6.
- Electromechanical device. H. R. Lubcke. 2,463,785, Mar. 8.
- Electromechanical device for governing predetermined changes of positions. R. Gourdon. 2,469,035, May 3.
- Electromechanical device with dielectric operating element, Bender type. H. Jaffe. 2,484,950, Oct. 18.
- Electron beam control apparatus. E. D. Goodale and O. H. Schade. 2,490,731, Dec. 6.
- Electron beam tube. R. O. McIntosh and G. E. Sheppard. 2,491,995, Dec. 20.
- Electron counter. T. Colson. 2,470,920, May 24.
- Electron discharge apparatus. P. L. Hartman. 2,469,964, May 10.
- Electron discharge apparatus. R. W. Sears. 2,458,652, Jan. 11.
- Electron discharge apparatus, High-frequency. E. D. McArthur. 2,485,400, Oct. 18.
- Electron discharge apparatus of the velocity modulation type. J. H. Fremlin and C. H. Foulkes. 2,476,971, July 26.
- Electron discharge device. B. M. Bowle. 2,492,618, Dec. 27.
- Electron discharge device. J. J. Glauber. 2,471,424, May 31.
- Electron discharge device. G. L. Rishell. 2,487,592, Nov. 8.
- Electron discharge device. W. E. Shoupp. 2,467,538, Apr. 19.
- Electron discharge device. P. L. Spencer. 2,459,195, Jan. 18.
- Electron discharge device. N. Wax. 2,466,922, Apr. 12.
- Electron discharge device and its circuits. L. W. Parker. 2,477,844, Aug. 2.
- Electron discharge device, Cavity resonator. E. J. Gorn. 2,474,938, July 5.
- Electron discharge device, Dual type. J. J. Glauber. 2,477,594, Aug. 2.
- Electron discharge device employing cavity resonator circuits. L. S. Nergaard. 2,472,721, June 7.
- Electron discharge device employing cavity resonators. R. R. Law. 2,471,037, May 24.
- Electron discharge device having elongated electrodes, Ultra high frequency. R. R. Law and L. Pensak. 2,481,026, Sept. 6.
- Electron discharge device of the cavity resonator type. E. N. Kather. 2,478,534, Aug. 9.
- Electron discharge device of the magnetron type. P. L. Spencer. 2,473,399, June 14.
- Electron discharge device, Ultra high frequency. J. J. Glauber. 2,465,370, Mar. 29.
- Electron-discharge device, Velocity-modulated. B. C. Gardner. 2,464,801, Mar. 22.
- Electron-discharge device, Velocity-modulated. B. C. Gardner. 2,488,906, Nov. 22.
- Electron discharge devices, Getter structure for. A. M. Skellett. 2,474,335, June 28.
- Electron discharge tube. H. K. Ishler. 2,492,643, Dec. 27.
- Electron discharge tube. W. G. Taylor. 2,462,921, Mar. 1.
- Electron lens system. O. E. H. Klemperer. 2,490,308, Dec. 6.
- Electron-ray tube. J. de Gier. 2,464,076, Mar. 8.
- Electron transit time tube. J. R. Pierce. 2,469,843, May 10.
- Electron tube. P. G. Chevigny. 2,474,223, June 28.
- Electron tube. D. Drieschman, and R. Chamberlin. 2,472,942, June 14.
- Electron tube. D. F. Drieschman and R. Leonard. 2,458,693, Jan. 11.
- Electron tube. W. W. Eitel and J. A. McCullough. 2,469,331, May 3.
- Electron tube. J. H. O. Harries. 2,468,440, Apr. 26.
- Electron tube. W. W. McGoffin. 2,490,145, Dec. 6.
- Electron tube. W. Soller. 2,475,644, July 12.
- Electron tube. W. Soller. 2,477,667, Aug. 2.
- Electron tube mount stabilizer support. H. K. Ishler. 2,478,969, Aug. 16.
- Electronic apparatus. L. C. Smith. 2,471,246, May 24.
- Electronic apparatus for determining moisture content in materials. M. L. McBrayer. 2,469,736, May 10.
- Electronic apparatus for heating dielectric materials, High-frequency. J. E. Joy. 2,468,263, Apr. 26.
- Electronic circuit. J. C. Frommer. 2,477,976, Aug. 2.
- Electronic circuit. S. C. Hurley, Jr. 2,460,455-6, Feb. 1.
- Electronic control. E. K. Wagner. 2,479,881, Aug. 23.
- Electronic control device. S. D. Eilenberger. 2,488,811, Nov. 22.
- Electronic counter. W. A. Gieseke. 2,470,926, May 24.
- Electronic counter circuit. A. E. Canfora. 2,469,031, May 3.
- Electronic counter duration indicator. O. T. Francis. 2,478,911, Aug. 16.
- Electronic cycle counting circuit. J. C. Tellier. 2,490,243, Dec. 6.
- Electronic detection system. M. J. Poole. 2,491,904, Dec. 20.
- Electronic device. A. G. Thomas. 2,457,950, Jan. 4.
- Electronic device and circuit arrangement therefor. A. M. Skellett. 2,474,960, July 5.
- Electronic device, High-frequency. L. C. Peterson. 2,484,643, Oct. 11.
- Electronic device, Time-delay. C. Thumin. 2,468,418, Apr. 26.
- Electronic gauge. W. H. Fuss. 2,481,993, Sept. 13.
- Electronic gauge. J. J. Neff. 2,465,032, Mar. 22.
- Electronic impulse generator. B. M. Hadfield. 2,486,154, Oct. 25.
- Electronic impulse speed regulator. G. Jacobowitz. 2,492,045, Dec. 20.
- Electronic means providing tremolo for electrically operated musical instruments. P. H. Rowe. 2,485,538, Oct. 18.
- Electronic noise generator. E. B. Newman. 2,483,226, Sept. 27.
- Electronic noise generator. S. S. Stevens. 2,490,487, Dec. 6.
- Electronic pulse shaping circuit. J. L. Rector. 2,462,897, Mar. 1.
- Electronic reversing switch. G. S. Burroughs. 2,485,560, Oct. 25.
- Electronic saw-tooth voltage generator. M. Cawein. 2,467,465, Apr. 19.
- Electronic signal generator. D. E. Norgaard. 2,471,836, May 31.
- Electronic signal shaping circuit. C. H. Smith, Jr., and M. L. Kuder. 2,482,803, Sept. 27.
- Electronic square wave signal generator. L. H. Johnston. 2,473,432, June 14.
- Electronic switch. T. H. Clark. 2,474,224, June 28.
- Electronic switch. T. H. Clark. 2,483,400, Oct. 4.
- Electronic switch. P. B. Sebring. 2,480,385, Aug. 30.
- Electronic switch. A. G. Thomas. 2,370,536, May 17.
- Electronic system for energizing direct-current motors from an alternating-current source. J. E. Raymond. 2,492,007, Dec. 20.
- Electronic time delay circuit. E. D. Schneider and P. Chin. 2,463,318, Mar. 1.
- Electronic transducer. G. M. Rose, Jr. 2,491,391, Dec. 13.
- Electronic trigger pulse generator. N. Bishop. 2,489,852, Nov. 29.
- Electronic tube. A. R. Rangabe. 2,480,608, Aug. 30.
- Electronic tube. J. R. Steinhoff. 2,484,194, Oct. 11.

- Electronic tube. A. G. Thomas. 2,458,223, Jan. 4.
Electronic valve. D. A. Deisinger and R. A. Kirkman. 2,459,152, Jan. 18.
Electronographic printing, Process and apparatus for. W. C. Huebner. 2,483,462, Oct. 4.
Electrooptical light valve of ammonium dihydrogen phosphate crystal. W. P. Mason. 2,467,325, Apr. 12.
Electrooptical system. W. H. T. Holden. 2,481,667, Sept. 13.
Electroplating a sintered ferrous article. R. B. Tinker. 2,491,839, Dec. 20.
Electroplating apparatus. A. E. Thurber. 2,487,399, Nov. 8.
Electroplating apparatus, Metal strip. C. M. Hoff. 2,490,055, Dec. 6.
Electroplating baths and the electrodeposition of zinc. A. E. Chester and F. F. Reisinger. 2,479,670, Aug. 23.
Electroplating compositions and the electrodeposition of zinc. Zinc. A. E. Chester and F. F. Reisinger. 2,485,563, Oct. 25.
Electroplating copper containing coating. G. W. Kellogg. 2,463,039, Mar. 1.
Electroplating nickel and cobalt with periodic reverse current. G. W. Hernstedt and M. Ceresa. 2,470,775, May 24.
Electroplating on chromium or chromium-iron alloys. E. F. G. McGill. 2,491,126, Dec. 13.
Electroplating zinc, and baths and compositions for use therein. J. E. Stareck and F. Passalacqua. 2,488,246, Nov. 15.
Electropolishing the internal surface of a hollow valve. K. M. Bartlett. 2,475,586, July 12.
Electrostatic coating, Method and apparatus for. W. A. Starkey. 2,465,128, Mar. 22.
Electrostatic heating method and apparatus for vulcanizing rubber and similar material. C. W. Leguillon. 2,463,288, Mar. 1.
Electrostrictive translator. G. A. Argabrite. 2,478,223, Aug. 9.
Electrotherapeutic apparatus. T. H. Moray. 2,460,707, Feb. 1.
Electrotransducer and making same. C. K. Gravley. 2,479,926, Aug. 23.
Electrotransducer, Multiplate. A. L. W. Williams. 2,479,987, Aug. 23.
Electrosurgical resecting instrument. F. J. Wallace. 2,484,059, Oct. 11.
Element for coaxial transmission lines, Resistance. E. Feenberg. 2,471,732, May 31.
Element for light-polarizing images, Image-carrying. A. Barnes. 2,481,189, Sept. 6.
Element of P-type crystal, Piezoelectric. H. Jaffe. 2,463,109, Mar. 1.
Element supporting means, Electrical. L. N. Hampton. 2,476,234, July 19.
Elemental boron, Producing. F. J. Sowa. 2,465,989, Apr. 5.
Elements or couplings, Producing flexible. L. Sloan. 2,480,783, Aug. 30.
Elements of sectional cabinets, Joining. C. A. Betts. 2,481,972, Sept. 13.
Elevated tank. G. T. Horton. 2,462,101, Feb. 22.
Elevated tank. F. P. Rust. 2,464,829, Mar. 22.
Elevating mechanism. C. D. Gibson. 2,480,916, Sept. 6.
Elevating mechanism for fifth wheels. G. R. Dempster and H. W. Jones. 2,459,506, Jan. 18.
Elevator. E. M. Bouton. 2,482,458, Sept. 20.
Elevator. C. A. Dana and W. H. Leitz. 2,479,321, Aug. 16.
Elevator. S. M. Mercer. 2,491,899, Dec. 20.
Elevator and support for ceiling and wall board. H. A. Pollard. 2,468,230, Apr. 26.
Elevator attachment, Dirt. W. H. Tucker. 2,489,991, Nov. 29.
Elevator, Bucket. F. H. Cothay. 2,484,931, Oct. 18.
Elevator, Bucket. G. E. Moyer. 2,478,302, Aug. 9.
Elevator, Centrifugal. H. W. Creager. 2,466,210, Apr. 5.
Elevator construction. A. D. Strachan. 2,463,215, Mar. 1.
Elevator control mechanism. G. D. Pettengill, T. F. Jarvis, and W. L. Fader. 2,472,959, June 14.
Elevator control system. A. Pinto. 2,487,891, Nov. 15.
Elevator door lock. J. H. Borden. 2,484,679, Oct. 11.
Elevator, Grain. L. Delivuk. 2,482,159, Sept. 20.
Elevator, Portable grain. H. A. Tintes. 2,460,661, Feb. 1.
Elevator position indicator. J. R. Schoenbaum. 2,462,781, Feb. 22.
Elevator shaft door. J. A. Schweig. 2,482,639, Sept. 20.
Elevator, Stair. H. E. Firestone. 2,472,943, June 14.
Elevator system. H. Berkovitz. 2,491,948, Dec. 20.
Elevator system. W. H. Bruns. 2,468,289, Apr. 26.
Elevator system. H. W. Williams. 2,482,529, Sept. 20.
Elevator system, Zoned. D. Santini. 2,492,010, Dec. 20.
11-amino-undecylic acid, Preparing the. M. Genas. 2,462,855, Mar. 1.
Eliminating offset. C. B. Cotherman. 2,458,981, Jan. 11.
Eliminating porosity in crystalline selenium films. W. E. Blackburn. 2,462,157, Feb. 22.
Eliminating system and oil separator operative therein. Ice. D. M. Lawrence. 2,476,198, July 12.
Eliminating the effects of wear in universal joints. V. Godsey. 2,477,449, July 26.
Elimination apparatus for electric control circuits, Tool induction. E. M. Callender. 2,486,552, Nov. 1.
Elimination of fissures with carbon dioxide. F. Daniels. 2,479,727, Aug. 23.
Eliminator and oil reservoir, Combined waste grab. C. E. Melker. 2,490,314, Dec. 6.
Eliminator, Air. E. B. Tidd. 2,469,616, May 10.
Eliminator, Battery corrosion. E. R. McMorris. 2,477,759, Aug. 2.
Eliminator for electric apparatus, Gas. F. M. Clark. 2,464,026, Mar. 8.
Eliminator for frozen food cases, Sweat. C. C. Brinkoeter. 2,483,804, Oct. 4.
Eliminator for printing presses, Static. W. J. Hooper. 2,483,542, Oct. 4.
Eliminator for reels, Line slack. D. J. Daniel. 2,487,316, Nov. 8.
Eliminator, Scale and sediment. U. B. Best, and V. L. Hudson. 2,477,716, Aug. 2.
Ellipsograph. R. W. Aichroth. 2,468,017, Apr. 26.
Ellipsograph. A. W. Arneemann. 2,468,320, Apr. 26.
Ellipsograph. N. Rabinowitz. 2,477,203, July 26.
Embalmer's aid. F. B. Banta. 2,465,781, Mar. 29.
Embalming apparatus. J. H. Eckels. 2,462,617, Feb. 22.
Embossed articles, Production of ornamented. G. W. Borkland. 2,468,731, May 3.
Embossed battery separator. S. I. Strickhouser and E. C. Uhlig. 2,465,493, Mar. 29.
Embossing die. H. E. Wimpfheimer. 2,469,620, May 10.
Embossing of composition surfaced coverings. R. W. Charlton and F. X. Rovito. 2,482,154, Sept. 20.
Emergency control lock. J. C. Beirise. 2,459,143, Jan. 18.
Emergency fuel tank. A. N. Cristofani and J. R. Rago. 2,485,701, Oct. 25.
Emergency gasoline tank. F. O. Manol. 2,476,203, July 12.
Emergency handle. B. D. Stuvell. 2,463,066, Mar. 1.
Emergency key case. J. A. Rozsa and L. F. Knab. 2,487,897, Nov. 15.
Emergency repair coupling. A. L. Parker. 2,478,127, Aug. 2.
Emergency safety signal. F. Arnold. 2,484,142, Oct. 11.
Emergency stop mechanism. E. A. Hanff. 2,483,828, Oct. 4.
Emergency tire chain. H. P. Huffman and R. B. Suivelv. 2,461,737, Feb. 15.
Emulsifier and emulsified hair-waving composition. H. W. Mace. 2,479,382, Aug. 16.
Emulsifying polymerizable compounds and effecting polymerization with said emulsions. E. C. H. Kolvoort and G. Akkerman. 2,479,241, Aug. 16.
Emulsion, Bituminous. V. E. Watts and L. G. Thompson. 2,481,374, Sept. 6.
Emulsion, Breaking. C. J. G. Leesemann. 2,485,298, Oct. 18.
Emulsion, Hydrocarbon. C. J. G. Leesemann. 2,485,297, Oct. 18.
Emulsion of petroleum oil and aqueous solution containing added alkali metal salts of cresols, Separation of an. L. L. Ferguson. 2,462,810, Feb. 22.
Emulsion polymerization. I. L. Wolk. 2,458,456, Jan. 4.
Emulsion polymerization in the presence of an iron salt and a water-soluble peroxide. E. C. Britton and W. J. LeFevre. 2,468,027, Apr. 26.
Emulsion polymerization in the presence of selectively hydrogenated tallow soaps. B. M. Vanderbilt and J. D. Hetchler. 2,470,417, May 17.
Emulsion polymerization of butadiene in the presence of a salt of a middle fraction of a dehydrogenated rosin. J. H. Long and D. H. Sheffield. 2,485,616, Oct. 25.
Emulsion polymerization of butadiene in the presence of a salt of a dehydrogenated middle fraction of rosin. J. H. Long and D. H. Sheffield. 2,486,183, Oct. 25.
Emulsion polymerization of butadienes. C. E. Barnes. 2,470,065, May 10.
Emulsion polymerization of diolefins in the presence of an alkyl ethanoline soap. B. M. Vanderbilt and F. Bascom. 2,488,149, Nov. 15.
Emulsion polymerization of unsaturated organic compounds. R. S. George. 2,479,226, Aug. 16.
Emulsion polymerization process. G. E. Serniuk. 2,460,038, Jan. 25.
Emulsion polymers. Coagulation of. J. P. Johnson. 2,469,827, May 10.
Emulsion product and making. P. E. McCoy. 2,483,836, Oct. 4.
Emulsion, Stabilized bituminous. P. E. McCoy. 2,481,322, Sept. 6.
Emulsion, Water-in-oil type. D. X. Klein. 2,476,308, July 19.
Emulsions and the like, Bituminous. P. E. McCoy and G. S. Smith. 2,481,323, Sept. 6.
Emulsions, Breaking. E. L. Kropa. 2,468,330, Apr. 26.
Emulsions containing N-aryloxy, arylthio- and arylseleno-alkyl cyanine dyes, Photographic. A. W. Anish. 2,481,464, Sept. 6.
Emulsions having increased adhesion to mineral aggregate, Quick-breaking. D. N. Manzer. 2,483,835, Oct. 4.
Emulsions, Mixed grain photographic. S. S. Fierke and J. J. Chechak. 2,490,749, Dec. 6.
Emulsions of oil and glycerine, Stable. F. W. Bernhart. 2,463,738, Mar. 8.
Emulsions sensitized with N,N-alkylenecyanine dyes, Photographic. L. G. S. Brooker. 2,461,137, Feb. 8.
Enamel, Lead borosilicate. F. B. Hodgdon. 2,481,473, Sept. 6.

- Enamel opacification and process, Vitreous H. and R. A. Oesterle. 2,474,636, June 28.
- Enamel opacifier and producing an enamel therefrom. W. J. Baldwin. 2,483,393, Oct. 4.
- Enamel, Porcelain. G. Goodman. 2,481,474, Sept. 6.
- Encasing material, Food. R. K. Remer. 2,477,768, Aug. 2.
- Enclosed fused switch. G. E. Fitzgerald. 2,465,078, Mar. 22.
- Enclosed safety switch. H. J. Hammerly. 2,467,307, Apr. 12.
- Enclosure for tractors. L. Flora. 2,461,974, Feb. 15.
- Enclosure for vibratile elements. F. J. Alois and R. W. Samsel. 2,480,535, Aug. 30.
- Endgate. C. R. Adams. 2,478,855, Aug. 9.
- Endgate construction. C. F. Bauer, D. A. Wangelin, and C. L. Scott. 2,486,382, Nov. 1.
- End-labeling attachment. T. Jensen. 2,482,711, Sept. 20.
- Endpiece for slide fastener closures. A. Süsskind. 2,471,461, May 31.
- End stop for separable fasteners and forming the same. L. H. Morin. 2,474,908, July 5.
- End stop for slide fasteners. A. E. Carlile and A. M. Brown. 2,472,743, June 7.
- End wall for railway cars. A. G. Dean. 2,468,591, Apr. 26.
- Endoscope handle. M. V. Bhajekar. 2,470,013, May 10.
- Endotracheal intubating stylet. C. W. Caine. 2,463,149, Mar. 1.
- Enema and douche assembly. C. F. Capell. 2,487,694, Nov. 8.
- Enema tube. H. L. Pohl. 2,474,188, June 21.
- Energy comparison system and method, Electrical. N. Marchand. 2,468,093, Apr. 26.
- Energy conversion and control system, Electronic. J. B. Reeves. 2,459,340, Jan. 18.
- Energy directing apparatus. G. L. Tawney. 2,469,419, May 10.
- Engaging impellers pump. R. J. Minshall. 2,487,721, Nov. 8.
- Engine: *See*—
- Balanced double-acting engine.
 - Combustion engine.
 - Compressor-turbine engine.
 - Differential engine.
 - Double-acting two-stroke internal-combustion engine.
 - Dual fuel engine.
 - Fuel oil engine.
 - Gasoline turbine engine.
 - Internal-combustion engine.
 - Inverted V-type engine.
 - Jet engine.
 - Jet propeller aircraft engine.
 - Jet propeller engine.
 - Moving cylinder type internal-combustion engine.
 - Multicylinder engine.
 - Multicylinder hot-gas engine.
 - Multiple opposed piston propulsive engine.
 - Oil engine.
 - Opposed piston engine.
 - Opposed piston internal-combustion engine.
 - Piston engine.
 - Port-scavenged two-cycle internal-combustion engine.
 - Radial engine.
 - Reciprocating cylinder engine.
 - Reciprocating cylinder internal-combustion engine.
 - Reciprocating engine.
 - Rotary Diesel engine.
 - Rotary engine.
 - Rotary internal-combustion engine.
 - Rotary valve internal-combustion engine.
 - Rotary vane engine.
 - Scavenging two-cycle internal-combustion engine.
 - Solenoid bipolar magnetic air valve engine.
 - Supercharged internal-combustion engine.
 - Two-cycle engine.
 - Two-cycle opposed piston engine.
 - Two-stroke internal-combustion engine.
 - Water jet propulsion internal-combustion engine.
- Engine. W. N. Wright. 2,482,136, Sept. 20.
- Engine accessory drive coupling. W. Engstrom. 2,488,769, Nov. 22.
- Engine and compressor, Two-cycle. H. Tétreault. 2,466,132, Apr. 5.
- Engine and operating same, Internal-combustion. E. M. Barber. 2,484,009, Oct. 11.
- Engine and operating same, Two-cycle. R. F. Bracke. 2,481,901, Sept. 13.
- Engine and process, Resonant wave pulse. A. G. Bodine, Jr. 2,480,626, Aug. 30.
- Engine attachment. R. D. Fageol. 2,466,090, Apr. 5.
- Engine block and cylinder assembly. E. A. Winfield. 2,474,878, July 5.
- Engine block electric-type water heater. A. P. Olson. 2,492,001, Dec. 20.
- Engine combustion controlling device. C. W. MacMillan. 2,470,709, May 17.
- Engine conditioning compounds, Internal-combustion. R. I. Potter and H. Gillett. 2,474,437, June 28.
- Engine constructed of sections bolted together along vertical plane to form an entire head, block, and crankcase thereof. C. Voorhies. 2,491,630, Dec. 20.
- Engine construction with removable cylinders, Opposed piston. C. A. Jacobson. 2,469,651, May 10.
- Engine control apparatus. A. B. Chudyk. 2,485,431, Oct. 18.
- Engine control, Free piston. R. Huber. 2,473,204, June 14.
- Engine control means. J. E. Justus. 2,481,020, Sept. 6.
- Engine control system, Plural. J. N. Good. 2,459,878, Jan. 25.
- Engine cooling baffle. A. T. Gregory. 2,472,418, June 7.
- Engine cooling means and method. E. L. Cline. 2,476,837, July 19.
- Engine, cooling of cylinder head, Internal-combustion. J. E. Rovensky. 2,478,548, Aug. 9.
- Engine crankcase and cylinder cleaning and flushing device. G. J. Sheftz. 2,490,235, Dec. 6.
- Engine crankshaft turning adjustment tool. F. J. Voycheske. 2,479,144, Aug. 16.
- Engine mount and accessory coupling, Detachable. C. E. Patterson. 2,471,118, May 24.
- Engine mounting. W. A. Keetch. 2,460,586, Feb. 1.
- Engine noise equipment. C. K. Wilkinson. 2,459,860, Jan. 25.
- Engine of the multiple piston type, Multiple cylinder. D. Adams. 2,473,268, June 14.
- Engine operation, Internal-combustion. H. N. Taylor and E. A. Droegemueller. 2,477,098, July 26.
- Engine or compressor, Rotary. W. A. Bary. 2,476,397, July 19.
- Engine output equalizing apparatus. J. A. Campbell. 2,490,113, Dec. 6.
- Engine output equalizing apparatus, Multiple. A. G. Larson. 2,462,650, Feb. 22.
- Engine plant, including a scavenging compressor driven by an exhaust gas turbine, Internal-combustion. J. E. Johansson. 2,470,702, May 17.
- Engine plant with gas turbine cycle and submerged combustion boiler, Reciprocating. A. Williams. 2,482,819, Sept. 27.
- Engine pressure control system. C. H. Jorgensen, W. H. Taylor, and F. J. Hardman. 2,491,497, Dec. 20.
- Engine protective device. J. H. Cooper. 2,471,387, May 24.
- Engine, pump, and the like, Rotary. F. B. Levett and E. H. Johnson. 2,483,705, Oct. 4.
- Engine rocker arm. J. M. Leake. 2,483,210-11, Sept. 27.
- Engine shipping case. G. H. Allington. 2,460,797, Feb. 8.
- Engine speed control. C. I. MacNeil. 2,458,398, Jan. 4.
- Engine starter control switch. A. H. Winkler. 2,492,340, Dec. 27.
- Engine starter, Hydraulic. H. A. Wilson. 2,467,067, Apr. 12.
- Engine starter mechanism. C. P. Pepper. 2,480,507, Aug. 30.
- Engine starting device. C. E. Streed. 2,461,784, Feb. 15.
- Engine suspension. J. M. Tyler and A. V. D. Willgoos. 2,490,492, Dec. 6.
- Engine suspension, Helicopter. R. W. Jenny. 2,461,422, Feb. 8.
- Engine suspension means. J. M. Tyler and A. V. D. Willgoos. 2,477,501, July 26.
- Engine synchronizer. K. L. Curtis, L. R. Philpott, and A. G. Thompson. 2,465,358, Mar. 29.
- Engine synchronizing mechanism, Impulse actuated. K. B. Britton. 2,480,707, Aug. 30.
- Engine with lateral support for burners, Atmospheric pressure. O. Z. Frazier. 2,471,421, May 31.
- Engine with phase changer, Hot gas. F. L. Van Weenen and W. H. Stigter. 2,465,139, Mar. 22.
- Engine with tapered pipe. Resonant pulse jet. A. G. Bodine, Jr. 2,480,540, Aug. 30.
- Engine with variable compression ratio, Internal-combustion. O. E. Rosaen. 2,467,568, Apr. 19.
- Engine work stand. E. C. Hokanson. 2,463,383, Mar. 1.
- Engines, Thermostatically operating gas. F. M. Jones. 2,477,377, July 26.
- Engraving and copying machine, Electrically operated. G. G. Gruettner. 2,481,657, Sept. 13.
- Engraving machine. R. S. Miller. 2,477,999, Aug. 2.
- Engraving the dies of lenticular optical selectors. M. Bonnet. 2,480,354, Aug. 30.
- Enhancing the yield of yeast in a whey medium. A. M. Hanson, N. E. Rodgers, and R. E. Meade. 2,465,870, Mar. 29.
- Enol acetates, Preparing. E. F. Degering. 2,466,655, Apr. 5.
- Enol acetates, Producing. D. C. Hull and A. H. Aggett. 2,481,669, Sept. 13.
- Enol acetates, Production of. F. G. Young. 2,461,016-17, Feb. 6.
- Enol esters of enolizable organic compounds, Preparing. H. J. Hagemeyer, Jr. 2,476,860, July 19.
- Enolic esters, Preparing. J. R. Caldwell. 2,487,849, Nov. 15.
- Envelope. W. Krall. 2,476,740, July 19.
- Envelope. E. R. White. 2,469,251, May 3.
- Envelope and blank for forming the same, Multisection. T. A. Terry. 2,469,853, May 10.
- Envelope assemblies, Continuous. H. V. Davies. 2,464,490, Mar. 15.
- Envelope, Electric discharge. R. L. Breadner, H. G. Jenkins, and C. H. Simms. 2,491,847, Dec. 20.
- Envelope having all edges of mouth reinforced, Bellows type. M. J. Shaffer. 2,460,909, Feb. 8.
- Envelope having tamper detecting means. D. L. Drummond. 2,457,809, Jan. 4.
- Envelope, Record. E. E. Modes. 2,480,416, Aug. 30.
- Envelope snap fastener. O. J. Huelster. 2,489,032, Nov. 22.
- Envelope structure for electron discharge devices, Laminated. J. G. Trump and R. W. Cloud. 2,460,201, Jan. 25.
- Enrichening device. A. W. Orr, Jr. 2,468,941, May 3.

- Enriching the endosperm of cereal grains with natural vitamins. E. G. Huzenlaub. 2,472,426, June 7.
- Enrichment composition. T. S. H. Clark. 2,470,804, May 24.
- Enzyme reagent, Preparing. F. L. Kauffman and W. M. Urbain. 2,492,580, Dec. 27.
- Ephidrive-ethylene diamine complex. E. A. Ferguson, Jr. 2,481,406, Sept. 6.
- Epicyclic change-speed gear. D. C. Goodchild. 2,460,081, Jan. 25.
- Epicyclic mechanism. P. Tatlow. 2,469,905, May 10.
- Epicycloidal train of friction mechanism. J. Boucher. 2,484,605, Oct. 11.
- Epoxidation of esters of oleic and linoleic acids. W. D. Niederhauser and J. E. Koroly. 2,485,160, Oct. 18.
- Epoxy derivatives from unsaturated aliphatic compounds, Preparing. D. E. Terry and D. H. Wheeler. 2,458,484, Jan. 4.
- Epoxy tetramethylol methane and polymerization products thereof. J. A. Wyler. 2,462,048, Feb. 15.
- Equalizer for standoff insulators, High potential. J. F. Frese. 2,469,380, May 10.
- Equalizing system. J. C. Maris. 2,467,267, Apr. 12.
- Equipment, Card filing. G. C. Bruen. 2,473,856, June 21.
- Equipment for electric arcs, Supply. J. C. Milne. 2,471,641, May 31.
- Equipment for faulty electrical insulators, Test. A. J. Sorensen. 2,475,680, July 12.
- Equipment for wells, Producing. A. J. Penick. 2,488,931, Nov. 22.
- Equipment on aircraft, Electrical. A. G. Forsyth. 2,488,392, Nov. 15.
- Equipment on aircraft, Electrical. A. G. Forsyth. 2,491,172, Dec. 13.
- Equipment, Parachute. H. G. Rogers and C. C. Kajdan. 2,482,693, Sept. 20.
- Eraser for pencils. C. C. Harris. 2,482,273, Sept. 20.
- Eraser, Motor-driven adjustable. C. Sturzenegger. 2,487,903, Nov. 15.
- Eraser mounting. L. J. Most. 2,478,123, Aug. 2.
- Erecting concrete floor forms. A. G. Overesch. 2,489,808, Nov. 29.
- Erecting device, Gyroscope. H. C. Wendt. 2,486,897, Nov. 1.
- Erecting device, Gyroscope. H. C. Wendt. 2,488,358, Nov. 15.
- Erecting mechanism for gyro-verticals and the like. T. W. Kenyon. 2,464,516, Mar. 15.
- Erecting system for gyroscopes. C. L. Norden. 2,462,541, Feb. 22.
- Erecting system, Resonant gyroscope. A. Raspet. 2,480,263, Aug. 30.
- Erector for theater signs, Letter. L. J. Stehberger. 2,487,738, Nov. 8.
- Escape device. L. L. Werner. 2,471,467, May 31.
- Escapement mechanism. R. M. Flanagan. 2,460,000, Jan. 25.
- Escapement mechanism. T. A. Gummersall. 2,481,213, Sept. 6.
- Escapement mechanism. E. Mihalek. 2,477,137, July 26.
- Escapement mechanism, Electromagnetic. B. A. Vuille. 2,466,627, Apr. 5.
- Escapement mechanism for alarm clocks. C. K. Stotz. 2,465,492, Mar. 29.
- Escapement mechanism, Noiseless. J. C. Veltman and W. O. Michelson. 2,484,198, Oct. 11.
- Ester exchange reaction. S. B. Lippincott. 2,476,052, July 12.
- Ester lactones. W. J. Croxall and H. T. Neher. 2,459,684, Jan. 18.
- Ester-lactones of isopropenyl acetate heteropolymers. L. M. Minsk and W. O. Kenyon. 2,481,769, Sept. 13.
- Ester lactones, Preparing. H. J. Hagemeyer, Jr. 2,484,499, Oct. 11.
- Ester of nicotinic acid. M. Hartmann and E. Merz. 2,485,152, Oct. 18.
- Esterification of aryl vinyl compounds. J. M. Wilkinson, Jr. 2,485,125, Oct. 18.
- Esters. H. Wittcoff. 2,480,347, Aug. 30.
- Esters containing a pentaerythritol, Resinous mixed. F. G. Oswald. 2,459,581, Jan. 18.
- Esters in cheese. Citric acid. C. M. Gooding, R. H. Neal, and H. W. Vahlteich. 2,485,637, Oct. 25.
- Esters, Manufacture of. F. O. Cockerille. 2,462,163, Feb. 22.
- Esters of acids of phosphorus, Preparation of. J. B. Dickey and J. G. McNally. 2,466,393-4, Apr. 5.
- Esters of acids of phosphorus, Preparation of. J. B. Dickey and J. G. McNally. 2,478,377, Aug. 9.
- Esters of acids of phosphorus, Preparation of. J. B. Dickey and J. G. McNally. 2,490,748, Dec. 6.
- Esters of acrylic acid, Preparation of. B. C. Redmon and G. R. Griffin. 2,464,768, Mar. 15.
- Esters of acyloxy-carboxylic acids. C. E. Rehberg and C. H. Fisher. 2,464,992, Mar. 22.
- Esters of alkyl silicic acids, Water-soluble. D. X. Klein and D. E. Kvalnes. 2,476,307, July 19.
- Esters of alpha-fluoromethyl acrylic acids. J. B. Dickey. 2,472,812, June 14.
- Esters of amino acids, Cellulose. T. S. Gardner. 2,461,152, Feb. 8.
- Esters of azelaic acid as plasticizers for rubberlike polymers. W. C. Smith. 2,469,748, May 10.
- Esters of beta-thiodipropionic acid, Preparation of long-chain. W. F. Gresham and M. F. Gribbins. 2,468,725, May 3.
- Esters of cellulose, Producing. G. A. Richter, Jr. 2,492,442, Dec. 27.
- Esters of 2-cyclohexene-1-caproic acid. G. H. Coleman. 2,491,442, Dec. 13.
- Esters of dioles and trioles of cyclopentane-polyhydrophenanthrene series, Production of. I. Bennekou. 2,467,460, Apr. 19.
- Esters of fatty acids, Mixed. F. A. Strauss. 2,469,446, May 10.
- Esters of 5-oxy-1,2 carboxy cyclohexanes. R. C. Morris and R. M. Horowitz. 2,489,103, Nov. 22.
- Esters of 5-tertiarybutylsalicylic acid. E. C. Britton and E. Monroe. 2,464,172, Mar. 8.
- Esters of ketone formaldehyde condensation products, Saturated. H. Wittcoff. 2,480,348, Aug. 30.
- Esters of methacrylic acid. R. H. Treadway. 2,492,203, Dec. 27.
- Esters of mixtures of polyoxyalkylene monohydroxy compounds. H. R. Fife and F. H. Roberts. 2,480,185, Aug. 30.
- Esters of monomethylene ethers of 1-keto-2 gulonic acid, Manufacture of. A. H. Ruys and J. F. Lemmens. 2,491,933, Dec. 20.
- Esters of nitroalcohols. J. B. Tindall. 2,488,650, Nov. 22.
- Esters of 1-alkyl-4-hydroxyphenyl-piperidyl-4-ketones. K. Miescher and H. Kaegi. 2,486,796, Nov. 1.
- Esters of 1-methyl-3-acyloxypropylalpha halomalononic acids and their preparation. O. Schwarzkopf and A. D. Lewis. 2,464,158, Mar. 8.
- Esters of organic carboxylic acids, Preparing. R. F. Phillips. 2,460,191, Jan. 25.
- Esters of para amino benzoic acid, Alkamine. A. C. Cope. 2,459,217, Jan. 18.
- Esters of penicillin S-dioxide. E. F. Rogers and K. Folkers. 2,483,235, Sept. 27.
- Esters of penillic and isopenillic acids. J. C. Sheehan and M. Tishler. 2,492,243, Dec. 27.
- Esters of phthalideneacetic acid and their preparation. D. T. Mowry. 2,483,371, Sept. 27.
- Esters of piperonyl chrysanthemum carboxylic acid. M. E. Synerholm. 2,458,656, Jan. 11.
- Ethers of polyalkylated cyclic sulfones. R. C. Morris and J. L. Van Winkle. 2,482,631, Sept. 20.
- Esters of polyhydric alcohols with mercaptocarboxylic and drying oil acids, Mixed. C. W. Mortenson. 2,476,891, July 19.
- Esters of polyhydroxy-benzoic acids. S. G. Morris and R. W. Riemenschneider. 2,483,099, Sept. 27.
- Esters of product obtained by reacting pentaerythritol and thiodiglycol. F. B. Augustine. 2,476,129, July 12.
- Esters of sulfone haloalcohols. R. C. Morris, E. C. Shokal, and J. L. Van Winkle. 2,460,233, Jan. 25.
- Esters of terephthalic acid, Preparation of. W. F. Gresham. 2,491,660, Dec. 20.
- Esters of 2-chloro-4-amino benzoic acid, Alkamine. H. C. Marks and M. I. Rubin. 2,460,139, Jan. 25.
- Esters of 2,3-epoxypropylmalonic acid and their preparation. H. Levy and R. Daniels. 2,464,137, Mar. 8.
- Esters, Producing. S. B. Lippincott. 2,476,053, July 12.
- Esters, Producing. M. K. Smith. 2,486,444, Nov. 1.
- Estrogenic substances. R. C. Tallman and A. H. Stuart. 2,486,580, Nov. 1.
- Etching method. G. W. Jernstedt. 2,462,197, Feb. 22.
- Ethanolamine, Preparation of. W. F. Gresham. 2,491,659, Dec. 20.
- Ether purification. C. T. Steele and M. C. Fuqua. 2,485,329, Oct. 18.
- Etherification process. J. R. Roach and H. Wittcoff. 2,483,739, Oct. 4.
- Ethers and esters of carbohydrates, Producing. J. Lolkema. 2,459,108, Jan. 11.
- Ethers and the manufacture of same. N. C. Hindley and J. A. Low. 2,480,326, Aug. 30.
- Ethers by reacting tricyclics with alcohols, Preparation of. J. N. Borglin and R. F. B. Cox. 2,488,489, Nov. 15.
- Ethers of 9,10-dihydroxystadecanol. D. Swern. 2,491,533, Dec. 20.
- Ethers of oximino acid chlorides. W. H. Hartung. 2,470,083, May 17.
- Ethers of starch, Mixed allyl. R. M. Hamilton and E. Yanovsky. 2,463,869, Mar. 8.
- Ethyl alcohol, Production of. A. S. Ramage. 2,472,618, June 7.
- Ethyl benzene from styrene, Distillation of. E. O. Ohsol and J. A. Patterson. 2,467,152, Apr. 12.
- Ethyl cellulose composition, Stabilized. W. D. Paist. 2,465,472, Mar. 29.
- Ethyl cellulose gels. M. T. Harvey. 2,485,597, Oct. 25.
- Ethyl homolog of vitamin B₆. S. A. Harris and A. N. Wilson. 2,480,649, Aug. 30.
- Ethylene, Conversion of. S. J. Hetzel and R. M. Kennedy. 2,461,820, Feb. 15.
- Ethylene cyanohydrin, Production of. A. W. Jeffs and J. A. Schmidlein. 2,459,430, Jan. 18.
- Ethylene diformate, Production of. H. W. Fleming. 2,471,520, May 31.
- Ethylene from gaseous mixtures, Separation of. M. H. M. Arnold and D. Baxter. 2,476,472, July 19.
- Ethylene oxide, Making. R. L. Heider and C. J. Stehman. 2,458,266, Jan. 4.

- Ethylene polymerization process. E. E. McSweeney. 2,475,628, July 12.
- Ethylene polymerization process. J. E. Seebold. 2,475,643, July 12.
- Ethylene polymerization with Grignard type compounds. M. J. Roedel. 2,475,520, July 5.
- Ethylene polysulfide polymer lubricant. B. A. Perkins. 2,474,859, July 5.
- Ethylene-urea, Preparation of. D. J. Loder. 2,474,004, June 21.
- Ethynyl carbinol of β -ionone, Process for preparing the. W. Oroshnik. 2,472,310, June 7.
- Evaluating paper toweling or the like. J. Sobota. 2,469,013, May 3.
- Evaluator, Bearing. H. T. Engstrom. 2,463,528, Mar. 8.
- Evaluator, Chart. J. E. Bevins. 2,481,563, Sept. 13.
- Evaporating liquids, Method of and apparatus for. A. Schraer and J. Spirig. 2,490,547, Dec. 6.
- Evaporator. J. Eisner. 2,472,409, June 7.
- Evaporator. H. H. Feldstein. 2,473,641, June 21.
- Evaporator. C. C. Hubbell. 2,481,511, Sept. 13.
- Evaporator coil combined with a fan, Semicircular. G. Frie. 2,486,145, Oct. 25.
- Evaporator, Farm freezer. T. G. Crider. 2,489,754, Nov. 29.
- Evaporator, Flash. C. J. Lockman. 2,488,598, Nov. 22.
- Evaporator for therapeutic, sterilizing, and insecticidal liquids. G. Szekely. 2,472,992, June 14.
- Evaporator having an extended vaporizing surface area. J. G. Reid, Jr. 2,485,844, Oct. 25.
- Evaporator having refrigerant recirculation means. H. G. Mojonner. 2,462,329, Feb. 22.
- Evaporator, Laboratory circulating. D. T. Mitchell. 2,461,389, Feb. 8.
- Evaporator, Milk. A. W. Baumann. 2,485,689, Oct. 25.
- Evaporator, Open pan. D. J. Parris. 2,479,771, Aug. 23.
- Evaporator structure. C. C. Hubbell. 2,481,512, Sept. 13.
- Evaporator structure. W. M. Wohl. 2,481,556, Sept. 13.
- Evaporator unit. W. F. Cooley. 2,468,292, Apr. 26.
- Evaporator unit. B. C. Johnson. 2,469,828, May 10.
- Evaporator with concentric evaporating chambers, Rotary drum. J. E. Bibby. 2,484,445, Oct. 11.
- Evaporator with dome condenser, Spray. H. Rainwater. 2,475,639, July 12.
- Examination box. J. M. Hills. 2,486,026, Oct. 25.
- Examining materials, Process and apparatus for. E. R. Mann, S. W. Stanton, and T. T. Goldsmith, Jr. 2,483,471, Oct. 4.
- Examining welded surfaces. J. W. Dawson. 2,475,596, July 12.
- Excavating and load handling machine. L. R. Russell. 2,472,726, June 7.
- Excavating apparatus. E. H. Kluckhohn. 2,489,898, Nov. 29.
- Excavating apparatus, Vertical shaft. A. A. Putnam. 2,474,803, June 28.
- Excavating machine. M. H. Cramer. 2,470,147, May 17.
- Excavating machine. E. G. Halby. 2,488,908, Nov. 22.
- Excavator. R. O. Billings. 2,477,401, July 26.
- Excavator cab, Ventilated. W. S. Burdick and H. S. Jacobs. 2,484,685, Oct. 11.
- Excess flow valve. C. E. Baird. 2,475,585, July 12.
- Exchange apparatus, Heat. M. Frisch and J. Blizard. 2,475,604, July 12.
- Exchange apparatus, Heat. R. J. Scott. 2,485,664, Oct. 25.
- Exchange system, Heat. W. Stelzer. 2,484,127, Oct. 11.
- Exchange system, Telegraph. G. G. Light and W. B. Blanton. 2,484,838, Oct. 18.
- Exchanger, Heat. J. A. Balmer. 2,473,561, June 21.
- Exchanger, Heat. L. M. Cameron. 2,476,179, July 12.
- Exchanger, Heat. M. F. Fleitz. 2,482,335, Sept. 20.
- Exchanger or cooling tower, Heat. L. L. Simmons. 2,485,849, Oct. 25.
- Exchanger reinforcing means, Heat. H. B. Ellis. 2,485,088, Oct. 18.
- Exchanging heat, Process and apparatus for. F. H. Cornelius. 2,464,072, Mar. 8.
- Excitation limiting system. J. E. Reilly and R. M. Jolly. 2,476,911, July 19.
- Exciting means for high-frequency display tubes. C. H. Fuller. 2,459,422, Jan. 18.
- Exercise device. O. P. Mikell, Jr. 2,467,943, Apr. 19.
- Exercise. F. M. Hagerman. 2,488,534, Nov. 22.
- Exercise and amusement device for infants. E. de Ferrari. 2,461,682, Feb. 15.
- Exercise, Eye. H. Breitbarth. 2,458,140, Jan. 4.
- Exercising and amusement apparatus, Pedally driven. A. R. Barnes. 2,468,011, Apr. 19.
- Exercising and massaging device, Back. R. J. Robb. 2,487,730, Nov. 8.
- Exercising device. J. D. Bell. 2,470,544, May 17.
- Exercising device. J. Bldak. 2,475,656, July 12.
- Exercising device. K. J. Chaudoir, Sr. 2,484,153, Oct. 11.
- Exercising device. R. W. W. Harvey. 2,470,816, May 24.
- Exercising device. L. P. Jarrell. 2,463,277, Mar. 1.
- Exercising device. R. Underwood. 2,476,518, July 19.
- Exercising device, Horse. A. J. Schrader. 2,490,438, Nov. 29.
- Exercising human internal organs. C. M. Baron. 2,467,724, Apr. 19.
- Exfoliating and bleaching vermiculite. J. B. Barnes. 2,492,208, Dec. 27.
- Exhaust manifold clamp. E. Katzenmeyer and G. J. Webb. 2,478,487, Aug. 9.
- Exhaust pipe extension. C. W. Chester. 2,489,481, Nov. 29.
- Exhaust system, Fume. P. A. Sidell. 2,467,505, Apr. 19.
- Exhaust valve. J. S. Walsh. 2,488,949, Nov. 22.
- Exhibiting device, Color. A. Kanaske. 2,481,672, Sept. 13.
- Exit device, Beehive. J. E. Harwood. 2,485,879, Oct. 25.
- Exothermic reactions, Carrying out. H. V. Atwell. 2,473,129, June 14.
- Expandable curling rod. J. Whyte. 2,474,449, June 28.
- Expander, Cut ring. F. Kuert. 2,489,905, Nov. 29.
- Expander, Hose coupling. W. M. Sherman. 2,481,628, Sept. 13.
- Expander material and preparing the same, Storage battery. A. Stewart, A. R. Pitrot, and E. Willihnganz. 2,479,983, Aug. 23.
- Expanding containers by freezing liquid therein. D. E. Morgan. 2,487,257, Nov. 8.
- Expanding hollow rivets, Gaseously. B. B. Kahn. 2,492,579, Dec. 27.
- Expanding mandrel for feed reels. R. Brunner. 2,481,000, Sept. 6.
- Expanding tubing by freezing liquid therein. D. E. Morgan. 2,458,189, Jan. 4.
- Expansion chamber. L. N. Grafinger. 2,476,857, July 19.
- Expansion flange. J. C. and J. C. Hobbs, II. 2,470,167, May 17.
- Expansion joint. J. S. Pinaire. 2,458,024, Jan. 4.
- Expansion of circular tables. A. H. Eliason. 2,492,139, Dec. 27.
- Expansion sleeve. E. J. Newhouse. 2,469,742, May 10.
- Expansion valve. P. F. Petersen. 2,486,060, Oct. 25.
- Exploder, Mine. C. C. White. 2,489,349, Nov. 29.
- Exploration by soil analysis. L. Horvitz. 2,470,401, May 17.
- Explosion-proof generator. W. F. Eckert. 2,465,436, Mar. 29.
- Explosion protective apparatus. C. H. Barnard and P. S. Dickey. 2,467,181, Apr. 12.
- Explosive assembly. L. A. Burrows and R. M. Girdler. 2,475,875, July 12.
- Explosive composition. G. C. Hale. 2,472,105, June 7.
- Explosive composition. W. F. Van Loenen. 2,477,549, July 26.
- Explosive composition, Stabilized blasting. E. Whitworth and J. C. Horne. 2,470,733, May 17.
- Explosive compositions, Producing. S. J. McClung. 2,483,589, Oct. 4.
- Explosive device. J. P. Catlin. 2,462,305, Feb. 22.
- Explosive device. J. E. Riley. 2,468,274, Apr. 26.
- Explosive proof test tube heater. W. L. Melton. 2,487,161, Nov. 8.
- Explosive-release mechanism. J. M. Shoemaker. 2,489,984, Nov. 29.
- Explosive shell, Small arms. A. J. Coppotelli. 2,463,154, Mar. 1.
- Explosive suitable for safety blasting explosives. J. Taylor and O. A. Gurton. 2,481,795, Sept. 13.
- Explosively actuated tool. I. R. Murphy. 2,472,120, June 7.
- Explosives and their manufacture, Granular or powder. J. Whetstone. 2,460,375, Feb. 1.
- Explosives, Manufacturing. P. W. Streiffert. 2,485,889, Oct. 25.
- Exposure control for photographic printers, Automatic. C. M. Tuttle, R. V. Cartwright, and H. P. Eichler. 2,464,162, Mar. 8.
- Exposure meter having adjustable interconnected photocell shutter and pointer biasing means. F. J. Lingel. 2,482,281, Sept. 20.
- Exposure meter having connected movable galvanometer and calculator scales, Photoelectric. J. Mihalyi. 2,481,678, Sept. 13.
- Exposure meter with automatic eye sensitivity compensation, Extinction type. K. Rath. 2,484,735, Oct. 11.
- Extensible drying rack. W. H. Gillespie. 2,490,265, Dec. 6.
- Extensible, retractable, and collapsible structure, Continuously. K. O. Larson. 2,461,429, Feb. 8.
- Extension control device, Baby carriage foot. A. M. Boudreau. 2,492,209, Dec. 27.
- Extension cord connection lock. A. R. Ross. 2,464,893, Mar. 22.
- Extension for automatic pistols. W. R. Vonella. 2,464,010, Mar. 8.
- Extension joint. G. F. Lomelino. 2,461,828, Feb. 15.
- Extension lamp support. R. J. Brandt. 2,479,720, Aug. 23.
- Extension leaf table. C. H. Schnorr. 2,471,782, May 31.
- Extension leaf table. J. C. L. Viehmann. 2,468,528, Apr. 26.
- Extension table. C. E. Millsbaugh. 2,482,358, Sept. 20.
- Extension table. J. P. Sacks. 2,463,911, Mar. 8.
- Exterior bomb container. H. J. Biondi. 2,469,363, May 10.
- Exterior form for use in molding burial vaults and the like. J. S. Schopf. 2,461,928, Feb. 15.
- Extinguisher, Fire. H. W. Doughty. 2,474,099, June 21.
- Extinguisher for ash trays. J. W. Turulis. 2,480,816, Aug. 30.
- Extinguishing burning flammable vapors. R. A. Cranston. 2,487,964, Nov. 15.

- Extracting device for bakery products. H. J. Harker. 2,462,021, Feb. 15.
- Extracting device, Square root. E. F. Chandler. 2,487,310, Nov. 8.
- Extracting machine. E. M. Borg. 2,462,840, Mar. 1.
- Extracting machine, Juice. H. L. Smith and N. B. Wood. 2,463,125, Mar. 1.
- Extracting rubber from plants. H. Tint and C. W. Murray. 2,459,369, Jan. 18.
- Extraction. M. R. Arnold. 2,478,619, Aug. 9.
- Extraction and purification of sugar. A. M. Erickson and J. D. Ryan. 2,482,750, Sept. 27.
- Extraction, Diolefin. S. W. Wilson. 2,483,863, Oct. 4.
- Extraction of cotton seed oil. C. Trottmann. 2,489,599, Nov. 29.
- Extraction of cottonseed oil, Solvent. A. Perez. 2,485,916, Oct. 25.
- Extraction of elemental sulfur from oils. J. A. Hart, L. N. Hollis, and J. W. Randolph. 2,460,227, Jan. 25.
- Extraction of liquids from liquid containing materials. A. W. Sizer. 2,466,492, Apr. 5.
- Extraction of oil, Solvent. C. M. Stone. 2,472,499, June 7.
- Extraction of penicillin, Solvent. D. Rowley, H. Steiner, and E. Zimkin. 2,482,938, Sept. 27.
- Extraction of sugar from sugar-containing liquids. J. Hradecky. 2,488,974, Nov. 22.
- Extraction of the useful content of olive pits and the products thereof. F. C. Battistella. 2,475,419, July 5.
- Extraction of tin from iron alloys. J. F. Jordan. 2,474,979, July 5.
- Extraction process for separating metals. F. Gjedebo. 2,468,660, Apr. 26.
- Extraction process, Glycerine. J. C. Elgin. 2,479,041, Aug. 16.
- Extraction process, Solvent. E. F. Wadley. 2,477,322, July 26.
- Extractor: See—
- Air bag extractor. Fruit juice extractor.
 - Balancing means for centrifugal clothes extractor. Juice extractor.
 - Motorized pressure juice extractor.
 - Brake spring extractor. Seed extractor.
 - Can extractor. Split ring retainer extractor.
 - Cartridge extractor. Spray extractor.
 - Cartridge case extractor.
 - Fishhook extractor.
- Extractor and making same, Stud. D. C. Harer. 2,480,648, Aug. 30.
- Extractor, especially for one-shot firearms, Cartridge. J. and F. Koucky. 2,479,844, Aug. 23.
- Extractor for citrus fruits or the like, Juice. J. P. Quam. 2,487,371, Nov. 8.
- Extractor for pneumatic tires, Nail. A. Iafrate. 2,484,948, Oct. 18.
- Extractor, Tap. D. Thomas. 2,462,438, Feb. 22.
- Extracts from citrus fruit peel, Preparation of. O. I. Gindewski. 2,485,279, Oct. 18.
- Extruded articles from vinyl aromatic resins, Producing uniformly colored. K. E. Stober. 2,470,001, May 10.
- Extruded collapsible tubes, Making. C. E. Slaughter. 2,484,965, Oct. 18.
- Extruded shape. R. P. Davie, Jr. 2,458,686, Jan. 11.
- Extruder and cutter mechanism. A. Genovese. 2,466,587, Apr. 5.
- Extruding and processing apparatus. G. E. Henning. 2,486,474, Nov. 1.
- Extruding apparatus. G. E. Berggren. 2,488,576, Nov. 22.
- Extruding apparatus. T. J. Rhodes. 2,465,482, Mar. 29.
- Extruding die and method, Tube. H. F. Temple. 2,483,376, Sept. 27.
- Extruding machine, Bottom filling. P. White. 2,465,501, Mar. 29.
- Extruding machine for plastic material. C. E. Dellenbarger. 2,466,934, Apr. 12.
- Extruding paper to form artificial fuel logs. R. O. Williams and V. Bredlik. 2,475,768, July 12.
- Extruding plastic material. J. Bailey and R. W. Canfield. 2,479,804, Aug. 23.
- Extrusion apparatus. C. K. Bump. 2,489,951, Nov. 29.
- Extrusion apparatus. J. W. Van Riper. 2,473,230, June 14.
- Extrusion die. J. F. Shively, Sr. 2,491,588, Dec. 20.
- Extrusion equipment. C. C. Waddell, H. H. Vickers, and W. W. Waterman. 2,487,910, Nov. 15.
- Extrusion machine. A. W. Hanson. 2,488,189, Nov. 15.
- Eye bath, Fountain. R. G. Benson. 2,482,960, Sept. 27.
- Eye bolt. P. C. Sherburne. 2,487,989, Nov. 15.
- Eye dropper and eyewash cup, Combination. R. H. Okawa. 2,482,431, Sept. 20.
- Eyeglass, Brow engaging. A. H. Hansen. 2,478,921, Aug. 21.
- Eyeglass holder. P. M. Bowman. 2,467,251, Apr. 12.
- Eyepiece for optical instruments, Sealed adjustable. A. L. Baker. 2,472,739, June 7.
- Eye protector. S. Sameth. 2,491,137, Dec. 13.
- Eyeshade. P. Schlumbohm. 2,491,216-17, Dec. 13.
- Eyeshield, Glare-eliminating. C. O. Brown and M. N. Fairbank. 2,475,471, July 5.
- Eyeshield, Illuminated. G. C. Wilhide. 2,477,915, Aug. 2.
- Eye testing apparatus, Optical. E. Freeman. 2,485,272, Oct. 18.
- Eye testing device having self-contained means for checking both far and near vision deficiencies. C. A. Ellis. 2,481,582, Sept. 13.
- Eye-testing device, Plural target. I. Bennett, J. Venger, and G. C. Waddell. 2,468,953, May 3.
- Fabric: See—
- Coated cotton fabric. Electrically heated fabric.
 - Coated elastic fabric. Knitted fabric.
 - Elastic fabric. Pile fabric.
 - Electrically conductive fabric. Sail fabric.
 - Electrically energizable fabric. Tire fabric.
 - Woven tubular fabric.
- Fabric. L. A. Savage. 2,463,122, Mar. 1.
- Fabric and making same, Composite pile and nap face. E. K. Flynn. 2,482,581, Sept. 20.
- Fabric and making same, Nonwoven. C. C. Wilson, H. H. Cudd, and D. V. Probasco. 2,477,675, Aug. 2.
- Fabric and making the same, Knitted. R. F. W. Krueger. 2,485,747, Oct. 25.
- Fabric article, Shaped. L. Bihaly. 2,460,674, Feb. 1.
- Fabric composed of rigid interconnected links, Flexible. H. Reinstein. 2,460,654, Feb. 1.
- Fabric for the manufacture of rainproof garments. E. E. Raymond. 2,466,911, Apr. 12.
- Fabric head steam and vacuum puff iron. W. Caplan. 2,490,618, Dec. 6.
- Fabric, Method and apparatus for flocking. T. Lindquist. 2,464,453, Mar. 15.
- Fabric reinforcement. R. G. Olson. 2,474,273, June 28.
- Fabric seam, Waterproof. H. H. Haman and W. E. Schmidt. 2,465,374, Mar. 29.
- Fabric selvaage, Open-mesh. T. M. Scruggs. 2,461,240, Feb. 8.
- Fabric, Weaving pile. J. H. Harding. 2,477,248, July 26.
- Fabric with cut pile of a unique character, Producing pile. H. W. Day. 2,479,478, Aug. 16.
- Fabric with locked selvaage, Woven. C. F. Libby. 2,492,051, Dec. 20.
- Fabricated article, Shaped. H. E. Shearer and J. E. Van Nest. 2,474,375, June 28.
- Fabricated articles, Making. J. Gregg. 2,473,024, June 14.
- Fabricating machine, Revetment. G. Walker. 2,480,064, Aug. 23.
- Fabricating mica, Method and apparatus for. M. D. Heyman. 2,490,129, Dec. 6.
- Fabrics and preparation thereof, Nonslip. A. D. Nute. 2,491,454, Dec. 13.
- Fabrics, Bonding. R. G. Bartlett, J. L. Moilliet, and R. J. W. Reynolds. 2,483,330, Sept. 27.
- Fabrics, Manufacture of pile. C. P. Crossley. 2,488,004, Nov. 15.
- Fabrics, Manufacture of pile. W. F. Fuhrhop and H. Van Issum. 2,491,258, Dec. 13.
- Faceplate for railway cars, Diaphragm. W. B. Dean. 2,465,323, Mar. 22.
- Faceplate for wood lathes. G. Braun. 2,469,630, May 10.
- Faceplate, Vise jaw. M. T. Guest. 2,485,876, Oct. 25.
- Face powder container. L. Bering. 2,460,444, Feb. 1.
- Face powder container. M. J. Brandt. 2,466,875, Apr. 12.
- Facing compositions for metal casting molds, Manufacture of. B. P. Wallace. 2,476,933, July 19.
- Facing, Garment sleeve. B. Liebowitz. 2,477,813, Aug. 2.
- Facsimile apparatus. R. J. Wise and R. D. Parrott. 2,469,423, May 10.
- Facsimile apparatus, Color. M. Salz. 2,473,729, June 21.
- Facsimile machine, Inside scanning. W. S. Tandler and D. S. Walker. Re. 23,113, May 10.
- Facsimile receiving system. L. A. Thompson. 2,467,950, Apr. 19.
- Facsimile synchronizing control. J. R. Shonnard and G. W. Kaye. 2,464,618, Mar. 15.
- Facsimile synchronizing device. A. G. Cooley. 2,492,621, Dec. 27.
- Facsimile system, Engraving. G. Washington, Jr. 2,489,691, Nov. 29.
- Fairing assembly for turbine bearings. C. A. Baresch. 2,469,711, May 10.
- Fairing for automobile vehicles. J. E. Andreau. 2,458,130, Jan. 4.
- Fan. S. M. Bernstein. 2,476,692, July 19.
- Fan. H. Geissler and J. Cassie. 2,476,543, July 19.
- Fan. R. D. Moore. 2,471,578, May 31.
- Fan, Air circulating. J. H. Beckert. 2,471,671, May 31.
- Fan, Air circulating. J. H. Beckert. 2,491,025-6, Dec. 13.
- Fan and air heating means, Combined electric. J. M. Aufiero. 2,473,325, June 14.
- Fan and limit switch mechanism, Combination. H. E. Malone. 2,490,073, Dec. 6.
- Fan and mirror, Combination. W. E. Chilo. 2,464,292, Mar. 15.
- Fan and motor support. T. H. Troller and C. P. Jenkins. 2,488,945, Nov. 22.
- Fan assembly. K. A. Beier. 2,492,029, Dec. 20.
- Fan assembly for refrigerator cars, Bunker and air circulating. P. K. Beemer. 2,459,912, Jan. 25.
- Fan attachment for sewing machines. Q. Haynes. 2,486,404, Nov. 1.
- Fan, Axial flow. J. L. Bartlett, Jr. 2,468,723, Apr. 26.
- Fan, Axial flow. I. S. Ritter. 2,482,597, Sept. 20.
- Fan belt tool. O. H. Fleming. 2,465,217, Mar. 22.
- Fan construction. C. L. Moorman. 2,475,751, July 12.

- Fan, Electric. E. Zacharias. 2,472,039, May 31.
 Fan for suction cleaners, Plastic. C. G. Troxler. 2,486,619, Nov. 1.
 Fan-heater, Electrically heated. M. Morrison. 2,475,910, July 12.
 Fan, High-temperature. N. J. Grover. 2,464,681, Mar. 15.
 Fan, High-temperature. H. E. Morton. 2,484,955, Oct. 18.
 Fan, High-temperature. C. Nygren. 2,473,813-14, June 21.
 Fan, Motor-driven. S. De Lisle. 2,488,467, Nov. 15.
 Fan, Portable exhaust. L. N. De Cuir, Sr., and A. J. Dugas. 2,463,752, Mar. 8.
 Fan-radiator apparatus, Electrically heated. S. A. Witte, W. W. and P. W. Wittie, and N. Witte. 2,481,963, Sept. 13.
 Fan type heater. C. A. Lindberg and H. W. Eckles. 2,469,234, May 3.
 Fare box supporting and locking means. R. L. Care. 2,476,134, July 12.
 Farm gate. H. K. Tabler. 2,469,019, May 3.
 Fashioning of articles. J. Stivin. 2,464,658, Mar. 15.
 Fast neutron meter. C. C. Gamertsfelder, Jr. 2,481,506, Sept. 13.
 Fast neutron meter. E. O. Wollan. 2,481,964, Sept. 13.
 Fastener: See—
 Belt or strap fastener. Rail fastener.
 Button fastener. Resilient jaw type fastener.
 Clasp attached necktie fastener. Roofing fastener.
 Closure fastener. Screw fastener.
 Concrete form board fastener. Separable fastener.
 Cord fastener. Self-locking separable fastener.
 Cowl fastener. Shear carrying fastener.
 Door fastener. Shoe fastener.
 Envelope snap fastener. Slide fastener.
 Flexible belt fastener. Sliding and swinging hooked end fastener.
 Garment fastener. Sliding bolt fastener.
 Hair braid fastener. Sliding fastener.
 Hair fastener. Staked fastener.
 License plate fastener. Strap fastener.
 Lid fastener. Tool handle fastener.
 Magnetic closure fastener. V-belt fastener.
 Magnetic fastener. Window fastener.
 Paper fastener.
 Portable door fastener.
 Pressure cooker cover fastener.
 Fastener. H. E. Diaper. 2,472,651, June 7.
 Fastener. W. J. Dillenz. 2,459,020, Jan. 11.
 Fastener. G. F. Dixon. 2,492,559, Dec. 27.
 Fastener. W. Dzus. 2,470,844, May 17.
 Fastener. W. Dzus. 2,474,799, June 28.
 Fastener. C. W. Finney. 2,464,924, Mar. 22.
 Fastener. O. J. Hulster. 2,486,411-12, Nov. 1.
 Fastener. R. Karvis. 2,487,811, Nov. 15.
 Fastener. J. T. King. 2,466,953, Apr. 12.
 Fastener. J. T. King. 2,466,955, Apr. 12.
 Fastener. M. Kostubanic, Jr. 2,463,700, Mar. 8.
 Fastener. A. Kremer. 2,463,185, Mar. 1.
 Fastener. C. D. Overly. 2,481,777, Sept. 13.
 Fastener. C. T. Torresen. 2,488,103, Nov. 15.
 Fastener. D. H. Waara. 2,460,722, Feb. 1.
 Fastener. S. Weiss. 2,487,084, Nov. 8.
 Fastener. E. M. Whalen. 2,463,731, Mar. 8.
 Fastener and stretcher for carpeting and the like, Combined. R. W. Maxwell. 2,487,571, Nov. 8.
 Fastener applying implement. J. D. Cray. 2,475,013, July 5.
 Fastener assembly. Three-side lock snap. W. I. Jones. 2,467,315, Apr. 12.
 Fastener assembly for liquefied gas cylinders, Plug. C. F. Sievers. 2,479,785, Aug. 23.
 Fastener attaching machine. S. L. Gookin. 2,460,930, Feb. 8.
 Fastener, brace, and caster support, Bed. J. H. B. Herts. 2,458,595, Jan. 11.
 Fastener device, Cowl. F. E. Johnson. 2,491,451, Dec. 13.
 Fastener device for picture frames. S. Brecher. 2,489,477, Nov. 29.
 Fastener feeding and securing apparatus. J. S. Stull. 2,471,793, May 31.
 Fastener for attaching container backs or covers. W. H. Churchill. 2,485,189, Oct. 18.
 Fastener for pens and the like, Pocket. C. F. Norlin. 2,481,774, Sept. 13.
 Fastener for tumbling barrels, Closure. R. E. Gogema. 2,474,461, June 28.
 Fastener for window screens and storm sashes. L. C. MacDonald. 2,471,159, May 24.
 Fastener for window screens, storm windows, and the like. H. C. Davis. 2,490,018, Dec. 6.
 Fastener for wooden beds, Rail. H. Silverman. 2,483,067, Sept. 27.
 Fastener member, Self-locking mountable. E. A. Miller. 2,481,325, Sept. 6.
 Fastener of the paper-fastener type, Spreader. H. Derman. 2,480,323, Aug. 30.
 Fastener operating means. P. A. Siple. 2,491,524, Dec. 20.
 Fastener spring receptacle. A. Venditty. 2,464,422, Mar. 15.
 Fastener structure. C. E. Nicolet. 2,485,010, Oct. 18.
 Fastener stud, Cowl. R. W. Luce. 2,478,972, Aug. 16.
 Fastener stud retaining means. C. J. Rowe. 2,463,564, Mar. 8.
 Fastener unit, Chest. F. Jacobs. 2,490,814, Dec. 13.
 Fastener unit. D. A. Webster. 2,482,391, Sept. 20.
 Fasteners for Venetian blind, Tape. J. L. Hunter. 2,491,181, Dec. 13.
 Fasteners, Making separable. M. Winterhalter. 2,463,840, Mar. 8.
 Fasteners, Making sliding clasp. E. Engel. 2,490,863, Dec. 13.
 Fasteners, Manufacturing slide. M. Voity. 2,480,061, Aug. 23.
 Fasteners, Producing double-action separable. L. H. Morin. 2,489,718, Nov. 29.
 Fastening. D. K. Macleod. 2,461,648, Feb. 15.
 Fastening brackets to walls. J. Bozoti. 2,490,854, Dec. 13.
 Fastening construction. L. H. Flora. 2,486,557, Nov. 1.
 Fastening construction. G. A. Tinnerman and L. H. Flora. 2,467,604, Apr. 19.
 Fastening device. R. J. Barry. 2,467,877, Apr. 19.
 Fastening device. A. E. Rubser, Jr. 2,477,575, Aug. 2.
 Fastening device. H. A. Flogaus. 2,470,924, May 24.
 Fastening device. W. W. Gardner. 2,486,593, Nov. 1.
 Fastening device. E. M. Green. 2,487,330, Nov. 8.
 Fastening device. R. L. Hallock. 2,477,178, July 26.
 Fastening device. R. M. Storer. 2,462,141, Feb. 22.
 Fastening device. G. A. Tinnerman. 2,464,620, Mar. 15.
 Fastening device. G. A. Tinnerman. 2,475,172, June 21.
 Fastening device. F. von Opel. 2,476,339, July 19.
 Fastening device. V. F. Zahodlak. 2,487,916, Nov. 15.
 Fastening device, Bone. W. Dzus. 2,489,870, Nov. 29.
 Fastening device for bracelets and wristbands. M. Heller. 2,491,977, Dec. 20.
 Fastening device for pump impellers. S. H. Weaver. 2,482,229, Sept. 20.
 Fastening device for the waistband of trousers and the like. R. H. Reiss and P. R. T. Hahn. 2,486,681, Nov. 1.
 Fastening device, Waterproof. P. A. Siple. 2,460,853, Feb. 8.
 Fastening for cupboard, cabinet or other like doors. G. W. Lacon. 2,486,036, Oct. 25.
 Fastening for handbags. H. Davies. 2,489,622, Nov. 29.
 Fastening-inserting machine. F. C. Eastman and P. E. Burby. 2,490,901, Dec. 13.
 Fastening means. B. D. Eaton. 2,466,013, Apr. 5.
 Fastening means. W. C. Hale, Jr. 2,470,927, May 24.
 Fastening means. J. E. McCloskey. 2,475,042, July 5.
 Fastening means for camera covers. J. A. Henne. 2,474,397, June 28.
 Fastening means for direct lift waste fittings or the like. C. R. Stone. 2,461,354, Feb. 8.
 Fastening means for trousers and other garments. M. M. Isaacs. 2,474,629, June 28.
 Fastening means for wood ties, Rail. J. K. Wedgworth. 2,462,582, Feb. 22.
 Fastening means, Table leg. A. J. Sheonberg. 2,485,784, Oct. 25.
 Fastening of wires to commutators for electric motors. R. Avigdor. 2,476,795, July 19.
 Fastening, Plastic. P. C. Roche. 2,470,723, May 17.
 Fastenings for attaché cases and the like, Key locked. C. W. Cheney. 2,459,683, Jan. 18.
 Fat hydrolysis process and apparatus. A. C. Brown. 2,486,630, Nov. 1.
 Fat splitting, Continuous. M. H. Ittner. 2,458,170, Jan. 4.
 Fats and oils and making soap therefrom, Bleaching. L. F. Henderson and L. H. Libby. 2,483,414, Oct. 4.
 Fats and oils, Bleaching. L. F. Henderson and L. H. Libby. 2,483,413, Oct. 4.
 Fats and oils, Stabilized. J. Korner. 2,486,177, Oct. 25.
 Fatty acid compounds, Complexes of. H. M. Ullmann. 2,488,999, Nov. 22.
 Fatty acid condensation products of water-soluble thermoplastic amine resins. J. R. Dudley. 2,479,480, Aug. 16.
 Fatty acid esters, Manufacture of. W. R. Fish. 2,486,933, Nov. 1.
 Fatty acid separation. C. C. Towne. 2,459,054, Jan. 11.
 Fatty acids, Manufacture of. W. M. Leaders. 2,489,713, Nov. 29.
 Fatty materials, Stabilization of. L. O. Buxton and C. E. Dryden. 2,461,807, Feb. 15.
 Fatty oil acid glyceride-vinyl resin coating compositions. H. S. Rothrock and W. J. Wayne. 2,479,410, Aug. 16.
 Fatty oils, Treating. D. S. Bolley and E. C. Gallagher. 2,458,554, Jan. 11.
 Fatigue machine for testing materials subjected to alternated or repeated tensile stresses. R. L'Hermite. 2,467,677, Apr. 19.
 Fatigue-testing machine. M. Watter. 2,469,346, May 3.
 Faucet. S. L. De Lisa. 2,464,852, Mar. 22.
 Faucet and adjustable flow restrictor, Beverage. S. J. McClure. 2,461,909, Feb. 15.
 Faucet attachment. S. P. Benjamin, Jr. 2,476,079, July 12.
 Faucet, Beer. P. G. Larkin. 2,457,906, Jan. 4.
 Faucet, Mixing. C. V. Di Pietro. Re. 23,109, May 10.
 Faucet, Mixing. G. W. White. 2,467,065, Apr. 12.
 Faucet mixing valve. C. W. Bauberger. 2,490,728, Dec. 6.

- Feed and control mechanism, Yarn. M. E. Blake and R. A. Gartman. 2,476,274, July 19.
- Feed and delivery mechanism for printing presses. W. C. Rupp. 2,463,058, Mar. 1.
- Feed and discharge mechanism for container handling machines. F. W. Krueger. 2,484,101, Oct. 11.
- Feed and shutter interlock for roll film cameras, Film. G. A. Brueske. 2,475,126, July 5.
- Feed attachment, Carbon ribbon. D. B. Brewster. 2,485,254, Oct. 18.
- Feedback system. L. S. Nergaard. 2,471,535, May 31.
- Feed-back system for electronic tubes comprising hollow body resonators. D. H. Sloan. 2,459,593, Jan. 18.
- Feed belt, Machine gun ammunition. W. A. Schaich. 2,472,861, June 14.
- Feedbox, Magazine. J. B. Botten. 2,470,463, May 17.
- Feed, Cattle. C. W. A. and M. R. S. Kleine. 2,472,663, June 7.
- Feed control, Cloth. F. T. Miller. 2,482,497, Sept. 20.
- Feed control for gang saws. J. Wagner. 2,478,957, Aug. 16.
- Feed control for stone cutting machines. W. H. Hunt and G. L. Ritchie. 2,491,047, Dec. 13.
- Feed control means, Traverse. H. T. Tornberg. 2,461,855, Feb. 15.
- Feed control, particularly for the ink feed of printing presses, Liquid. C. S. Crafts. 2,459,922, Jan. 25.
- Feed control, Pencil vending machine. C. B. Alexander. 2,468,649, Apr. 26.
- Feed control system. G. E. King. 2,486,295, Oct. 25.
- Feed control, Web. E. R. Sabel and F. I. Galbrecht. 2,475,722, July 12.
- Feed device. G. A. Dunn. 2,468,255, Apr. 26.
- Feed device for automatic firearms, Cartridge. H. Lippert. 2,484,104, Oct. 11.
- Feed device for mills for milling grain. J. A. Erickson. 2,475,381, July 5.
- Feed device for paper sheets, Bottom. R. C. Sporleder. 2,468,842, May 3.
- Feed for accounting machines, Paper. J. M. McDonnell. 2,476,449, July 19.
- Feed for drilling apparatus, Variable. R. A. McCallum. 2,477,701, Aug. 2.
- Feed for gas lifts, Pneumatic. C. M. O'Leary. 2,489,665, Nov. 29.
- Feed for magnetic recorders, Wire. I. A. Stone. 2,467,507, Apr. 19.
- Feed for tampons and the like, Automatic string sewing machine. J. R. McLaughlin. 2,476,752, July 19.
- Feed for writing machines, Paper. L. F. Hageman. 2,482,108, Sept. 20.
- Feed for young fowl and preparing and using same. M. E. McGaha. 2,486,426, Nov. 1.
- Feed helix. C. L. and J. J. Willard. 2,492,249, Dec. 27.
- Feed hopper, Dry mash. D. M. Smucker. 2,485,173, Oct. 18.
- Feed line machine. T. M. Knight and D. A. McBee. 2,473,529, June 21.
- Feed means for grinders, Tiltable. W. P. Gruendler. 2,491,661, Dec. 20.
- Feed mechanism, Automatic lathe. H. J. Siekmann and H. C. Kemper. 2,489,203, Nov. 22.
- Feed mechanism for accounting machines, Paper. J. Mueller and J. M. McDonnell. 2,468,341, Apr. 26.
- Feed mechanism for acetylene generators, Carbide. H. Hooper. 2,480,292, Aug. 30.
- Feed mechanism for batteries of acetylene generators, Carbide. H. Hooper. 2,457,894, Jan. 4.
- Feed mechanism for cartridge belts. G. C. Gentry and R. J. Lennon. 2,466,697, Apr. 12.
- Feed mechanism for fastener setting machines. J. P. Treiokas. 2,477,100, July 26.
- Feed mechanism for grinding machines, Automatic. I. J. Gruenberg and R. H. Mustonen. 2,487,704, Nov. 8.
- Feed mechanism for sound film. A. E. Mynard. 2,463,411, Mar. 1.
- Feed mechanism for stapling machines. W. G. Pankonin. 2,469,985, May 10.
- Feed mechanism for stone cutting machines. K. J. Hillquist. 2,460,386, Feb. 1.
- Feed mechanism for wire bound box blank machines. D. G. Kingsley. 2,464,691, Mar. 15.
- Feed mechanism, Grain drill. W. A. Hyland. 2,457,900, Jan. 4.
- Feed mechanism, Grinding wheel. H. E. Balsiger and R. E. Price. 2,486,244, Oct. 25.
- Feed mechanism, Milling machine. R. K. Le Blond and H. C. Kemper. 2,473,596, June 21.
- Feed mechanism of the reciprocating type, Intermittent strip. B. Stechbart. 2,489,829, Nov. 29.
- Feed roll assembly. A. E. Winslow. 2,477,106, July 26.
- Feed system for spray type oil burners, Fuel. R. K. Witherell. 2,484,920, Oct. 18.
- Feed table and front guide adjustment. H. E. Peyrebrune and A. Wormser. 2,474,983, July 5.
- Feeder: See—
- Bee feeder. Pipe cleaning power cable feeder.
- Catalyst feeder. Poultry feeder.
- Chicken feeder. Reversible shell feeder.
- Gun with reciprocable breech block and rotary feeder. Stock feeder.
- Hog feeder. Transparent bird feeder.
- Mechanical candle feeder. Trip feeder.
- Feeder. S. E. Keagle. 2,485,832, Oct. 25.
- Feeder and positioner, Automatic. T. M. Kane. 2,482,916, Sept. 27.
- Feeder circuit from a power circuit, Disconnecting a faulted. F. W. Gay. 2,472,657, June 7.
- Feeder for hat formers, Auxiliary. H. F. Fitch. 2,469,161, May 3.
- Feeder for hay balers. B. L. Nikkel. 2,487,938, Nov. 15.
- Feeder for pulverant material with a vertically reciprocable belt conveyer. W. J. Hughes. 2,490,439, Dec. 6.
- Feeder mechanism for circular knitting machines. R. Peberdy. 2,477,495, July 26.
- Feeding adsorbent materials to streams of liquid hydrocarbons, Method and apparatus for. D. B. Banks. 2,472,459, July 7.
- Feeding and inking mechanism for typewriting machines, Ribbon. J. L. Petz. 2,475,336, July 5.
- Feeding and steam discharge arrangement for combustion chambers, Fuel and water. R. H. Goddard. 2,487,435, Nov. 8.
- Feeding apparatus. E. V. Francis. 2,481,101, Sept. 6.
- Feeding apparatus. A. G. Sherman. 2,489,594, Nov. 29.
- Feeding apparatus for alimentary paste die. C. Ambrette. 2,481,274, Sept. 6.
- Feeding apparatus for straightening machines. D. J. Perdue. 2,484,729, Oct. 11.
- Feeding apparatus for yarn or the like. R. Vin. 2,471,362, May 24.
- Feeding apparatus having rotatable cylinder with vanes arranged for free engagement connection with auxiliary drum. H. H. Holly. 2,491,179, Dec. 13.
- Feeding attachment, Button. W. R. McDaniel. 2,487,352, Nov. 8.
- Feeding attachment for button-hole and snap fastener machines, Automatic. G. D. and L. W. Jones. 2,465,232, Mar. 22.
- Feeding attachment for polishing lathes. V. C. Craig and W. L. McClennen. 2,466,082, Apr. 5.
- Feeding batch materials, Method of and apparatus for. G. W. Batchell. 2,479,805, Aug. 23.
- Feeding composition, Poultry. C. W. Sondern. 2,485,669, Oct. 25.
- Feeding device, Film. V. E. Pratt and G. F. Gray. 2,487,476, Nov. 8.
- Feeding device for centrifugal casting machines. J. A. Cavallier. 2,489,479, Nov. 29.
- Feeding device for cloth, Automatic. J. Dungler. 2,484,020, Oct. 11.
- Feeding device, Liquid. R. H. Goddard. 2,482,260, Sept. 20.
- Feeding device, Step-by-step. J. Haller. 2,467,740, Apr. 19.
- Feeding fluids to cutting tools. H. E. Smith. 2,478,846, Aug. 9.
- Feeding high-frequency electric currents to the electrodes of dielectric heating apparatus. J. C. Quayle and P. Jones. 2,469,990, May 10.
- Feeding machine, Check. P. J. Clark. Re. 23,181, Dec. 13.
- Feeding means, Can end. F. Kastel. 2,491,268, Dec. 13.
- Feeding mechanism. H. E. Dickerman. 2,460,340, Feb. 1.
- Feeding mechanism, Auxiliary paper. E. J. Janke. 2,492,577, Dec. 27.
- Feeding mechanism, Blank. F. Hunter. 2,486,415, Nov. 1.
- Feeding mechanism, Can and cover. F. Hunter. 2,484,830, Oct. 18.
- Feeding mechanism, Can end. W. H. Morgan. 2,479,955, Aug. 23.
- Feeding mechanism for lighters, Pyrophoric element. A. Campos. 2,473,636, June 21.
- Feeding mechanism for regulating the rate of feed of material from rotary supply drums or the like to wire-coiling and like machines. W. Swift. 2,491,228, Dec. 13.
- Feeding mechanism for seed separators. W. A. Rice. 2,458,201, Jan. 4.
- Feeding mechanism for stokers, Fuel. R. E. Bressler. 2,484,929, Oct. 18.
- Feeding mechanism, Grinding wheel. C. G. Flygare and H. L. Swainey. 2,460,737, Feb. 1.
- Feeding mechanism, Spreader stoker fuel. D. J. Mosshart and J. S. Herwick. 2,486,570, Nov. 1.
- Feeding mechanism with slidably and pivotally mounted gripper arms, Envelope. A. R. Smith, G. A. Lee, and C. J. Hopkins. 2,486,069, Oct. 25.
- Feeding mechanisms for material working machines, Method of and apparatus for setting. C. Stackawicz. 2,488,610, Nov. 22.
- Feeding strips, Method and apparatus for. F. K. Scheffe. 2,464,464, Mar. 15.
- Feeding system for liquid fuel burners having means for disposing of fuel vapors, Fuel. L. A. Williams, Jr. 2,458,042, Jan. 4.
- Feed means for pressure fluid follow-up servomotor. C. R. Churn. 2,488,173, Nov. 15.
- Feeler holder. R. Fortune. 2,463,760, Mar. 8.
- Feldspar-iron-alkali fischer-tropsch catalyst and its preparation. A. H. Friedman and J. N. Moran. 2,488,530, Nov. 22.
- Felt hardening machine. H. M. Goodchild. 2,479,228, Aug. 16.
- Feltlike products. C. S. Francis, Jr. 2,459,803, Jan. 25.
- Felted rock wool, Method and apparatus for the production of. C. D. Richardson. 2,481,949, Sept. 13.

- Felted structures, Shaped. C. S. Francis, Jr. 2,459,804, Jan. 25.
- Fence. F. Kouril, Jr. 2,484,413, Oct. 11.
- Fence charger, Electric. R. F. Kneisley. 2,465,234, Mar. 22.
- Fence charging apparatus, Electrical. W. F. Fagen. 2,475,883, July 12.
- Fence charging circuit. L. A. Woolley. 2,471,993, May 31.
- Fence construction. L. D. Obert. 2,460,028, Jan. 25.
- Fence construction, Swinging saw. H. V. Schwandt. 2,483,326, Sept. 27.
- Fence post, Electric. B. Grob. 2,471,682, May 31.
- Fence post, Electric. R. M. Wilson and G. F. Philipps. 2,468,907, May 3.
- Fence wire assembling and stretching tool. J. B. Glaskin. 2,483,193, Sept. 27.
- Fender construction, Automobile. L. Colaner, Sr. 2,491,800, Dec. 20.
- Fender construction, Rear. T. W. Stephenson and C. W. Bugbee. 2,474,992, July 5.
- Fender device for cars and buses, Safety. F. W. O'Connor. 2,463,300, Mar. 1.
- Fender door lock. H. M. Steele. 2,469,283, May 3.
- Fender guard, Cycle. G. A. Willey. 2,464,955, Mar. 22.
- Fender, Heel. J. T. Redinger. 2,487,477, Nov. 8.
- Fender protector. B. B. Peatross. 2,460,394, Feb. 1.
- Fender, Ship. Z. B. Wasson. 2,460,913, Feb. 8.
- Fender skirt. R. C. Hessler. 2,460,349, Feb. 1.
- Fender, Tractor. L. M. Brigham. 2,487,217, Nov. 8.
- Fender welt clip. A. H. Burski. 2,483,622, Oct. 4.
- Fermentable materials, Treating. G. T. Reich. 2,464,611, Mar. 15.
- Fermentation. J. W. Foster. 2,458,495, Jan. 11.
- Fermentation of acid hydrolyzed carbohydrate mash, Microbial. S. S. Block. 2,474,139, June 21.
- Fermentation process. L. B. Schweiger and R. L. Snell. 2,476,159, July 12.
- Fermentation process. H. M. Tsuchiya, J. M. van Lenen, and A. F. Langlykke. 2,481,263, Sept. 6.
- Ferro-alloys, Making. L. G. Pritz. 2,461,442, Feb. 8.
- Ferrochromium. H. de W. Erasmus. 2,473,020, June 14.
- Ferrochromium, Production of. H. de W. Erasmus. 2,473,019, June 14.
- Ferrochromium, Production of low carbon. H. R. Spindel, Jr., and H. D. Erasmus. 2,473,021, June 14.
- Ferro-ferric oxide-alkali metal ferrate catalyst and its preparation. M. A. Mosesman. 2,470,786, May 24.
- Ferro-ferric oxide-alkali metal pyroantimonate catalyst and preparation. M. A. Mosesman. 2,465,316, Mar. 22.
- Ferro-ferric oxide-alkali metal tri-oxalato ferrate catalyst and preparation. J. C. Schiller. 2,465,279, Mar. 22.
- Ferro magnetic variable high-frequency inductors. W. J. Polydoroff. 2,462,423, Feb. 22.
- Ferronickel, Production of. G. W. Pawel. 2,468,103, Apr. 26.
- Ferrous alloy. A. T. Cape. 2,463,948, Mar. 8.
- Ferrous sulfate pretreatment in emulsion polymerization of conjugated diolefins. W. W. Crouch and J. E. Fritchard. 2,471,938, May 31.
- Ferrule for welding studs. A. M. Candy. 2,485,357, Oct. 18.
- Fertilizer apparatus, Liquid. R. O. Lewis. 2,461,067, Feb. 8.
- Festoon bracket. J. H. Boye. 2,470,233, May 17.
- Fiber, Artificial. J. W. Hall and A. W. Hunter. 2,476,293, July 19.
- Fiberboard shipping container. S. B. De Mian. 2,465,324, Mar. 22.
- Fiber from proteins contained in cottonseed, Manufacturing artificial. J. C. Arthur, Jr., M. L. Karon, A. F. Pomes, and A. M. Altschul. 2,462,933, Mar. 1.
- Fibers and apparatus therefor, Treatment of synthetic. G. H. Brown and C. N. Hoyer. 2,460,566, Feb. 1.
- Fibers and fibrous articles produced thereby, Producing silica. L. Parker and A. Cole. 2,491,761, Dec. 20.
- Fibers and yarns, Preparing. R. E. Montonna, L. H. Reyerson, and E. Amdur. 2,468,771, May 3.
- Fibers, Manufacture of. J. A. Calhoun, Jr. 2,484,012, Oct. 11.
- Fibers, Manufacture of artificial. M. A. Dietrich. 2,467,196, Apr. 12.
- Fibers, Producing. A. L. Simison. 2,482,071, Sept. 13.
- Fibrin foam. E. A. Bering, Jr. 2,492,458, Dec. 27.
- Fibrous articles, Impregnating. R. H. von Liedtke. 2,478,439, Aug. 9.
- Fibrous conduit and method and composition for same. R. G. Coker and A. Woods, Jr. 2,478,181, Aug. 9.
- Fibrous laminate, Manufacture of inorganic. W. W. Pedersen. 2,492,498, Dec. 27.
- Fibrous material and the product, Producing. G. and G. Heberlein, E. Weiss, T. Odlinga, and K. Risch. 2,463,618, Mar. 8.
- Fibrous material, Drying. W. A. Sisson. 2,459,345, Jan. 18.
- Fibrous materials containing ethylene diamine dihydrobromide, Fire-resistant organic. A. J. Wesson and H. C. Olpin. 2,464,360, Mar. 15.
- Fibrous materials, Manufacture of waterproof and water-repellent noninflammable. F. F. Pollak and J. Fassel. 2,464,342, Mar. 15.
- Fibrous materials, Process and apparatus for producing. C. S. Francis, Jr. 2,483,408, Oct. 4.
- Fibrous product, Making a. C. S. Francis, Jr. 2,483,404, Oct. 4.
- Fibrous products and textiles produced therewith. C. S. Francis, Jr. 2,483,405, Oct. 4.
- Fibrous shape and making same, Bonded. J. H. Ferguson. 2,465,858, Mar. 29.
- Fibrous sheets and making same, Absorbent. R. B. Seymour and G. M. Schroder. 2,486,803, Nov. 1.
- Fibrous sheets formed from an aqueous suspension of a mixture of fibers and butadiene-styrene copolymer. A. F. Owen. 2,474,801, June 28.
- Field apparatus for egg pasteurization, High-frequency electrostatic. W. M. Urbain, and P. Schauert. 2,473,041, June 14.
- Field box. R. A. Fender. 2,483,269, Sept. 27.
- Field defining attachment for cameras. W. S. Hencke and C. H. Sand. 2,466,171, Apr. 5.
- Field desk and file cabinet, Invertible. F. T. Paden. 2,480,876, Sept. 6.
- Fieldglass and protective cover therefor. S. Glauser. 2,481,409, Sept. 6.
- Field heating to produce uniform welds in a stack of organic thermoplastic films, High-frequency electric. C. R. Irons. 2,467,133, Apr. 12.
- Field mechanism for view finders, Variable. M. E. Brown. 2,475,942, July 12.
- Fifth wheel. E. P. Kinne. 2,459,772, Jan. 18.
- Fifth-wheel construction for service line couplings. A. H. Kirksey. 2,480,483, Aug. 30.
- Fifth-wheel mounting. F. H. Kayler. 2,468,013, Apr. 19.
- Fifth wheel structure. T. Weber. 2,468,419, Apr. 26.
- Figure, Animated. R. E. and D. Lareau. 2,476,742, July 19.
- Figure, Articulate. F. L. Treuting. 2,459,100, Jan. 11.
- Figure, Display. J. H. Wilken. 2,468,476, Apr. 26.
- Figure novelty. U. Schneider. 2,486,989, Nov. 1.
- Figure, Spring supported. G. Anderson. 2,464,665, Mar. 15.
- Filament and making same, Electrical impedance. A. C. Ruge. 2,470,051, May 10.
- Filament structure for thermionic tubes. H. Bender and W. B. Voorhis. 2,482,826, Sept. 27.
- Filament voltage supply. J. F. Marshall. 2,466,250, Apr. 5.
- Filament yarn, Making continuous. C. R. Dolmetsch. 2,462,950, Mar. 1.
- Filamentary reaction products of rubbery polymers with sulfur dioxide, Producing. G. E. Rumscheidt and W. L. Johannes de Nie. 2,469,847, May 10.
- Filamentous structures, Making lightweight. R. J. Taylor. 2,461,094, Feb. 8.
- Filaments and yarn, Artificial. R. Woodell. 2,462,927, Mar. 1.
- Filaments of cellulose hydrate rayon, Process and apparatus for producing wool-like. J. Stockly. 2,477,909, Aug. 2.
- Filaments of plasticized lower fatty acid esters of cellulose. A. F. Caprio and W. Horback. 2,460,377, Feb. 1.
- Filaments, Production of extremely thin. F. G. Brockman and J. W. Wescott, 2d. 2,469,947, May 10.
- File. E. B. Le Fevre. 2,460,513, Feb. 1.
- File and instant locator, Daily sales book. V. D. McBryer. 2,485,210, Oct. 18.
- File, Card index. A. G. and N. H. Lundqvist. 2,470,824, May 24.
- File handle. A. Gasparich. 2,475,608, July 12.
- File, Nail. E. P. Norman. 2,490,647, Dec. 6.
- File, Paper. W. A. Anderson. 2,469,540, May 10.
- File, Vertical. A. M. Martin. 2,459,385, Jan. 18.
- Filing and file selecting mechanism. S. Gorad and P. F. Jacobs. 2,492,796, Dec. 27.
- Filing device. R. J. Ambler. 2,468,355, Apr. 26.
- Filing device. R. L. Heckert. 2,483,046, Sept. 27.
- Filing device. A. S. Karper. 2,479,167, Aug. 16.
- Filing device. H. A. Wardy. 2,485,519, Oct. 18.
- Filing device, Saw. W. L. La Clair. 2,485,389, Oct. 18.
- Filing equipment, Card. G. C. Bruen. 2,472,567, June 7.
- Filing equipment, Card. G. C. Bruen. 2,477,786, Aug. 2.
- Filing equipment, Card. G. C. Bruen. 2,480,444-5, Aug. 30.
- Filing equipment, Card. G. C. Bruen. 2,486,820, Nov. 1.
- Filing machine, Saw. A. R. Roderick. 2,462,225, Feb. 22.
- Filing mechanism, Motor-driven. W. Turkowski. 2,488,998, Nov. 22.
- Filing receptacle. J. Govan. 2,491,040, Dec. 13.
- Filing system, Phonograph record. R. Avigdor. 2,482,572, Sept. 20.
- Filler and grain blower, Silo. C. W. Hansen. 2,488,626, Nov. 22.
- Filler, Receptacle. H. C. Haffner. 2,486,743, Nov. 1.
- Filler retaining device for binder covers. J. C. Miller. 2,488,823, Nov. 22.
- Filler spout for roadable airplanes, Fuel tank. R. E. Fulton, Jr., and O. J. Alvarez. 2,474,974, July 5.
- Filler valve. G. L. N. Meyer. 2,467,683, Apr. 19.
- Filler valve. G. L. N. Meyer and H. F. Stock. 2,467,684, Apr. 19.
- Filling and ejecting apparatus, Mold. F. L. Cantrall and J. A. Carlisle. 2,459,680, Jan. 18.
- Filling and vent valve. C. and M. Berg. 2,480,437, Aug. 30.
- Filling catcher. C. E. Pelletier. 2,482,363, Sept. 20.
- Filling device, Weight controlled container. W. D. Hooper. 2,489,776, Nov. 29.

- Filling device with receptacle operated outlet valve. J. Sanchis. 2,469,746, May 10.
- Filling machine. J. Bousquet. 2,486,461, Nov. 1.
- Filling machine. F. J. Cozzoli. 2,492,555, Dec. 27.
- Filling machine. M. Goldberg. 2,488,395, Nov. 15.
- Filling machine for gas mask canisters. S. M. Jessop. 2,468,076, Apr. 26.
- Filling machine having reticulated drums for filling fabric containers with fibrous material. M. Goldberg. 2,488,394, Nov. 15.
- Filling machine, Shoe bottom. C. M. Bagshaw, F. C. Choice, and J. W. Pratt. 2,465,417, Mar. 29.
- Filling stop motion for looms, Electric. V. F. Sepavich. 2,482,943, Sept. 27.
- Filling system, Thermometer. L. Gess. 2,475,817, July 5.
- Filling tube. H. and R. Bentley. 2,466,075-6, Apr. 5.
- Filleting machine, Fish. C. M. Savdra. 2,478,713, Aug. 9.
- Film advancing and flash control means, Phototograph. C. W. Harrold and H. A. Pritchard. 2,475,497, July 5.
- Film and picture projecting device, Flashlight. M. Stein and L. Begun. 2,478,336, Aug. 9.
- Film and shutter wind, Stereocamera. A. J. Bachelder. 2,476,576, July 19.
- Film carrier having overlying optical density wedge for sensitometers, Rotating. B. C. Roehrl. 2,464,892, Mar. 22.
- Film cartridge for exposing and developing. G. S. Stratton. 2,487,680, Nov. 8.
- Film casting compositions and making same. A. E. Young and E. K. Stilbert. 2,492,124, Dec. 20.
- Film cinematograph apparatus, Continuous. A. Becote. 2,465,835, Mar. 29.
- Film cutter. J. K. Holbrook. 2,465,453, Mar. 29.
- Film, Developer-roll. W. H. Richards. 2,480,880, Sept. 6.
- Film developing apparatus, Portable. W. F. Packard. 2,491,620, Dec. 20.
- Film developing holder. R. J. Schweibinz. 2,468,411, Apr. 26.
- Film developing machine. M. N. Janapol and M. S. Gould. 2,491,981, Dec. 20.
- Film driving device, Intermittent claw type. A. Heurtier. 2,481,115, Sept. 6.
- Film editing system, Motion-picture continuous. B. F. Wheeler. 2,473,625, June 21.
- Film elements, Photographic. F. P. Alles and W. R. Saner. 2,491,023, Dec. 13.
- Film fastening reel. L. G. Bates. 2,467,607, Apr. 19.
- Film feed, Intermittent. C. W. Dyer. 2,486,393, Nov. 1.
- Film feeding device, Intermittent. J. J. Kuehn. 2,475,622, July 12.
- Film gate. O. R. Nemeth. 2,457,913, Jan. 4.
- Film gate. O. R. Nemeth. 2,457,915, Jan. 4.
- Film gate assembly for picture projection apparatus, Removable. J. J. Kuehn. 2,477,624, Aug. 2.
- Film gauge. C. W. Morse and H. C. Deichert. 2,470,513, May 17.
- Film guiding and positioning device. C. H. Jacobson. 2,464,180, Mar. 8.
- Film-handling apparatus and film reader projector. R. S. Hopkins. 2,481,668, Sept. 13.
- Film handling apparatus and magazine for use therewith. W. D. Foster. 2,462,083, Feb. 22.
- Film holder. M. A. Bilofsky. 2,462,713, Feb. 22.
- Film holder. J. A. Reyniers. 2,487,982, Nov. 15.
- Film holder. O. E. Wolff. 2,472,358, June 7.
- Film holder. C. Young. 2,465,777, Mar. 29.
- Film holder adaptor construction. J. Shesnak. 2,464,725, Mar. 15.
- Film-holder for self-developing cameras. O. E. Wolff. 2,483,389, Oct. 4.
- Film holder, Self-developing. M. T. Gannon. 2,483,390, Oct. 4.
- Film identifying and punching device. M. E. Collins. 2,470,291, May 17.
- Film illuminator and magnifying viewer, Motion-picture. C. L. Monson. 2,475,798, July 12.
- Film magazine. R. J. Stava. 2,462,687, Feb. 22.
- Film magazine. H. L. Williams. 2,466,524, Apr. 5.
- Film magazine, Camera cut. A. F. Gallistel, Jr. 2,483,578, Oct. 4.
- Film magazine for miniature cameras, Disposable roll. C. Schwartz. 2,477,904, Aug. 2.
- Film magazine for motion-picture projection. J. S. Chemel. 2,464,965, Mar. 22.
- Film mechanism, Motion-picture. E. Boecking. 2,468,025, Apr. 26.
- Film movements having film registration, Intermittent. G. W. Jonson. 2,475,099, July 5.
- Film, Multilayer low light reflecting. R. A. Gaiser. 2,478,385, Aug. 9.
- Film of copolymer of vinylidene chloride and vinyl chloride. L. E. Cheyney. 2,459,125, Jan. 11.
- Film of styrene-isobutylene copolymer, Self-supporting. W. J. Sparks and D. W. Young. 2,491,525, Dec. 20.
- Film processing machine. G. M. Dye, R. B. Maddock, R. Sardeson, and E. H. Savelle. 2,459,509, Jan. 18.
- Film processing unit. B. E. Luboshez. 2,458,394, Jan. 4.
- Film processing unit, Safe-handling. B. E. Luboshez. 2,475,973, July 12.
- Film processor. V. E. Pratt and G. F. Gray. 2,480,767, Aug. 30.
- Film processor having means for retaining a film loop at constant length in a U-shaped conduit. V. E. Pratt and G. F. Gray. 2,488,141, Nov. 15.
- Film projection with synchronized discharge lamp, Television. D. E. Norgaard. 2,483,149, Sept. 27.
- Film rack. A. J. Ginsberg. 2,459,699, Jan. 11.
- Film record selecting and projecting device. R. C. Duncan and R. M. Hicks. 2,464,220, Mar. 15.
- Film reel. M. López-Henriquez. 2,475,036-7, July 5.
- Film reel and film fastener. A. A. Spisak. 2,476,636, July 19.
- Film reel band. W. M. Vivian. 2,464,659, Mar. 15.
- Film reel construction. W. P. Lloyd. 2,468,767, May 3.
- Film, Rubber hydrochloride. L. E. Cheyney. 2,461,963, Feb. 15.
- Film, Sound motion-picture. P. F. Rossmann and K. Rath. 2,479,868, Aug. 23.
- Film splicer. L. Frankel. 2,457,995, Jan. 4.
- Film splicer, Motion-picture. G. Laube and W. A. Wooten. 2,486,040, Oct. 25.
- Film splicing device. W. H. Castay. 2,467,609, Apr. 19.
- Film sprocket clamp. V. H. Eisler and A. Weidner. 2,492,469, Dec. 27.
- Film strip and picture projecting device, Adjustable. A. A. Gradisar. 2,482,666, Sept. 20.
- Film supporting frame. D. L. Caldarulo. 2,460,871, Feb. 8.
- Film viewer with intermittent motion. H. Roisman. 2,490,920, Dec. 13.
- Film viewing device having pivotally connected lamp housing and reflector. L. M. Bolin. 2,486,914, Nov. 1.
- Films bearing designs, Producing. M. A. Chavannes. 2,486,258, Oct. 25.
- Films bearing designs, Producing. M. A. Chavannes and A. B. Sherry. 2,482,094, Sept. 20.
- Films, Making sound picture. K. Rath. 2,480,162, Aug. 30.
- Films, Making sound picture. P. F. Rossmann and K. Rath. 2,479,869, Aug. 23.
- Films, Making thin rubberlike. H. B. and R. O. Morris. 2,492,000, Dec. 20.
- Films, Method and apparatus for splicing. L. A. Herzog and M. Coan. 2,468,629, Apr. 26.
- Films of chromated proteins on zinc, Producing. A. Brenner, R. Seigmiller, and G. E. Riddell. 2,476,957, July 26.
- Films on glass surfaces, Producing low light reflecting. R. A. Gaiser and M. F. Schaible. 2,490,263, Dec. 6.
- Filter: See—
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| Adjustable multicolored light filter. | Mechanically cleanable filter. |
| Air filter. | Multiple frequency filter. |
| Blood filter. | Oil filter. |
| Coffee brewer filter. | Oil or liquid filter. |
| Coffee filter. | Piezoelectric crystal filter. |
| Continuous disk filter. | Radiation filter. |
| Continuous rotary drum filter. | Rotary drum filter. |
| Electric filter. | Rotary filter. |
| Fluid filter. | Self-cleaning filter. |
| Fuel oil filter. | Super high frequency filter. |
| Gas filter. | Lubricating oil filter. |
| Gasoline filter. | Liquid filter. |
| Line filter. | Water filter. |
- Filter. H. W. Bahlke. 2,463,137, Mar. 1.
- Filter. W. R. Becher. 2,464,843, Mar. 22.
- Filter. O. A. Becker. 2,481,489, Sept. 13.
- Filter. E. A. Butt, Jr. 2,477,404, July 26.
- Filter. W. W. Carrier. 2,480,320, Aug. 30.
- Filter. E. J. Decker. 2,463,954, Mar. 8.
- Filter. D. L. Ebert and G. E. Olson. 2,487,769, Nov. 8.
- Filter. C. J. Glanzner. 2,478,097, Aug. 2.
- Filter. E. G. Gunn. 2,475,833, July 12.
- Filter. W. W. Hallinan. 2,459,318, Jan. 18.
- Filter. W. W. Hallinan. 2,459,376, Jan. 18.
- Filter. C. F. Hasselwander. 2,464,036, Mar. 8.
- Filter. H. Hebo. 2,460,084, Jan. 25.
- Filter. W. F. Hoefler, Jr. 2,480,653, Aug. 30.
- Filter. L. H. Knipper. 2,490,443, Dec. 6.
- Filter. A. C. Kracklauer. 2,460,423, Feb. 1.
- Filter. L. R. Lentz. 2,492,704, Dec. 27.
- Filter. W. McCaskell. 2,459,082, Jan. 11.
- Filter. L. A. Pate. 2,463,800, Mar. 8.
- Filter. P. F. Pew. 2,468,603, Apr. 26.
- Filter. F. W. Strassheim. 2,480,518, Aug. 30.
- Filter. E. C. Walker. 2,457,958, Jan. 4.
- Filter. L. Wickenden. 2,470,203, May 17.
- Filter and cooler, Oil. W. S. Collier. 2,468,866, May 3.
- Filter and pump combination, Oil. C. P. Molyneux. 2,474,009, June 21.
- Filter and renewable cartridge, Oil. H. P. West. 2,463,929, Mar. 8.
- Filter apparatus for purifying fluids. L. G. Hendrickson. 2,480,732, Aug. 30.
- Filter assembly for television transmitting systems, Variable color. F. J. Somers. 2,478,598, Aug. 9.
- Filter cartridge package. C. J. Rohland. 2,466,999, Apr. 12.
- Filter comprising light polarizing area merging gradually with transparent nonpolarizing area, Glare reduction. R. A. Smith. 2,475,921, July 12.
- Filter construction. J. K. Brixius. 2,479,722, Aug. 23.
- Filter construction, Zigzag. O. H. Schaaf. 2,471,548, May 31.
- Filter element. J. B. Clark. 2,486,389, Nov. 1.
- Filter element. E. G. Smith and O. M. Cocchiarella. 2,489,682, Nov. 29.

- Filter element. F. W. Strassheim. 2,463,825, Mar. 8.
 Filter element, Liquid. G. M. Walton. 2,473,979, June 21.
 Filter element, Replaceable. R. D. Hill. 2,468,328, Apr. 26.
 Filter foils, Preparing light. V. H. Reckmeyer. 2,461,480, Feb. 8.
 Filter for air lines. M. Audibert. 2,490,502, Dec. 6.
 Filter for beverage brewing apparatus. E. J. Ruhnke and H. S. Perlman. 2,482,940, Sept. 27.
 Filter for cathode-ray tubes, Semitransparent reflecting. J. Kaplan, M. L. Kaplan, and S. Williams. 2,492,224, Dec. 27.
 Filter for coffee makers. L. Reichold. 2,476,158, July 12.
 Filter for coffee makers. L. Reichold. 2,483,104, Sept. 27.
 Filter for flash lamps. J. Dana. 2,465,068, Mar. 22.
 Filter for fluorescent screens. R. Aronstein. 2,461,464, Feb. 8.
 Filter leaf. A. Jacobowitz and E. A. Ulrich. 2,468,296, Apr. 26.
 Filter network and electromechanical transducer, Combined. G. Schenkel. 2,480,052, Aug. 23.
 Filter or cleaner. E. A. Stokes and R. G. S. Crawford. 2,466,503, Apr. 5.
 Filter or strainer for liquids. P. L. Boucher. 2,458,139, Jan. 4.
 Filter section, Multiple reactor. M. Morrison. 2,475,909, July 12.
 Filter system, Crystal. P. H. Craig. 2,463,249, Mar. 1.
 Filter system, Low-pass. G. L. Fredendall. 2,472,798, June 14.
 Filter underdrain. L. W. Bleker and W. J. Lewis. 2,458,673, Jan. 11.
 Filter unit, PI type resistance capacitance. M. Cohen and F. G. Webber. 2,464,376-7, Mar. 15.
 Filter units, Making. W. H. Browne and A. E. Pavlish. 2,476,582, July 19.
 Filter with resistive termination, including side branch chamber, Acoustic wave. W. P. Mason. 2,468,454, Apr. 26.
 Filtering and moisture separating device, Air. A. L. Semon. 2,467,408, Apr. 19.
 Filtering apparatus. A. Rey. 2,468,838, May 3.
 Filtering apparatus, Oil. E. R. Robertson. 2,473,727, June 21.
 Filtering device for clothes-washing machines. R. H. Colley. 2,481,979, Sept. 13.
 Filtering element, Fluid. S. W. Briggs. 2,468,862, May 3.
 Filtering process. L. Wickenden. 2,470,202, May 17.
 Filtering system. O. M. Summers. 2,482,302, Sept. 20.
 Filtering system, Electronic pulse. E. Labin and D. D. Grieg. 2,489,297, Nov. 29.
 Filtering system, Lubricant. G. E. Bullock. 2,473,701, June 21.
 Filters for current-circuits, Composite sequence. W. K. Sonnemann. 2,459,596, Jan. 18.
 Filters, Producing. J. Wulff. 2,462,045, Feb. 15.
 Filtration. H. O. Davidson. 2,469,293, May 3.
 Filtration apparatus. H. R. Abbrecht. 2,468,354, Apr. 26.
 Fin for heat exchanger tubes, Internal. H. F. Brinen. 2,480,706, Aug. 30.
 Fin, Laminated heat-exchange. R. G. Vanderweil. 2,477,839, Aug. 2.
 Finder for beet harvesters, Driven. J. W. Orendorff. 2,488,735, Nov. 22.
 Finder for cameras, Close-up. J. Strobel. 2,483,482, Oct. 4.
 Findings for ear ornaments, Making. G. A. Armstrong. 2,477,780, Aug. 2.
 Fine-grain developers. R. W. Henn and J. I. Crabtree. 2,466,423, Apr. 5.
 Finely divided materials, Preparing. M. Y. Seaton. 2,464,187, Mar. 8.
 Finger for feeding ticket strips, Adjustable feed. H. S. Owen. 2,483,227, Sept. 27.
 Fingernail protector. R. E. and V. R. Colby. 2,487,101, Nov. 8.
 Fingerprint machine. G. W. Jacoby, Jr. 2,485,737, Oct. 25.
 Finger-steadying device. J. T. Bransfield. 2,479,601, Aug. 23.
 Finished circumferentially surfaced lenses from lens stock, Making. W. J. Flett. 2,485,873, Oct. 25.
 Finishing device, Girdle. J. H. Spira. 2,484,253, Oct. 11.
 Finishing device, Surface. W. P. Hilger. 2,486,947, Nov. 1.
 Finishing machine and plane of weakness device for constructing pavements, Combination longitudinal mechanical. G. Kies. 2,486,422, Nov. 1.
 Finishing machine, Blade. H. T. Nicholas. 2,475,455, July 5.
 Finishing machine for molded pieces. R. F. Maxfield. 2,479,689, Aug. 23.
 Finishing machine, Shoe repair. S. Tavantzis. 2,475,925, July 12.
 Finishing means for furniture tops, Corner. A. J. E. Larson and C. L. Elofson. 2,486,854, Nov. 1.
 Finishing of pigments. W. H. Hoback, W. J. Cauwenberg, and W. R. Whatley. 2,479,836, Aug. 23.
 Finishing of plastic sheets, Surface. W. H. Hickok. 2,485,238, Oct. 18.
 Finishing polymers. W. A. Wurth and S. C. Lane. 2,472,037, May 31.
 Finishing roll cover. J. A. and R. D. Brock. 2,477,234, July 26.
 Finishing strip for plaster walls, Edge. G. R. Danielson. 2,483,888, Oct. 4.
 Finned tubing, Making integral external and internal. J. S. Rodgers. 2,463,997, Mar. 8.
 Fanning engine cylinders. W. M. Busse. 2,472,245, June 7.
 Fire alarm. I. O. Moberg. 2,470,711, May 17.
 Fire alarm. J. P. Villalobos. 2,479,528, Aug. 16.
 Fire alarm cable. F. M. Thomas. 2,483,793, Oct. 4.
 Fire alarm device. W. C. Messick. 2,483,657, Oct. 4.
 Fire alarm, Portable. T. Gogniat. 2,469,501, May 10.
 Fire alarm, Smoke actuated. W. J. Else. 2,468,740, May 3.
 Fire alarm switch. J. W. Albrecht. 2,469,024, May 3.
 Fire alarm system. P. Addorisio. 2,489,213, Nov. 22.
 Fire alarm system. W. B. M. Clark. 2,473,940, June 21.
 Fire alarm switch. J. E. Formanek. 2,488,281, Nov. 15.
 Fire alarm system. W. G. Holmes. 2,492,043, Dec. 20.
 Firearm. P. B. Rutherford and K. J. Lowe. 2,490,922, Dec. 13.
 Firearm and ammunition therefor, Recoilless. W. J. Kroeger and C. W. Musser. 2,466,714, Apr. 12.
 Firearm and ammunition therefor, Recoilless. W. J. Kroeger and C. W. Musser. 2,472,111, June 7.
 Firearm converted to full automatic, Semiautomatic. F. W. Sampson and P. H. Hamish. 2,465,487, Mar. 29.
 Firearm convertible to full automatic, Semiautomatic. H. H. Sefried, II. 2,479,419, Aug. 16.
 Firearm, Gas-operated. H. F. Mossberg. 2,464,409, Mar. 15.
 Firearm, Gas-operated self-loading. H. H. Sefried, II. 2,482,880, Sept. 27.
 Firearm, Gas-operated self-loading. C. G. Swebilus. 2,487,198, Nov. 8.
 Firearm, Self-loading recoil-operated. V. A. Browning. 2,465,196, Mar. 22.
 Firearm, Slide-action. F. L. Humeston. 2,476,196, July 12.
 Firearm with a breech bolt and breech bolt carrier, Recoiling barrel. E. H. Waltke, Jr. 2,481,548, Sept. 13.
 Firearms and other metal articles, Cleaning and lubricating. G. W. Sutherland. 2,464,730, Mar. 15.
 Firebox, Collapsible. C. P. Molla. 2,469,885, May 10.
 Fire control. H. K. Weiss. 2,460,863, Feb. 8.
 Fire control for semiautomatic firearms. F. F. Ruau. 2,465,272, Mar. 22.
 Fire-control means for semiautomatic firearms. T. R. Robinson, Jr. 2,492,814, Dec. 27.
 Fire control mechanism. K. Clark and K. O. Sisson. 2,467,967, Apr. 19.
 Fire control mechanism for automatic and semiautomatic firearms. H. H. Sefried, II. 2,464,418, May 15.
 Fire detecting apparatus. L. J. Dahline. 2,478,373, Aug. 9.
 Fire detecting cable. W. G. Holmes. 2,489,293, Nov. 29.
 Fire detecting device, Automatic. B. R. Townley. 2,478,514, Aug. 9.
 Fire detector, Electric. T. M. Dahm and M. F. George Jr. 2,487,526, Nov. 8.
 Fire escape. W. W. Yehling. 2,492,511, Dec. 27.
 Fire escape, Portable. J. E. Forster. 2,462,626, Feb. 22.
 Fire extinguisher. W. A. Beinke. 2,489,738, Nov. 29.
 Fire extinguisher. W. F. Kramer. 2,480,033, Aug. 23.
 Fire extinguisher. J. H. Stroop. 2,471,460, May 31.
 Fire extinguisher. J. E. Trainer and S. W. Alderfer. 2,459,743, Jan. 18.
 Fire extinguisher. F. A. Woodworth. 2,479,801, Aug. 23.
 Fire extinguisher. R. Zieschang. 2,472,506, June 7.
 Fire extinguisher, Automatically operable. W. L. Roessner. 2,470,371, May 17.
 Fire extinguisher, Dry chemical. W. E. Snowden. 2,473,349, June 14.
 Fire extinguisher for motion-picture projectors. D. C. Soper. 2,481,168, Sept. 6.
 Fire extinguishing system. C. A. Getz. 2,477,736, Aug. 2.
 Fire-fighting apparatus. N. A. Fitzgerald. 2,485,723, Oct. 25.
 Fireman's hook. E. A. Gosselin. 2,490,684, Dec. 6.
 Fireplace and bar, Combination. J. Casali. 2,486,517, Nov. 1.
 Fireplace and table, Combined. A. H. Gauss. 2,476,542, July 19.
 Fireplace, Outdoor. C. O. Larson. 2,482,068, Sept. 13.
 Fireplace screen. A. J. Arany. 2,483,608, Oct. 4.
 Fireplace screen. R. E. Boyden. 2,491,707, Dec. 20.
 Fireproof container. M. Essman. 2,481,095, Sept. 6.
 Fireproofing compositions. K. S. Campbell and J. E. Sands. 2,462,803, Feb. 22.
 Fireproofing composition. J. Truhlar and A. A. Pantisios. 2,480,790, Aug. 30.
 Fire resistant receptacle. J. Govan. 2,492,422, Dec. 27.
 Fire-retarding compositions. E. K. Fischer. 2,461,538, Feb. 15.
 Fire squelcher. H. Baker and C. E. Le Cocq. 2,483,310, Sept. 27.
 Firing and safety means for breakdown firearms. A. Curd. 2,465,432, Mar. 29.
 Firing device, Electric. F. R. Seavey. 2,481,696, Sept. 13.

- Firing device for combustion apparatus. S. Letvin. 2,480,147, Aug. 30.
- Firing line catcher. J. D. Williams. 2,472,997, June 14.
- Firing means for automatic guns, Electric. J. P. Catlin and P. F. Darby. 2,466,929, Apr. 12.
- Firing mechanism. V. A. Browning. 2,474,180, June 21.
- Firing mechanism. L. A. Skinner and J. A. Folse. 2,461,574, Feb. 15.
- Firing mechanism control. F. F. Ruau. 2,465,273, Mar. 22.
- Firing mechanism, Electric. W. E. Pollock. 2,479,590, Aug. 23.
- Firing mechanism for recoilless shoulder mounted guns. H. C. Johnston. 2,480,328, Aug. 30.
- Firing mechanism, Rocket launcher. L. A. Skinner and J. A. Folse. 2,465,402, Mar. 29.
- Firing the chamber of kilns. E. Blaha. 2,474,301, June 28.
- Firming agent and using same. C. R. Conard and H. C. Bertsch. 2,492,735, Dec. 27.
- Fischer-Tropsch catalyst and its preparation. B. R. Warner. 2,467,283, Apr. 12.
- Fish backbone removing machine. A. L. Christiansen. 2,470,289, May 17.
- Fish bait, Artificial. F. Arbogast. 2,486,626, Nov. 1.
- Fish bait, Artificial. O. Tallaksen. 2,462,437, Feb. 22.
- Fish bait, Artificial. A. B. and W. A. Van Hee. 2,467,244, Apr. 12.
- Fish bait, Weedless. J. R. Kunzelman. 2,463,978, Mar. 8.
- Fish bait, Weedless artificial. A. H. Suhr. 2,474,383, June 28.
- Fish bait, Weedless rubber. E. L. Jacobs. 2,476,733, July 19.
- Fish box for anglers. W. R. Olson. 2,482,022, Sept. 13.
- Fish box for boats. W. L. Aldredge, Sr. 2,485,684, Oct. 25.
- Fish egg proteins and preparing same. R. J. Block, H. N. Brocklesby, and N. I. Rogers. 2,492,518, Dec. 27.
- Fish eviscerating apparatus. T. H. Bradley. 2,477,168, July 26.
- Fish fly making vise and holder. B. T. Fong. 2,486,142, Oct. 25.
- Fishhook. R. W. Deimler. 2,492,557, Dec. 27.
- Fishhook. J. S. Garner. 2,466,844, Apr. 12.
- Fishhook, Composite. M. S. Dunkelberger. 2,490,583, Dec. 6.
- Fishhook extractor. E. W. Holland. 2,492,799, Dec. 27.
- Fishhook setting means. C. R. Hall. 2,491,731, Dec. 23.
- Fishhook, Snelled. P. A. Nelson. 2,480,042, Aug. 20.
- Fishhook supporting frame. L. E. Sauvey. 2,462,290.
- Fishhook, Weedless. J. Bergren. 2,473,564, June 21.
- Fishhook, Weedless. K. R. Larson. 2,477,488, July 26.
- Fish keeper. E. R. Bennett. 2,482,315, Sept. 20.
- Fish landing net, Collapsible. E. J. Schrieber and A. L. Weatherhead. 2,485,781, Oct. 25.
- Fish line carrying and drying device. F. M. Nunamaker. 2,490,279, Dec. 6.
- Fish lure. W. C. Arndt. 2,481,710, Sept. 13.
- Fish lure. C. E. Barthel. 2,490,248, Dec. 6.
- Fish lure. L. L. Brandt. 2,482,648, Sept. 20.
- Fish lure. L. Cooper. 2,482,466, Sept. 20.
- Fish lure. R. L. Hopkins. 2,480,580, Aug. 30.
- Fish lure. M. R. Johnson. 2,463,626, Mar. 8.
- Fish lure. E. Kleppen and I. B. Hansen. 2,474,481, June 28.
- Fish lure. J. Kosash. 2,475,101, July 5.
- Fish lure. G. Lambert. 2,487,344, Nov. 8.
- Fish lure. G. B. Lobdell. 2,468,988, May 3.
- Fish lure. M. C. Miller. 2,461,755, Feb. 15.
- Fish lure. J. P. Nardi. 2,488,678, Nov. 22.
- Fish lure. J. G. Premo, Jr. 2,481,445, Sept. 6.
- Fish lure. F. T. Roman. 2,484,744, Oct. 11.
- Fish lure. J. K. Russell. 2,484,747, Oct. 11.
- Fish lure. G. H. Townsend. 2,476,006, July 12.
- Fish lure. T. W. Watkins. Sr. 2,476,934, July 19.
- Fish lure, Artificial. B. E. Gilmore. 2,473,142, June 14.
- Fish lure, Artificial. E. E. Wilson. 2,482,309, Sept. 20.
- Fish lure retriever. L. M. Gundel. 2,472,207, June 7.
- Fish lure, Weedless. I. Erickson and R. H. Miller. 2,476,485, July 19.
- Fish lure, Weedless. C. C. Hoage. 2,459,819, Jan. 25.
- Fish rod holder. H. R. Agner. 2,465,565, Mar. 29.
- Fish rods, Making. J. W. Harvey. 2,477,800, Aug. 2.
- Fish pole holder. K. B. Fischer. 2,466,166, Apr. 5.
- Fish pole holder and lifter. L. A. Bean. 2,482,999, Sept. 27.
- Fish, Preparing. J. W. Wexler. 2,487,957, Nov. 15.
- Fish repellent, Carnivorous. A. Dinsley. 2,468,394, Apr. 26.
- Fish scaring device. A. O. Nelson. 2,465,259, Mar. 22.
- Fish scoring machine. E. W. Davis. 2,471,062, May 24.
- Fish stringer. G. J. Sharps. 2,473,348, June 14.
- Fish stringer. W. H. Stonich. 2,483,072, Sept. 27.
- Fish treating machine. C. M. Savrda and W. H. Hunt. 2,463,060, Mar. 1.
- Fishing apparatus. E. E. Norelius. 2,489,974, Nov. 29.
- Fishing apparatus. H. J. Ursich. 2,488,451, Nov. 15.
- Fishing device. J. P. Harrison. 2,466,101, Apr. 5.
- Fishing device. E. Wiitala. 2,459,401, Jan. 18.
- Fishing float. H. C. Schwabe. 2,474,498, June 28.
- Fishing float. A. W. Smith. 2,483,788, Oct. 4.
- Fishing float. K. F. Sohr. 2,476,633, July 19.
- Fishing float, Illuminated. A. Diamond. 2,485,087, Oct. 18.
- Fishing fly holder. E. Probst. 2,465,478, Mar. 29.
- Fishing hook. J. R. and J. D. Barnett. 2,491,546, Dec. 20.
- Fishing kit belt. O. L. Peterson. 2,475,914, July 12.
- Fishing leader making device. E. E. Gregory. 2,481,587, Sept. 13.
- Fishing line bracket. R. F. Cianfrone. 2,482,901, Sept. 27.
- Fishing line reel. P. Brikoff. 2,489,614, Nov. 29.
- Fishing lure. L. D. Adam and N. G. Poplin. 2,473,324, June 14.
- Fishing lure. A. C. Colosimo. 2,465,064, Mar. 22.
- Fishing lure. Z. F. Davis. 2,478,655, Aug. 9.
- Fishing lure. F. J. Kennedy. 2,485,448, Oct. 18.
- Fishing lure. W. R. L'huillier. 2,476,553, July 19.
- Fishing lure. E. E. Nordquist. 2,467,151, Apr. 12.
- Fishing lure. T. G. Prentice. 2,470,861, May 24.
- Fishing lure. F. G. Shipman. 2,471,499, May 31.
- Fishing lure. E. F. Steinhart. 2,483,245, Sept. 27.
- Fishing lure. H. M. Turner. 2,467,640, Apr. 19.
- Fishing lure, Animated. L. R. Yocam and D. K. Newman. 2,472,505, June 7.
- Fishing lure, Artificial. C. J. Smith. 2,481,789, Sept. 13.
- Fishing lure retriever, Artificial. P. M. Swaim. 2,482,037, Sept. 13.
- Fishing plug. J. Inchiostro. 2,476,415, July 19.
- Fishing plug. K. E. Yungel. 2,478,801, Aug. 9.
- Fishing plug. V. T. Watt. 2,485,946, Oct. 25.
- Fishing plug retriever. R. A. Miller. 2,467,269, Apr. 12.
- Fishing pole attachment. R. J. McCombs. 2,464,880, Mar. 22.
- Fishing pole holder. G. Lake. 2,491,008, Dec. 13.
- Fishing pole holder. P. A. Roell. 2,492,323, Dec. 27.
- Fishing pole holder. R. M. Williams. 2,481,272, Sept. 6.
- Fishing reel. B. E. Berlinger. 2,484,546, Oct. 11.
- Fishing reel. R. L. Cannon. 2,471,723, May 31.
- Fishing reel. F. Crawford. 2,462,365, Feb. 22.
- Fishing reel. W. R. Fuller. 2,486,559, Nov. 1.
- Fishing reel. E. W. Hanson. 2,462,958, Mar. 1.
- Fishing reel. S. G. Hirsch. 2,486,027, Oct. 25.
- Fishing reel. F. M. Jacobson. 2,463,108, Mar. 1.
- Fishing reel. J. T. King. 2,462,974, Mar. 1.
- Fishing reel. H. R. Ledingham. 2,492,587, Dec. 27.
- Fishing reel. M. Maerk. 2,489,457, Nov. 29.
- Fishing reel. S. V. Polevoy. 2,458,298, Jan. 4.
- Fishing reel. J. R. Reyburn. 2,460,904, Feb. 8.
- Fishing reel. F. Schulz. 2,492,819, Dec. 27.
- Fishing reel. W. Shakespeare, Jr. 2,460,950, Feb. 8.
- Fishing rod. L. G. Stine. 2,483,071, Sept. 27.
- Fishing reel. C. A. Whisman. 2,476,437, July 19.
- Fishing reel. E. R. Zimmerman. 2,485,800, Oct. 25.
- Fishing rod. F. J. Olender. 2,465,744, Mar. 29.
- Fishing rod and handle assembly. A. C. Bishoff. 2,483,519, Oct. 4.
- Fishing rod handle. A. C. Espenshaw. 2,485,144, Oct. 18.
- Fishing rod handle. W. M. Henshaw. 2,484,223, Oct. 11.
- Fishing rod holder. J. A. Arwood. 2,472,059, June 7.
- Fishing rod holder. J. A. Baur. 2,479,055, Aug. 16.
- Fishing rod holder. E. J. Benes. 2,473,778, June 21.
- Fishing rod holder. V. N. Johns. 2,481,118, Sept. 6.
- Fishing rod holder. F. H. Koon. 2,483,012, Sept. 27.
- Fishing rod holder. E. B. Schwenk. 2,484,427, Oct. 11.
- Fishing rod holder. J. L. Smith. 2,459,549, Jan. 18.
- Fishing rod holder. M. Steuer. 2,458,881, Jan. 11.
- Fishing rod tip. G. Patterson. 2,484,727, Oct. 11.
- Fishing tackle device. G. P. Girard. 2,483,537, Oct. 4.
- Fishline reel. M. S. Giera. 2,483,696, Oct. 4.
- Fishline sinker. H. J. Lesser. 2,470,995, May 24.
- Fish-scaling device. K. M. West. 2,492,606, Dec. 27.
- Fitting. C. H. Crawley. 2,460,622, Feb. 1.
- Fitting. R. E. Herold. 2,460,635, Feb. 1.
- Fitting. R. E. Stork and O. A. Olson. 2,489,338, Nov. 29.
- Fitting. P. D. Wurzbarger. 2,460,666-8, Feb. 1.
- Fitting. Bimetallic drain. H. F. Reichenbach. 2,469,991, May 10.
- Fitting. Curtain. P. J. Lynn. 2,464,325, Mar. 15.
- Fitting. Detachable hose. P. F. Hurst. 2,462,323, Feb. 22.
- Fitting. Differential. O. Muller. 2,491,328, Dec. 13.
- Fitting. Diversion blind. G. A. Duggan. 2,462,731, Feb. 22.
- Fitting. Electric. W. H. Cook. 2,466,930, Apr. 12.
- Fitting. Expansive pipe. G. W. Smith. 2,477,315, July 26.
- Fitting for fiber pipes. G. F. Haddican. 2,470,308, May 17.
- Fitting for lighting fixtures. P. D. Phillips. 2,481,531, Sept. 13.
- Fitting for liquefied petroleum gas tanks, Control. J. R. Holicer. 2,478,760, Aug. 9.
- Fitting for sewage pipe connections, Double. G. F. Radcliffe. 2,476,908, July 19.
- Fitting for transparent tubes. V. P. Donner. 2,461,414, Feb. 8.
- Fitting for tube joints, Pressure. D. P. Hynes and H. H. Moss. 2,475,026, July 5.
- Fitting for tubular frame structures, Welded brace anchorage. C. D. Otterson. 2,477,263, July 26.
- Fitting for tubular structures, Welded brace intersection. W. Moffatt. 2,477,261, July 26.
- Fitting for wire structures. A. E. Brickman. 2,469,257, May 3.

- Fitting, Fuel cell. H. H. Kolbe. 2,459,747, Jan. 18.
 Fitting, Fuel oil pipe floor. R. C. McMaster. 2,463,405, Mar. 1.
 Fitting, Hose and tube. A. A. Burckle and S. C. Christman. 2,476,480, July 19.
 Fitting, Hose end. B. A. Main, Jr. 2,485,975, Oct. 25.
 Fitting, Hot-water tank. A. W. Carlson. 2,475,007, July 5.
 Fitting, Hydraulic. V. P. Donner. 2,481,404, Sept. 6.
 Fitting, Hydraulic. M. Jovanovich. 2,466,316, Apr. 5.
 Fitting, Lubrication. O. Jacobsen. 2,483,544, Oct. 4.
 Fitting of connecting BX cables to outlet boxes. H. J. Brushaber. 2,465,844, Mar. 29.
 Fitting, Pipe. L. S. Hamer. 2,462,494, Feb. 22.
 Fitting, Pipe. C. A. Lapp. 2,480,034, Aug. 23.
 Fitting, Rail. J. C. Denier. 2,474,727, June 28.
 Fitting, Sheet metal. A. Vanasky. 2,489,601, Nov. 29.
 Fitting, Solder. P. D. Wurzbarger. 2,460,665, Feb. 1.
 Fitting, Terminal. A. E. Brickman. 2,461,031, Feb. 8.
 Fitting, Terminal. W. A. Meighan. 2,481,610, Sept. 13.
 Fitting, Venetian blind. H. Nelson. 2,469,839, May 10.
 Fitting, Waste and overflow. P. F. Donahue. 2,477,478, July 26.
 Fittings and making the same, Die cast terminal. A. E. Brickman. 2,484,485, Oct. 11.
 Fittings to wire structures, Securing. A. E. Brickman. 2,464,432, Mar. 15.
 5-acyloxy pyrazole amidoacetals. E. L. Martin. 2,476,988, July 26.
 5-acyloxy pyrazoles and making same. E. L. Martin. 2,476,987, July 26.
 5-alkoxy-alkyl, 5-cyclohexyl hydantoin. H. R. Henze. 2,460,747, Feb. 1.
 5-benzylhydantoin, Preparation of. W. F. Gresham. 2,479,065, Aug. 16.
 5-crotyl-5-phenylbarbituric compounds. G. A. Alles. 2,479,148, Aug. 16.
 5-hydroxymercurivanillin and making same. H. F. Lewis and I. A. Pearl. 2,489,380, Nov. 29.
 5-phenyl-5-sec. butyl barbituric acid. C. E. Kaslow and W. E. Bacon, Jr. 2,491,815, Dec. 20.
 5,5-di-(α -thienyl) hydantoin and obtaining same. W. G. Bywater and W. R. Coleman. 2,468,168, Apr. 26.
 5,5'-Dihydroxydiamyl ether. K. Alexander and L. E. Schniepp. 2,467,798, Apr. 19.
 5,5,5-trichloropentyl phenyl ethers. N. E. Searle. 2,489,935, Nov. 29.
 5,6-unsaturated-7-halogeno-steroids and 5,6-unsaturated-7-dehydro-steroids, Manufacture of. A. Lowenbein. 2,476,424, July 19.
 Fixation of pigments on textile materials. H. C. Olpin, P. B. Law, and S. A. Gibson. 2,474,909, July 5.
 Fixing and sealing tubes in a partition wall by use of fluid pressure, Method and device for. W. Huber. 2,460,580, Feb. 1.
 Fixture. W. W. Hargrett, W. Trail, C. A. Kureth, and G. Van Fleet. 2,491,559, Dec. 20.
 Fixture. R. Sarnataro and L. Frediani. 2,487,072, Nov. 8.
 Fixture. R. S. Sanford. 2,489,543, Nov. 29.
 Fixture accommodating and hanger stud. F. R. Beck. 2,461,025, Feb. 8.
 Fixture, Animal toilet. A. Johnson. 2,464,580, Mar. 15.
 Fixture, Article holding and ejecting. S. V. Smith. 2,488,609, Nov. 22.
 Fixture, Article supporting. W. B. Fairfield. 2,467,081, Apr. 12.
 Fixture, Bicycle holding. G. E. Nighthart. 2,460,944, Feb. 8.
 Fixture, Bicycle servicing. G. E. Nighthart. 2,460,945, Feb. 8.
 Fixture, Caster. A. Grossman. 2,468,399, Apr. 26.
 Fixture, Circular-line fluorescent lighting. H. E. Bohl. 2,462,714, Feb. 22.
 Fixture, Combination bathroom. T. H. Sarchet. 2,481,624, Sept. 13.
 Fixture, Combination curtain, drapery, and shade. N. Chatterton. 2,459,619, Jan. 18.
 Fixture, Combination drape and curtain. H. L. Johnson. 2,492,866, Dec. 27.
 Fixture, Contact. C. W. P. Walter. 2,461,616, Feb. 15.
 Fixture, Curtain. I. Lundstrom. 2,460,517, Feb. 1.
 Fixture, Curtain or drapery. A. A. Allen. 2,469,098, May 3.
 Fixture, Display. E. C. Dimling. 2,480,637, Aug. 30.
 Fixture, Drapery. M. B. Wright. 2,470,422, May 17.
 Fixture, Drilling. C. L. Ellison and L. Pospishek. 2,490,120, Dec. 6.
 Fixture, Electric lamp. A. F. Pieper. 2,480,765, Aug. 30.
 Fixture, Electric light. C. M. Moretz. 2,480,301, Aug. 30.
 Fixture, Electric light. S. McCandless. 2,465,248, Mar. 22.
 Fixture, Electrical connecting. T. M. Davis. 2,468,737, May 3.
 Fixture, Electrical connector. L. W. Brooks. 2,491,463, Dec. 13.
 Fixture, Floor drain. A. Mathels. 2,490,075, Dec. 6.
 Fixture, Fluorescent lamp. K. L. Francis. 2,466,223, Apr. 5.
 Fixture, Fluorescent light. W. T. Minton. 2,466,463, Apr. 5.
 Fixture, Fluorescent lighting. R. M. Runge. 2,463,057, Mar. 1.
 Fixture, Fluorescent lighting. J. Terr. 2,461,786, Feb. 15.
 Fixture for flame cutting machines, Torch controlling. J. McLauchlan. 2,468,938, May 3.
 Fixture for grinding cutting tools, Headstock. J. J. Sanders. 2,482,802, Sept. 27.
 Fixture for grinding twist drill tips. A. Wetzel. 2,491,346, Dec. 13.
 Fixture for hardening dies. F. F. Roth, Jr. 2,459,183, Jan. 18.
 Fixture for holding work to be ground, Magnetic. R. G. Nill. 2,474,800, June 28.
 Fixture for machine tools. W. C. Sonnie. 2,484,758, Oct. 11.
 Fixture for machine tools, Boring. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,481,335, Sept. 6.
 Fixture for magnetic chucks. G. W. Starn. 2,485,220, Oct. 18.
 Fixture for optical projecting comparators, Work holding staging. B. N. Pierce. 2,489,462, Nov. 29.
 Fixture for passenger vehicles, Lighting. L. Schepmoes. 2,461,446, Feb. 8.
 Fixture for relief grinding of cutting tools. E. E. Parker. 2,471,539, May 31.
 Fixture for tubular lamps, Lamp. J. H. Goehst. 2,463,961, Mar. 8.
 Fixture for tubular lamps, Lighting. G. P. Wakefield. 2,465,141, Mar. 22.
 Fixture for valves, Leak testing. A. MacLachlan. 2,462,116, Feb. 22.
 Fixture for washbasins, Mixing spout. A. Kadish. 2,474,108, June 21.
 Fixture for workbenches, Clamping. H. E. Clauss. 2,466,209, Apr. 5.
 Fixture for workbenches, Work supporting and clamping. H. E. Clauss. 2,486,634, Nov. 1.
 Fixture, Grinding. G. Hohwart and J. Simmons. 2,457,895, Jan. 4.
 Fixture, Lighting. F. C. Baker. 2,490,191, Dec. 6.
 Fixture, Lighting. C. H. Bissell and R. F. Lester. 2,476,352, July 19.
 Fixture, Lighting. L. Gilman. 2,475,233, July 5.
 Fixture, Lighting. E. F. Guth. 2,478,822, Aug. 9.
 Fixture, Lighting. E. F. Guth. 2,488,012, Nov. 15.
 Fixture, Lighting. E. R. Huegel. 2,478,825, Aug. 9.
 Fixture, Machine tool. C. O. Bartholdy. 2,472,083, June 7.
 Fixture, Ornamental lighting. L. P. Tuttle. 2,465,700, Mar. 29.
 Fixture, Plumbing. H. Gruen. 2,460,005, Jan. 25.
 Fixture, Portable lighting. H. D. Fine. 2,492,852, Dec. 27.
 Fixture, Railway car door. S. J. Stone. 2,486,339, Oct. 25.
 Fixture, Rotary turret type workholding. W. A. Carlson. 2,470,429, May 17.
 Fixture, Shockproof plumbing. J. B. Crabbe. 2,489,524, Nov. 29.
 Fixture, Sink. C. P. Wagner. 2,468,315, Apr. 26.
 Fixture, Submerged melt welding. R. V. Anderson. 2,479,197, Aug. 16.
 Fixture, Telephone handset supporting. R. R. Mathieson. 2,473,106, June 14.
 Fixture, Terminal plate assembly. J. O. Van Winkle. 2,476,641, July 19.
 Fixture, Welding. P. E. Brooks. 2,458,928, Jan. 11.
 Fixture, Window. J. Di Lorenzo. 2,461,316, Feb. 8.
 Fixture, Window curtain and drapery. W. L. Sorenson. 2,465,291, Mar. 22.
 Fixture, Window shade and curtain. K. H. J. Paradis. 2,460,360, Feb. 1.
 Fixture, Universal and mill grinding. L. A. Rocheleau. 2,484,590, Oct. 11.
 Fixture, Window shade. F. A. Cooper. 2,490,016, Dec. 6.
 Fixture, Window shade and curtain. C. C. Doty. 2,480,360, Aug. 30.
 Fixture, Work holder. J. Wicker. 2,469,094, May 3.
 Flag and hanger therefor for use on loaded vehicles. H. L. Hardisty. 2,463,615, Mar. 8.
 Flag, Taxi hailing. T. Swerdlow. 2,458,316, Jan. 4.
 Flame candle, Ornamental colored. J. A. Joyce. 2,481,019, Sept. 6.
 Flame hardening. S. Smith. 2,482,945, Sept. 27.
 Flame hardening apparatus. A. L. Hartley and A. H. Davis. 2,461,734, Feb. 15.
 Flame hardening of internal cylindrical surfaces. R. M. Rooke. 2,482,937, Sept. 27.
 Flameproofing. J. Truhlar and A. A. Pantisios. 2,461,302, Feb. 8.
 Flameproofing combustible cellulosic material and product resulting therefrom. A. McLean and S. F. Marrian. 2,470,042, May 10.
 Flameproofing composition. E. W. Leatherman. 2,463,983, Mar. 8.
 Flameproofing of fibrous material. F. M. Ford and W. P. Hall. 2,482,755-6, Sept. 27.
 Flame resistant materials. R. A. Pingree and R. C. Ackerman. 2,488,034, Nov. 15.
 Flame retardant compositions. W. B. Happoldt, Jr. 2,480,298, Aug. 30.
 Flange bender. H. J. Walton. 2,477,355, July 26.
 Flange construction, Removable. C. Hollerith. 2,478,580, Aug. 9.
 Flange for workbenches or the like, Two-way adjustable clamping. C. O. Larson. 2,478,828, Aug. 9.
 Flange union, Double seal. C. K. Stillwagon. 2,459,250, Jan. 18.

- Flap and jet device for airplane wings. R. Morrisson. 2,466,466, Apr. 5.
- Flap operating means. F. Erny. 2,458,900, Jan. 11.
- Flapper valve. R. G. Cox and D. W. Main. 2,492,271, Dec. 27.
- Flash lamp. H. T. and H. H. Hipwell. 2,459,702, Jan. 18.
- Flaps and retractable landing gear simulating means for grounded aviation trainer. K. A. Kail. 2,475,355, July 5.
- Flare. S. Winters. 2,468,795, May 3.
- Flareless tube coupling. G. V. Woodling. 2,472,872, June 14.
- Flaring tool with multiple tube holder and toolholder guiding means. J. N. Paquin. 2,483,982, Oct. 4.
- Flash arrester and check valve, Combination. O. Thurman, Jr. 2,490,175, Dec. 6.
- Flash chamber. W. W. Kraft, P. Lambert, and C. F. Montross. 2,489,903, Nov. 29.
- Flash from molded articles, Removing. D. F. Fraser. 2,476,540, July 19.
- Flash hider for machine guns. E. Garrett. 2,468,926, May 3.
- Flash ignition and safety control system for gaseous fuel burners. A. F. Craver and L. F. Vixler. 2,490,729, Dec. 6.
- Flash lamp device, Multiple. E. B. Noel. 2,485,404, Oct. 18.
- Flash lamp device, Multiple. E. B. Noel and A. W. Seitz. 2,485,403, Oct. 18.
- Flashlight. R. F. Becker. 2,467,954, Apr. 19.
- Flashlight. O. Doose. 2,461,634, Feb. 15.
- Flashlight. R. L. Falge. 2,483,820, Oct. 4.
- Flashlight. L. D. Lehman. 2,490,309, Dec. 6.
- Flashlight. F. W. Norton. 2,490,830, Dec. 13.
- Flashlight. H. H. Turner and J. C. La Mar. 2,476,783, July 19.
- Flashlight and shutter synchronizer having adjustable switch actuating member. F. A. G. Pirwitz. 2,483,023, Sept. 27.
- Flashlight design. J. F. Oury. 2,465,114, Mar. 22.
- Flashlight device. H. T. Santilli. 2,468,640, Apr. 26.
- Flashlight, Electric. R. L. Falge. 2,483,819, Oct. 4.
- Flashlight, Hand. G. F. N. Oliver. 2,489,806, Nov. 29.
- Flashlight, Pen-shaped pocket. J. Nathan and R. W. Adler. 2,491,686, Dec. 20.
- Flashlight, Pocket. E. H. Phillips. 2,483,665, Oct. 4.
- Flashlight switch. P. C. Haas. 2,477,516, July 26.
- Flashlight switch. O. Gray and H. Lewis. 2,471,032, May 24.
- Flashlight with interchangeably mounted sheath, Safety. H. J. Szeklinski. 2,486,998, Nov. 1.
- Flash percussive welding, Electric. P. L. Spencer. 2,459,847, Jan. 25.
- Flash-producing device. H. E. Edgerton. 2,478,907, Aug. 16.
- Flash welding, Method and apparatus for. F. Albrecht. 2,469,707, May 10.
- Flasher. H. R. Gross. 2,477,408, July 26.
- Flask, Dental. T. F. Fagan. 2,471,205, May 24.
- Flask, Dental. A. Hora. 2,491,046, Dec. 13.
- Flask, Foundry. W. M. Duncan. 2,460,218, Jan. 25.
- Flask, Molder's. W. J. Jones. 2,473,101, June 14.
- Flask, Molder's. H. K. McGavock. 2,491,750, Dec. 20.
- Flat bottom gondola car. L. J. Tillman. 2,478,608, Aug. 9.
- Flat tire indicator. K. B. Kennedy. 2,464,934, Mar. 22.
- Flattening apparatus, Can bodymaker side seam. E. Laxo. 2,482,678, Sept. 20.
- Flatware, Producing. F. S. Robinson. 2,471,900, May 31.
- Flavanthrones, Producing. H. Z. Lecher, M. Scaleria, and W. S. Forster. 2,468,599, Apr. 26.
- Flavoring materials. R. F. Larson, R. W. Liggett, and W. C. Mussulman. 2,459,563, Jan. 18.
- Flavoring materials. W. W. Moyer. 2,459,574, Jan. 18.
- Flavors to soft foods. Imparting smoky. T. A. Sala. 2,464,614, Mar. 15.
- Flaw detection. W. C. Darrah. 2,470,341, May 17.
- Flaw detection apparatus. W. C. Barnes and H. W. Keevil. 2,461,253, Feb. 8.
- Flaw detection, Method and composition for. T. de Forest. 2,461,494, Feb. 8.
- Flaw detector for tubing and the like. W. E. Habig. 2,467,306, Apr. 12.
- Flaw detector mechanism, Rail. W. E. Mesh. 2,481,858, Sept. 13.
- Flexible acoustic tube. R. A. Faralla. 2,489,277, Nov. 29.
- Flexible belt fastener. H. J. Beach. 2,477,855, Aug. 2.
- Flexible cable. P. J. McLaren, J. A. Vaughan, and V. A. Svensson. 2,457,910, Jan. 4.
- Flexible clamp. W. E. Montague. 2,489,535, Nov. 29.
- Flexible connector. S. Keller and D. W. Fentress. 2,470,989, May 24.
- Flexible connector. L. R. and K. I. Robinson, and E. O. Berger. 2,474,690, June 28.
- Flexible coupling. V. T. Botting. 2,479,058, Aug. 16.
- Flexible coupling. R. Chilton. 2,475,010, July 5.
- Flexible coupling. T. L. Fawick. 2,460,628, Feb. 1.
- Flexible coupling. T. L. Fawick. 2,477,447, July 26.
- Flexible coupling. J. E. Mulheim. 2,476,894, July 19.
- Flexible coupling. D. E. Tessendorf and C. J. Hahn. 2,479,278, Aug. 16.
- Flexible joint. J. S. Baker. 2,487,410, Nov. 8.
- Flexible joint. F. N. Bard. 2,462,592, Feb. 22.
- Flexible electrode means for high-frequency heating. G. T. Hart. 2,474,977, July 5.
- Flexible hose coupling. G. H. Hufferd. 2,479,683, Aug. 23.
- Flexible locking coupling. E. S. Pearson. 2,469,516, May 10.
- Flexible nozzle operated dispensing valve. A. E. Geiss and J. A. Montgomery. 2,487,434, Nov. 8.
- Flexible pipe joint. G. W. Harvey. 2,475,834, July 12.
- Flexible pocket receptacle. D. J. Broughton. 2,478,083, Aug. 2.
- Flexible pocket receptacle. D. J. Broughton. 2,484,682, Oct. 11.
- Flexible pocket receptacle. D. J. Broughton. 2,489,364, Nov. 29.
- Flexible pocket receptacle. D. W. Corey. 2,459,218, Jan. 18.
- Flexible protective cushion for tire chafer area. E. W. Glen. 2,484,620, Oct. 11.
- Flexible ratchet-type pipe wrench. S. Osborne. 2,465,695, Mar. 29.
- Flexible recording belts, Packing. C. L. Bossmeyer. 2,481,285, Sept. 6.
- Flexible seal check valve. A. Berteau. 2,481,713, Sept. 13.
- Flexible shaft coupling. A. T. Barager. 2,478,890, Aug. 16.
- Flexible steering wheel. O. E. Becker. 2,488,159, Nov. 15.
- Flexible strip jar cap wrench. R. J. Whitaker. 2,481,055, Sept. 6.
- Flexing machine, Cord. C. B. Budd and L. Larrick. 2,488,761, Nov. 22.
- Flickerless operation of electric lighting elements. L. F. Bird. 2,487,092, Nov. 8.
- Flier. E. G. Egge. 2,466,797, Apr. 12.
- Flier construction. M. J. McHale. 2,483,320-1, Sept. 27.
- Flier for spinning and twisting machines. M. Kocsuta and T. S. Mayner. 2,490,524, Dec. 6.
- Flight for conveyers. B. E. Sivyer. 2,490,239, Dec. 6.
- Flint dispenser. I. Shprentz. 2,474,639, June 28.
- Flint holder. I. Florman. 2,471,206, May 24.
- Flint plug magazine. E. J. Lee. 2,463,981, Mar. 8.
- Float, Automatic fishing. T. C. Patten. 2,479,399, Aug. 16.
- Float control for liquid dispensing devices. W. Von Stoesser. 2,472,389, June 7.
- Float, Fishing. J. P. Cheriery. 2,492,033, Dec. 20.
- Float, Fishing. V. R. Harshman. 2,464,309, Mar. 15.
- Float, Fishing. T. S. Rigby. 2,481,346, Sept. 6.
- Float, Fishing. E. B. Schiffmann. 2,479,642, Aug. 23.
- Float, Fishing. R. S. Stadelhofer. 2,481,453, Sept. 6.
- Float for water craft, Extensible drum. C. L. Woods. 2,479,659, Aug. 23.
- Float, Life. E. F. Hiscock. 2,464,086, Mar. 8.
- Float operated switch. M. Cohen and H. Hawkins. 2,467,189, Apr. 12.
- Float operated switch. A. N. Colyer and N. F. Cox. 2,465,516, Mar. 29.
- Float, rod tip, and hook protector, Combined fish line. T. A. Jaske. 2,491,182, Dec. 13.
- Float valve. F. J. Spang. 2,476,434, July 19.
- Float valve. V. C. Sterrett. 2,487,490, Nov. 8.
- Floating and cementing apparatus, Well casing. T. M. Ragan. 2,467,854, Apr. 19.
- Floating brake shoe mounting. A. J. Janes. 2,484,410, Oct. 11.
- Floating caliper gauge. H. A. Dawley. 2,461,148, Feb. 8.
- Floating heat exchanger support. J. B. Pendleton. 2,475,109, July 5.
- Floating precision cutter. J. W. Florin. 2,477,482, July 26.
- Floating roof storage tank. A. S. Feild. 2,461,537, Feb. 15.
- Floating roof tank. J. W. Allen. 2,464,786, Mar. 22.
- Flocking apparatus. A. J. Ammerall. 2,489,846, Nov. 29.
- Flocking device. C. G. Solana and J. Casingena. 2,459,396, Jan. 18.
- Flocking method and apparatus. R. T. Spence. 2,483,443, Oct. 4.
- Floor and wall furnace. R. E. James. 2,491,664, Dec. 20.
- Floor beam, Nail receiving metallic. W. S. Kapnek. 2,467,558, Apr. 19.
- Floor clip. A. H. Thompson. 2,486,723, Nov. 1.
- Floor construction, Concrete. E. L. Dickey and H. M. Beatty. 2,484,695, Oct. 11.
- Floor construction, Portable knockdown. R. M. Richardson. 2,466,613, Apr. 5.
- Floor covering and composition material therefor. F. Hubert, Jr., and V. A. Kildare. 2,482,185, Sept. 20.
- Floor covering of resilient pliable coated material, Composition. W. R. Walker. 2,474,767, June 28.
- Floor for refrigerator cars, Corrugated steel. E. R. Battley and G. E. McCoy. 2,466,073, Apr. 5.
- Floor for refrigerator cars, Steel. E. R. Battley and G. E. McCoy. 2,480,695, Aug. 30.
- Floor form, Concrete. J. Ledbetter. 2,490,527, Dec. 6.
- Floor furnace closely confined in a pit and having an access door. A. M. Odom. 2,490,464, Dec. 6.
- Floor lamp. W. A. Hillenbrand and F. J. Burst. 2,491,448, Dec. 13.
- Floor, Parquet. K. G. Matti and L. V. S. Ehrnebo. 2,477,071, July 26.
- Floor protector. W. E. White. 2,471,708, May 31.
- Floor structure, Cantilever. F. N. Kneas. 2,477,256, July 26.

- Floor tile composition. L. O. Amberg. 2,490,247, Dec. 6.
 Floor unit. A. L. Roberts. 2,476,386, July 19.
 Flooring consisting of laminated boards. G. Kähr. 2,491,498, Dec. 20.
 Flooring jack. T. Treaster. 2,489,990, Nov. 29.
 Flooring or surfacing structure. G. S. Wing. 2,478,993, Aug. 16.
 Floral rack. C. O. Gipson. 2,459,024, Jan. 11.
 Floral support. F. C. Braun. 2,473,855, June 21.
 Flotation of chromite ores, Selective. A. J. Weinig. 2,469,422, May 10.
 Flotation process and apparatus. H. L. McNeill. 2,466,037, Apr. 5.
 Flotation process of clarifying regenerating baths. J. L. Costa and W. H. Kahler. 2,462,948, Mar. 1.
 Flow-actuated valve. N. Brewer. 2,472,090, June 7.
 Flow control circuit. A. M. Lane. 2,474,681, June 28.
 Flow control device. W. G. Miller. 2,460,647, Feb. 1.
 Flow control device for refrigeration apparatus. E. Gygas. 2,482,171, Sept. 20.
 Flow control, Fluid. B. H. Kellogg. 2,487,655, Nov. 8.
 Flow control means and method. R. A. Rosenblum. 2,489,542, Nov. 29.
 Flow controlling device. G. H. Berkholder. 2,476,400, July 19.
 Flow controlling device, Refrigerant. D. C. Prince. 2,480,813, Aug. 30.
 Flow diversion valve. E. C. Hartman. 2,484,622, Oct. 11.
 Flowmeter. W. M. Boothby. 2,463,473, Mar. 1.
 Flowmeter. G. L. Borell. 2,458,331, Jan. 4.
 Flowmeter. J. J. Cunningham, R. W. B. Johnston, and R. E. Phillips. 2,491,445, Dec. 13.
 Flow meter. J. R. Evans. 2,483,190, Sept. 27.
 Flowmeter. K. Fischer. 2,490,792, Dec. 13.
 Flowmeter. W. Melas and W. B. Heinz. 2,475,630, July 12.
 Flowmeter. R. M. Otis. 2,472,056, May 31.
 Flowmeter. L. Silverman. 2,461,351, Feb. 8.
 Flow of thickened fluids. K. J. Mysels. 2,492,173, Dec. 27.
 Flow regulating valve. D. B. Gardiner. 2,476,720, July 19.
 Flow regulator. F. L. Brown and H. S. Steen. 2,472,787, June 14.
 Flow regulator. G. R. Whitney. 2,481,705, Sept. 13.
 Flow spreader. P. H. Goldsmith. 2,465,445, Mar. 29.
 Flow tube. H. M. Unschuld. 2,458,320-1, Jan. 4.
 Flowing wells. O. E. Dempsey. 2,469,225, May 3.
 Flower holder. F. S. Elliott. 2,486,932, Nov. 1.
 Flower holder. W. M. Huck. 2,486,848, Nov. 1.
 Flower holder and box. R. I. McLellan. 2,474,543, June 28.
 Flower making machine. H. E. Adams. 2,482,823, Sept. 27.
 Flower pick. Angelo, Louis, and Leonard Brutocao. 2,486,109, Oct. 25.
 Flue damper. Swingable curtain-type. C. L. Myers. 2,485,306, Oct. 18.
 Flue stop. Inside. R. Dozier. 2,470,152, May 17.
 Fluid actuated tool. P. Van Sittert. 2,472,352, June 7.
 Fluid actuated valve. S. I. MacDuff and H. B. Schultz. 2,462,983, Mar. 1.
 Fluid and using the same, Well washing. W. E. Bergman. 2,470,132, May 17.
 Fluid apparatus for grinding machines. Plural. H. W. Wagner and G. J. Wickstrom. 2,475,811, July 12.
 Fluid brake. T. K. Walma. 2,478,612, Aug. 9.
 Fluid-conducting and pressure-cushioning device. C. E. Bannister. 2,477,436, July 26.
 Fluid control and metering valve. C. R. Sacchini. 2,463,809, Mar. 8.
 Fluid control device. D. G. Taylor. 2,461,615, Feb. 15.
 Fluid control valve. W. A. Ray. 2,461,772, Feb. 15.
 Fluid control valve. W. A. Ray. 2,477,897, Aug. 2.
 Fluid control valve. L. W. Swain and J. A. Hunt. 2,489,596, Nov. 29.
 Fluid cooled mold. E. R. Williams, K. C. Warmbein, and A. Lundquist. 2,479,191, Aug. 16.
 Fluid coupling. E. M. Anderson. 2,484,924, Oct. 18.
 Fluid coupling. R. J. Miller. 2,473,809, June 21.
 Fluid current driven apparatus. W. Schwickerath. 2,465,285, Mar. 22.
 Fluid, Cutting. H. L. Leland. 2,470,405, May 17.
 Fluid diaphragm. H. Harrison. 2,481,660, Sept. 13.
 Fluid energy machine. E. T. Vincent and C. F. Bachle. 2,458,037, Jan. 4.
 Fluid filter. V. P. Mathews. 2,488,921, Nov. 22.
 Fluid, Flaw detection. J. M. Stokely and G. M. Cook. 2,478,951, Aug. 16.
 Fluid flow indicator. F. M. Auxier. 2,489,512, Nov. 29.
 Fluid-flow indicator. S. J. Mikina. 2,491,998, Dec. 20.
 Fluid for drilling wells. R. D. Dawson. 2,476,845, July 19.
 Fluid for drilling wells, Emulsion. R. A. Malott. 2,488,304, Nov. 15.
 Fluid for heaving shale, Drilling. R. A. Salathiel. 2,474,329, June 28.
 Fluid for hydraulic brake systems, Flushing. C. M. White. 2,469,284, May 3.
 Fluid fuel burning floor furnace. J. S. Johnson. 2,470,247, May 17.
 Fluid fuel burning internal-combustion air heater. H. J. D. McCollum. 2,484,385, Oct. 11.
 Fluid fuel burning space heater. W. G. Cartter. 2,487,775, Nov. 8.
 Fluid handling device, Helical rotary. J. E. Whitfield. 2,480,818, Aug. 30.
 Fluid-handling device, Magnetically driven. J. D. Staggs. 2,481,172, Sept. 6.
 Fluid heater. E. Freeman. 2,470,481, May 17.
 Fluid heater. B. E. Mustee. 2,474,401, June 28.
 Fluid heater. C. Videche. 2,481,958, Sept. 13.
 Fluid holding device for cleaning slats of Venetian blinds. L. B. Schryner. 2,488,334, Nov. 15.
 Fluid, Hydraulic pressure transmitting. C. M. White. 2,469,285, May 3.
 Fluid level indicator. A. H. Davis, Jr. 2,457,874, Jan. 4.
 Fluid line connection. S. Wiltse. 2,479,447, Aug. 16.
 Fluid loss through porous walls, Preventing. O. W. Van Dyke. 2,477,219, July 26.
 Fluid measurement, Well. B. M. Kingston and M. H. McKinsey. 2,473,713, June 21.
 Fluid meter. R. Hall. 2,467,259, Apr. 12.
 Fluid mixing apparatus, Automatic. C. B. Hatfield. 2,484,945, Oct. 18.
 Fluid motor mechanism for pushing and pulling, Multiple pressure. J. C. Sharpe. 2,483,239, Sept. 27.
 Fluid motor system, Door operating. J. R. Almond. 2,485,252, Oct. 18.
 Fluid operable system. H. M. Purcell. 2,484,907, Oct. 18.
 Fluid operated brake. E. E. Arnold. 2,464,960, Mar. 22.
 Fluid operated clutch. T. B. Gibbs and R. E. Brandt. 2,464,975, Mar. 22.
 Fluid pressure actuated clutch. C. N. Bebinger and A. T. Jones. 2,489,258, Nov. 29.
 Fluid pressure actuated switch. A. C. Kelle. 2,464,237, Mar. 15.
 Fluid pressure bearing. M. E. Martellotti. 2,459,826, Jan. 25.
 Fluid pressure device. A. B. Edwards, Jr. 2,467,883, Apr. 19.
 Fluid pressure energy translating device. T. E. Raymond. 2,461,235, Feb. 8.
 Fluid pressure motor. A. J. Bent. 2,464,962, Mar. 22.
 Fluid pressure motor. J. W. Rush and A. J. Bent. 2,482,291, Sept. 20.
 Fluid pressure operated control means. E. Bobard. 2,467,249, Apr. 12.
 Fluid pressure operated device for use with clutches. L. Hornbostel. 2,467,830, Apr. 19.
 Fluid pressure operated gate valve. F. McManis. 2,478,832, Aug. 9.
 Fluid pressure operated multiple clutch. H. H. Vanderzee. 2,464,538, Mar. 15.
 Fluid pressure operated pump. F. M. MacDougall. 2,478,410, Aug. 9.
 Fluid pressure operated valve. H. B. Carbon. 2,480,712, Aug. 30.
 Fluid pressure operated valve. S. H. Edwards. 2,472,525, June 7.
 Fluid pressure regulator. C. C. Anthes. 2,487,089, Nov. 8.
 Fluid pressure regulator. L. Campbell, Jr., and D. C. Schilling. 2,478,040, Aug. 2.
 Fluid pressure system. J. Kellogg. 2,488,086, Nov. 15.
 Fluid pressure valve. E. A. Rockwell. 2,459,456, Jan. 18.
 Fluid pump. J. W. Dickey and M. M. Henry. 2,488,384, Nov. 15.
 Fluid pump. C. F. Hautau. 2,462,392, Feb. 22.
 Fluid pump. S. W. Litt. 2,462,980, Mar. 1.
 Fluid pump. T. A. Markham. 2,461,121, Feb. 8.
 Fluid pump. W. O. West. 2,467,641, Apr. 19.
 Fluid pump automatic air bleed valve. N. Bashark. 2,469,362, May 10.
 Fluid purifier, Centrifugal. I. Langmuir. 2,485,390, Oct. 18.
 Fluid separator. J. Loumiet et Lavigne. 2,473,602, June 21.
 Fluid transmission. J. Jandasek. 2,464,088, Mar. 8.
 Fluid treatment apparatus for continuous films. E. S. Cobb. 2,492,133, Dec. 27.
 Fluid treatment apparatus with rotary film guide. E. S. Cobb. 2,478,896, Aug. 16.
 Fluid treatment equipment. A. H. Friedman. 2,461,113, Feb. 8.
 Fluid valve. G. J. Koehler. 2,462,646, Feb. 22.
 Fluid wheel. R. C. Zeldner. 2,474,298, June 28.
 Fluidization in zinc production. P. W. Garbo. 2,475,607, July 12.
 Fluidization process for producing aluminum. J. C. Munday. 2,462,661, Feb. 22.
 Fluidized shale autothermic distillation. E. B. Peck and D. G. Tomkins. 2,471,119, May 24.
 Fluidized solid catalyst, Treatment of. R. V. Shankland. 2,463,434, Mar. 1.
 Fluidizing process for producing zinc. J. C. Kalbach. 2,485,604, Oct. 25.
 Fluidizing process for zinc recovery. P. W. Garbo. 2,478,912, Aug. 16.
 Fluids and using same, Drilling. C. R. Wagner and W. N. Axe. 2,468,792, May 3.
 Fluids, Noncorrosive hydraulic. W. Schlesinger and P. Becher. 2,470,792, May 24.
 Fluids, Treatment of drilling. T. B. Wayne. 2,477,157, July 26.

- Fluorophosphate glass. K. H. Sun and M. L. Huggins. 2,481,700, Sept. 13.
- Fluorenyl esters and method. J. W. Cusic and R. A. Robinson. 2,480,224, Aug. 30.
- Fluorescent article, Laminated phosphorescent. J. M. Gordon. 2,459,693, Jan. 18.
- Fluorescent device and making the same. J. L. and R. C. Switzer. 2,475,529, July 5.
- Fluorescent discharge tube. C. P. Boucher and F. A. Kuhl. 2,464,373, Mar. 15.
- Fluorescent inspection lamp. H. W. Tittle. 2,472,180, June 7.
- Fluorescent lamp. C. E. Farris. 2,459,633, Jan. 18.
- Fluorescent lamp. E. B. Huff. 2,477,456, July 26.
- Fluorescent lamp circuit. L. J. Nevills. 2,483,225, Sept. 27.
- Fluorescent lamp switch. G. B. Horn and H. E. Youngs. 2,487,970, Nov. 15.
- Fluorescent lamps fed by direct current. J. M. Pestarini. 2,484,246, Oct. 11.
- Fluorescent light screen. A. A. Behnke. 2,485,133, Oct. 18.
- Fluorescent line and momentary contact switch. B. Pomarantz. 2,466,910, Apr. 12.
- Fluorescent material and electric discharge device. J. T. G. Overbeek and F. A. Kröger. 2,476,681, July 19.
- Fluorescent materials. E. Schweizer. 2,458,104, Jan. 4.
- Fluorescent products and preparation thereof. B. S. Ellefson. 2,461,726, Feb. 15.
- Fluoride of sodium and aluminum and production thereof. Double. D. C. McLean, J. E. Morrow, and J. R. Fox. 2,492,650, Dec. 27.
- Fluorinated dialkylbenzenes. E. T. McBee and O. R. Pierce. 2,465,900, Mar. 29.
- Fluorinated hydrocarbons. R. M. Joyce, Jr. 2,462,402, Feb. 22.
- Fluorinated polyaryl hydrocarbons. M. Markarian. 2,477,543, July 26.
- Fluorination of fused-ring hydrocarbons with lead tetrafluoride. E. T. McBee and R. M. Robb. 2,487,820, Nov. 15.
- Fluorine compound from a liquid hydrocarbon, Removing a. A. C. Byrns. 2,474,032, June 21.
- Fluorine-containing hydrocarbon derivatives, Production of. N. F. Sarsfield. 2,478,666, Aug. 9.
- Fluorine-substituted orthosilicic acid esters, Preparing. R. S. Schreiber. 2,465,339, Mar. 29.
- Fluorine to acyclic olefinic compounds, Adding. T. P. Waalkes. 2,466,189, Apr. 5.
- Fluorocarbon, Aromatic. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,461,554, Feb. 15.
- Fluorocarbons. E. T. McBee, V. V. Lindgren, and W. B. Ligett. 2,488,216, Nov. 15.
- Fluorocarbons, Anellated. E. T. McBee and L. D. Bechtol. 2,459,782, Jan. 25.
- Fluorocarbons, Production of. N. F. Sarsfield. 2,473,911, June 21.
- Fluorocyclohexyl amine compounds. J. H. Simons.
- Fluoroethylene Interpolymers, Preparation of. R. M. Joyce, Jr., and J. C. Sauer. 2,479,367, Aug. 16.
- Fluorohydrocarbons, Preparation of. L. F. Salisbury. 2,469,848, May 10.
- 2,490,099, Dec. 6.
- Fluoromethyltriazines. G. W. Rigby. 2,484,528, Oct. 11.
- Fluorophosphonic acid compounds, Production of. H. McCombie, B. C. Saunders, N. B. Chapman, and R. Heap. 2,489,917, Nov. 29.
- Fluoropiperidine compounds. J. H. Simons. 2,490,098, Dec. 6.
- Fluoroscopic device, Dental. E. J. Pedrick. 2,465,263, Mar. 22.
- Fluorspar, Treatment of. J. N. Wynne. 2,465,955, Mar. 29.
- Flush-pin gauge. S. T. Stoothoff. 2,466,185, Apr. 5.
- Flush tank. V. F. Smith. 2,486,336, Oct. 25.
- Flush type toggle latch. A. F. Gander. 2,479,921, Aug. 23.
- Flush valve. A. C. Dobrick. 2,472,576, June 7.
- Flusher, Sewer. B. Morris. 2,485,008, Oct. 18.
- Flushing composition for engine lubricating systems. J. D. Morgan and R. E. Lowe. 2,471,390, May 24.
- Flushing compositions. C. M. Loane and T. H. Rogers. 2,491,120, Dec. 13.
- Flushing device. G. A. Norman. 2,461,656, Feb. 15.
- Flushing mechanism for water closets. W. H. Young. 2,487,205, Nov. 8.
- Flushing mechanism, Water closet. L. E. Van Dercar. 2,472,634, June 7.
- Flushing system for water storage basins. G. N. Russel. 2,463,808, Mar. 8.
- Fluting attachment for irons. C. L. Kelley. 2,465,881, Mar. 29.
- Flux. R. Andrews. 2,482,533, Sept. 20.
- Flux coating, Weldrod. R. D. Wasserman. 2,471,803, May 31.
- Flux compositions and processes, Galvanizing. C. A. Vana. 2,481,457, Sept. 6.
- Flux element for use in arc welding. G. G. Landis. 2,468,372, Apr. 26.
- Flux for magnesium and magnesium base alloys, Production of. T. S. Perrin and R. A. Seybert. 2,486,433, Nov. 1.
- Flux, Galvanizing. E. R. Boller, L. D. Eubank, and R. J. Keper. 2,473,004, June 14.
- Fluxmeter. T. A. Rich. 2,484,587, Oct. 11.
- Flux meter. V. Russell. 2,459,341, Jan. 18.
- Flux, Soft soldering. J. E. Strader. 2,470,957, May 24.
- Flux, Soldering. J. P. A. McCoy. 2,482,923, Sept. 27.
- Flux, Soldering. W. H. Rinkenbach and A. J. Clear. 2,471,451, May 31.
- Flux, Soldering. W. H. Rinkenbach and A. J. Clear. 2,474,863, July 5.
- Flux, Soldering. A. L. Wells. 2,457,232, Jan. 4.
- Flux valve system, Self-synchronous. R. V. Craddock and R. S. Curry, Jr. 2,475,593, July 12.
- Fluxes and processes employing them, Foaming galvanizing. L. D. Eubank and C. J. Krister. 2,473,580, June 21.
- Fluxes and processes employing them, Foaming-type galvanizing. L. D. Eubank. 2,473,579, June 21.
- Fluxes, Welding. R. D. Wasserman. 2,479,798, Aug. 23.
- Fluxing materials, Preparing. J. J. Bowden and J. S. Suda. 2,480,901, Sept. 6.
- Fluxing mechanism, Can body solder. D. E. Wobbe and W. F. Pillnik. 2,460,866, Feb. 8.
- Fly killer. G. Wisen. 2,490,498, Dec. 6.
- Fly reel seat. R. L. Burden. 2,474,343, June 28.
- Flytrap. H. L. Johnson. 2,478,104, Aug. 2.
- Flytrap. J. F. Nagel. 2,468,227, Apr. 26.
- Fly tying bobbin holder. E. D. Witkovic. 2,487,625, Nov. 8.
- Fly-tying finisher. I. W. Arnold. 2,491,702, Dec. 20.
- Flywheel. S. D. Russell. 2,474,370, June 28.
- Flying machine, including features of a helicopter and an autogiro. L. A. Hayot. 2,491,042, Dec. 13.
- Flytier. D. F. Drow. 2,478,255, Aug. 9.
- Foam breaker. H. W. Denhard. 2,490,421, Dec. 6.
- Foam breaker, Centrifugal. L. P. Sharples. 2,489,678, Nov. 29.
- Foam control in brown stock washing. F. W. Young. 2,478,150, Aug. 2.
- Foamer, Mechanical. J. F. P. Newhall and M. C. Barker. 2,488,876, Nov. 22.
- Foam-forming composition, Stabilized. J. M. Perri. 2,470,719, May 17.
- Foaming in steam generation, Prevention of. P. G. Bird and A. L. Jacoby. 2,481,899, Sept. 13.
- Foaming in the concentration of surface-active agents, Prevention of. R. B. Scott, Jr. 2,462,999, Mar. 1.
- Focus control for cathode-ray tubes, Automatic. A. H. Mankin. 2,472,165, June 7.
- Focusing apparatus for enlargers. J. H. Eagle. 2,469,685, May 10.
- Focusing arrangement for cathode-ray tubes. R. B. Gethmann. 2,483,133, Sept. 27.
- Focusing arrangement for electron discharge devices of the electron velocity modulation type. J. H. Fremlin. 2,483,407, Oct. 4.
- Focusing device for cameras, Manually operable. E. J. Hackethorn. 2,482,107, Sept. 20.
- Focusing electron microscopes, etc. J. Hillier and S. G. Ellis. 2,464,396, Mar. 15.
- Focusing means for autofocus enlargers, Manual fine. A. Simmon. 2,469,009, May 3.
- Focusing mechanism for cathode-ray tubes. G. K. Schnable. 2,466,331, Apr. 5.
- Fog inhibitor for photographic emulsions. W. F. Smith and A. P. H. Trivelli. 2,472,626, June 7.
- Fog inhibitor for photographic emulsions. W. F. Smith and R. E. Stauffer. 2,472,627, June 7.
- Foldable canopy frame. B. B. Westmoreland and B. G. Barnett. 2,465,302, Mar. 22.
- Foldable chair. L. E. Dorschner. 2,468,491, Apr. 26.
- Foldable compartment box. E. Morand. 2,474,751, June 28.
- Foldable drying rack. E. M. Holt. 2,483,051, Sept. 27.
- Foldable ironing board. J. J. Foglio. 2,485,193, Oct. 18.
- Foldable reel. J. C. Hancock. 2,461,979, Feb. 15.
- Foldable support. A. J. Bradford. 2,480,702, Aug. 30.
- Foldable vehicle. J. J. and W. J. Banaszak. 2,468,914, May 3.
- Folded box. B. H. Barter. 2,468,951, May 3.
- Folded table with paired legs. F. J. Woodruff. 2,474,450, June 28.
- Folder. S. M. Zimmerman. 2,473,352, June 14.
- Folder and sample kit, Display card. S. Wechsler. 2,463,338, Mar. 1.
- Folder, Multisectioned. I. Hambrock. 2,468,973, May 3.
- Folding apparatus. F. M. McBeth. 2,490,697, Dec. 6.
- Folding apparatus with yieldable knee joint for actuating the folder, Can body blank. P. E. Pearson and R. M. Mero. 2,487,365, Nov. 8.
- Folding article. R. M. Kraska. 2,460,459, Feb. 1.
- Folding bath stand and dressing table, Infant's. C. T. De Puy and W. C. Baxter. 2,481,577, Sept. 13.
- Folding beauty-health board. A. Burkett and G. V. Reager. 2,479,469, Aug. 16.
- Folding berry box. J. Gagnon. 2,471,147, May 24.
- Folding box. C. E. Butcher. 2,490,779, Dec. 13.
- Folding box. J. F. Conway. 2,469,497, May 10.
- Folding box. G. J. Evans. 2,458,578, Jan. 11.
- Folding box. H. L. Greve. 2,488,121, Nov. 15.
- Folding box. J. Srofe. 2,470,270, May 17.
- Folding box. H. A. Tomarin. 2,464,904, Mar. 22.
- Folding box. A. Whittaker. 2,461,618, Feb. 15.
- Folding chair. W. M. Maddocks. 2,490,367, Dec. 6.
- Folding chair. M. D. Rechler. 2,467,909, Apr. 19.

- Folding clothesbasket carrier. W. F. Meyer. 2,462,274, Feb. 22.
- Folding clothes rack. W. N. Applegate and C. A. Petersen. 2,469,911, May 10.
- Folding clothes rack. H. E. Turner. 2,481,797, Sept. 13.
- Folding coat hanger. L. F. and C. J. McKnelly. 2,478,590, Aug. 9.
- Folding device for shipping cartons. Tow. T. L. Nash. 2,468,834, May 3.
- Folding lap table. W. Monahan. 2,471,003, May 24.
- Folding lawn chair. G. E. Wilson. 2,492,342, Dec. 27.
- Folding machine. M. D. Alber. 2,470,754, May 24.
- Folding machine. C. Christiansen. 2,478,459, Aug. 9.
- Folding machine. E. D. Coston. 2,469,813, May 10.
- Folding machine. L. R. Dickenson. 2,470,762, May 24.
- Folding machine. A. Eppler, Jr. 2,474,832, July 5.
- Folding machine. W. Holms. 2,461,214, Feb. 8.
- Folding machine. H. D. Lawrie. 2,470,072, May 10.
- Folding machine. C. S. Malott, Jr. 2,464,823, Mar. 22.
- Folding machine and method. Box. W. M. Kucklinsky. 2,462,513, Feb. 22.
- Folding machine. Box. F. A. Spinale. 2,486,074, Oct. 25.
- Folding machine. Carton. A. R. Cake. 2,458,341, Jan. 4.
- Folding machine. Dough. J. Buechek. 2,458,338, Jan. 4.
- Folding machine. Fabric. G. Haeberlin. 2,482,764, Sept. 27.
- Folding machine. Plastic sheet. R. F. Taber. 2,487,495, Nov. 8.
- Folding overhead door. M. Mattson. 2,488,496, Nov. 15.
- Folding paper box. W. G. Anderson, Jr. 2,492,454, Dec. 27.
- Folding pedal wrench. A. P. Rippenbein. 2,470,414, May 17.
- Folding push chair. B. C. W. Spackman. 2,473,350, June 14.
- Folding rapid spinner wrench. E. W. Ellison. 2,465,152, Mar. 22.
- Folding seat. W. G. Heifner. 2,484,454, Oct. 11.
- Folding substructure. H. J. Woolsey and C. Jenkins. 2,463,841, Mar. 8.
- Folding support. M. Lange and M. Spiegel. 2,459,280, Jan. 18.
- Folding table. H. V. Gaudette. 2,471,564, May 31.
- Folding table. A. E. Puls and E. R. Swenson. 2,464,939, Mar. 22.
- Folding table. C. H. Roberts. 2,462,677, Feb. 22.
- Folding table leg lock. N. K. Brown. 2,463,082, Mar. 1.
- Folding unit, Shirt. E. Suhajda. 2,491,289, Dec. 13.
- Folding wall table. L. W. Walters. 2,484,326, Oct. 11.
- Folic acid, Manufacture of. H. Spiegelberg. 2,487,393, Nov. 8.
- Follower for filing receptacles. L. A. Wilson and B. Grady. 2,489,350, Nov. 29.
- Following and recording. W. J. Kinderman. 2,472,019, May 31.
- Follow-up apparatus, Electrical. K. Rath. 2,458,731, Jan. 11.
- Follow-up motor control circuit. R. D. McCoy. 2,478,203, Aug. 9.
- Follow-up system, Electrical. R. D. McCoy. 2,464,249, Mar. 15.
- Follow-up system, Geared. J. W. Dawson. 2,480,634, Aug. 30.
- Follow-up system with two circuits alternately supplied with constant and variable currents. C. R. Mikolic. 2,489,241, Nov. 22.
- Food article and preparing, Prepared. P. L. Spencer. 2,480,679, Aug. 30.
- Food composition, Packaged. L. Armstrong and L. B. Willoughby. 2,478,618, Aug. 9.
- Food composition, Packaged. S. L. Galvin. 2,468,744, May 3.
- Food container. W. E. Green. 2,472,582, June 7.
- Food forming machine. S. Santo. 2,475,463, July 5.
- Food grating and shredding device. R. Heard. 2,482,180, Sept. 20.
- Food preparations from potatoes and similar farinaceous tubers, Production of. M. C. Schaul. 2,469,995, May 10.
- Food preparations from potatoes and similar farinaceous tubers, Production of. M. C. Schaul. 2,470,374, May 17.
- Food preservation. F. L. Iungerich. 2,472,017, May 31.
- Food product. H. M. Dux. 2,483,761, Oct. 4.
- Food product and packing method, Packaged. G. F. Salerno. 2,489,726, Nov. 29.
- Food product, Production of gun-puffed, ready-to-eat. J. J. Thompson and W. P. Penty. 2,478,438, Aug. 9.
- Food product, Vitamin. W. Fux. 2,480,103, Aug. 30.
- Food products, Making. D. B. Vincent. 2,471,363, May 24.
- Food products, Preparation of dehydrated. W. A. Webb. 2,473,184, June 14.
- Food treatment process. M. E. Dunkley. 2,490,951, Dec. 13.
- Foods for quick freezing, Preparing. M. J. Lamperti. 2,479,171, Aug. 16.
- Foods, Preserving. L. B. Howard, W. D. Ramage, and C. L. Rasmussen. 2,477,605, Aug. 2.
- Foodstuffs from leguminosae, Manufacturing. F. A. Möller. 2,475,554, July 5.
- Foot actuated rotary switch. N. H. Koertge and E. L. Rucks. 2,482,550, Sept. 20.
- Foot condition indicator. P. S. Doumitt. 2,480,361, Aug. 30.
- Foot exerciser. A. O. Shock. 2,476,921, July 19.
- Foot exerciser pad. M. H. Herzmark. 2,465,725, Mar. 29.
- Foot flush. E. Farson. 2,467,019, Apr. 12.
- Foot for leg prostheses, Turnable. U. K. Henschke and H. A. Mauch. 2,490,806, Dec. 13.
- Foot for sewing machines, Gauge. J. Wallsh. 2,478,032, Aug. 2.
- Foot-operated step-by-step switch. J. P. Martinka. 2,491,748, Dec. 20.
- Footpad. B. D. and S. Freedman. 2,461,047, Feb. 8.
- Foot plate device, Orthopedic. R. Anderson. 2,469,361, May 10.
- Footrail, Adjustable. A. B. Bell. 2,458,463, Jan. 4.
- Footrail for vehicle seats. A. B. Bell. 2,464,370, Mar. 15.
- Foot rail, Horizontally adjustable. A. B. Bell. 2,481,970, Sept. 13.
- Footrest. N. Alikas. 2,461,622, Feb. 15.
- Footstool and table, Combination. A. Winter and V. Hagerty. 2,470,011, May 10.
- Foot support. J. and D. Katz. 2,468,264, Apr. 26.
- Foot supporting device for shoes. G. E. Burford. 2,458,501, Jan. 11.
- Foot treating cabinet. M. Resek. 2,488,327, Nov. 15.
- Footwear. A. Atlas. 2,463,348, Mar. 1.
- Footwear. V. S. Brown. 2,491,297, Dec. 13.
- Footwear, Producing felt. W. Pasko. 2,472,263, June 7.
- Footwear with hidden seams, Flexible-reversible. L. Miller. 2,490,916, Dec. 13.
- Force applying tool. O. Mueller. 2,487,262, Nov. 8.
- Force transmitting member. C. F. Bachle. 2,482,312, Sept. 20.
- Forced air heater. L. N. Walter. 2,478,069, Aug. 2.
- Forced air refrigerated display cabinet. M. Rifkin. 2,480,339, Aug. 30.
- Forced circulation electrically heated space heater. J. M. Hinds. 2,458,268, Jan. 4.
- Forceps, Surgical. B. Richter. 2,478,595, Aug. 9.
- Forging or upsetting of metal rods or bars using electric resistance heating. M. O. Hanna. 2,473,245, June 14.
- Fork, Carving. B. M. Miller. 2,487,166, Nov. 8.
- Fork, Ejector roasting. F. Kaminski. 2,483,546, Oct. 4.
- Fork for motorcycles. B. Benson. 2,475,774, July 12.
- Fork, Tuning. A. G. Cooley. 2,489,400, Nov. 29.
- and J. E. Snow. 2,464,430, Mar. 15.
- Form and posture corrective chair. R. E. Wimby. 2,482,996, Sept. 27.
- Form for brassière, Wire. H. L. Schwartz. 2,463,319, Mar. 1.
- Form for building concrete structures. C. M. Dicus. 2,480,840, Sept. 6.
- Form for building hollow articles. D. G. Rempel. 2,460,845, Feb. 8.
- Form for building septic tanks. P. N. Sitton. 2,485,850, Oct. 25.
- Form for casting foundation floors. A. R. and M. J. Raymond. 2,486,979, Nov. 1.
- Form for concrete floors, Construction. J. J. Pirz. 2,459,044, Jan. 11.
- Form for concrete wall construction, Sectional. J. C. Robinson. 2,491,212, Dec. 13.
- Form for electric winding coil. L. L. Mayer. 2,472,603, June 7.
- Form for use in molding burial vaults and the like, Interior. J. S. Schopf. 2,492,893, Dec. 27.
- Formaldehyde and apparatus therefor, Manufacture of. R. P. Rossman. 2,467,993, Apr. 19.
- Formaldehyde condensation products of mercaptans and making same. M. W. Harman. 2,470,555, May 17.
- Formaldehyde, Preparation of. W. A. Payne. 2,467,223, Apr. 12.
- Formaldehyde, Production of. W. B. Meath. 2,462,413, Feb. 22.
- Formaldehyde, Production of. H. B. Uhl and I. H. Cooper. 2,465,498, Mar. 29.
- Formals of pentaerythritol, Production of. R. H. Barth. 2,476,301, July 19.
- Formation control. F. A. Jenks. 2,476,301, July 19.
- Formation of continuous laminated biscuit dough or other webs. G. R. Baker. 2,478,075, Aug. 2.
- Former, Automatic hat. H. F. Fitch. 2,463,759, Mar. 8.
- Forming and dispensing machine, Ice cube. V. T. Erickson and E. F. Davis. 2,460,341, Feb. 1.
- Forming and loading machine, Magazine. J. M. Bowen. 2,481,070, Sept. 6.
- Forming and welding contacts, Method of and apparatus for. A. F. Plyto, and H. E. Butterfield, Jr. 2,477,894, Aug. 2.
- Forming cast-in-place concrete incasements of previously driven piles. J. H. Thornley and H. L. Caudill. 2,488,073, Nov. 15.
- Forming chemical reaction products of metal oxides. R. Pyzel. 2,469,989, May 10.
- Forming coated optical elements from polymerizable materials. J. Johnson. 2,479,935, Aug. 23.
- Forming collapsible partitions. J. M. Flora and J. A. Weber. 2,487,122, Nov. 8.
- Forming die castings on mountings or carrier members. L. H. Morin. 2,465,656, Mar. 29.
- Forming device. L. A. Beauchemin. 2,475,539, July 5.
- Forming device, Carton. D. Ray. 2,483,063, Sept. 27.

- Forming endless belts useful as sound recording media. R. G. Rowe and G. B. Bona. 2,464,060, Mar. 8.
- Forming felted fibrous insulating material. J. O. Brelsford and H. O. Sheidley. 2,467,291, Apr. 12.
- Forming fibrous webs, Method and apparatus for. E. P. Miller. 2,466,906, Apr. 12.
- Forming fine filaments. G. A. Spencer. 2,476,830, July 19.
- Forming flat helical structures. R. L. Potter and F. C. Huber. 2,467,227, Apr. 12.
- Forming interlocking slots in fasteners. W. Hungate. 2,477,607, Aug. 2.
- Forming low pH hydrogel beads. M. M. Marisic and A. C. Schmitt. 2,464,329, Mar. 15.
- Forming machine, Wire. A. S. Wahl. 2,486,450, Nov. 1.
- Forming means for profile grinding wheels. C. B. A. Porter and C. P. Seymour. 2,469,844, May 10.
- Forming means for strip-metal forming machines, Supplementary. F. and I. Himmel. 2,458,906, Jan. 11.
- Forming metal, Method and machine for. C. E. Unger. 2,488,353, Nov. 15.
- Forming nonthermoplastic synthetic resin films. G. T. Vaala. 2,458,451, Jan. 4.
- Forming paper end closures, Method of and apparatus for. W. F. Punte. 2,492,886, Dec. 27.
- Forming precision bore glass tubing. S. J. Everett. 2,458,934, Jan. 11.
- Forming printing plates. B. F. Terry. 2,462,570, Feb. 22.
- Forming stockings and the like, Method of and apparatus for. H. C. Gillespie. 2,469,640, May 10.
- Forming the surface of grinding wheels. A. Schrivener. 2,468,241, Apr. 26.
- Forming threaded caps, Method and apparatus for. L. R. N. Carvalho. 2,471,307, May 24.
- Forming, trimming, and then stacking or stringing die castings. L. H. Morin. 2,479,695, Aug. 23.
- Forming tubes from sheet material, Method and apparatus for. D. C. Thompson. 2,490,930, Dec. 13.
- Forming wells, Method of and apparatus for. I. J. McCullough. 2,471,695, May 31.
- Forming yarns. R. Burgess, Jr. 2,462,842, Mar. 1.
- Formwork for molding concrete columns and the like. W. Hamilton. 2,475,890, July 12.
- Fortifying grain products. M. F. Furter and W. M. Lauter. 2,475,133, July 5.
- Forwarder for corn pickers and huskers, Stalk. R. P. Messenger. 2,458,791, Jan. 11.
- Foul ball indicator. A. K. Nelson. 2,461,836, Feb. 15.
- Foundation. A. Larquetoux. 2,468,265, Apr. 26.
- Foundation, Basic arch. H. E. Hukill. 2,486,653, Nov. 1.
- Foundation garment, Cross stretch. C. Brown. 2,484,265, Oct. 11.
- Foundation garment, Stretchable reinforced diagonal. C. Brown. 2,481,818, Sept. 13.
- Foundation with sill, Concrete. C. L. Wilson. 2,483,080, Sept. 27.
- Foundry sand preparation process. A. F. Jackson and C. B. Schneible. 2,487,139, Nov. 8.
- Fountain, Adjustable drinking. C. R. McCormick. 2,490,699, Dec. 6.
- Fountain device, Bubble. L. H. Snyder. 2,474,286, June 28.
- Fountain, Drinking. C. G. Shepherd. 2,472,387, June 7.
- Fountain, Ink. W. M. Pollock. 2,477,141, July 26.
- Fountain pen, Ball point. H. H. Band. 2,474,300, June 28.
- Fountain pen, Illuminated. J. J. Devine. 2,484,154, Oct. 11.
- Fountain pen nib. R. T. Wing. 2,483,603, Oct. 4.
- Fountain, Poultry. B. A. Parker. 2,491,014, Dec. 13.
- Fountain, Poultry drip. C. De La Grange. 2,474,469, June 28.
- Fountain, Poultry watering. B. A. Parker. 2,489,431, Nov. 29.
- Fountain, Stock watering. A. F. Klinzing. 2,476,876, July 19.
- Fountain, Watering. M. C. Townsend. 2,466,135, Apr. 5.
- 4-Aryl-4-carbalkoxy-piperidines, Preparation of. H. Kaegi and K. Miescher. 2,486,795, Nov. 1.
- Four component highly corrected wide angular field objective with small petzval sum. M. J. Herzberger. 2,466,424, Apr. 5.
- Four component photographic objective having the first two cemented surfaces convex to the front. W. Schade. 2,461,182, Feb. 8.
- 4,4'-bis(amino-t-butyl) substituted aromatic hydrocarbons. W. Kirk, Jr. and R. S. Schreiber. 2,464,692, Mar. 15.
- 4,4'-divinyl-biphenyl, Preparation of. F. Rosenthal. 2,465,486, Mar. 29.
- 4,4'-isopropylidene bis-(2-isopropylphenol). A. J. Dietzler. 2,482,748, Sept. 27.
- 4,5-dihydro-2-imidazolethiones. F. B. Zienty. 2,480,819, Aug. 30.
- 4-hydroxyquinolines, Preparation of. E. H. Northey and P. F. Dreisbach. 2,478,125, Aug. 2.
- Four-piece hose coupling. J. N. Wolfram and S. W. Packard. 2,470,538, May 17.
- 4:7-dichloro-(2:1)-naphthindole-2:2'-(2':1')-naphthathionaphthene indigo. D. G. Wilkinson. 2,472,356, June 7.
- 4-substituted-atetrahydro-2-naphthols, Preparing. C. G. Vogt and J. M. Wilkinson, Jr. 2,458,485, Jan. 4.
- 4-[(2-amino-4-hydroxy-6-pteridyl)methyl]amino benzene sulfonylamide and salts thereof. G. J. Martin and S. Avakian. 2,476,557, July 19.
- 4-(2-pyrryl) thiazoles and 4-(2-pyrryl) selenazoles. E. B. Knott, F. M. Hamer, and R. J. Rathbone. 2,481,674, Sept. 13.
- 4-vinylcyclohexene dioxide, Polymerization of. G. H. Segall. 2,460,195, Jan. 25.
- Four-way valve. J. B. Van der Werff. 2,476,519, July 19.
- Four-wheel trolley bracket. J. B. Webb and A. G. Rose. 2,470,060, May 10.
- Fowl killing device. A. Silfen. 2,466,489, Apr. 5.
- Fractional distillation. C. G. Gerhold. 2,479,108, Aug. 16.
- Fractional frequency generator. L. Batchelder. 2,460,800, Feb. 8.
- Fractionating apparatus. G. S. Houghland. 2,476,095, July 12.
- Fractionating apparatus, Bread loaf. J. P. Hauswald. 2,484,222, Oct. 11.
- Fractionating methane and ethane from hydrocarbon mixtures. J. W. Latchum, Jr. 2,487,147, Nov. 8.
- Fractionation apparatus. R. O. Wright. 2,471,134, May 24.
- Fractionation of linear polyamides and products obtained thereby. G. B. Taylor. 2,473,920, June 21.
- Fractions of highly branched paraffins, Preparation of odorless. H. R. Legatski and C. C. Crawford. 2,468,986, May 3.
- Fractance emitting device. D. R. Peterson. 2,465,474, Mar. 29.
- Frame: See—
- Acoustical tile supporting frame. Interchangeable eye lens frame.
- Adjustable bed frame. Motor bike frame.
- Bee comb foundation frame. Paper pad frame.
- Bent glass or plastic picture frame. Plastic picture frame.
- Bicycle frame. Pool ball spotting frame.
- Cabinet front frame. Portable and foldable corn-shocking frame.
- Canopy frame. Railway car truck side frame.
- Cap frame. Registration frame.
- Column frame. Ring spinning frame.
- Couch frame. Slotted spectacle frame.
- Door frame. Spectacle frame.
- Film supporting frame. Spinning frame.
- Fish hook supporting frame. Tent frame.
- Foldable canopy frame. Thermoplastic luggage frame.
- Garment frame. Umbrella frame.
- Garment supporting frame. Welded motor frame.
- Illuminated electric razor frame. Window frame.
- Frame and brake support structure, Side. C. J. Clasen. 2,470,237, May 17.
- Frame and closure unit, Scuttle. L. S. Baier. 2,488,796, Nov. 22.
- Frame and double sash unit, Window. P. M. Henderson and L. H. Gatter. 2,471,685, May 31.
- Frame and sash, Window. E. H. McClintock. 2,473,657, June 21.
- Frame and wheel mounting therefor, Trailer. G. Carraher. 2,488,002, Nov. 15.
- Frame construction, Engine. E. Chapman and J. Barraja-Frauenfelder. 2,486,927, Nov. 1.
- Frame construction, Eyeglass. J. E. Hansen. 2,490,868, Dec. 13.
- Frame construction, Bee comb. G. Dunham. 2,458,838, Jan. 11.
- Frame construction for kites and like toys. H. M. and H. F. Chu. 2,461,465, Feb. 8.
- Frame construction, Motor vehicle. K. E. Lyman. 2,485,500, Oct. 18.
- Frame for artists' canvases with expanders. C. G. Bearce. 2,491,600, Dec. 20.
- Frame for automobile vehicles. M. F. A. Julien and A. A. F. Motte. 2,488,978, Nov. 22.
- Frame for bowling alleys and removable pit cushions therefor. L. Ricci. 2,485,775, Oct. 25.
- Frame for carriage bodies, Upholstered top. J. A. Conti. 2,467,612, Apr. 19.
- Frame for dynamoelectric machines. J. Nader. 2,470,408, May 17.
- Frame for dynamoelectric machines, Magnet. H. E. Stokes. 2,492,016, Dec. 20.
- Frame for interchangeable mop heads, Mop head. M. C. McDermott. 2,490,224, Dec. 6.
- Frame for looms, Harness. R. G. Turner. 2,483,857, Oct. 4.
- Frame for nailing machines. H. D. Benson. 2,475,124, July 5.
- Frame for openings in pressure cabins for aircraft, Elliptical boundary. B. Stephenson. 2,473,616, June 21.
- Frame for photographic films or plates, Developing. C. O. Ullman. 2,489,548, Nov. 29.
- Frame for spring assemblies, Marginal. J. A. Saval. 2,487,384, Nov. 8.
- Frame having pivoted corner-pieces, Picture. G. Rosenberg and L. Spielman. 2,471,545, May 31.
- Frame member, Extruded. G. G. Gilpin. 2,460,982, Feb. 8.

- Frame, Photographic print mounting. R. I. Wisdom. 2,487,403 Nov. 8.
- Frame shifting apparatus. I. J. Kuert. 2,477,064, July 26.
- Frame straightener tool. R. D. Smith. 2,482,738, Sept. 20.
- Frame structure for printing press units and assembling method therefor. H. E. Peyrebrune and A. G. Jacobson. 2,479,023, Aug. 16.
- Frame structure for webbed material. F. Kautz. 2,464,814, Mar. 22.
- Framework for typewriters. G. Prezioso. 2,483,843, Oct. 4.
- Frames for supporting and rotating long cylindrical vessels during welding. Bench. H. Yates. 2,462,702, Feb. 22.
- Frames pivotally connected by stretch producing hinges. Bending. E. V. Block. 2,474,652, June 28.
- Framing elements. F. Kautz. Re. 23,153, Oct. 4.
- Framing for the protection of the joint between a sink and a linoleum-surfaced drain board. J. S. Van Bommel. 2,480,792, Aug. 30.
- Framing, Temporary erection. J. S. Barth. 2,479,550, Aug. 23.
- Free piston gas generator. D. E. Davis. 2,478,375, Aug. 9.
- Free piston machine provided with pneumatic starting means. H. B. Horgen. 2,462,745, Feb. 22.
- Freezer, Food and cream. D. L. Calmes. 2,491,952, Dec. 20.
- Freezer, Ice-cream. L. H. Knibb. 2,488,668, Nov. 22.
- Freezer shelf-coil arrangement. R. Chapman. 2,490,995, Dec. 13.
- Freezer shelf construction. D. Collins. 2,473,508, June 21.
- Freezing comestibles with compatible solutions. H. A. Noyes. 2,482,202, Sept. 20.
- Freezing device. R. E. Elliott. 2,474,936, July 5.
- Freezing machine, Package. G. F. Dodson. 2,478,465, Aug. 9.
- Freezing unit, Continuous. A. K. Scriven. 2,479,871, Aug. 23.
- Freight bracing. S. M. Nampa. 2,466,728, Apr. 12.
- Freight car door lock. S. S. Lauver. 2,466,855, Apr. 12.
- Freight container. L. D. Smith, R. A. Stearn and C. R. Christianson. 2,457,841, Jan. 4.
- Freight container. L. D. Smith and R. A. Stearn. 2,457,842, Jan. 4.
- Freight handling. W. W. Longwell. 2,467,323, Apr. 12.
- Frequency changer. S. A. Lott. 2,490,448, Dec. 6.
- Frequency changer. J. R. Schoenbaum and W. H. Clark, Jr. 2,466,560, Apr. 5.
- Frequency changer, Static. R. W. Jones. 2,473,999, June 21.
- Frequency control, Automatic. L. E. Thompson. 2,462,294, Feb. 22.
- Frequency control system. O. R. Miller. 2,477,076, July 26.
- Frequency control, Thermally actuated. E. T. Jaynes. 2,477,616, Aug. 2.
- Frequency displacement. W. W. Wiseman and R. B. Wright. 2,476,343, July 19.
- Frequency divider. E. Norman. 2,479,180, Aug. 16.
- Frequency divider circuit. K. H. Davis. 2,477,047, July 26.
- Frequency divider circuit. C. E. Hallmark. 2,467,476, Apr. 19.
- Frequency divider, Double diode variable. N. F. Smith, Jr. 2,487,191, Nov. 8.
- Frequency generating system. M. A. Lalande. 2,459,822, Jan. 25.
- Frequency measuring circuit. J. A. Rajchman and E. A. Goldberg. 2,467,777, Apr. 19.
- Frequency measuring circuit. J. A. Rajchman and E. A. Goldberg. 2,492,368, Dec. 27.
- Frequency measuring device and remote-control system. E. M. Sorensen. 2,482,804, Sept. 27.
- Frequency modulated oscillator control. R. H. Ranger. 2,474,278, June 28.
- Frequency modulating device. L. de Forest. 2,462,367, Feb. 22.
- Frequency modulation. J. G. Beard and L. W. Born. 2,469,289, May 3.
- Frequency modulation. G. L. Usselman. 2,463,661, Mar. 8.
- Frequency modulation distance indicator. R. G. Shankweiler and D. Blitz. 2,459,461, Jan. 18.
- Frequency-modulation monitoring. C. L. Race. 2,484,586, Oct. 11.
- Frequency modulation of klystrons. N. C. Barford. 2,464,549, Mar. 15.
- Frequency modulation receiver. E. H. B. Bartelink. 2,465,782, Mar. 29.
- Frequency modulation receiver. M. S. Corrington. 2,488,585, Nov. 22.
- Frequency modulation reception. H. Tunick. 2,488,612, Nov. 22.
- Frequency modulation system. S. Frankel. 2,462,852, Mar. 1.
- Frequency modulation system. C. R. Muller. 2,489,311, Nov. 29.
- Frequency modulation system. G. T. Royden. 2,483,438, Oct. 4.
- Frequency monitoring system. H. R. Summerhayes, Jr., and P. W. Howells. 2,478,023, Aug. 2.
- Frequency multiplier. R. H. Varian. 2,466,754, Apr. 12.
- Frequency multiplier apparatus. A. E. Harrison. 2,466,704, Apr. 12.
- Frequency operative azimuth indicator. A. Frum. 2,462,853, Mar. 1.
- Frequency reducer. H. M. Hugs. 2,468,878, May 3.
- Frequency reducer, Magnetic. H. J. McCreary. 2,461,992, Feb. 15.
- Frequency regulating system. M. S. Mead, Jr. 2,468,569, Apr. 26.
- Frequency scanning arrangement. M. Silver. 2,468,126, Apr. 26.
- Frequency selection circuit. V. H. Vogel. 2,475,065, July 5.
- Frequency sensitive circuit. L. E. Matson, Jr., and R. N. Lesnick. 2,472,167, June 7.
- Frequency stabilization of alternating current networks. H. Doll. 2,463,252, Mar. 1.
- Frequency-stabilizing system. G. G. Bruck and P. J. Pontecorvo. 2,462,841, Mar. 1.
- Frequency-stabilizing system. G. G. Bruck and P. E. Volz. 2,486,001, Oct. 25.
- Frequency variation system for echo ranging. W. W. Wiseman and R. B. Wright. 2,491,540, Dec. 20.
- Frictionally driven switch. A. B. Kline. 2,488,629, Nov. 22.
- Friction assembly unit for brakes or the like. H. T. Lambert. 2,467,980, Apr. 19.
- Friction bolster spring. C. P. Leese. 2,470,172, May 17.
- Friction bolster spring. C. P. Leese. 2,476,200, July 12.
- Friction brake. A. E. Jennings. 2,487,711, Nov. 8.
- Friction device for damping shimmy in caster wheels. A. E. Bishop. 2,482,961, Sept. 27.
- Friction element. R. B. Bennett and R. E. Spokes. 2,464,632, Mar. 15.
- Friction element comprising discrete particles of insoluble furfuraldehyde ketone resin. M. T. Harvey. 2,461,508, Feb. 15.
- Friction element for brakes. J. G. Oetzel. 2,469,127, May 3.
- Friction letoff. F. G. Lake and J. W. Trimmer. 2,478,283, Aug. 9.
- Friction material. R. Schaefer. 2,470,269, May 17.
- Friction plates, Manufacturing. F. De Marinis. 2,480,076, Aug. 23.
- Friction shock absorbing mechanism. G. E. Dath. 2,471,061, May 24.
- Friction shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,481,575, Sept. 13.
- Friction shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,489,403, Nov. 29.
- Fringe machine. R. S. MacCaffray, Jr. 2,485,396, Oct. 18.
- Front type thermostat mounting. E. J. Sanders. 2,472,728, June 7.
- Frost removing composition. J. B. Holtzclaw. 2,462,970, Mar. 1.
- Froth flotation of apatite using calcium silicate. S. P. Moyer. 2,471,341, May 24.
- Froth flotation of copper sulfide ores with lignin sulfonates. R. B. Booth and R. A. Pickens. 2,485,083, Oct. 18.
- Froth flotation of iron impurities from feldspar. E. W. Gieseke. 2,483,192, Sept. 27.
- Froth flotation of iron ore, Cationic. F. D. De Vaney. 2,483,890, Oct. 4.
- Froth flotation of iron ores. E. C. Herkenhoff. 2,466,987, Apr. 12.
- Froth flotation of iron ore with sulfonated fatty acid. R. B. Booth and E. C. Herkenhoff. 2,475,581, July 12.
- Froth flotation of nonmetallic ores with black liquor soap in acid circuit. E. W. Gieseke. 2,466,671, Apr. 12.
- Froth flotation of oxide iron ore. F. D. DeVaney. 2,470,150, May 17.
- Froth flotation of oxidized zinc ores. W. J. McKenna and V. Lessels, and E. C. Peterson. 2,482,859, Sept. 27.
- Froth flotation of sulfide ores. R. B. Booth and R. A. Pickens. 2,471,384, May 24.
- Froth flotation of sulfide ores in the presence of a N-dichlorothiocarbanilide. R. B. Martin. 2,458,523, Jan. 11.
- Froth flotation of sulfide ores with phenyl-imido-amyldithiocarbonate. R. Carvajal and J. J. Quiroga. 2,469,368, May 10.
- Frozen food dispenser. M. Rifkin. 2,460,396, Feb. 1.
- Frozen food plant. P. T. Jude. 2,484,572, Oct. 11.
- Frozen food vehicle. J. W. Martin. 2,466,994, Apr. 12.
- Fruit and vegetable products and making same. G. O. Hall. 2,478,266, Aug. 9.
- Fruit-cutting and juice-expressing machine. N. Eastman. 2,479,194, Aug. 16.
- Fruit juice concentrates, Making. J. A. Steffens. 2,492,505, Dec. 27.
- Fruit juice extractor. H. C. Johnson. 2,474,399, June 28.
- Fruit peeling device. W. Pauls. 2,483,930, Oct. 4.
- Fruit reamer and strainer, Combined. C. G. Krieger. 2,486,423, Nov. 1.
- Fruit spread, Cold processed. G. Johnson and M. M. Boggs. 2,459,431, Jan. 18.
- Frying and basting of eggs, Automatic. K. E. Bemis. 2,481,711, Sept. 13.
- Fuchsone dyes in a direct positive photographic process. R. E. Stauffer and J. Spence. 2,490,758, Dec. 6.
- Fuel and damper control combination. V. J. Evans. 2,488,388, Nov. 15.
- Fuel and ignition control. F. J. Hahn. 2,460,383, Feb. 1.

- Fuel and ignition control. R. C. Palmer, Jr. 2,466,268, Apr. 5.
- Fuel, Asphaltic jet propulsion. D. E. Carr. 2,479,470, Aug. 16.
- Fuel burner for boilers. W. M. Fulton. 2,484,161, Oct. 11.
- Fuel burner with a disk type fuel-distributing means, Rotary. C. W. Gibson. 2,481,836, Sept. 13.
- Fuel burner with removable fuel-conducting means, Rotary. C. W. Gibson. 2,473,945, June 21.
- Fuel burning apparatus. H. J. Kerr, J. Fletcher, G. A. Watts, and L. Kooistra. 2,479,240, Aug. 16.
- Fuel burning apparatus, Liquid. M. A. Powers and N. H. Sutterfield. 2,491,517, Dec. 20.
- Fuel burning apparatus wherein air is supplied in one or more streams of elongated cross section. J. Fletcher. 2,480,459, Aug. 30.
- Fuel burning space heater. W. G. Cartter. 2,487,776, Nov. 8.
- Fuel-cell construction. R. F. Wilson and A. F. Reznicek. 2,459,752, Jan. 18.
- Fuel compositions. C. G. Williams and G. H. N. Chamberlain. 2,490,606, Dec. 6.
- Fuel conditioner, Water heating type. H. G. Blumberg and E. M. Stevens. 2,458,826, Jan. 11.
- Fuel control and air delivery unit for oil burners. A. Macchi. 2,486,857, Nov. 1.
- Fuel control mechanism. J. Becvar. 2,489,611, Nov. 29.
- Fuel controlling means, Liquid. R. J. Infield. 2,483,907, Oct. 4.
- Fuel, Diesel. P. Miller. 2,481,859, Sept. 13.
- Fuel, Diesel engine. A. Farkas and A. F. Stribley, Jr. 2,472,152, June 7.
- Fuel feed apparatus for gas turbines. R. H. D. Chamberlin, C. H. L. Wynne, and J. Skellern. 2,479,813, Aug. 23.
- Fuel feed control. J. W. Miller and R. E. Fell. 2,470,572, May 17.
- Fuel feed control apparatus. L. A. Williams, Jr. 2,488,250, Nov. 15.
- Fuel feed device for oil burners. A. H. Berger. 2,492,516, Dec. 27.
- Fuel filler can. G. J. Buck. 2,481,719, Sept. 13.
- Fuel ingredients and their preparation, Safety. O. C. Slotterbeck. 2,472,494, June 7.
- Fuel injection device for combustion chambers of internal-combustion engines. W. Firing. 2,488,857, Nov. 22.
- Fuel injection means for combustion engines. V. C. Belt. 2,464,288, Mar. 15.
- Fuel injection means for gas turbine power plants for aircraft. N. C. Price. 2,479,777, Aug. 23.
- Fuel injection pump. W. F. Bryant. 2,473,412, June 14.
- Fuel injection pump. H. F. Budzien. 2,485,033, Oct. 18.
- Fuel injection pump. H. C. Edwards. 2,478,528, Aug. 9.
- Fuel injection pump. L. J. Garday. 2,463,374, Mar. 1.
- Fuel injection pump. M. L. Johansson. 2,482,733, Sept. 20.
- Fuel injection pump. T. K. Van-Tuyl. 2,465,138, Mar. 22.
- Fuel injection system. H. L. Gates. 2,462,854, Mar. 1.
- Fuel injection system. R. Pateras Pescara. 2,463,418, Mar. 1.
- Fuel injection system for free-piston engines, Pressure actuated. R. J. Hooker. 2,481,927, Sept. 13.
- Fuel, Manufacture of safety. F. J. Moore and E. F. Pevere. 2,468,507, Apr. 26.
- Fuel metering means. C. F. Schorn. 2,475,156, July 5.
- Fuel mixer. P. D. Hutton. 2,488,914, Nov. 22.
- Fuel, Motor. J. A. Chenicek. 2,485,696, Oct. 25.
- Fuel, Motor. H. L. Maxfield. 2,473,439, June 14.
- Fuel oil engine. H. A. W. Petersen. 2,465,116, Mar. 22.
- Fuel oil filter. E. F. Goebel. 2,488,009, Nov. 15.
- Fuel oil preheat control. C. L. Rayfield. 2,481,038, Sept. 6.
- Fuel oil system for feeding a plurality of burners, including emptying unused oil. L. D. Bishop. 2,481,671, Sept. 13.
- Fuel oils, Diesel. H. G. Smith, T. L. Cantrell, and M. L. Hill. 2,487,189-90, Nov. 8.
- Fuel oils from acid sludge, Production of. J. H. Cone and R. V. Comeaux. 2,487,103, Nov. 8.
- Fuel, Producing synthetic. W. E. Skelton. 2,466,334, Apr. 5.
- Fuel pump. C. W. Van Ranst. 2,464,196, Mar. 8.
- Fuel pump and distributor drive. A. F. Eckert. 2,482,332, Sept. 20.
- Fuel reservoir for cigarette lighters. H. Knox. 2,460,180, Jan. 25.
- Fuel saving device. C. Spaw. 2,471,012, May 24.
- Fuel supply apparatus for internal-combustion engines. M. J. Berlyn and J. J. Broderick. 2,465,784, Mar. 29.
- Fuel supply for opposed cylinder engines. E. C. Kiehaefer. 2,469,117, Mar. 3.
- Fuel supply system. F. Barford. 2,489,214, Nov. 22.
- Fuel system, Marine. E. C. Lloyd. 2,457,828, Jan. 4.
- Fuel system or other fluid transfer systems, Engine. M. A. Trisler. 2,463,828, Mar. 8.
- Fuel system with combined emergency and booster pump to maintain required discharge pressure, Multiple tank. E. M. Gavin, R. E. Grey, L. L. Aspelin, and G. F. Tate. 2,464,802, Mar. 22.
- Fuel system with emergency pump to maintain required discharge pressure, Multiple tank. E. M. Gavin, R. E. Grey, L. L. Aspelin, and G. F. Tate. 2,459,807, Jan. 25.
- Fuel tank indicator. A. J. Korody. 2,457,905, Jan. 4.
- Fuel valve and nozzle cleaning mechanism for portable liquid fuel burners. C. Bramming. 2,478,364, Aug. 9.
- Fueling system. A. J. Granberg. 2,459,317, Jan. 18.
- Fueling system, Underwing. L. J. Bordelon. 2,458,245, Jan. 4.
- Fuels by the catalytic isomerization of high boiling paraffins, Production of improved Diesel engine. B. S. Greensfelder and R. J. Moore. 2,468,746, May 3.
- Fuels, Method and apparatus for emulsifying. S. B. Wiczer and V. R. Kokatnur. 2,461,580, Feb. 15.
- Fumaronitrile, Preparation of. D. T. Mowry and W. H. Yanko. 2,471,767, May 31.
- Fumigant application system, Automatic grain. T. C. Manning. 2,461,649, Feb. 15.
- Fumigant composition and method. J. M. Bickerton. 2,473,984, June 21.
- Fumigant, Grain. J. Kamlet. 2,485,605, Oct. 25.
- Fumigating apparatus. K. D. Crooks. 2,469,814, May 10.
- Fumigating system. A. G. Howard. 2,473,684, June 21.
- Fumigating with pesticidal compounds. E. Jones and J. S. Flanders. 2,488,776, Nov. 22.
- Fungal lipase. C. V. Smythe and B. B. Drake. 2,480,090, Aug. 23.
- Fungicidal composition. O. W. Cass. 2,465,061, Mar. 22.
- Fungicidal compositions. W. C. O'Kane and G. H. Morey. 2,460,188, Jan. 25.
- Fungicidal compositions. W. D. Stewart and J. H. Standen. 2,485,330, Oct. 18.
- Fungicidal composition comprising a phenyl mercury salt and excess lactic acid. F. J. Sowa. 2,479,275, Aug. 16.
- Fungicidal preparations. K. G. Nolan, R. L. Morgan, and J. H. Fletcher. 2,460,710, Feb. 1.
- Fungicidal nicotinium salt compositions. C. F. Woodward, F. L. Howard, H. L. Keil, and L. Weil. 2,466,788, Apr. 12.
- Fungicide comprising 1-methoxy-4-chlorobutene-2. O. W. Cass. 2,462,830, Mar. 1.
- Fungicide containing caprylic acid and its salt. W. R. Russ, C. Hoffman, T. R. Schweitzer, and G. Dalby. 2,466,663, Apr. 5.
- Fungicides and insecticide. E. C. Ladd. 2,475,288, July 5.
- Fungus-proofing composition. P. G. Benignus. 2,476,235, July 12.
- Funnel, Dropping. W. Rosenthal. 2,462,556, Feb. 22.
- Fur finishing iron. F. H. Richterkessing. 2,489,673, Nov. 29.
- Fur processing device. M. Koch. 2,491,007, Dec. 13.
- Furfural from vegetables, Production of. E. Marchiaro, R. Mostardini, and G. Orzalesi. 2,488,981, Nov. 22.
- Furfural, Production of. J. W. Sevón. 2,463,000, Mar. 1.
- Furfuryl alcohol compounds. E. Glycofrides. 2,470,394, May 17.
- Furfuryl alcohol-phenol aldehyde resinous products and making the same. H. H. Lebach. 2,471,631, May 31.
- Furfuryl alcohol, Rectification and stabilization of. E. Farber. 2,486,738, Nov. 1.
- Furfuryl alcohol resin, Making a. P. L. McWhorter, Jr. 2,471,438, May 31.
- Furfuryl alcohol resinous products and the product, Making. W. H. Adams, Jr., and H. H. Lebach. 2,471,600, May 31.
- Furfuryl alcohol-resorcinol resin composition. J. Delmonte. 2,462,054, Feb. 22.
- Furnace: See—
- Air heating and humidifying gas burning furnace.
 - Air-heating wall furnace.
 - Annealing furnace.
 - Ball furnace.
 - Coil annealing furnace.
 - Continuous pouring furnace.
 - Continuous strip furnace.
 - Drum type induction furnace.
 - Electric furnace.
 - Electric house furnace.
 - Electric melting furnace.
 - Electric resistance furnace.
 - Electric resistance vacuum furnace.
 - Floor and wall furnace.
 - Fluid fuel burning floor furnace.
 - Glass melting furnace.
 - Heat-treat furnace.
 - Heat-treating furnace.
 - Hot-air furnace.
 - Humidifying air-heating furnace.
 - Intermittent discharge induction melting furnace.
 - Kettle furnace.
 - Magazine downdraft furnace.
 - Melting and drawing furnace.
 - Metal melting furnace.
 - Metallurgical furnace.
 - Metallurgical heating furnace.
 - Multiple tube air heating furnace.
 - Open hearth furnace.
 - Pit type furnace.
 - Pot type oil burner air heating furnace.
 - Reverberatory furnace.
 - Roaster furnace.
 - Roller hearth furnace.
 - Salt bath furnace.
 - Soldering furnace.
 - Tilting salt bath furnace.
- Furnace. S. P. Campbell and R. Grubb. 2,473,006, June 14.
- Furnace. N. Gold. 2,480,324, Aug. 30.
- Furnace. E. O. Howie. 2,471,749, May 31.
- Furnace. H. Larnan. 2,480,374, Aug. 30.
- Furnace. K. W. Stookey. 2,472,497, June 7.
- Furnace. G. R. Sylvester. 2,486,506, Nov. 1.
- Furnace and process, Electric glass melting. C. F. De Voe. 2,490,339, Dec. 6.
- Furnace and remelting scrap, Remelting. L. B. Lindemuth. 2,465,463, Mar. 29.
- Furnace arch nose construction, Replaceable. W. G. Young. 2,457,965, Jan. 4.

- Furnace construction, Induction heating. H. A. Strickland, Jr. 2,490,106, Dec. 6.
- Furnace construction, Regenerative. R. L. Hasche. 2,473,427, June 14.
- Furnace door. H. R. Loxterman. 2,471,275, May 24.
- Furnace door and closure operator therefor. O. F. Ecklund. 2,483,968, Oct. 4.
- Furnace dust trap. S. D. Rich. 2,468,108, Apr. 26.
- Furnace enclosure structure with oxidizable metal reinforcing means. Refractory block. L. S. Longenecker. 2,476,423, July 19.
- Furnace feed, Preparation of. F. Lohse. 2,477,412, July 26.
- Furnace for producing metal, Tube. R. F. Rennie. 2,491,210, Dec. 13.
- Furnace for the distillation of fuel, Continuously operating. J. A. L. Pieters. 2,477,390, July 26.
- Furnace for the heat treatment of solids. H. C. Schweitzer. 2,485,782, Oct. 25.
- Furnace, Melting. P. H. Romph. 2,490,161, Dec. 6.
- Furnace, Melting. J. L. Schuele. 2,490,382, Dec. 6.
- Furnace muffle and supporting means therefor. H. J. Ness. 2,463,456, Apr. 26.
- Furnace operations, Improving blast. C. D. King and P. D. Nielsen. 2,458,947, Jan. 11.
- Furnace plant for consuming raw coal dust. E. A. Lemaire. 2,479,376, Aug. 16.
- Furnace refractory construction. W. F. Rochow. 2,462,289, Feb. 22.
- Furnace roof and removable gauge pin for determining the condition thereof. H. Y. Lankford. 2,487,930, Nov. 15.
- Furnace slag and other smelts, Breaking up foamed blast. M. Gallai-Hatchard. 2,460,742, Feb. 1.
- Furnace structure. C. Lynn. 2,473,894, June 21.
- Furnace structure. K. Marsh. 2,477,136, July 26.
- Furnace wall, Refractory brick lined. P. Tonneson. 2,463,217, Mar. 1.
- Furnace with lift and swing aside roof, Arc. W. E. Moore. 2,469,740, May 10.
- Furnace with oil burner installation, Hot-air. D. C. Scott and J. A. Keeley. 2,466,868, Apr. 12.
- Furnace with open-flame burner and depending baffle for directing and spreading flame, Cover-type. F. S. Bloom. 2,491,704, Dec. 20.
- Furnace with removable coil stand. T. W. Munford. 2,485,453, Oct. 18.
- Furnace with removable parts, Floor. S. P. Campbell. 2,475,737, July 12.
- Furnace with thermostatic control of convection mediums. J. P. Dresen. 2,465,151, Mar. 22.
- Furnaces from slag, Protection of. W. E. Heller. 2,460,347, Feb. 1.
- Furnaces, Operating blast. H. T. Rudolf. 2,476,628, July 19.
- Furniture. R. C. Herbolzheimer. 2,474,668, June 28.
- Furniture. E. A. Purnell. 2,461,082, Feb. 8.
- Furniture. H. Sebel. 2,470,113, May 17.
- Furniture, Article of. C. L. Dewey. 2,480,183, Aug. 30.
- Furniture, Article of. H. E. and E. A. John. 2,481,671, Sept. 13.
- Furniture, Baby. J. G. Krenzke. 2,485,156, Oct. 18.
- Furniture, Combination. W. F. Brown. 2,466,204, Apr. 5.
- Furniture component with hardened exposed surfaces. C. B. Lundstrom. 2,488,301, Nov. 15.
- Furniture construction. I. Silverman. 2,479,086, Aug. 16.
- Furniture, Convertible. B. Finer. 2,458,363, Jan. 4.
- Furniture foot, Self-aligning. A. A. Andersen. 2,469,425, May 10.
- Furniture leg construction. R. R. Shelton and C. R. Rau. 2,485,172, Oct. 18.
- Furniture leg, Detachable. J. C. Stacy. 2,484,969, Oct. 18.
- Furniture, Metal. B. F. Hamilton. 2,471,740, May 31.
- Furniture slip cover. R. W. Roberts, Jr. 2,469,520, May 10.
- Furniture, Store. A. Vanderveld. 2,464,470, Mar. 15.
- Furniture structure, Upholstered. R. R. Leon. 2,481,761, Sept. 13.
- Furring clip. S. J. Radeke. 2,470,369, May 17.
- Furring strip. C. J. Spiess. 2,478,060, Aug. 2.
- Furs, Manufacture of. L. Nierenberg. 2,482,929, Sept. 27.
- Fuse. D. R. Beeman. 2,462,062, Feb. 22.
- Fuse. W. W. Carr, L. G. Wilke and L. M. Prince, Jr. 2,487,789, Nov. 15.
- Fuse. C. C. Lauritsen. 2,469,351-2, May 10.
- Fuse. H. J. Nichols. 2,458,405, Jan. 4.
- Fuse. H. J. Nichols. 2,483,555, Oct. 4.
- Fuse. R. F. Nelson. 2,466,729, Apr. 12.
- Fuse. C. H. Pass, E. Schramm, and F. T. Rhodes. 2,464,650, Mar. 15.
- Fuse. A. T. Timerman. 2,485,076, Oct. 18.
- Fuse. C. H. G. Vail. 2,468,351, Apr. 26.
- Fuse. C. B. Winkle. 2,482,135, Sept. 20.
- Fuse and switch, Enclosed. G. E. Fitzgerald. 2,465,079, Mar. 22.
- Fuse bank and alarm switch, Combined. A. H. Buckley. 2,476,236, July 12.
- Fuse, Base detonating. L. K. Liljgren. 2,480,149, Aug. 30.
- Fuse box. J. W. Bright. 2,477,360, July 26.
- Fuse compositions, Delay. O. G. Bennett and J. Dubin. 2,457,860, Jan. 4.
- Fuse construction. H. V. Dryer. 2,490,950, Dec. 13.
- Fuse construction. W. O. Schultz. 2,466,486, Apr. 5.
- Fuse construction, Drop-out. W. O. Schultz. 2,458,742, Jan. 11.
- Fuse construction, Drop-out. W. O. Schultz. 2,458,743, Jan. 11.
- Fuse, Delay action. B. J. Wilson and J. E. Stringer. 2,485,949, Oct. 25.
- Fuse, Delayed-action. B. W. Sewell. 2,463,210, Mar. 1.
- Fuse, Electric. E. Wilcox. 2,481,893, Sept. 13.
- Fuse element, Electrical. G. S. Phipps. 2,486,202, Oct. 25.
- Fuse, Grenade. M. Burden, Jr. 2,474,217, June 28.
- Fuse, Hydraulic. J. M. King. 2,487,056, Nov. 8.
- Fuse, Impact. O. Wittel. 2,469,587, May 10.
- Fuse indicating system. J. A. Collins. 2,464,848, Mar. 22.
- Fuse link, Time lag. F. G. von Hoorn. 2,471,176, May 24.
- Fuse, Long and short delay. G. M. O'Rear. 2,465,395, Mar. 29.
- Fuse, Mechanical time. R. T. Hurley. 2,477,540, July 26.
- Fuse mounting. S. I. Lindell. 2,484,839, Oct. 18.
- Fuse plate structure. E. J. Fix and B. B. Patton. 2,468,053, Apr. 26.
- Fuse, Projectile. J. F. McCaslin. 2,479,582, Aug. 23.
- Fuse, Quick action. N. B. Wales, Jr. 2,490,389, Dec. 6.
- Fuse, Renewable. F. G. van Hoorn. 2,471,177, May 24.
- Fuse shutoff for valves, Safety. W. F. Schaetzly. 2,486,614, Nov. 1.
- Fuse, Sensitive. R. L. Graumann. 2,472,821, June 14.
- Fuse setting and ramming mechanism. F. E. Cole, W. V. Goodhue, and R. Heeley. 2,459,308, Jan. 18.
- Fused beryllium oxide, Producing. A. Schormuller and C. E. Windecker. 2,467,159, Apr. 12.
- Fused cast alumina refractory. J. C. McMullen. 2,474,544, June 28.
- Fused ceramic riprap, Producing. D. A. Buzzell and G. Blackstone. 2,481,497, Sept. 13.
- Fused plug connector. H. C. Rohrman. 2,458,203, Jan. 4.
- Fused pyrosulfate-halide solvent electrolyte. C. E. Berr. 2,487,214, Nov. 8.
- Fusee. P. E. Slater. 2,467,918, Apr. 19.
- Fusible connector. C. J. Patton. 2,489,314, Nov. 29.
- Fusible extension cord plug. A. G. Bauer. 2,486,380, Nov. 1.
- GR-S, etc., with a mixture of a trialkylphenol and a stannous salt, Stabilization of. H. E. Albert. 2,476,833, July 19.
- GR-S latex containing carbon black, Producing. R. E. Draman. 2,476,819, July 19.
- Gaff, Folding. R. W. Sutton. 2,461,941, Feb. 15.
- Gaff hook. C. B. Beckwell. 2,482,314, Sept. 20.
- Gaff hook. P. Martineau. 2,463,706, Mar. 8.
- Gain control, Automatic. F. P. Mason. 2,476,990, July 26.
- Gain-control system, Automatic. N. B. Farnsworth. 2,480,842, Sept. 6.
- Gain control system, Automatic. W. M. Kellogg. 2,492,363, Dec. 27.
- Gallery, Shooting. W. A. Tratsch. 2,461,788, Feb. 15.
- Galvanizing. W. H. Spowers, Jr. 2,475,360, July 5.
- Galvanizing sheet metal vessels, Method and apparatus for. K. Borg and M. S. Kesler. 2,477,684, Aug. 2.
- Galvanometer, Thermomagnetic. H. T. Faus and L. F. Perotte. 2,478,625, Aug. 9.
- Galvanometer with float supported spindle. C. A. de Giers and R. A. F. Sandberg. 2,492,273, Dec. 27.
- Galvanometer with resilient damper. G. L. Dimmick. 2,492,275, Dec. 27.
- Game. J. Schneider. 2,458,306, Jan. 4.
- Game apparatus. V. C. Engstrom. 2,485,721, Oct. 25.
- Game apparatus. F. L. Geary. 2,470,159, May 17.
- Game apparatus. C. Metz. 2,465,740, Mar. 29.
- Game apparatus. C. A. Ruch. 2,463,909, Mar. 8.
- Game apparatus, Amusement. H. E. Williams. 2,459,011, Jan. 11.
- Game apparatus, Baseball. S. E. Muthart. 2,490,737, Dec. 6.
- Game apparatus, Disk projectile. J. Domingo. 2,482,404, Sept. 20.
- Game apparatus, Electrical jackstraws. J. M. Prentice. 2,460,146, Jan. 25.
- Game apparatus, Floating body. R. D. Young. 2,461,461, Feb. 8.
- Game apparatus having illuminating means simulating dropping of a bomb from an airplane upon a boat, Amusement. W. H. Burdick. 2,458,892, Jan. 11.
- Game apparatus, Moving surface simulated dice. J. D. Nagel and W. Lang. 2,463,298, Mar. 1.
- Game, Artillery war. C. H. Shirey. 2,460,770, Feb. 1.
- Game, Ball tossing. G. L. Riffe. 2,478,782, Aug. 9.
- Game, Baseball. J. J. Dawson and B. A. Farlatti. 2,466,156, Apr. 5.
- Game, Baseball. G. H. Mansfield. 2,488,919, Nov. 22.
- Game block of nonmagnetizable material having a magnetizable strip concealed in one end thereof. E. R. Munn. 2,474,365, June 28.
- Game board. R. L. Robbins, Jr. 2,484,051, Oct. 11.
- Game board. W. T. Schwartz. 2,492,447, Dec. 27.
- Game board. E. L. Whitehall. 2,482,083, Sept. 13.
- Game board and apparatus. F. E. Green. 2,470,302, May 17.
- Game board and piece therefor, Rotatable. J. M. Prentice, J. R. Umbach, and K. Ross. 2,460,264, Jan. 25.

- Game board and playing pieces for a chance controlled game. J. P. Waldrop. 2,458,966, Jan. 11.
- Game board and playing pieces for a game. J. P. Lachance. 2,479,747, Aug. 23.
- Game board and playing pieces therefor. H. W. Guttridge. 2,484,026, Oct. 11.
- Game board for displaying three like elements in a row. A. Charest. 2,483,878, Oct. 4.
- Game board for war games. J. B. Lieberman. 2,464,819, Mar. 22.
- Game board of the lotto type. A. H. Cohen. 2,474,573, June 28.
- Game board with pivoted closures, Pocketed. J. W. Rendel. 2,463,425, Mar. 1.
- Game, Bombing. G. H. Babigian. 2,466,069, Apr. 5.
- Game, Child's development. O. B. Griffin. 2,466,805, Apr. 12.
- Game, Coin trapping. J. M. Bawden. 2,482,893, Sept. 27.
- Game device. E. J. Farris. 2,473,680, June 21.
- Game device. S. M. Klyver. 2,462,507, Feb. 22.
- Game device. A. F. Rippenbein. 2,484,185, Oct. 11.
- Game device. A. F. Rippenbein. 2,490,092, Dec. 6.
- Game device. R. E. Sullivan. 2,469,053, May 3.
- Game device. S. Yankelevitz. 2,463,670, Mar. 8.
- Game device, Portable. D. S. Baker. 2,465,418, Mar. 29.
- Game device, Pouched bat. F. A. Regenold. 2,480,264, Aug. 30.
- Game device with annular pocketed trough, Ball. J. D. Nagel and W. Lang. 2,468,684, Apr. 26.
- Game drum apparatus, Rotatable. E. B. Taylor. 2,468,000, Apr. 19.
- Game, Educational. B. Towne. 2,482,227, Sept. 20.
- Game, Electric. D. M. Baker. 2,491,888, Dec. 20.
- Game, Football. F. R. Graves. 2,479,160, Aug. 16.
- Game, Football card. T. B. Siler. 2,460,541, Feb. 1.
- Game, Football scoreboard. J. B. Conlon. 2,492,378, Dec. 27.
- Game for bowling alleys, Spot curtain. G. A. Hiester. 2,466,103, Apr. 5.
- Game, Golf. J. Paupa. 2,463,197, Mar. 1.
- Game, Magnetic dart. H. J. Volman. 2,477,531, July 26.
- Game, Mathematical. D. A. Zarlengo. 2,481,058, Sept. 6.
- Game, Mathematical educational. M. E. Bobo and W. S. Miller. 2,491,084, Dec. 13.
- Game, Miniature golf. I. M. Snyder. 2,478,949, Aug. 16.
- Game of chance, Spinner type. O. L. Olson. 2,487,363, Nov. 8.
- Game piece. T. R. Duncan. 2,485,143, Oct. 18.
- Game piece, Chance controlled hemispherical. H. Desaulniers. 2,471,202, May 24.
- Game, Pocketed ball. T. B. Stillman. 2,470,325, May 17.
- Game pointer, Rotating. C. Benker. 2,463,139, Mar. 1.
- Game, Rocking pocketed ball. R. L. Jacobs. 2,463,624, Mar. 8.
- Game, Rotating disk racing. C. F. Boreszewski. 2,473,675, June 21.
- Game scoring device with score indicating lights. G. E. Kochem. 2,458,083, Jan. 4.
- Game, Simulated baseball. J. A. Sinclair. 2,478,429, Aug. 9.
- Game, Simulated football. E. A. Kobs. 2,458,388, Jan. 4.
- Game, Simulated golf. W. C. Robinson and R. M. Livingston. 2,489,676, Nov. 29.
- Game table. L. Denson and E. F. Bernhardt. 2,476,535, July 19.
- Game, Trick concentric grooved ball. C. L. McBride. 2,468,567, Apr. 26.
- Game with recording attachment, Number wheel. W. J. Balaun. 2,481,277, Sept. 6.
- γ -aldols and γ -ketols, Preparing. M. Maincon and P. Chassaing. 2,481,765, Sept. 13.
- Gamma-dialkyl butyryl nitriles, Preparing. H. A. Bruson and T. W. Riener. 2,458,337, Jan. 4.
- Gamma-hydroxy-N-butyryl taurine and salts thereof. G. J. Martin and H. Urist. 2,465,737, Mar. 29.
- Gamma iron oxide-alkali metal ferrate and preparation. M. A. Mosesman. 2,470,784, May 24.
- Gamma iron oxide-alkali metal pyroantimonate catalyst and preparation. M. A. Mosesman. 2,465,314, Mar. 22.
- Gamma-iron oxide-alkali metal trioxalato ferrate catalyst and preparation. J. C. Schiller. 2,465,281, Mar. 22.
- Gamma-picoline, Purification of. R. S. Bowman. 2,459,146, Jan. 18.
- Gang operated switch. J. A. Pollock and E. H. Coppinger. 2,470,576, May 17.
- Gangway. E. Beutel and S. P. Dunn. 2,478,177, Aug. 9.
- Gangway for ships. J. G. Kamps. 2,466,708, Apr. 12.
- Gap-aligning device, Piston ring. A. H. Bates. 2,471,402, May 31.
- Garage door. G. Berry and G. W. Sjoboen. 2,484,674, Oct. 11.
- Garage door. F. J. Kappes. 2,458,604, Jan. 11.
- Garbage can rack. C. O. Grimsley. 2,466,416, Apr. 5.
- Garbage disposal device. H. C. Schindler. 2,476,630, July 19.
- Garden rake trash cleaner. C. H. Pabst and W. H. Graver. 2,489,047, Nov. 22.
- Garlic carminative, Brominated. E. A. Ferguson, Jr. 2,490,424, Dec. 6.
- Garlic, Preserving. R. J. Sears. 2,476,774, July 19.
- Garment. M. M. Brohard, Jr. 2,466,368, Apr. 5.
- Garment. H. H. Bruderlin. 2,472,281, June 7.
- Garment. E. Cadous. 2,475,175, July 5.
- Garment. W. Caplin. 2,486,553, Nov. 1.
- Garment. J. M. Chandler. 2,464,025, Mar. 8.
- Garment. H. Croonborg. 2,491,001, Dec. 13.
- Garment. A. Friedland. 2,486,835, Nov. 1.
- Garment. J. J. Kispert. 2,464,452, Mar. 15.
- Garment. J. J. Kispert. 2,472,329, June 7.
- Garment. T. B. McLaughlin. 2,462,414, Feb. 22.
- Garment. M. Michel. 2,474,400, June 28.
- Garment. P. and F. Owenby and J. A. Sacks. 2,459,043, Jan. 11.
- Garment. H. L. Redmond. 2,471,848, May 24.
- Garment. G. Rosenfield. 2,481,351, Sept. 6.
- Garment. E. Schlafman. 2,482,295, Sept. 20.
- Garment. J. Silversteen. 2,465,286, Mar. 22.
- Garment. M. B. Teamer. 2,486,581, Nov. 1.
- Garment. Abdominal supporting. M. Cohen. 2,481,396, Sept. 6.
- Garment and making, Armhole. W. Nagel. 2,490,701, Dec. 6.
- Garment, Baby. K. A. Terchick. 2,471,048, May 24.
- Garment, Backless. C. G. Schnurer. 2,479,416, Aug. 16.
- Garment bag. B. J. Frost. 2,481,102, Sept. 6.
- Garment, Bias shaped foundation. F. E. Feigenbaum. 2,466,540, Apr. 5.
- Garment, Breast covering. H. Gluckin. 2,483,274, Sept. 27.
- Garment, Breast supporting. S. Cousins. 2,485,570, Oct. 25.
- Garment, Children's sleeping. I. W. Jacobson. 2,469,556, May 10.
- Garment, Child's. C. Ackerman. 2,471,086, May 24.
- Garment, Child's. P. Kessner. 2,483,344, Sept. 27.
- Garment, Combined. H. H. Harrison. 2,466,806, Apr. 12.
- Garment construction. W. L. Roessner. 2,492,444, Dec. 27.
- Garment, Convertible. L. Botha. 2,472,141, June 7.
- Garment, Convertible foundation. R. S. Kops. 2,458,712, Jan. 11.
- Garment fastener. A. J. Fox. 2,482,846, Sept. 27.
- Garment fastener. R. V. Sullivan. 2,472,235, June 7.
- Garment, Feminine. S. and E. Litt. 2,472,302, June 7.
- Garment finishing apparatus. J. H. Richa and F. E. Hanson. 2,459,962, Jan. 25.
- Garment finishing device. R. W. Brenner and J. R. Petre. 2,460,732, Feb. 1.
- Garment for infants. N. V. Condon. 2,462,165, Feb. 22.
- Garment for infants, Sleeping. E. R. Gainor. 2,491,855, Dec. 20.
- Garment for infants, Transparent protective. E. S. Petrucci. 2,469,700, May 10.
- Garment for orthopedic patients. M. A. Sheard. 2,475,058, July 5.
- Garment form. A. T. Beal. 2,481,561, Sept. 13.
- Garment former. C. S. Jordan. 2,477,878, Aug. 2.
- Garment, Foundation. J. Ciringione. 2,490,415, Dec. 6.
- Garment, Foundation. J. J. Lo Cascio. 2,464,093, Mar. 8.
- Garment, Foundation. M. A. Nathanson. 2,458,094, Jan. 4.
- Garment, Foundation. I. Rosner. 2,466,867, Apr. 12.
- Garment, Foundation. J. W. Rubin. 2,489,388, Nov. 29.
- Garment frame. H. Waters. 2,482,953, Sept. 27.
- Garment hanger. F. R. Allen. 2,476,524, July 19.
- Garment hanger. W. S. Baer, Sr. 2,463,136, Mar. 1.
- Garment hanger. J. P. Brown. 2,490,201, Dec. 6.
- Garment hanger. G. E. Colburn. 2,465,576, Mar. 29.
- Garment hanger. J. W. Eaton. 2,481,206, Sept. 6.
- Garment hanger. E. P. Elston. 2,489,565, Nov. 29.
- Garment hanger. J. E. Ericson. 2,461,149, Feb. 8.
- Garment hanger. H. H. Fernald. 2,471,944, May 31.
- Garment hanger. M. A. Glavies. 2,490,590, Dec. 6.
- Garment hanger. R. C. Heffernan. 2,473,201, June 14.
- Garment hanger. J. Hiebert. 2,461,686, Feb. 15.
- Garment hanger. E. F. Hogan. 2,492,287, Dec. 27.
- Garment hanger. R. J. Idelson. 2,480,327, Aug. 30.
- Garment hanger. R. A. Kelsey. 2,470,079, May 10.
- Garment hanger. H. Lev. 2,476,051, July 12.
- Garment hanger. L. Levin. 2,464,324, Mar. 15.
- Garment hanger. C. Marks. 2,486,749, Nov. 1.
- Garment hanger. W. T. Mattausch. 2,481,432, Sept. 6.
- Garment hanger. J. W. McGirr. 2,478,297, Aug. 9.
- Garment hanger. L. B. Meyerhoff. 2,467,142, Apr. 12.
- Garment hanger. C. L. Muntwyler and E. J. Frank. 2,473,898, June 21.
- Garment hanger. S. Rosenberg. 2,490,475, Dec. 6.
- Garment hanger. F. B. Saunders. 2,460,905, Feb. 8.
- Garment hanger. H. M. Schliestedt. 2,475,992, July 12.
- Garment hanger. F. P. Schroeder. 2,492,325, Dec. 27.
- Garment hanger. B. Shwayder. 2,489,164, Nov. 22.
- Garment hanger. O. H. Snyder. 2,469,481, May 10.
- Garment hanger. M. Treiman. 2,460,438, Feb. 1.
- Garment hanger rod. S. J. Brochstein. 2,488,702, Nov. 22.
- Garment hanging screen. H. Derman. 2,460,978, Feb. 8.
- Garment holder. C. M. Hennes. 2,479,356, Aug. 16.
- Garment holder. R. H. Odell. 2,489,046, Nov. 22.
- Garment, Hunting. W. Halliday. 2,485,442, Oct. 18.
- Garment, Infant's. I. M. Riggs. 2,466,184, Apr. 5.
- Garment, Lady's. D. Gourdon. 2,460,882, Feb. 8.
- Garment, Lady's dress. C. Goldstein. 2,460,253, Jan. 25.
- Garment manufacture. P. A. Montagna. 2,477,890, Aug. 2.
- Garment, Maternity. P. Auslender. 2,470,678, May 17.
- Garment, Maternity. G. Z. Fiorito. 2,472,154, June 7.

- Garment, Maternity panty. I. W. Jacobson. 2,462,195, Feb. 22.
- Garment, Neck. E. T. Towle. 2,464,007, Mar. 8.
- Garment of the bifurcated nether type. N. B. Witter. 2,469,486, May 10.
- Garment of the patch pocket type, Double pocket. L. and J. R. Dowling. 2,489,868, Nov. 29.
- Garment or attachment for controlling the distribution, pressure, and circulation of body fluids. D. M. Clark, E. H. Wood, and H. A. Schroeder. 2,475,479, July 5.
- Garment rack. H. Bernick. 2,492,517, Dec. 27.
- Garment, Safety. R. M. Chinn. 2,478,239, Aug. 9.
- Garment, Sanitary workman's. T. L. Peckinpaugh. 2,492,003, Dec. 20.
- Garment shoulder construction. J. and A. Davidson and R. d'Albis. 2,490,857, Dec. 13.
- Garment sleeve block. E. H. McKeehan. 2,469,306, May 3.
- Garment, Slip-over style of outer. W. A. Riggs. 2,471,543, May 31.
- Garment, Sport. I. E. Yates. 2,486,236, Oct. 25.
- Garment structure. G. Davenport. 2,458,062, Jan. 4.
- Garment supporting device. I. Fidler. 2,465,859, Mar. 29.
- Garment supporting frame. H. Gluckin. 2,483,273, Sept. 27.
- Garment, Transitory. L. M. Kelleher. 2,469,302, May 3.
- Garment, Tubular foundation. C. Brown. 2,491,360, Dec. 13.
- Garment turner. R. E. Bates. 2,464,286, Mar. 15.
- Garment, Umbrella carrying. A. Drasnin. 2,472,286, June 7.
- Garment, Waterproof. E. Welch. 2,473,740, June 21.
- Garment, Woman's bust shaping and supporting. L. Hunau. 2,478,103, Aug. 2.
- Garments, Manufacturing. H. L. Fouch and R. S. Yorty. 2,479,609, Aug. 23.
- Garter hold. P. Z. Gordon. 2,466,943, Apr. 12.
- Gas-absorbing material and making same. M. L. Sheffer. 2,479,520, Aug. 16.
- Gas adsorption. A. H. Schutte. 2,492,401, Dec. 27.
- Gas analysis apparatus. L. S. Galstaun and D. D. Thomas. 2,488,812, Nov. 22.
- Gas blast breaker having two tanks and a tank interconnecting valve. G. E. Jansson. 2,491,112, Dec. 13.
- Gas burner. J. P. Dresen. 2,469,499, May 10.
- Gas burner. W. L. Hassmer and O. E. Schlachter. 2,475,240, July 5.
- Gas burner. F. R. Higley. 2,465,155, Mar. 22.
- Gas burner. L. C. McKee. 2,485,058, Oct. 18.
- Gas burner. J. F. Mustee. 2,464,255, Mar. 15.
- Gas burner for furnace walls, Incandescent. F. O. Hess. 2,474,313, June 28.
- Gas burner with thermocouple. P. L. Betz. 2,482,238, Sept. 20.
- Gas burning space heater. T. Y. Korsgren. 2,482,552, Sept. 20.
- Gas circulating separator. W. H. Dailey, Jr. 2,489,012, Nov. 22.
- Gas-cleaning means. C. C. Whittaker. 2,462,797, Feb. 22.
- Gas cock handle. H. E. Mills. 2,491,999, Dec. 20.
- Gas compressor, Multistage, axial flow. H. F. Hagen. 2,476,191, July 12.
- Gas control means. K. T. Davis. 2,490,420, Dec. 6.
- Gas conversion burner. E. A. Norman, Jr. 2,467,626, Apr. 19.
- Gas cutting apparatus for serrating metal. F. S. Edinger. 2,490,119, Dec. 6.
- Gas density meter. H. E. Criner and R. A. Baudry. 2,484,207, Oct. 11.
- Gas detection, Colorimetric. G. M. Shepherd. 2,487,077, Nov. 8.
- Gas filter. F. E. Kling. 2,477,623, Aug. 2.
- Gas-fired water heater. A. Peet. 2,465,697, Mar. 29.
- Gas flow apparatus. C. B. Gardinier. 2,484,217, Oct. 11.
- Gas generator. F. Gibadlo. 2,463,862-3, Mar. 8.
- Gas heat exchanger. A. Lenning. 2,492,298, Dec. 27.
- Gas holder. P. E. Noll and C. W. Crawford. 2,491,013, Dec. 13.
- Gas holder. J. H. Wiggins. 2,478,731, Aug. 9.
- Gas in well drilling fluids, Detecting. J. T. Hayward. 2,489,180, Nov. 22.
- Gas lifting device for flowing multiple zone wells. E. O. Bennett. 2,465,344, Mar. 29.
- Gas mixer. E. A. Furkert. 2,486,017, Oct. 25.
- Gas mixtures, Preparation of. R. J. Rubie. 2,484,249, Oct. 11.
- Gas producer. M. F. Charrier. 2,462,720, Feb. 22.
- Gas producer. F. Sepulchre. 2,459,344, Jan. 18.
- Gas producer and gas turbine plant, Combined. H. Dietler. 2,488,969, Nov. 22.
- Gas-producing apparatus and method. R. H. Goddard. 2,463,098, Mar. 1.
- Gas-producing charges suitable for the generation of gas pressure for the operation of mechanical devices and for blasting operations. A. T. Tyre. 2,470,082, May 10.
- Gas purification process. F. Denig. 2,458,505, Jan. 11.
- Gas purification process. H. A. Gollmar. 2,464,805, Mar. 22.
- Gas purification process. H. A. Gollmar. 2,490,799, Dec. 13.
- Gas purification process. J. Mitchell and H. A. Gollmar. 2,464,824, Mar. 22.
- Gas purification process. J. A. Shaw. 2,490,840, Dec. 13.
- Gas regulating device for firearms. C. A. Moore. 2,462,119, Feb. 22.
- Gas sampling method and apparatus, Variable flow. O. K. Austin. 2,489,394, Nov. 29.
- Gas separation including impurity removing steps. P. R. Trumpler. 2,460,859, Feb. 8.
- Gas separator. E. S. Marsh. 2,474,540, June 28.
- Gas-shielded alternating current arc welding. R. F. Wyer. 2,474,023, June 21.
- Gas-solid contacting apparatus, including stripping solid particles. C. W. Tyson. 2,491,536, Dec. 20.
- Gas-solids contacting apparatus including stripping solid particles. H. J. Ogorzaly. 2,481,439, Sept. 6.
- Gas storage container. W. T. Hudson. 2,477,606, Aug. 2.
- Gas storage, Liquefied. O. L. Garretson. 2,488,813, Nov. 22.
- Gas tank drain lock. A. M. Malluk. 2,469,973, May 10.
- Gas trap. W. C. Kimbrough. 2,473,150, June 14.
- Gas treating method and apparatus. G. L. Simpson. 2,459,463, Jan. 18.
- Gas, Treatment of coke-oven. J. A. Shaw. 2,471,550, May 31.
- Gas tube with starting electrode, Cold-cathode. P. W. Stutsman. 2,462,142, Feb. 22.
- Gas turbine. J. J. L. Blanc. 2,477,954, Aug. 2.
- Gas turbine. E. A. Stalker. 2,488,783, Nov. 22.
- Gas turbine. S. W. Traylor, Jr. 2,479,143, Aug. 16.
- Gas turbine apparatus. J. S. Newton. 2,469,238, May 3.
- Gas turbine arrangement, Combustion. R. Birmann. 2,473,356, June 14.
- Gas turbine engine. F. W. W. Morley. 2,488,875, Nov. 22.
- Gas turbine exhaust steam generator. J. I. Yellott. 2,491,435, Dec. 13.
- Gas turbine for driving airscrews. M. H. L. Sédille. 2,464,724, Mar. 15.
- Gas turbine installation. C. Seippel. 2,461,186, Feb. 8.
- Gas turbine mounting. D. N. Walker and W. E. P. Johnson. 2,481,547, Sept. 13.
- Gas turbine plant employing make-up air precompression for peak loads. T. Graf. 2,463,964, Mar. 8.
- Gas turbine system embodying rotary positive displacement compressor apparatus. A. Lysholm. 2,459,709, Jan. 18.
- Gas washer. N. C. Christensen. 2,471,724, May 31.
- Gas washer. O. E. Penn. 2,459,635, Jan. 18.
- Gas washing apparatus. A. R. Earl. 2,480,719, Aug. 30.
- Gaseous discharge tube. H. O. G. Alfvén. 2,478,446, Aug. 9.
- Gaseous discharge tube. R. H. Mitchel. 2,478,119, Aug. 2.
- Gaseous discharge tube. J. G. W. Mulder. 2,465,256, Mar. 22.
- Gaseous discharge tube motor circuit. W. G. Gorton. 2,466,022, Apr. 5.
- Gaseous hydrocarbons, Treatment of normally. H. H. Wenzke. 2,486,543, Nov. 1.
- Gaseous reactions in the presence of a moving particle form solid, Conducting. E. Utterback and E. V. Bergstrom. 2,477,502, July 26.
- Gaseous reduction of iron ore, Two-stage. C. E. Hemminger. 2,481,217, Sept. 6.
- Gaseous tube flasher circuit. R. R. Goshorn. 2,467,472, Apr. 19.
- Gases for the synthesis of hydrocarbons, Pretreatment of. J. J. Owen. 2,468,510, Apr. 26.
- Gases, Purifying. W. G. Scharmann. 2,477,314, July 26.
- Gases, Recovery of. G. A. M. Heim. 2,488,665, Nov. 22.
- Gasifying fuel burner. J. E. Farrell. 2,460,451, Feb. 1.
- Gasket. W. T. Nardin. 2,466,263, Apr. 5.
- Gasket. D. D. Perry. 2,469,474, May 10.
- Gasket and gasket composition. H. A. Winkelmann. 2,473,319, June 14.
- Gasket and making same, Electrically conductive sealing. H. M. Robinson. 2,477,267, July 26.
- Gasket and manufacture, Folded fabric. E. J. Poltorak. 2,459,720, Jan. 18.
- Gasket centering means. W. T. Nardin. 2,462,762, Feb. 22.
- Gasket centering means. J. Rossman. 2,474,790, June 28.
- Gasket cutter. F. Blasak. 2,477,572, Aug. 2.
- Gasket forming machine. J. Robinson. 2,463,563, Mar. 8.
- Gasket, Radio shielding sealing. A. A. Pierson. 2,462,334, Feb. 22.
- Gasket, Tubular. W. M. De Witt, Sr., and M. K. Cumming. 2,484,693, Oct. 11.
- Gaskets, Manufacturing. E. J. Poltorak. 2,459,721, Jan. 18.
- Gasoline filter. A. Hagen. 2,462,740, Feb. 22.
- Gasoline manufacture. S. H. McAllister, J. Anderson, and W. H. Peterson. 2,460,303, Feb. 1.
- Gasoline, Manufacture of. H. L. Pelzer. 2,463,903, Mar. 8.
- Gasoline, Manufacturing high antiknock synthesis. A. R. Goldsby. 2,461,153, Feb. 8.
- Gasoline, Producing. C. E. Hemminger. 2,464,505, Mar. 15.
- Gasoline, Production of. R. M. Cole. 2,458,980, Jan. 11.
- Gasoline, Production of. H. H. Voge, B. S. Greensfelder, and N. E. Peery. 2,467,920, Apr. 19.
- Gasoline, Production of high octane number aviation. K. M. Purdy. 2,470,445, May 17.
- Gasoline turbine engine. E. W. Millard. 2,463,294, Mar. 1.

- Gasoline with an alumina-platinum-halogen catalyst, Reforming a. V. Haensel. 2,479,110, Aug. 16.
- Gastrointestinal tube. A. L. Kaslow. 2,464,933, Mar. 22.
- Gate: See—
- Farm gate. Grain gate.
- Film gate. Tilting gate.
- Grade crossing gate. Triple gate.
- Gate, Automatic. O. J. Kennel. 2,463,392, Mar. 1.
- Gate box turning tool. J. M. Kinsey. 2,476,608, July 19.
- Gate construction. A. J. Roath. 2,463,207, Mar. 1.
- Gate construction, Convertible film. O. R. Nemeth. 2,457,914, Jan. 4.
- Gate, Electrically controlled safety. F. R. Allen. 2,476,792, July 19.
- Gate for centrifugal casting, Rotating distribution. G. A. Rubissow. 2,477,092, July 26.
- Gate for projectiles, Safety. W. J. Flett. 2,458,468, Jan. 4.
- Gate positioning mechanism for hulling machines. E. A. Schwarz. 2,460,769, Feb. 1.
- Gate, Starting. E. M. Smith, C. E. Whittaker, and J. S. Goodwin. 2,461,780, Feb. 15.
- Gate structure for disintegrators. F. S. Howard. 2,482,776, Sept. 27.
- Gate system, Lock. C. Arne. 2,459,140, Jan. 18.
- Gate valve. M. P. Laurent. 2,479,124, Aug. 16.
- Gate valve. W. E. Miller. 2,475,712, July 12.
- Gatherer for kudzu hay. J. L. Gettys. 2,480,569, Aug. 30.
- Gathering machine. J. G. Herrmann. 2,470,557, May 17.
- Gating system, Synchronizing pulse. W. D. Houghton. 2,480,582, Aug. 30.
- Gauge: See—
- Adjustable saw gauge. Leather measuring gauge.
- Air gauge. Liquid flow gauge.
- Automatic air gauge. Liquid level gauge.
- Bore gauge. Liquid measuring gauge.
- Borehole pressure gauge. Machinist's gauge.
- Brake gauge. Meat trimming gauge.
- Button or buttonhole gauge. Micrometer bench gauge.
- Cartridge case rim gauge. Micrometer height gauge.
- Caster and camber gauge. Micrometer surface gauge.
- Chain saw filing gauge. Modified plug gauge.
- Depth gauge. Noncontacting thickness gauge.
- Dial gauge. Optical precision gauge.
- Door casing gauge. Oil barrel gauge.
- Double-action gauge. Pneumatic comparator gauge.
- Electric fluid pressure gauge. Pneumatic size gauge.
- Electric pressure and deflection gauge. Pressure gauge.
- Electric strain gauge. Radial clearance gauge.
- Electric water depth gauge. Self-centering bore gauge.
- Electrical pressure gauge. Shaft taper gauge.
- Electromagnetic pressure gauge. Shoeing gauge.
- Electromagnetic strain gauge. Snap gauge.
- Electronic gauge. Spring type force measuring gauge.
- Film gauge. T-square gauge.
- Floating caliper gauge. Tank gauge.
- Flush-pin gauge. Taper pipe thread gauge.
- Gripper gauge. Thickness gauge.
- Head space micrometer gauge. Toe gauge.
- Height gauge. Tree trimming gauge.
- Hem binding gauge. Twist drill depth gauge.
- Hydraulic action center gauge. Tympan gauge.
- Indicating caliper gauge. U-tube pressure gauge.
- Indicating gauge. Vacuum gauge.
- Infight tire gauge. Valve clearance gauge.
- Interferometric gauge. Water gauge.
- Leakage testing gauge. Wind gauge.
- Gauge and air volume control, Combined water. R. J. Matthews. 2,479,247, Aug. 16.
- Gauge and making same, High-temperature strain. W. D. Van Dyke. 2,481,371, Sept. 6.
- Gauge and the like, Micrometer. L. E. Glover. 2,471,322, May 24.
- Gauge attachment, Universal height. M. M. Marcil. 2,472,431, June 7.
- Gauge construction, Retard. A. D. Rose. 2,483,237, Sept. 27.
- Gauge for band saws or the like. E. C. Steiner. 2,463,438, Mar. 1.
- Gauge for checking internal threads, Air. W. A. Minix. 2,477,889, Aug. 2.
- Gauge for checking the positions of parts mounted on the inner peripheries of cylindrical articles. E. C. Moss. 2,470,685, May 17.
- Gauge for collocating pipe sections. C. J. Stark. 2,461,783, Feb. 15.
- Gauge for conduits, Magnetic. H. L. Turner. 2,472,319, June 7.
- Gauge for corner beads, Setting. J. S. Bucalo. 2,468,167, Apr. 26.
- Gauge for external measurements of cylindrical bodies. F. M. Poole. 2,474,802, June 28.
- Gauge for flat articles. M. C. Gauthier. 2,492,564, Dec. 27.
- Gauge for floating drydocks, Lift. F. C. Czarnecki. 2,489,755, Nov. 29.
- Gauge for grinding machines. P. J. Fredin. 2,468,395, Apr. 26.
- Gauge for internal surfaces of bottles and the like. H. W. Ingle. 2,468,496, Apr. 26.
- Gauge for laying asphalt shingles. H. P. Peters. 2,470,183, May 17.
- Gauge for measuring subatmospheric pressures. G. R. Abell, Jr. 2,458,759, Jan. 11.
- Gauge for out-of-round pistons, Grinding. S. A. Foster. 2,464,387, Mar. 15.
- Gauge for projectiles, Thrust. C. N. Hickman. 2,472,108, June 7.
- Gauge for punches, Back. R. R. Uhrmacher. 2,459,101, Jan. 11.
- Gauge for screw threads, Lead. E. Guetzkow. 2,476,189, July 12.
- Gauge for slicers, Slice thickness. Z. Swanson. 2,474,171, June 21.
- Gauge for slicers, Slice thickness. Z. Swanson. 2,477,217, July 26.
- Gauge for tile cutters. E. L. Williams. 2,490,989, Dec. 13.
- Gauge for use with the cooperating dies of power brakes or like machines. H. B. Cole. 2,466,685, Apr. 12.
- Gauge having an exchangeable filament, Ionization. A. E. Rodd. 2,475,988, July 12.
- Gauge having mirror means, Interpupillary distance. W. E. Kappaul and W. J. Brogden. 2,477,518, July 26.
- Gauge holder. A. Graham. 2,476,858, July 19.
- Gauge plate assembly. T. W. Hays. 2,465,802, Mar. 29.
- Gauge structure, Vacuum. R. G. Picard. 2,490,468, Dec. 6.
- Gauge support. J. J. Fetsko, Jr. 2,469,874, May 10.
- Gauge support. E. A. Szuba. 2,469,904, May 10.
- Gauge with tilt correction, Liquid level. C. A. de Giers and R. A. F. Sandberg. 2,486,930, Nov. 1.
- Gauging apparatus. E. C. Moss. 2,470,636, May 17.
- Gauging apparatus for checking the relative alignment of reference planes of spaced articles. H. W. Clifford. 2,461,143, Feb. 8.
- Gauging apparatus for controlling a grinding operation. H. Michelsen and M. E. Reid. 2,460,232, Jan. 25.
- Gauging bearing clearance. D. H. Teetor. 2,486,446, Nov. 1.
- Gauging device. L. F. Polk and R. Mahlmeister. 2,465,035, Mar. 22.
- Gauging device. R. R. Tallaksen. 2,463,127, Mar. 1.
- Gauging device. J. A. Trame, Jr. 2,470,004, May 10.
- Gauging device, Electrical. A. Weisselberg. 2,487,681, Nov. 8.
- Gauging device for ditchers. F. M. Reising. 2,489,196, Nov. 22.
- Gauging device for piston rings and other objects. W. F. Aller and D. H. McConnell. 2,487,629, Nov. 8.
- Gauging device for piston rings and the like. W. F. Aller. 2,487,628, Nov. 8.
- Gauging device for piston rings and the like, Projection. F. A. Doll. 2,466,161, Apr. 5.
- Gauging device, Size. W. F. Aller. 2,477,399, July 26.
- Gauging hatch, Self-closing. R. Berg. 2,483,256, Sept. 27.
- Gauging head, Pneumatic bore. F. L. Rupley. 2,490,375, Dec. 6.
- Gauging switch. M. W. Eaton. 2,469,686, May 10.
- Gauze, Coated. A. Taub. 2,464,755, Mar. 15.
- Gear: See—
- Aircraft landing gear. Main landing gear.
- Airplane landing gear. Marine reduction reverse gear.
- Aligning gear. Multicushioned gear.
- Arresting gear. Reduction gear.
- Automatically releasing aircraft towing gear. Retractable landing gear.
- Bobbin whirl gear. Roller driving gear.
- Change-speed gear. Ship and loading gear.
- Diving gear. Steam cylinder valve gear.
- Draft gear. Steering gear.
- Echo ranging and listening gear. Steplessly variable speed-changing gear.
- Epicyclic change-speed gear. Toy gear.
- Hydraulic steering gear. Variable speed gear.
- Infinitely variable speed gear. Vehicle based arresting gear.
- Landing gear. X-ray mass chest apparatus control gear.
- Liquid control gear.
- Locomotive valve gear.
- Gear actuated wrench. B. H. Lybver. 2,466,456, Apr. 5.
- Gear and rack type control. W. G. Van Voorhis. 2,485,792, Oct. 25.
- Gear and trip mechanism, Record changer. W. Miller and J. L. D. Morrison. 2,487,771, Nov. 8.
- Gear assembly for trailer wagons, Running. K. L. and E. D. Smith. 2,459,050, Jan. 11.
- Gear assembly, Tandem wheel landing. H. E. Spaeth. 2,490,485, Dec. 6.
- Gear blank, Welded. J. R. Mahan. 2,471,827, May 31.
- Gear-changing drive. J. E. Gorrell. 2,485,151, Oct. 18.
- Gear construction, Aircraft landing. A. M. Franchi. 2,464,972, Mar. 22.
- Gear construction and arrangement. R. P. Van Zandt. 2,457,942, Jan. 4.
- Gear control, Aircraft landing. C. A. Welch. 2,492,078, Dec. 20.
- Gear cutting machine. W. F. H. Braun. 2,465,707, Mar. 29.

- Gear drive, Bevel. H. J. Rapuano. 2,479,406, Aug. 16.
 Gear drive, Variable ratio. H. C. Coombes. 2,465,201, Mar. 22.
 Gear driving mechanism, Lash-free. W. Leathers and L. Bruehl. 2,475,329, July 5.
 Gear for aircraft, Arrestor. P. G. E. Hand and L. Proctor. 2,479,927, Aug. 23.
 Gear for aircraft, Landing. F. N. Dickerman. 2,469,106, May 3.
 Gear for aircraft, Landing. R. T. Wood. 2,472,641, June 7.
 Gear for airplanes, Landing. C. R. Jamison. 2,460,506, Feb. 1.
 Gear for bobbins and other yarn carriers, Rewinding. F. S. Perry and J. A. Huskinson. 2,458,021, Jan. 4.
 Gear for helicopters and like aircraft, Pneumatic landing. J. F. Boyle. 2,465,193, Mar. 22.
 Gear for helicopters, Drive. O. H. Banker. 2,492,831, Dec. 27.
 Gear for locomotives, Reversing. W. F. Triplett. 2,479,794, Aug. 23.
 Gear for machine tools, Transmission. A. Bechler. 2,472,880, June 14.
 Gear for motor vehicles or the like, Differential. A. J. Butterworth. 2,489,859, Nov. 29.
 Gear for seaplanes, Arresting. F. J. Walters and H. B. Nelson. 2,478,217, Aug. 9.
 Gear for trailers or the like, Tandem axle running. G. D. Fraunfelder. 2,459,372, Jan. 18.
 Gear for variable track vehicles, Steering. E. T. J. Tapp and J. Davey. 2,480,309, Aug. 30.
 Gear grinding machine, Continuous. P. Klamp. 2,475,902, July 12.
 Gear holding mechanism, Bevel. B. C. Day. 2,463,156, Mar. 1.
 Gear mechanism, Eccentric drive. S. Rzepela. 2,469,313, May 3.
 Gear mechanism, Steering. A. P. Mill. 2,489,534, Nov. 29.
 Gear of multicylinder reciprocating-piston engines, Driving. W. A. Williams. 2,470,669, May 17.
 Gear of prime movers, Speed control. G. Hallewell. 2,460,501, Feb. 1.
 Gear-operated double-socket wrench. O. D. Veneman. 2,482,387, Sept. 20.
 Gear operated dual wrench. C. V. Gann. 2,479,225, Aug. 16.
 Gear-operated wrench. M. Moritz and I. MacKay. 2,478,935, Aug. 16.
 Gear or device, Antibroaching. R. R. Norris. 2,476,319, July 19.
 Gear or wheel puller. C. R. Gilbertson. 2,468,970, May 3.
 Gear pairs, Cutting. H. E. Stonebraker. 2,463,725, Mar. 8.
 Gear planing machine. A. Aepli. 2,479,287, Aug. 16.
 Gear puller. L. W. Taylor. 2,484,129, Oct. 11.
 Gear pump. G. W. Müller. 2,481,143, Sept. 6.
 Gear pump. S. V. E. Taylor. 2,492,073, Dec. 20.
 Gear pump. A. B. Thacher. 2,471,915, May 31.
 Gear pump. J. A. Vertson. 2,484,917, Oct. 18.
 Gear pump for transmission mainshafts, Internal. T. Iavelli. 2,475,242, July 5.
 Gear shaping cutter. D. D. Austin, Sr. 2,491,637, Dec. 20.
 Gear shift attachment. J. L. Rogers. 2,490,708, Dec. 6.
 Gearshift control. C. A. Gustafson. 2,485,732, Oct. 25.
 Gear shifting mechanism. R. C. Russell. 2,462,779, Feb. 22.
 Gear shifting mechanism, Lathe headstock. R. K. Le Blond and H. C. Kemper. 2,466,814, Apr. 12.
 Gear stop mechanism. K. A. Kesselring. 2,464,584, Mar. 15.
 Gear system for indicators, Electromechanical. H. L. Clark. 2,462,846, Mar. 1.
 Gear tooth profile. G. A. Ungar. 2,462,924, Mar. 1.
 Gear unit, Air-cooled reduction. S. L. Eastman and C. M. Johns. 2,481,914, Sept. 13.
 Gear with roller bodies, Stepless variable change-speed. J. Kopp. 2,469,653, May 10.
 Gearing. B. F. Bregi and V. E. Francis. 2,464,963, Mar. 22.
 Gearing. S. T. and F. L. Farrell. 2,466,218, Apr. 5.
 Gearing. R. M. Hoffmann. 2,491,313, Dec. 13.
 Gearing. H. L. Misch. 2,485,503, Oct. 18.
 Gearing, Annular floating toothed. B. G. W. Bartlett. 2,462,455, Feb. 22.
 Gearing, Clutch. D. M. K. Marendaz. 2,458,716, Jan. 11.
 Gearing, Cushioned planetary. T. L. Fawick. 2,460,629, Feb. 1.
 Gearing, Differential. I. K. Dortort. 2,463,091, Mar. 1.
 Gearing, Differential. F. E. Miller, Jr. 2,490,146, Dec. 6.
 Gearing, Dual ratio. H. N. Hoffman. 2,473,250, June 14.
 Gearing, Engine starter. J. E. Buxton, F. T. Christian, and K. E. Demure. 2,469,792, May 10.
 Gearing, Engine starter. B. L. Miller. 2,464,182, Mar. 8.
 Gearing, Engine starter. B. Ulrich, Jr., and G. W. Pontius, III. 2,469,854, May 10.
 Gearing for centrifugal machines, Differential. A. F. Howe. 2,458,706, Jan. 11.
 Gearing for driving a plurality of spindles. A. Illsche. 2,470,985, May 24.
 Gearing for internal-combustion engines, Starter-generator. G. Mauric, R. E. Green, and N. L. Rosin. 2,466,461, Apr. 6.
 Gearing, Interchangeable. G. J. Scofield. 2,478,059, Aug. 2.
 Gearing, Locomotive reversing. J. S. Newton. 2,469,743, May 10.
 Gearing mechanism, Adjustable speed. G. C. Webster. 2,477,024, July 26.
 Gearing, Planetary. E. E. Arnold and J. S. Newton. 2,472,559, June 7.
 Gearing, Planetary drive. O. D. Premo. 2,464,890, Mar. 22.
 Gearing, Power take-off. T. L. Fawick. 2,486,269, Oct. 25.
 Gearing, Pump jack. W. R. Ocheltree. 2,465,033, Mar. 22.
 Gearing, Spiral. C. O. J. Montelius. 2,486,193, Oct. 25.
 Gearing, Starter-generator. V. A. Hoover. 2,466,427, Apr. 5.
 Gearing, Step-up. R. E. Burrus. 2,472,788, June 14.
 Gearing, Synchronized planetary reversing. E. E. Arnold, T. J. Putz, and J. S. Newton. 2,463,012, Mar. 1.
 Gears or the like, Making cushioned. T. L. Fawick. 2,483,267, Sept. 27.
 Geiger-Müller counter, Thin-walled. R. Smoluchowski. 2,465,821, Mar. 29.
 Gel catalysts, Preparation of. T. H. Milliken, Jr. 2,487,065, Nov. 8.
 Gel composition and preparation, Reversible. C. E. Barnes and W. O. Ney, Jr. 2,476,527, July 19.
 Gel-type imidized polyacrylamide. L. M. Minsk and W. O. Kenyon. 2,486,192, Oct. 25.
 Gelatin. D. P. Grettie and H. H. Young. 2,477,539, July 26.
 Gelatin and aldonic acids and making same, Reaction products of. A. E. Chester and F. F. Reisinger. 2,458,504, Jan. 11.
 Gelatin, Preparing. R. E. Damschroder and M. E. Kauffman. 2,460,809, Feb. 8.
 Gelatin subbing composition. R. P. Easton. 2,461,467, Feb. 8.
 Gelatin subbing compositions containing a mixture of formamide and glycerol- α -chlorohydrin. F. J. Kaszuba. 2,461,472, Feb. 8.
 Gelatin subbing compositions containing an unsaturated lactone. F. J. Kaszuba. 2,461,477, Feb. 8.
 Gelatin subbing compositions containing ascorbic acid (vitamin C). F. J. Kaszuba. 2,461,475, Feb. 8.
 Gelatin subbing compositions containing lactones or hydroxy lactones. F. J. Kaszuba. 2,461,476, Feb. 8.
 Gelatin subbing compositions having antistatic properties. F. J. Kaszuba. 2,461,473-4, Feb. 8.
 Gelatin subbing compositions having antistatic properties. F. J. Kaszuba. 2,461,478, Feb. 8.
 Gelation. C. I. Glassbrook and R. C. Hansford. 2,484,284, Oct. 11.
 Gelling composition containing edible Irish moss extract, locust bean gum, and an edible salt. G. L. Baker. 2,466,146, Apr. 5.
 Gelling viscous sol particles in aqueous ammonia. M. M. Marisc and E. M. Griest. 2,492,808, Dec. 27.
 Gels, Preparing extruded. J. W. Payne, J. M. Johnson, and E. A. Bodkin. 2,480,669, Aug. 30.
 Generating alternating currents. B. Stalhane. 2,487,279, Nov. 8.
 Generating and driving machine, Electrostatic. N. Felici. 2,486,140, Oct. 25.
 Generating apparatus, Tachometer. J. H. Nilson and V. C. Westberg. 2,460,999, Feb. 8.
 Generating clutch teeth for extended intimate contact. N. L. Cobb. 2,474,393, June 28.
 Generating compositions, Solid, stable chlorine dioxide. R. N. Aston. 2,482,891, Sept. 27.
 Generating machine, Cam. L. L. Weisglass. 2,480,102, Aug. 30.
 Generating mechanism, Rate. E. P. Ross. 2,481,039, Sept. 6.
 Generating music electrically. A. T. Cahill. 2,463,597, Mar. 8.
 Generating plant, Electric current. E. M. Griffin. 2,477,691, Aug. 2.
 Generating power. A. J. Blackwood. 2,478,682, Aug. 9.
 Generating system, Electric. W. O. Baer. 2,477,714, Aug. 2.
 Generating system for automobiles, Emergency. J. M. Farzinger. 2,470,898, May 24.
 Generating system, High-frequency. J. E. Young and E. Miller. 2,467,285, Apr. 12.
 Generating system, Noise. R. H. Brown. 2,486,106, Oct. 25.
 Generating system, Pulse. H. G. Busignies. 2,474,219, June 28.
 Generating system, Pulse. E. M. Ostlund and P. W. Sokoloff. 2,474,275, June 28.
 Generating time modulated electrical pulses. M. M. Levy. 2,492,161, Dec. 27.
 Generation and modulation of alternating current signals. E. A. Goldberg. 2,469,264, May 3.
 Generation of monomeric formaldehyde gas from formaldehyde polymers. A. R. Miller, Jr. 2,460,592, Feb. 1.
 Generation of synthesis gas. E. W. Riblett. 2,491,518, Dec. 20.
 Generation of transverse vibrations in liquids. W. P. Mason. 2,490,452, Dec. 6.

Generator: See—

Air-cooled generator. Oscillation generator.
 Alternating current generator. Oscillator generator.
 Bicycle generator. Portable thermoelectric generator.
 Coaxial line generator. Producer gas generator.
 Controllable pulse generator. Pulse and square wave generator.
 Controlled generator. Pulse generator.
 Deflecting signal generator. Pulse-modulated wave-signal generator.
 Direct reading multi-frequency generator. Rectangular wave impulse generator.
 Discharge wave generator. Regulating generator.
 Dual circuit generator. Reversible polarity generator.
 Electric current generator. Rotation rate change generator.
 Electric generator. Saw-tooth voltage generator.
 Electric impulse generator. Sawtooth wave generator.
 Electromagnetic deflection generator. Signal generator.
 Electronic impulse generator. Smoke screen generator.
 Electronic noise generator. Square voltage wave generator.
 Electronic saw-tooth voltage generator. Stabilized oscillation generator.
 Electronic signal generator. Stabilized oscillator generator.
 Electronic square wave signal generator. Starter generator.
 Electronic trigger pulse generator. Steam generator.
 Explosion-proof generator. Step wave generator.
 Fractional frequency generator. Synchronized pulse generator.
 Free piston gas generator. Tapered-pole-face generator.
 Gas generator. Telephone ringing current generator.
 Gas turbine exhaust steam generator. Ultra high frequency harmonic generator.
 Harmonic-frequency generator. Ultra high frequency oscillation generator.
 Harmonic generator. Unsymmetrical rectangular wave generator.
 High-frequency generator. Variable frequency oscillation generator.
 High-power pulse generator. Variable predetermined number pulse generator.
 High-voltage generator. Variable voltage generator.
 Impulse generator. Variable wave generator.
 Magneto electric generator.
 Magneto generator.
 Motor generator.
 Multiple direct-current generator.

Generator. C. W. Jarvis. 2,460,790, Feb. 1.
 Generator and fluid flow meter. W. H. Misson. 2,492,493, Dec. 27.
 Generator and frequency multiplier. Oscillation. A. P. Buffington. 2,459,262, Jan. 18.
 Generator and inhaler. Portable chlorine gas. S. M. Goldberg. 2,466,020, Apr. 5.
 Generator brush tool. R. K. Clark. 2,470,091, May 17.
 Generator control system. R. M. Critchfield and P. L. Schneider. 2,467,968, Apr. 19.
 Generator discharge device. Electronic high-voltage. A. L. Samuel. 2,464,349, Mar. 15.
 Generator excitation system. C. Lynn. 2,467,757, Apr. 19.
 Generator for fuses. Air turbine. J. A. Senn. 2,468,120, Apr. 26.
 Generator for motor scooters and the like. Electric light. C. McDermott. 2,492,810, Dec. 27.
 Generator for telemetering systems. Impulse. G. M. Giannini. 2,471,947, May 31.
 Generator for the balancing of rotors. Portable. A. C. Hagg and B. Cametti. 2,486,277, Oct. 25.
 Generator, heat exchanger, and circulator in absorption refrigeration systems. W. L. Edel. 2,479,062, Aug. 16.
 Generator, hyperbolic wave form. Voltage. F. L. Talbott and R. O. Robinson, Jr. 2,485,938, Oct. 25.
 Generator mounting. W. K. Bodger. 2,461,195, Feb. 8.
 Generator of the reflex type. Oscillation. W. W. Rigrod. 2,489,156, Nov. 22.
 Generator of the velocity modulation type. Oscillation. R. G. Roach. 2,485,661, Oct. 25.
 Generator of time modulated pulses. A. V. Lord. 2,479,947, Aug. 23.
 Generator or modulator. Signal. J. R. Shonnard. 2,459,293, Jan. 18.
 Generator regulation. J. W. Allen. 2,467,363, Apr. 19.
 Generator system. Permanent magnet. H. A. W. Klinkhamer. 2,486,656, Nov. 1.
 Generator with impulse counter timing control for frequency division. Square wave. E. R. Shenk. 2,489,824, Nov. 29.
 Generators. Frequency stabilizing signal. L. E. Norton. 2,479,697, Aug. 23.
 Geneva type intermittent movement. K. Brenkert, Jr. 2,464,792, Mar. 22.
 Geophone. R. G. Piety. 2,487,029, Nov. 1.
 Geophysical exploration. Method of and apparatus for. G. Peterson. 2,479,772, Aug. 23.
 Geophysical prospecting. L. F. Kitto. 2,460,297, Feb. 1.
 Geophysical prospecting. Method and apparatus for. F. P. Hochgessang and C. H. Schlesman. 2,470,743, May 17.

Geophysical prospecting method. A. J. Abrams. 2,465,563, Mar. 29.
 Germanium films. Forming. V. J. Schaefer. 2,462,681, Feb. 22.
 Germicidal compositions. H. G. Kolloff. 2,489,965, Nov. 29.
 Getter structure. L. Reiner. 2,462,813, Feb. 22.
 Gettering for discharge tubes. C. F. Veenemans and H. C. Hamaker. 2,482,043, Sept. 13.
 Getting incandescent lamps or discharge tubes. J. A. M. van Liempt. 2,491,880, Dec. 20.
 Gimbals and other bearings. A. P. Glenn. 2,484,821, Oct. 18.
 Girdle. B. Cohen. 2,476,585, July 19.
 Girdle. V. Giegerich. 2,466,942, Apr. 12.
 Girdle. B. Murdock. 2,465,913, Mar. 29.
 Girdle. W. R. Spiess. 2,482,640, Sept. 20.
 Girdle applying device. E. W. Shaffer. 2,483,714, Oct. 4.
 Girdle crotch piece. Pantie. M. J. Rayden. 2,468,346, Apr. 26.
 Girdle holder. P. E. Rosenblatt. 2,477,829, Aug. 2.
 Girdle. Pantie. Z. Geltz. 2,478,263, Aug. 9.
 Girdle. Pantie. T. H. Gershenow. 2,477,593, Aug. 2.
 Girdle. Reinforced. C. Stone. 2,489,111, Nov. 22.
 Girt. Supporting. G. W. O'Keefe. 2,468,892, May 3.
 Gland. Pressureproof. G. K. C. Hardesty. 2,466,026, Apr. 5.
 Glare shield. Auxiliary. F. Friedheim. 2,485,440, Oct. 18.
 Glass and composition thereof. Forming porous. C. J. Plank. 2,480,672, Aug. 30.
 Glass and making. Black. N. J. Kreidl. 2,473,958, June 21.
 Glass and the like products. Production of coated. W. H. Bennett and R. B. Taylor. 2,491,889, Dec. 20.
 Glass article. Molded. H. P. Hood. 2,466,849, Apr. 12.
 Glass articles. Making fibrous. M. E. Nordberg. 2,461,841, Feb. 15.
 Glass batch composition. G. J. Bair. 2,478,151, Aug. 2.
 Glass. Beryllio-aluminate. K. Sun. 2,466,508, Apr. 5.
 Glass blank. Manufacturing a. R. L. Breadner. C. H. Simms, and J. W. Harris. 2,491,848, Dec. 20.
 Glass bodies comprising a tubular glass member. Making. H. J. Lemmens. 2,490,528, Dec. 6.
 Glass-bonded mica. Drilling. A. J. Monack and V. Mueller. 2,465,388, Mar. 29.
 Glass. Borate optical. K. Sun and T. E. Callear. 2,466,510, Apr. 5.
 Glass brick. S. A. McKuskie. 2,485,243, Oct. 18.
 Glass catalysts. Preparing porous. C. J. Plank. 2,472,490, June 7.
 Glass composition. A. G. Pincus. 2,477,649, Aug. 2.
 Glass cutter. G. A. Philippe. 2,470,444, May 17.
 Glass cutter. W. M. Baker. 2,473,189, June 14.
 Glass electrode. H. H. Cary and W. P. Baxter. 2,462,843, Mar. 1.
 Glass feeder shear mechanism actuating means. C. R. Avery. 2,472,560, June 7.
 Glass fiber unit. Parallel. A. L. Simison. 2,484,003, Oct. 4.
 Glass fibers. Method and apparatus for making fine. G. Slayter and E. Fletcher. 2,489,242, Nov. 22.
 Glass fibers. Method and apparatus for making fine. C. J. Stalego. 2,489,243, Nov. 22.
 Glass fibers. Method and apparatus for producing. C. J. Stalego. 2,481,543, Sept. 13.
 Glass. Fluoride. K. Sun. 2,466,509, Apr. 5.
 Glass for high-pressure service. Liquid gauge. T. B. Allardice. 2,467,452, Apr. 19.
 Glass forming apparatus and method. Sheet. G. W. Batchell. 2,475,773, July 12.
 Glass. Infrared transmitting. W. H. Armistead. 2,469,490, May 10.
 Glass. Lead-titanium-borate. K. H. Sun. 2,472,447, June 7.
 Glass. Making heated window. H. R. Marini. 2,470,509, May 17.
 Glass. Making fluoride. K. Sun. 2,466,507, Apr. 5.
 Glass. Making plate. M. L. Devol. 2,478,090, Aug. 2.
 Glass. Manufacturing. L. V. Black. 2,470,461, May 17.
 Glass. Marking. N. J. Kreidl and L. P. Ohliger. 2,468,402, Apr. 26.
 Glass melting furnace. L. S. Longenecker. 2,460,514, Feb. 1.
 Glass-metal seals. Making. W. J. Knochel and J. J. Aakjer. 2,482,494, Sept. 20.
 Glass of very rapid fusion and high point of transformation. A. Danzin and E. Despois. 2,468,868, May 3.
 Glass. Optical. W. H. Armistead. 2,490,331, Dec. 6.
 Glass. Optical. P. F. De Paolis. 2,466,392, Apr. 5.
 Glass sealing alloy. C. B. Post and W. S. Eberly. 2,471,079, May 24.
 Glass setting device. J. T. Miller. 2,460,391, Feb. 1.
 Glass setting for store fronts. J. T. Miller. 2,460,185, Jan. 25.
 Glass setting means. M. Ketchum, Jr. 2,463,284, Mar. 1.
 Glass-shaping mold. C. H. Lysle and J. M. Guthrie. 2,490,450, Dec. 6.
 Glass. Skeletonizing. S. M. Thomsen. 2,490,662, Dec. 6.
 Glass. Thallium-silicate. K. H. Sun. 2,472,448, June 7.
 Glass thread. Aluminum covered. A. Biddle. 2,458,243, Jan. 4.
 Glassware forming apparatus. E. Danner. 2,462,806, Feb. 22.

- Glassware-forming apparatus. E. Danner. 2,474,302, June 28.
- Glassware forming machine. S. E. Winder. 2,466,669, Apr. 12.
- Glassware, Manufacture of tubular. E. Danner. 2,462,808, Feb. 22.
- Glassware, Manufacture of tubular. E. Danner. 2,464,028, Mar. 8.
- Glassware, Manufacturing. E. Danner. 2,486,737, Nov. 1.
- Glass, Welding. M. R. Shaw, Jr. 2,470,376, May 17.
- Glasses, Fluoborate. K. Sun. 2,466,505, Apr. 5.
- Glasses, Fluoride. K.-H. Sun and T. E. Callear. 2,466,506, Apr. 5.
- Glasses having a low coefficient of expansion. A. Danzin. 2,469,867, May 10.
- Glassine gummed paper label holder. T. J. Williams. 2,464,426, Mar. 15.
- Glaze applying machine. V. E. Ackles. 2,472,454, June 7.
- Glaze compositions, Porcelain. L. E. Thiess. 2,478,645, Aug. 9.
- Glazier's tool. A. E. Abruzzese. 2,487,291, Nov. 8.
- Glazing construction, Multiple glass sheet. F. A. Rodman. 2,478,837, Aug. 9.
- Glide, Furniture. W. L. Trafton. 2,476,436, July 19.
- Glider, Furniture. W. H. Churchill. 2,488,849, Nov. 22.
- Global time indicator. A. E. Freel. 2,463,758, Mar. 8.
- Globe, Geographical. B. H. Darrow. 2,466,581, Apr. 5.
- Globe, Illuminated. R. A. Work. 2,490,185, Dec. 6.
- Globe, Illuminated world. W. H. Dietz. 2,492,691, Dec. 27.
- Globe, Terrestrial. N. Concordet. 2,492,785, Dec. 27.
- Globin and its preparation, Modified. M. M. Strumia and F. W. Chornock. 2,460,550, Feb. 1.
- Glossmeter, Photoelectric. R. S. Hunter. 2,471,750, May 31.
- Glove. C. P. Coupas and E. E. Schreivogl. 2,464,378, Mar. 15.
- Glove. G. A. Kurz. 2,488,416, Nov. 15.
- Glove. F. Tatar. 2,463,441, Mar. 1.
- Glove, Baseball. J. Gregg. 2,473,025, June 14.
- Glove, Baseball. H. B. Latina. 2,459,887, Jan. 25.
- Glove, Baseball. W. J. Sonnett and B. B. Stobbe. 2,475,262, July 5.
- Glove, Boxing. J. P. Corbett. 2,466,793, Apr. 12.
- Glove, Golfer's. F. P. Troccoli. 2,465,136, Mar. 22.
- Glove incorporating a change purse. H. Le Clair. 2,472,761, June 7.
- Glove, Nonslip golf. C. W. Braswell. 2,474,030, June 21.
- Glove or the like. R. Steinberg. 2,462,787, Feb. 22.
- Glow discharge in vacuum coating processes, Use of. G. H. Bancroft and G. R. Nagel. 2,467,953, Apr. 19.
- Glow-discharge lamp tuning indicator. D. C. Pinkerton. 2,479,964, Aug. 23.
- Glow discharge switch. A. Warsher. 2,485,520, Oct. 18.
- Glow switch. F. D. Graham. 2,489,961, Nov. 29.
- Glow switch. S. H. Noble. 2,459,578, Jan. 18.
- Glue spreader and paper cutter. O. M. Bratrud. 2,483,750, Oct. 4.
- Gluing apparatus. H. C. Carman. 2,492,843, Dec. 27.
- Gluing device. W. L. Steen. 2,465,941, Mar. 29.
- Gluing machine. R. Minkow. 2,461,383, Feb. 8.
- Glutamic acid and salts thereof, Production of. F. A. Hoglan. 2,463,877, Mar. 8.
- Glutamic acid, Production of. M. J. Blish. 2,487,785, Nov. 15.
- Glutamic acid purification process. R. W. Stenehjelm and R. E. Cox. 2,487,739, Nov. 8.
- Glutamic acid, Recovering. F. A. Hoglan. 2,487,807, Nov. 15.
- Glutaric acid, Manufacture of. L. A. Mikeska. 2,461,336, Feb. 8.
- Gluten containing compositions. L. Lowen. 2,461,829, Feb. 15.
- Gluten sulfate and salts thereof, Preparing. H. C. Reitz. 2,472,267, June 7.
- Glyceride oils, Fractionation of unsaturated. E. M. James. 2,459,820, Jan. 25.
- Glyceride oils, Modifying. G. Barsky. 2,484,979, Oct. 18.
- Glyceride oils, Purification of. B. H. Thurman. 2,462,923, Mar. 1.
- Glyceride oils, Reacting. I. M. Colbeth. 2,469,371, May 10.
- Glyceride oils, Refining. B. Clayton. 2,478,089, Aug. 2.
- Glyceridic esters, Bleaching. E. R. Woodward. 2,473,930, June 21.
- Glyceridic oil composition and preparing same. H. W. Vahlteich, R. H. Neal, and C. M. Gooding. 2,485,632, Oct. 25.
- Glyceridic oil compositions and preparing same. H. W. Vahlteich, C. M. Gooding, and R. H. Neal. 2,485,639, Oct. 25.
- Glycerine from fermentation concentrates, Recovering. N. M. Mookin. 2,478,417, Aug. 9.
- Glycerine, Purification of. F. J. Sprules and R. Liebling. 2,487,811, Nov. 8.
- Glycerol esters of fatty and hydroxy acids, Making mixed. L. L. Little. 2,480,332, Aug. 30.
- Glyceryl ester of levo-pimmaric acid-maleic anhydride adduct, Polymerizing the. E. E. Fleck. 2,458,772, Jan. 11.
- Glycidyl allyl phthalate and related mixed esters together with polymers thereof. E. C. Shokal, L. N. Whitehill, and C. V. Wittenwyler. 2,476,922, July 19.
- Glycidyl ester copolymers. H. P. Staudinger, D. Faulkner, and M. D. Cooke. 2,470,324, May 17.
- Glycidyl polyethers of polyhydric aromatic alcohols, Preparation of. E. G. G. Werner and E. Farenhorst. 2,467,171, Apr. 12.
- Glycol, Manufacture of. M. Gonze. 2,472,417, June 7.
- Glycol monoesters of acrylic and α -methacrylic acids, Preparing. J. R. Caldwell. 2,484,487, Oct. 11.
- Glycosides utilizing azeotropic distillation, Preparation of. K. Miescher and C. Meystre. 2,479,761, Aug. 23.
- Glyoxal, Purifying. H. R. Guest and R. W. McNamee. 2,463,030, Mar. 1.
- Goal post, Vertical swingable elevated. E. B. Gronquist. 2,480,572, Aug. 30.
- Gocart, Folding. W. H. Buchhagen. 2,466,760, Apr. 12.
- Gold compounds and ceramic-decorating compositions containing same. K. H. Ballard. 2,490,399, Dec. 6.
- Gold ore treatment, Arsenical. J. V. Thompson. 2,477,469, July 26.
- Golf bag. L. Salzberg and E. J. Hughes, Jr. 2,471,169, May 24.
- Golf bag carrying handle. A. Hotze. 2,477,251, July 26.
- Golf bag support. W. M. Foley. 2,476,718, July 19.
- Golf bag vehicle. Z. C. Birnberg. 2,467,075, Apr. 12.
- Golf ball, Practice. B. C. Barton. 2,484,397, Oct. 11.
- Golf ball tee. E. J. Nelson. 2,470,574, May 17.
- Golf club. H. C. Lagerblade and D. J. Root. 2,462,754, Feb. 22.
- Golf club. F. B. Schaffer. 2,460,435, Feb. 1.
- Golf club. J. Verderber. 2,475,926-7, July 12.
- Golf club. R. F. Wheeler and E. J. Marciniak. 2,458,920, Jan. 11.
- Golf club. G. W. Yearley. 2,478,554, Aug. 9.
- Golf club accessory for swing practice. H. W. McConnell. 2,482,015, Sept. 13.
- Golf club, Adjustable head. R. D. Brouwer. 2,477,438, July 26.
- Golf club carrier. R. Baker. 2,458,924, Jan. 11.
- Golf club carrier. H. W. Duncan. 2,486,827, Nov. 1.
- Golf club carrier. R. A. Merrill. 2,475,454, July 5.
- Golf club carrier. W. C. Moffitt. 2,480,377, Aug. 30.
- Golf club carrier. R. Rosso. 2,482,372, Sept. 20.
- Golf club construction. F. Pritchard. 2,463,053, Mar. 1.
- Golf club grip. T. P. Duncan, Jr. 2,459,996, Jan. 25.
- Golf club head. E. P. Kearsley and E. J. Marciniak. 2,486,952, Nov. 1.
- Golf club head, Universal. F. Mahon. 2,472,978, June 14.
- Golf club shaft, Sectional. P. G. Crawshaw. 2,464,850, Mar. 22.
- Golf club supporting device. G. J. Hunt. 2,465,096, Mar. 22.
- Golf cup. D. Matheny. 2,461,386, Feb. 8.
- Golf exercising apparatus. R. F. Cottingham. 2,472,065, June 7.
- Golf, Indoor. C. S. Barker. 2,472,187, June 7.
- Golf instructing device. J. W. Norwood. 2,482,930, Sept. 27.
- Golf playing field. M. B. Reach, Sr., and M. B. Reach, Jr. 2,482,210, Sept. 20.
- Golf practice device. F. L. Johnston. 2,469,301, May 3.
- Golf practice device. S. Quattrin. 2,469,002, May 3.
- Golf practice device. V. D. Sell. 2,458,105, Jan. 4.
- Golf practicing and teaching apparatus. R. F. Cottingham. 2,458,932, Jan. 11.
- Golf putter. J. F. Drake. 2,478,468, Aug. 9.
- Golf putter. T. Paisley. 2,463,798, Mar. 8.
- Golf score indicator. L. A. Culver. 2,485,191, Oct. 18.
- Golf scorer. W. I. Nicholson, Jr. 2,467,686, Apr. 19.
- Golf shoe spike or calk. A. F. Zadina. 2,459,610, Jan. 18.
- Golf swing trainer. L. M. Krautter. 2,461,826, Feb. 15.
- Golf tee. D. A. MacInnes and A. J. Allgoewer. 2,466,115, Apr. 5.
- Golf tee. J. Mursch. 2,469,928, May 10.
- Golf tee, Flexible. H. D. Hendricks. 2,470,817, May 24.
- Goniometer. F. O. Chesus, F. G. Thomas, and C. S. Bednash. 2,465,353, Mar. 29.
- Gooseneck motion for die casting machines. L. H. Morin. 2,486,053, Oct. 25.
- Governing apparatus. D. R. Staples. 2,472,050, May 31.
- Governing apparatus for electric machinery, Electronic. R. L. Jaeschke and D. V. Edwards. 2,489,184, Nov. 22.
- Governing of free piston type internal-combustion compressors. R. J. Welsh. 2,492,546, Dec. 27.
- Governor. I. E. Coffey. 2,459,061, Jan. 11.
- Governor. R. R. Dulong. 2,482,161, Sept. 20.
- Governor. W. H. Harstick. 2,484,995, Oct. 18.
- Governor. A. Kalin. 2,466,438, Apr. 5.
- Governor. L. De Marco. 2,464,853, Mar. 22.
- Governor. J. L. Ray. 2,474,324, June 28.
- Governor apparatus. A. F. Schwendner. 2,467,445, Apr. 19.
- Governor apparatus. A. F. Schwendner. 2,482,560, Sept. 20.
- Governor, Centrifugal. A. H. Rodeck and A. G. Massey. 2,473,449, June 14.
- Governor, Electric. H. E. Carnagua. 2,467,521, Apr. 19.
- Governor, Engine. M. Mallory. 2,473,806-7, June 21.
- Governor, Fluid velocity. H. T. Snell. 2,462,785, Feb. 22.
- Governor for centrifuges, Speed. W. H. Hardstick. 2,465,154, Mar. 22.
- Governor for gas electric drives. M. A. Edwards and C. B. Lewis. 2,489,871, Nov. 29.

- Governor for gas motors, Vacuum operated. H. W. Ramey. 2,479,257, Aug. 16.
- Governor for motors, Centrifugal. V. C. Kennedy. 2,469,043, May 3.
- Governor for wind-driven propellers. J. R. and G. H. Albers. 2,480,687, Aug. 30.
- Governor, Hydraulic. W. E. W. Nicolls. 2,481,334, Sept. 6.
- Governor, Hydraulic speed. R. R. Holbrook. 2,468,687, Apr. 26.
- Governor, Magnetic. C. L. Fitz. 2,481,920, Sept. 13.
- Governor, Mechanical. J. H. Trevitt. 2,477,102, July 26.
- Governor mechanism. W. J. Williams. 2,478,797, Aug. 9.
- Governor, Multiweight roller cam. H. W. Price. 2,466,273, Apr. 5.
- Governor, Propeller. C. W. Chillson. 2,474,140, June 21.
- Governor, Propeller. F. W. Werth, Jr. 2,472,181, June 7.
- Governor, Speed. D. Ramsay. 2,488,829, Nov. 22.
- Governor, Transmission. W. Morton and R. W. Hermanson. 2,479,764, Aug. 23.
- Governor, Two-speed. W. M. May and L. E. Burgess. 2,474,316, June 28.
- Governor, Vehicle. R. F. Nowalk. 2,469,779, May 10.
- Grab bucket and live boom, Combination. K. J. Kennedy. 2,486,479, Nov. 1.
- Grade crossing gate. S. Miskelly. 2,488,313, Nov. 15.
- Grade indicator. A. P. Gubrud. 2,470,029, May 10.
- Grade indicator. G. Langley. 2,481,847, Sept. 13.
- Grade pitch indicator. A. G. White. 2,486,697, Nov. 1.
- Gradeometer. V. R. Will. 2,483,029, Sept. 27.
- Grader. R. W. Stadler. 2,464,003, Mar. 8.
- Grader for carrots and vegetables having like-tapering forms, Bar screen. R. H. Winters. 2,458,887, Jan. 11.
- Grader, Quality. M. O. Smith. 2,466,973, Apr. 12.
- Gradientometer, Magnetic field angular. J. H. Stein. 2,490,102, Dec. 6.
- Grading and separating apparatus, Fish. H. P. Smith. 2,483,507, Oct. 4.
- Grading machine. W. L. MacKenzie. 2,466,178, Apr. 5.
- Grain bin indicator. A. M. Unruh. 2,475,438, July 5.
- Grain buncher, Threshed. A. E. Jacobs. 2,484,949, Oct. 18.
- Grain drier. W. E. and B. L. Tomlinson. 2,490,176, Dec. 6.
- Grain elevator, Pneumatic. A. B. Welty. 2,474,205, June 21.
- Grain gate. A. J. Canon. 2,487,693, Nov. 8.
- Grain preparations of high diastatic power. V. L. Erlich. 2,486,396, Nov. 1.
- Grain saver for harvester reels, Down. J. T. Booth. 2,489,516, Nov. 29.
- Grain swather, Front mounted. W. E. Kriedeman. 2,487,144, Nov. 8.
- Grain threshing and separating machine. R. Crain. 2,473,788, June 21.
- Grain treating machine. J. F. Stokes. 2,481,957, Sept. 13.
- Grain unloading and mixing vehicle. F. R. Woodard. 2,466,923, Apr. 12.
- Graining apparatus. J. M. Simpson. 2,458,108, Jan. 4.
- Graining machine having a vibratory table. P. H. van den Hove, Jr. 2,466,516, Apr. 5.
- Granular materials, Heating of. C. Davies, Jr., and R. York, Jr. 2,462,366, Feb. 22.
- Grappler. S. H. Hall. 2,481,923, Sept. 13.
- Grass cutter and edge trimmer, Combination. R. E. Harshman. 2,480,922, Sept. 6.
- Grass cutter and hedge trimmer. G. W. Holmes. 2,483,772, Oct. 4.
- Grass trimmer, Power-driven. J. H. Godfrey. 2,485,963, Oct. 25.
- Grate fastening. H. M. Simon. 2,471,659, May 31.
- Grate, Fire. C. Lux. 2,482,191, Sept. 20.
- Grate, Furnace. A. E. Kozenski. 2,485,386, Oct. 18.
- Grate holder and pan, Combination. M. J. Hanselman. 2,475,319, July 5.
- Grate, Inclined. W. S. Anderson, Jr. 2,466,789, Apr. 12.
- Grate link, Self-spacing. H. G. Meissner. 2,491,996, Dec. 20.
- Grater and dispenser, Soap. J. H. Crichton. 2,489,081, Nov. 22.
- Grater, Food. G. L. Terzini. 2,483,161, Sept. 27.
- Grater or shredder. W. F. Murray. 2,477,198, July 26.
- Grater, Rotary drum cheese. J. Orlando. 2,481,336, Sept. 6.
- Grater with horizontal axis disk, Food. W. A. Moran. 2,471,643, May 31.
- Grater with removable toolplate, Reciprocating. T. H. Walker. 2,460,663, Feb. 1.
- Grater with rotatable cylinder, Food. A. Baer. 2,478,449, Aug. 9.
- Grating. W. A. Bates. 2,477,228, July 26.
- Grating and making same, Open floor. G. G. Greulich. 2,469,070, May 3.
- Gravitometer. D. C. Hill and W. A. McGlashen. 2,458,164, Jan. 4.
- Gravity-actuated high-voltage switch. R. P. Roetter. 2,485,170, Oct. 18.
- Gravity controlled liquid applying device. H. W. Jockers. 2,485,494, Oct. 18.
- Gravity-fed gas burner. C. D. Jones. 2,480,658, Aug. 30.
- Gravity feed centrifugal pump. J. H. V. Finney. 2,469,374, May 10.
- Gravity liquid separator. W. Scholes. 2,489,161, Nov. 22.
- Gravity liquid separator. K. F. Tromp. 2,458,035, Jan. 4.
- Gravity type oil burner. R. C. Veit. 2,479,033, Aug. 16.
- Grease. H. Van Olphen. 2,465,961, Mar. 29.
- Grease. R. A. Swenson. 2,487,080-1, Nov. 8.
- Grease and making the same, Lithium-aluminum soap lubricating. C. W. Georgi. 2,477,296, July 26.
- Grease, Bleaching wool. E. R. Woodward and I. Malmstrom. 2,481,463, Sept. 6.
- Grease composition. A. J. Morway and C. R. Daniels. 2,468,098, Apr. 26.
- Grease composition. J. C. Zimmer and G. W. Duncan. Re. 23,082, Jan. 25.
- Grease composition. J. C. Zimmer and G. W. Duncan. 2,483,800, Oct. 4.
- Grease composition, Lubricating. A. A. Bondi. 2,475,589, July 12.
- Grease compositions. A. J. Morway and D. W. Young. 2,491,055, Dec. 13.
- Grease compositions, Lubricating. A. Beerbower and A. J. Morway. 2,491,028, Dec. 13.
- Grease compositions, Lubricating. A. J. Morway. 2,477,311, July 26.
- Grease containing organic amines, Production of an aluminum base. A. A. Bondi. 2,491,641, Dec. 20.
- Grease, Heavy-duty industrial. A. J. Hoiberg. 2,488,293, Nov. 15.
- Grease, High-temperature. A. J. Morway. 2,468,099, Apr. 26.
- Grease, Low-temperature. J. C. Zimmer and A. J. Morway. 2,487,261, Nov. 8.
- Grease, Lubricating. A. J. Morway. 2,491,054, Dec. 13.
- Grease, Lubricating. W. W. Pedersen. 2,486,674, Nov. 1.
- Grease manufacture. H. G. Houlton. 2,483,282, Sept. 27.
- Grease, Manufacture of. H. A. Woods, W. J. Yates, L. Klingen, and R. C. Barton. 2,470,965, May 24.
- Grease, Method and apparatus for making. G. M. Hain. 2,478,917, Aug. 16.
- Grease, Water resisting. R. A. Butcosk and E. T. White. 2,491,441, Dec. 13.
- Greases. J. C. Stamm. 2,463,822, Mar. 8.
- Greases. A. W. Weitkamp. 2,463,823, Mar. 8.
- Greasing machine, Pan. P. Kellner. 2,459,324, Jan. 18.
- Greenhouse construction. W. Wilson. 2,458,455, Jan. 4.
- Grid casting mold. H. C. Winkel. 2,467,246, Apr. 12.
- Grid construction, Vacuum tube. H. Selvidge. 2,460,794, Feb. 1.
- Grid control for static current converters. V. Lamm. 2,479,242, Aug. 16.
- Grid controlled electron tube. P. W. Charton. 2,460,062, Jan. 25.
- Grid for gas tubes, Control. C. P. Smith. 2,458,213, Jan. 4.
- Grid, Ice tray. C. R. Carney. 2,477,282-6, July 26.
- Grid, Knockdown cooking. R. J. Morgan. 2,469,698, May 10.
- Grid making machine. W. L. Sheffield. 2,480,677, Aug. 30.
- Grid structure. B. C. Gardner. 2,473,793, June 21.
- Grid structure for electric discharge devices. R. P. Watson. 2,461,303, Feb. 8.
- Grid structure for electron discharge devices. S. Weston. 2,459,859, Jan. 25.
- Grid tamper for concrete, Self-cleaning. J. T. Feeley and W. P. Goodenough. 2,474,937, July 5.
- Grignard method, Continuous. A. Hirsch. 2,464,685, Mar. 15.
- Grignard reagent and making the same. F. P. Richter. 2,464,751, Mar. 15.
- Grill. W. Fader. 2,486,708, Nov. 1.
- Grill, Electric. E. A. Farr and J. P. Theisen. 2,478,529, Aug. 9.
- Grill, Folding charcoal cooking. F. L. Carroll. 2,460,125, Jan. 25.
- Grill, Garden. R. H. and R. W. Moon. 2,484,239, Oct. 11.
- Grill, Portable. S. J. Hudson. 2,467,480, Apr. 19.
- Grill, Portable. L. M. Sprinkle and A. R. Jain. 2,477,529, July 26.
- Grill, Sandwich. J. E. Strietelmeier. 2,463,439, Mar. 1.
- Grille assembly. E. L. Hart and C. M. Moore. 2,467,309, Apr. 12.
- Grille assembly for an air-conditioning apparatus. A. H. Eberhart. 2,469,955, May 10.
- Grille, Register. C. T. Piehl. 2,479,773, Aug. 23.
- Grille, Tractor radiator. H. L. Brock and C. F. Kramer. 2,468,809, May 3.
- Grilles for radio sets, Making. C. A. Bauer and W. A. Barnes. 2,470,389, May 17.
- Grinder and polisher, Roll. W. H. Wilkes. 2,461,459, Feb. 8.
- Grinder and grinding raceways, Oscillating raceway. W. D. Anderson. 2,459,406, Jan. 18.
- Grinder, Combined wire and ribbon. L. Illmer. 2,492,221, Dec. 27.
- Grinder, Concentrated sweet cream fat. J. B. Orrell. 2,479,080, Aug. 16.
- Grinder, Crankshaft. W. A. Hoier, E. J. Rivoira, and L. E. Mehlhope. 2,484,887, Oct. 18.
- Grinder, Disk. P. M. Coleman. 2,462,947, Mar. 1.
- Grinder, Drill. E. E. Haynes. 2,474,357, June 28.
- Grinder, Drill. G. Munro. 2,471,443, May 31.
- Grinder, Feed. P. Paetow. 2,462,542, Feb. 22.
- Grinder, Feed. M. D. Pendergast. 2,467,691, Apr. 19.
- Grinder for condiment pellets, Hand. D. D. Bostick. 2,479,151, Aug. 16.
- Grinder for toothed rotary cutters, Radius. H. F. Ryan. 2,475,054, July 5.

- Grinder, Garbage. G. R. Coss. 2,477,686, Aug. 2.
 Grinder, Garbage. R. C. Osborn. 2,484,459, Oct. 11.
 Grinder, Knife and tool. O. B. Miller. 2,477,075, July 26.
 Grinder, Lawn mower. J. T. Russell. 2,472,922, June 14.
 Grinder, Lawn mower. A. C. Thompson. 2,473,313, June 14.
 Grinder machine for reable strand stock, Reversible. L. Illmer and V. R. Pallas. 2,483,283, Sept. 27.
 Grinder, Portable external. A. McDiarmid. 2,465,599, Mar. 29.
 Grinder, Rotary speed. E. E. Hunt. 2,477,484, July 26.
 Grinder, Saw. J. R. Chryst. 2,470,290, May 17.
 Grinder, Terrazzo. H. J. Pond and D. A. Arones. 2,484,906, Oct. 18.
 Grinder, Tool. E. C. Krueger. 2,467,674, Apr. 19.
 Grinding and lapping machine, Gear. W. F. Ross. 2,482,800, Sept. 27.
 Grinding and polishing machine. J. M. Adams. 2,477,358, July 26.
 Grinding and polishing machine. P. d'V. d'Avancourt. 2,470,021, May 10.
 Grinding and polishing machine of the rotary-tool type. A. E. Hamilton. 2,481,588, Sept. 13.
 Grinding and the like machine. V. H. C. Sandoz. 2,489,437, Nov. 29.
 Grinding apparatus. G. M. Curtin. 2,463,750, Mar. 8.
 Grinding apparatus. A. E. Hamilton. 2,483,279, Sept. 27.
 Grinding apparatus. A. B. Knight. 2,475,100, July 5.
 Grinding apparatus, Crankpin. A. G. Belden and C. G. Flygare. 2,460,731, Feb. 1.
 Grinding apparatus, Die edge. J. W. Hewitt, Jr. 2,482,001, Sept. 13.
 Grinding apparatus, Internal. J. M. Lesueur. 2,475,791, July 12.
 Grinding apparatus of the abrasive belt type. J. A. Elmes. 2,479,536, Aug. 16.
 Grinding attachment for grinding machines, Form tool. W. J. Christiansen. 2,458,347, Jan. 4.
 Grinding device. F. G. L. Boyer. 2,479,095, Aug. 16.
 Grinding fixture, Ring. R. Stenwall. 2,481,173, Sept. 6.
 Grinding fixture, Tap. W. J. Lusk. 2,486,044, Oct. 25.
 Grinding fixture, Twist drill. N. C. Smith and W. E. Johnson. 2,486,335, Oct. 25.
 Grinding machine. G. W. Binns and F. S. Haas. 2,478,562, Aug. 9.
 Grinding machine. G. Brinkmann. 2,471,406, May 31.
 Grinding machine. P. Catucci. 2,460,570, Feb. 1.
 Grinding machine. E. N. Eklund. 2,458,840, Jan. 11.
 Grinding machine. E. Fouquet. 2,489,453, Nov. 29.
 Grinding machine. J. I. Garside. 2,477,733, Aug. 2.
 Grinding machine. K. W. J. Hjelmlad. 2,469,770, May 10.
 Grinding machine. P. H. Hutchinson. 2,482,485, Sept. 20.
 Grinding machine. T. A. Jagen. 2,486,950, Nov. 1.
 Grinding machine. H. L. Landis. 2,476,741, July 19.
 Grinding machine. G. C. and R. T. Leach. 2,479,579, Aug. 23.
 Grinding machine. J. Martin. 2,462,522, Feb. 22.
 Grinding machine. M. I. Mathewson. 2,472,222, June 7.
 Grinding machine. J. A. Riley. 2,466,478, Apr. 5.
 Grinding machine. F. J. Theler and L. E. Mehlhope. 2,478,607, Aug. 9.
 Grinding machine. B. Tocci-Guilbert. 2,486,078, Oct. 25.
 Grinding machine. W. Umbdenstock. 2,479,281, Aug. 16.
 Grinding machine. J. C. Wilson. 2,473,670, June 21.
 Grinding machine, Camshaft. C. J. Green. 2,460,744, Feb. 1.
 Grinding machine, Crankpin. A. V. Sponberg and H. G. Pasholan. 2,471,706, May 31.
 Grinding machine, Crystal. J. W. Moore. 2,476,754, July 19.
 Grinding machine for bar stock. K. E. Lind. 2,463,783, Mar. 8.
 Grinding machine for mower sickles, Automatic. P. Rainbolt and C. E. Barber. 2,482,934, Sept. 27.
 Grinding machine, Gear. M. R. Anderson. 2,469,807, May 10.
 Grinding machine, Gear. W. Graf. 2,486,020, Oct. 25.
 Grinding machine or device, Valve. S. J. Petersen. 2,480,259, Aug. 30.
 Grinding machine, Pin. B. H. Hackman. 2,475,091, July 5.
 Grinding machine, Planetary. W. J. Bryant and T. H. Ljunggren. 2,458,765, Jan. 11.
 Grinding machine, Thread. E. A. Overstedt. 2,489,666, Nov. 29.
 Grinding machine, Tool. S. S. Mader. 2,475,796, July 12.
 Grinding machine with automatic feed crush dressing roll. L. F. Polk. 2,469,988, May 10.
 Grinding machine with crush-dressing attachment. L. F. Polk. 2,477,418, July 26.
 Grinding machine with optical system. H. E. Reams. 2,465,038, Mar. 22.
 Grinding mechanism for car wheel boring mills, Jaw. H. Irwin. 2,458,472, Jan. 4.
 Grinding members, Making abrasive. F. H. Apel. 2,488,891, Nov. 22.
 Grinding of lenses or of dies therefor. J. H. Jeffree. 2,458,384, Jan. 4.
 Grinding or polishing machine. E. C. Krueger. 2,463,287, Mar. 1.
 Grinding rod and wire, Method and apparatus for. D. Lewis. 2,459,707, Jan. 18.
 Grinding roll. A. E. Hamilton. 2,483,278, Sept. 27.
 Grinding unit, Lens. A. F. Williams. 2,490,495, Dec. 6.
 Grinding wheel. J. R. Erickson. 2,488,276, Nov. 15.
 Grinding wheel dressing device. E. J. Daily. 2,458,768, Jan. 11.
 Grinding wheel mounting. H. E. Balsiger. 2,476,234, July 12.
 Grinding wheel truing device for grinding machines, more especially for thread grinding machines. F. Turrettini. 2,475,210, July 5.
 Grip and control mechanism for bowling. A. A. Zander. 2,482,395, Sept. 20.
 Grip, Bowling. L. Campi. 2,475,876, July 12.
 Grip filling machine, Positive. M. Goldberg. 2,476,723, July 19.
 Grip finder, Golf club. F. Strazza. 2,484,762, Oct. 11.
 Grip for golf clubs and the like. J. A. Karns. 2,468,202, Apr. 26.
 Grip for hoists or elevators, Safety. C. E. Thomas. 2,481,796, Sept. 13.
 Grip for vehicle tires, Detachable road. J. A. Boje. 2,467,654, Apr. 19.
 Grip on golf clubs. F. Mishkinis. 2,482,120, Sept. 20.
 Grip, Picture. K. S. Barnes. 2,492,411, Dec. 27.
 Grip plate, Traction. H. C. Becker. 2,486,911, Nov. 1.
 Grip, Skeleton cord. S. J. Jankura. 2,463,542, Mar. 8.
 Grip to attach a side chute. D. Jones. 2,467,136, Apr. 12.
 Grip, Traction. M. J. Devine. 2,463,605, Mar. 8.
 Gripper gauge. R. G. Lynn. 2,461,691, Feb. 15.
 Gripper head, Universal. E. D. Greer, Jr. 2,460,254, Jan. 25.
 Gripper mechanism. G. A. Anderson. 2,480,350, Aug. 30.
 Gripper mechanism. J. Fossa. 2,472,816, June 14.
 Gripper mechanism, Sheet transfer. A. G. Jacobson. 2,474,150, June 21.
 Gripper, Scouring pad. F. H. Ellinger. 2,484,986, Oct. 18.
 Gripper, Ski towrope. E. E. Lagergren. 2,458,786, Jan. 11.
 Gripperstructure, Segmental. S. E. Rike. 2,486,324, Oct. 25.
 Gripping device, Cable. L. P. Frieder and W. S. Finken. 2,489,632, Nov. 29.
 Gripping device, Cable. H. L. Goranson. 2,492,857, Dec. 27.
 Gripping device for the bar in turret lathes. A. Bechler. 2,462,936, Mar. 1.
 Gripping means for landing fish. H. G. Comstock. 2,482,576, Sept. 20.
 Gripping means for microscope mechanical stages. C. P. Riley. 2,474,163, June 21.
 Grit blasting of rotor housings. R. P. McCulloch. 2,491,677, Dec. 20.
 Grommet extending tool. B. Jakubowski. 2,466,952, Apr. 12.
 Grommet, Pressure-tight. J. de Swart. 2,457,983, Jan. 4.
 Groove-forming cutter. R. G. Windham. 2,489,511, Nov. 29.
 Grooving apparatus, Roll. H. E. Muller, Jr. 2,476,211, July 12.
 Ground clamp holding tool. C. W. Hoffman. 2,476,980, July 26.
 Grubber. J. E. Price and T. W. Peacock. 2,491,208, Dec. 13.
 Ground-fault neutralizer by-pass switch reopening equipment. N. E. Dillow. 2,485,367, Oct. 18.
 Ground relay, Single-element distance. S. L. Goldsborough. 2,479,345, Aug. 16.
 Ground trainer for training aircraft crew members. C. D. Koechling. 2,491,668, Dec. 20.
 Ground speed and drift indicator. R. W. Philabaum. 2,482,795, Sept. 27.
 Group VIII metal-on-aluminum catalyst, Preparing a. J. A. Pierce and R. W. Richardson. 2,481,238, Sept. 6.
 Grouting drilled-in caissons. J. H. Thornley. 2,488,074, Nov. 15.
 Growing a Rochelle salt crystal. B. R. F. Kjellgren. 2,483,647, Oct. 4.
 Growth promoting substances, Preparation of. R. J. Williams. 2,462,449, Feb. 22.
 Guanamines. W. F. Gresham. 2,491,658, Dec. 20.
 Guanamines, Preparing. J. S. Mackay and J. H. Paden. 2,459,710, Jan. 18.
 Guanidine nitrate, Preparation of. W. H. Hill. 2,468,067, Apr. 26.
 Guanidine phosphates, Preparation of. J. S. Mackay. 2,469,338, May 3.
 Guanidine sulfates, Preparation of. J. S. Mackay. 2,464,247, Mar. 15.
 Guard, Abrasive wheel. L. J. H. Ballinger. 2,462,710, Feb. 22.
 Guard and clutch control, Fluid operated. A. A. Williams. 2,483,955, Oct. 4.
 Guard and deflector for outboard motors, Propeller. R. W. Moore. 2,468,890, May 3.
 Guard and mounting, Sickle. O. R. Schoenrock. 2,484,653, Oct. 11.
 Guard arrangement for power presses. C. J. Rhodes. 2,473,219, June 14.
 Guard assembly for motorized bicycles and the like, Drive and belt. T. A. Woolsey. 2,490,245, Dec. 6.
 Guard attachment for dental tools. E. L. McKeen. 2,485,900, Oct. 25.

- Guard, Baby buggy. E. C. Wohland. 2,480,534, Aug. 30.
 Guard, Ball bolt. E. L. Walkowiak. 2,464,423, Mar. 15.
 Guard, Boxcar. M. Dyke. 2,462,309, Feb. 22.
 Guard, Bumper. E. D. Dall. 2,469,816, May 10.
 Guard, Chain. H. L. Mueller. 2,492,879, Dec. 27.
 Guard, Chick fountain. J. R. Morton. 2,471,765, May 31.
 Guard, Finger. J. Talarico. 2,460,155, Jan. 25.
 Guard, Fingernail. J. H. Kayer. 2,458,709, Jan. 11.
 Guard for adjustable-saw tables, Saw. W. F. Ocenasek. 2,466,325, Apr. 5.
 Guard for anticfriction bearings, Grease. T. L. Fawick. 2,486,270, Oct. 25.
 Guard for attachment to wall receptacles, Protecting. J. U. Sopher. 2,487,900, Nov. 15.
 Guard for boilers and furnaces, Coke tree preventing. S. Imbresci. 2,482,417, Sept. 20.
 Guard for buffing machines, Safety. J. M. Kelly. 2,491,269, Dec. 13.
 Guard for cutouts, Fuse. D. C. Hubbard. 2,461,898, Feb. 15.
 Guard for fishing hooks. E. W. Sonner, Jr. 2,482,881, Sept. 27.
 Guard for grinding machines and the like. E. C. Fielding. 2,471,561, May 31.
 Guard for heaters, Safety. A. J. Huck. 2,467,479, Apr. 19.
 Guard for insertable vibratory tools, Renewable. A. J. Kroeckel. 2,492,431, Dec. 27.
 Guard for looms, Shuttle. M. D. Gourlay. 2,480,645, Aug. 30.
 Guard for outboard motors, Propeller. H. A. Sidney. 2,470,874, May 24.
 Guard for painters' use. G. A. Cherem. 2,484,607, Oct. 11.
 Guard for pneumatic thread removers, Thread. J. J. Hemmingsway. 2,490,436, Dec. 6.
 Guard for radiators, Air valve. I. Barnwell. 2,476,578, July 19.
 Guard for rolls. E. F. Goerg. 2,491,655, Dec. 20.
 Guard for rotary machine tools, Protective. H. A. Arnhart. 2,469,624, May 10.
 Guard for saws, Warning. T. Summers. 2,487,396, Nov. 8.
 Guard, Gas stove valve operator. C. Conterno. 2,472,793, June 14.
 Guard, Hand. E. M. Harvey. 2,480,135, Aug. 30.
 Guard, Hospital bed side. D. C. Travis. 2,478,028, Aug. 2.
 Guard, Latch bolt. W. L. Garberding. 2,484,024, Oct. 11.
 Guard, Machine tool. H. G. Deacon. 2,491,035, Dec. 13.
 Guard, Manger. J. B. Olson. 2,468,571, Apr. 26.
 Guard, Mixing bowl. L. S. Roesler. 2,460,364, Feb. 1.
 Guard, Mowing machine. M. Boyer. 2,475,349, July 5.
 Guard, Nonrolling lamp. R. Popp and M. C. Carlson. 2,478,010, Aug. 2.
 Guard, Nonmetal nose. A. R. Devoe. 2,471,063, May 24.
 Guard, Rat. T. J. Bernhard. 2,483,874, Oct. 4.
 Guard, Rat. E. L. Bush. 2,459,060, Jan. 11.
 Guard, Refrigerated fan. N. G. and W. J. Keller. 2,474,109, June 21.
 Guard, Safety window. H. Kopf. 2,459,884, Jan. 25.
 Guard, Shock therapy mouth. J. Freedland. 2,459,273, Jan. 18.
 Guard, Sickle. A. G. Gable. 2,490,261, Dec. 6.
 Guard, Sickle. K. L. Magee. 2,484,630, Oct. 11.
 Guard, Sickle. O. R. Schoenrock. 2,484,652, Oct. 11.
 Guard, Stock. J. A. Slaughter. 2,471,551, May 31.
 Guard, Square lamp. A. T. Halbing. 2,460,173, Jan. 25.
 Guard, Waste. W. E. Myers. 2,476,618, July 19.
 Guard, Window. O. Vogel. 2,464,623, Mar. 15.
 Guard, Window latch. N. O. Holmsten. 2,482,340, Sept. 20.
 Guardgate for stock, Electric. J. H. Wood. 2,476,233, July 12.
 Guide, Adjustable fingernail polish. G. Klein. 2,485,384, Oct. 18.
 Guide and holder, Door. R. L. Locke. 2,485,393, Oct. 18.
 Guide and pilot, Adjustable drill. L. F. Blatt. 2,461,716, Feb. 15.
 Guide and power control for electric furnaces, Stock. H. A. Strickland, Jr. 2,468,789, May 3.
 Guide, Automobile curb. V. Mastromarino. 2,482,630, Sept. 20.
 Guide bar motion for warp knitting machines. J. R. McLaughlin. 2,466,036, Apr. 5.
 Guide, Bending machine abutment. H. M. Shuff. 2,460,951, Feb. 8.
 Guide, Cartridge-positioning. P. Katz. 2,476,552, July 19.
 Guide, Check tearing. L. R. Schuessler. 2,485,415, Oct. 18.
 Guide, Curtain rod. W. A. Murray and G. T. Alley. 2,459,001, Jan. 11.
 Guide, Dental shade. H. J. Russell. 2,479,543, Aug. 16.
 Guide device, Elevator. L. F. Joseph. 2,489,140, Nov. 22.
 Guide, Drawer. R. H. McMurtrie. 2,460,521, Feb. 1.
 Guide, Electric ironing cord. G. A. Corbliss. 2,471,312, May 24.
 Guide, Filament. M. H. Barnes and E. L. McCandless. 2,485,553, Oct. 25.
 Guide, Flexible electromagnetic wave. W. D. Allen. 2,479,288, Aug. 16.
 Guide for bowed-string-instruments, Hand position. C. F. Dissinger. 2,477,365, July 26.
 Guide for cream separator shafts, Elastic. E. L. J. Jadoul. 2,488,295, Nov. 15.
 Guide for cutting torches. E. E. Harris. 2,475,891, July 12.
 Guide for differential cylinder-piston assemblies. R. S. Hoar, G. W. Mork, and J. A. Thierry. 2,463,537, Mar. 8.
 Guide for elevators. E. A. Sahlin. 2,490,652, Dec. 6.
 Guide for lifter roof tanks. D. E. Larson. 2,485,613, Oct. 25.
 Guide for looms, Picker stick. C. D. Brown. 2,459,411, Jan. 18.
 Guide for necktie linings, Centering. M. S. Malek. 2,482,857, Sept. 27.
 Guide for paper rolling machines. L. Roy. 2,492,713, Dec. 27.
 Guide for pile cutting machines, Pile and knife. J. A. Firsching. 2,482,407, Sept. 20.
 Guide for saw tables, Adjustable work. R. H. Gilmore. 2,458,846, Jan. 11.
 Guide for sewing leather goods, Work. F. S. Banovic. 2,486,910, Nov. 1.
 Guide for sewing machines, Work. J. P. McHugh. 2,467,680, Apr. 19.
 Guide for toasters, Adjustable slice. J. H. Palmer and C. S. Dayton. 2,491,829, Dec. 20.
 Guide for typewriting machines, Bottom margin. H. Krogseng. 2,459,885, Jan. 25.
 Guide for use in cutting pies or cakes into slices, Knife. T. D. Di Addario. 2,478,572, Aug. 9.
 Guide, Insulated cable and rope spooling. H. Donahue. 2,458,573, Jan. 11.
 Guide, Line spacing. C. F. Merriman. 2,468,682, Apr. 26.
 Guide means for flexible ammunition belts. W. L. MacKenzie. 2,479,633, Aug. 23.
 Guide means for rotary oscillating pistons of expansible chamber meters. C. P. Bergman. 2,462,063, Feb. 22.
 Guide means for typewriter ribbons. C. W. Brumhill. 2,467,880, Apr. 19.
 Guide mechanism for automatic guns, Ammunition belt link. E. C. Holton. 2,466,893, Apr. 12.
 Guide mechanism for vehicle bodies, Window. J. H. Roethel. 2,481,535, Sept. 13.
 Guide member for glass block construction, Bearing and spacing. J. E. Peterson. 2,483,560, Oct. 4.
 Guide on heel scouring machine, Adjustable. W. R. Goodwin. 2,465,528, Mar. 29.
 Guide, Planograph tracer. G. Andersen. 2,491,469, Dec. 20.
 Guide, Radio wave. W. E. Bradley. 2,471,021, May 24.
 Guide, Railway truck bolster column. H. H. Shaffer. 2,482,219, Sept. 20.
 Guide, Rolling mill. D. McLeod and D. O. Norris. 2,486,310, Oct. 25.
 Guide, Rotary. L. E. Simmons. 2,477,097, July 26.
 Guide, Saw fling. R. A. Mease. 2,484,417, Oct. 11.
 Guide, Scraper. G. R. Howe. 2,472,076, June 7.
 Guide, Shock-resistant filament. A. K. Seemann. 2,460,366, Feb. 1.
 Guide, Strip. G. R. Markle. 2,469,169, May 3.
 Guide, Thread. J. Amon. 2,464,664, Mar. 15.
 Guide, Thread. R. E. Shipman. 2,475,725, July 12.
 Guide, Typewriting. R. R. Potter. 2,491,332, Dec. 13.
 Guide, Warp. T. E. Watson. 2,462,581, Feb. 22.
 Guide, Welding. B. W. Wright. 2,460,914, Feb. 8.
 Guide, Welding. B. W. Wright. 2,483,957, Oct. 4.
 Guide, Window shade. E. A. Schmaus. 2,473,305, June 14.
 Guide, Wire. L. Hornbostel. 2,488,294, Nov. 15.
 Guide, Wire line. W. K. Holleron and W. L. Buckley. 2,478,486, Aug. 9.
 Guide, Wire line. J. W. MacClatchie. 2,480,488, Aug. 30.
 Guiding attachment, Adjustable fabric. G. Kahn and L. Schwartz. 2,460,583, Feb. 1.
 Guiding device and method, Fabric. G. Kahn and L. Schwartz. 2,460,584, Feb. 1.
 Guiding device, Fabric. E. St. Pierre. 2,483,355, Sept. 27.
 Guiding means for typewriters, Ribbon. C. W. Brumhill. 2,467,881, Apr. 19.
 Guiding system, Radio. A. N. Goldsmith. 2,481,410, Sept. 6.
 Guillotine cutter. V. W. Garwood. 2,477,295, July 26.
 Guitar. J. D. Suite. 2,488,646, Nov. 22.
 Guitar. H. Willner. 2,473,980, June 21.
 Guitar steel. F. W. Wright. 2,466,344, Apr. 5.
 Gum, Candy chewing. E. G. Lindhe. 2,460,698, Feb. 1.
 Gum, Chewing. W. O. Snelling. 2,484,859-60, Oct. 18.
 Gummer and sharpener, Circular and crosscut saw. W. H. Smith. 2,479,978, Aug. 23.
 Gun action. R. E. Baker. 2,466,196, Apr. 5.
 Gun, Air. W. A. Tratsch. 2,466,513, Apr. 5.
 Gun, Airline inflating. J. H. Marcum. 2,482,922, Sept. 27.
 Gun and gun carriage. C. D. Burney. 2,489,749, Nov. 29.
 Gun and mount therefor. A. T. Manes. 2,487,062, Nov. 8.
 Gun and periscope mounting therefor, Vehicle mounted. M. J. Minter. 2,466,725, Apr. 12.
 Gun and projectile therefor. S. A. Temple. 2,470,117, May 17.
 Gun carriage. C. K. Woodman. 2,478,995, Aug. 16.
 Gun-charging mechanism. C. D. Knowlton. 2,488,630, Nov. 22.
 Gun choke device. R. J. Ferhat. 2,489,568, Nov. 29.
 Gun choke, Variable. J. C. Hilburn. 2,466,104, Apr. 5.

- Gun cooling system. N. E. Spurling. 2,478,950, Aug. 16.
 Gun, Controlled pressure. C. D. Burney. 2,489,748, Nov. 29.
 Gun, Drill. W. M. Cutler. 2,486,008, Oct. 25.
 Gun, Dual spray. E. Gustafsson and H. L. Striegel. 2,462,262, Feb. 22.
 Gun, Electron. P. A. Snell. 2,467,506, Apr. 19.
 Gun, Filler. W. E. Smith. 2,459,296, Jan. 18.
 Gun for spraying powder. D. L. Lott. 2,461,611, Feb. 15.
 Gun-loading mechanism. W. V. Goodhue. 2,474,975, July 5.
 Gun-loading mechanisms. O. R. Haas. 2,460,384, Feb. 1.
 Gun lock. D. J. Garretson. 2,479,107, Aug. 16.
 Gun mount. D. Edgar. 2,460,380, Feb. 1.
 Gun mount, Aircraft. N. Alberti and G. A. Bronson. 2,475,935, July 12.
 Gun mount assembly. J. Sheloski. 2,465,937, Mar. 29.
 Gun mount for aircraft, Flexible. M. Watter. 2,474,560, June 28.
 Gun mount for aircraft, Flexible. M. Watter and H. W. Doherty. 2,474,561, June 28.
 Gun mount having multiposition control means. S. G. Green, W. H. D'Ardenne, W. J. Meinel, and W. Devore. 2,475,089, July 5.
 Gun mounting. L. Motley. 2,458,956, Jan. 11.
 Gun, Multiple spray. H. L. Striegel, E. Gustafsson and J. W. Baur. 2,453,220, Jan. 4.
 Gun positioning system having a recoil operated protective device. P. H. Girouard. 2,463,531, Mar. 8.
 Gun primer mechanism. C. D. Knowlton. 2,466,174, Apr. 5.
 Gun, Probe pressure. E. G. Chilton. 2,470,338, May 17.
 Gun recoil pad. J. A. Stewart. 2,468,349, Apr. 26.
 Gun, Reduced recoil type. C. D. Burney. 2,489,747, Nov. 29.
 Gun, Sand blast. G. J. Penno. 2,487,366, Nov. 8.
 Gun sight. W. F. Bernart, Jr., F. J. Rouan, F. L. Ford, and L. A. Thatcher. 2,479,717, Aug. 23.
 Gun sight. F. A. Daniels. 2,462,307, Feb. 22.
 Gun sight. A. H. Evans. 2,471,027, May 24.
 Gun sight. D. L. Garber and E. Knobloch. 2,486,940, Nov. 1.
 Gun sight. D. S. McMillan. 2,471,761, May 31.
 Gun sight. G. W. Playdon. 2,487,828, Nov. 15.
 Gun sight. A. L. Terhaar. 2,479,277, Aug. 16.
 Gun sight. H. K. Weiss. 2,476,342, July 19.
 Gun sight attachment, Removable. G. A. Sweetman. 2,488,836, Nov. 22.
 Gunlight, Cathode-ray tube. P. R. Wheeler. 2,459,206, Jan. 18.
 Gun sight control. L. A. Meacham. 2,471,278, May 24.
 Gun sight, Lead estimation training reflex. D. L. Hibbard and J. N. M. Howells. 2,473,524, June 21.
 Gun sight, Quick-change. W. E. Olson. 2,473,966, June 21.
 Gun sight with horizontal and vertical deflection adjustments, Optical. W. M. Cady. 2,458,831, Jan. 11.
 Gun sighting device and reflecting means therefor. R. M. Burley and C. H. Havill. 2,464,195, Mar. 8.
 Gun sling swivel, Detachable. F. V. McKinzie. 2,480,662, Aug. 30.
 Gun, Spear. M. J. Zbar. 2,462,248, Feb. 22.
 Gun, Spot welding. L. R. O'Neill. 2,467,629, Apr. 19.
 Gun, Spray. D. J. Peeps. 2,462,419, Feb. 22.
 Gun, Spray. D. J. Peeps. 2,470,718, May 17.
 Gun, Spray. W. M. Spreng. 2,460,545, Feb. 1.
 Gun, Spray. M. M. Warner. 2,473,667, June 21.
 Gun stock. T. Jachmiec. 2,484,168, Oct. 11.
 Gunstock cartridge holder. J. L. Brown. 2,476,355, July 19.
 Gun structure, Electron. H. Moss. 2,476,060, July 12.
 Gun such as is used in cathode-ray tubes, Electrode. H. Moss. 2,484,721, Oct. 11.
 Gun synchronization. V. F. Zahodiakin. 2,477,919, Aug. 2.
 Gun training by tracer fire spotting. F. Tuttle. 2,458,448, Jan. 4.
 Gun turret and shield therefor. E. W. Stacey. 2,490,928, Dec. 13.
 Gun type burner. J. T. Stone. 2,469,136, May 3.
 Gun, Well perforating. A. L. Smith. 2,462,784, Feb. 22.
 Gun with breech closing mechanism, Recoilless. C. D. Burney. 2,489,954, Nov. 29.
 Gun with integral breech bolt and hand grip, Magazine. C. J. Manville. 2,471,276, May 24.
 Gun with reciprocable breech block and rotary feeder. I. Nettles. 2,483,837, Oct. 4.
 Gutter leader unit. J. W. Swenson. 2,457,940, Jan. 4.
 Gyro-control mechanism. W. H. Newell, J. D. Tear, and L. S. Brown. 2,483,980, Oct. 4.
 Gyro erecting means. A. Russ. 2,468,113, Apr. 26.
 Gyro-stabilizer apparatus. J. D. Tear. 2,468,137, Apr. 26.
 Gyro vertical. F. D. Braddon. 2,477,574, Aug. 2.
 Gyro vertical. T. O. Summers, Jr. 2,486,578, Nov. 1.
 Gyroscope. H. J. J. Braddick and J. S. L. Philpot. 2,479,304, Aug. 16.
 Gyroscope. F. E. Gray. 2,483,826, Oct. 4.
 Gyroscope. M. A. Jordan. 2,491,813, Dec. 20.
 Gyroscope. J. F. Schoepel. 2,474,549, June 28.
 Gyroscope, Air bearing. G. H. Stoner. 2,474,072, June 21.
 Gyroscope, Directional. W. W. Perkins and A. W. Fischer. 2,491,204, Dec. 13.
 Gyroscope, Rate. H. Konet. 2,479,122, Aug. 16.
 Gyroscope-suspension system, Universal. H. W. Phair. 2,469,782, May 10.
 HF—BF₃—H₂O isomerization catalyst. F. E. Frey. 2,486,368, Oct. 25.
 Hackamore. H. O. Jones. 2,463,279, Mar. 1.
 Hacksaw, Power-driven hand. C. D. Miller. 2,457,829, Jan. 4.
 Hair braid fastener. M. Winters. 2,488,954, Nov. 22.
 Hairbrush, Convertible. H. Jacobowitz and L. Bank. 2,463,390, Mar. 1.
 Hairbrush, Gyrating. H. W. McCready. 2,489,582, Nov. 29.
 Hairbrush, Needle. A. and G. W. Neff. 2,482,928, Sept. 27.
 Hair clip. B. D'Alberto. 2,459,926, Jan. 25.
 Hair clip. E. Oswald. 2,473,725, June 21.
 Hair clipper, Automatically adjustable. J. Gullong. 2,480,920, Sept. 6.
 Hair clipper, Double cutter. J. Cromonic. 2,484,610, Oct. 11.
 Hair curl holder pin. A. Wittman. 2,473,186, June 14.
 Hair curl pin. A. A. Tardiff. 2,466,621, Apr. 15.
 Hair curler. R. Bacon. 2,485,686, Oct. 25.
 Hair curler. A. S. Carlin. 2,489,120, Nov. 22.
 Hair curler. B. B. Gilleland. 2,487,125, Nov. 8.
 Hair curler. S. M. Ritter. 2,469,576, May 10.
 Hair curler. H. B. and L. E. A. Walton. 2,466,976, Apr. 12.
 Hair curler, Page-boy. H. T. Orr and W. A. Bates. 2,465,745, Mar. 29.
 Hair drier. R. K. Boyer. 2,471,405, May 31.
 Hair drier. E. K. Kending. 2,474,427, June 28.
 Hair drier. A. Květoň. 2,461,689, Feb. 15.
 Hair drier. S. O. Moore. 2,470,833, May 24.
 Hair drier. C. E. Nelson. 2,488,227, May 15.
 Hair drier. J. F. Saye. 2,471,657, May 31.
 Hair drier. S. R. Shields. 2,466,915, Apr. 12.
 Hair drier. M. A. Woodrum. 2,472,873, June 14.
 Hairdressing device. N. L. Solomon. 2,473,227, June 14.
 Hair drying apparatus. J. J. Murphy. 2,464,776, Mar. 15.
 Hair fastener. L. Pereny. 2,465,746, Mar. 29.
 Hair fastening pin. H. S. Youngs. 2,466,529, Apr. 5.
 Hair guiding attachment for hair clippers. F. Fawins. 2,481,097, Sept. 6.
 Hair net. A. M. Herschensohn. 2,475,320, July 5.
 Hair net. L. J. F. Morins. 2,487,358, Nov. 8.
 Hair net. S. Oliner. 2,483,927, Oct. 4.
 Hair pad, hairband, or like article. R. J. Horton. 2,474,148, June 21.
 Hair ringlet holder. B. Corubia. 2,486,122, Oct. 25.
 Hair removing device. L. L. Magnus. 2,480,252, Aug. 30.
 Hair retainer. R. A. Smith. 2,490,285, Dec. 6.
 Hair treating preparations, Cream. D. H. Peterson. 2,464,281, Mar. 15.
 Hair waver. L. I. Fink. 2,473,198, June 14.
 Hair-waving apparatus. R. B. Gregory. 2,490,124, Dec. 6.
 Hair waving device. S. Wirsing. 2,478,349, Aug. 9.
 Hair-waving unit. F. M. Winkel. 2,461,101, Feb. 8.
 Hairpin. E. Bergen. 2,476,350, July 19.
 Hairpin. R. N. Gernheuser. 2,482,259, Sept. 20.
 Hairpin dispenser. C. J. Benner. 2,465,509, Mar. 29.
 Hairpin holder. M. Farnsworth. 2,481,209, Sept. 6.
 Half-tone screen holder. H. Gelb. 2,473,023, June 14.
 Haloacrylic acid esters, Preparation of. C. E. Barnes. 2,476,528, July 19.
 Haloalkylation of aromatic hydrocarbons. H. D. Hartough and P. K. Chung. 2,469,334, May 3.
 Halocycloalkanes, Production of. L. Schmerling. 2,481,160, Sept. 6.
 Halogen compounds and their production, Active. W. C. Arsem. 2,472,361, June 7.
 Halogen compounds of 3 amino-benzotriazine 1,2,4 oxide-1. F. J. Wolf and K. Pfister, III. 2,489,352, Nov. 29.
 Halogen containing derivatives of dicarboxylic acids. M. S. Kharasch. 2,464,869, Mar. 22.
 Halogen containing derivatives of dicarboxylic acids. M. S. Kharasch. 2,485,099, Oct. 18.
 Halogenated aromatic compounds, Manufacture of. J. L. Darragh. 2,473,990, June 21.
 Halogenated phenacylpyridines. J. M. Smith, Jr. 2,482,521, Sept. 20.
 Halogenated thiophenes, Metalation of. J. W. Schick. 2,492,661, Dec. 27.
 Halogenated thiophenes, Metalation of. J. W. Schick and H. D. Hartough. 2,492,662, Dec. 27.
 Halogenation of aliphatic conjugated diolefines. P. Mahler. 2,484,042, Oct. 11.
 Halogenation of aromatic hydrocarbons. A. S. Brunjes and M. J. P. Bogart. 2,470,336, May 17.
 Halogenation of polyvinyl alcohol compounds. H. J. Hagemeier, Jr. 2,484,502, Oct. 11.
 Halogenation of unsaturated ethers and products produced thereby. P. H. Williams and T. W. Evans. 2,464,758, Mar. 15.
 Halogenation process. J. C. Hillyer and C. H. Ice. 2,483,049, Sept. 27.
 Halogenation products of aldehydes of mono-heteroatomic five membered rings and making same. E. E. Novotny and G. K. Vogelsang. 2,490,462, Dec. 6.
 Halogen-substituted guanamines. J. T. Thurston. 2,463,471, Mar. 1.

- Halo-hydrocarbons, Treatment of. L. Schmerling. 2,481,157, Sept. 6.
- Halophenyl acetals. A. L. Houk. 2,463,541, Mar. 8.
- Halo-substituted acetals, Preparation of. W. J. Croxall and H. T. Neher. 2,473,014, June 14.
- Halothienylethanolis. J. W. Schick. 2,492,663, Dec. 27.
- Halothiophenes, Continuous process for preparing. H. L. Coonradt. 2,492,622, Dec. 27.
- Halothiophenes, Preparing. H. D. Hartough. 2,492,633, Dec. 27.
- Halothiophenes, Preparing. H. D. Hartough and H. L. Coonradt. 2,492,634, Dec. 27.
- Halter, Adjustable. A. Schacht. 2,484,467, Oct. 11.
- Halter and controller, Bull. H. Masbruch. 2,458,717, Jan. 11.
- Halter, Brassière. S. Elias. 2,458,696, Jan. 11.
- Hammer. K. C. Bugg. 2,492,840, Dec. 27.
- Hammer. P. C. Hardy. 2,462,959, Mar. 1.
- Hammer. K. R. Wyllie. 2,489,841, Nov. 29.
- Hammer, Air tap. E. Daku. 2,483,626, Oct. 4.
- Hammer and rotor structure for disintegrators. C. W. Lanter. 2,477,628, Aug. 2.
- Hammer crusher with adjustable breaker plates, Reversible swing. F. J. Wright. 2,478,733, Aug. 9.
- Hammer drill. C. A. Shinn. 2,484,471, Oct. 11.
- Hammer for impact crushers with detachable and reversible hammer head. L. G. Ehmman. 2,460,279, Feb. 1.
- Hammer for impact pulverizer. F. E. Smith. 2,467,865, Apr. 19.
- Hammer, Grip claw. M. Nieuwsma. 2,491,129, Dec. 13.
- Hammer having removable striking head, Peening. N. Anderson. 2,491,295, Dec. 13.
- Hammer, Magnetic. L. M. Hertz. 2,482,909, Sept. 27.
- Hammer, Mechanical. C. Montoya. 2,475,398, July 5.
- Hammer mill with power-driven impactor surfaces, Reversible. E. H. Keiper. 2,471,068, May 24.
- Hammer, Pecking. R. E. Casazza. 2,490,254, Dec. 6.
- Hammer, Power-driven. G. C. Robinson. 2,461,571, Feb. 15.
- Hammer, Staple. R. E. Barclay. 2,463,507, Mar. 8.
- Hammer, Staple. W. J. Vail. 2,463,579, Mar. 8.
- Hammer wedge. J. L. Jensen. 2,463,973, Mar. 8.
- Hammer with ball-type tool retaining chuck, Air. R. J. Wenger. 2,470,385, May 17.
- Hammering machine for use in the manufacture of shoes, Automatic. J. Zaoral. 2,489,554, Nov. 29.
- Hammock, Baby. G. S. Harvey. 2,467,890, Apr. 19.
- Hammock, Immersion. J. V. Davis. 2,481,400, Sept. 6.
- Hammer support. L. Carl. 2,469,950, May 10.
- Hamper. D. Greene. 2,464,306, Mar. 15.
- Handbag and change purse, Combination. A. A. Bamberger. 2,487,090, Nov. 8.
- Handbag having flexible sidewalls, Cylindrical. I. Rubin. 2,472,859, June 14.
- Handbag having upper and lower compartments and a removable drawer in the lower compartment, Lady's. H. Meyers. 2,463,993, Mar. 8.
- Handbag lining. F. Freiberg. 2,467,662, Apr. 19.
- Handbag sounding device. A. S. Cooper. 2,461,588, Feb. 15.
- Handbag, Utility apron. E. B. and H. Chanslor. 2,466,208, Apr. 6.
- Handbag with inner pivotally aligned purses. B. Roth. 2,490,651, Dec. 6.
- Handbag with removable handles and stiffener, Washable. F. Kuhlman. 2,487,145, Nov. 8.
- Hand brake. S. B. Haseltine. 2,479,043, Aug. 16.
- Hand brake. S. B. Haseltine. 2,481,012, Sept. 6.
- Hand brake. K. Williams. 2,485,425-6, Oct. 18.
- Hand brake. K. Williams. 2,492,080, Dec. 20.
- Hand-carrying of lighting and camera means. A. L. Bensen. 2,479,716, Aug. 23.
- Handcart. O. A. Doerflam. 2,466,160, Apr. 5.
- Handcart. R. J. Exter. 2,463,164, Mar. 1.
- Hand drill. F. B. Lewandowski. 2,479,750, Aug. 23.
- Hand driven device. R. Bujan. 2,458,248, Jan. 4.
- Handgrip control. T. Obszarny and J. J. Rowell. 2,461,997, Feb. 15.
- Handgrip for carriers and cartons. J. D. Cray. 2,475,014, July 5.
- Handhold and card pocket. R. C. Potts. 2,481,871, Sept. 13.
- Hand loom. J. A. Pecott. 2,469,128, May 3.
- Hand loom. K. L. Simons. 2,481,955, Sept. 13.
- Hand-operated cam switch. W. Grossen. 2,465,086, Mar. 22.
- Hand-operated loom. J. W. Jenkins. 2,483,642, Oct. 4.
- Hand saw and measuring tool, Combination. R. B. Warrington. 2,478,347, Aug. 9.
- Hand saw, Rotary power. L. Vavrik. 2,488,947, Nov. 22.
- Handset provided with a sound collecting lid movably mounted before the microphone. H. Y. Kraepelien. 2,490,637, Dec. 6.
- Handset, Telephone. G. Deakin. 2,485,574, Oct. 25.
- Hand tool. S. V. Carlsten. 2,478,894, Aug. 16.
- Hand tool. C. O. Crow. 2,469,865, May 10.
- Hand truck and hose reel, Combined. J. A. Morrone. 2,488,425, Nov. 15.
- Hand truck for handling outboard motors, Boat seat forming. E. J. Houk and L. A. Strottner. 2,484,227, Oct. 11.
- Handwheel. F. C. Fantz. 2,459,271, Jan. 18.
- Handle: See—
- Anticut nonstrip-out handle. 1
- Auxiliary handle. 1
- Blade handle. 1
- Box and package handle. 1
- Collapsible multiple position handle. 1
- Demountable machine handle. 1
- Detachable can handle. 1
- Detachable handle. 1
- Detachable utensil handle. 1
- Door handle. 1
- Emergency handle. 1
- Handle and connection, Detachable. W. Jackson. 2,463,971, Mar. 8.
- Handle and connecting means therefor. Brush. R. S. Elsner and D. Schoenholz. 2,488,056, Nov. 15.
- Handle and operating lever assembly for flushing tanks. F. M. Keller. 2,468,203, Apr. 26.
- Handle and reel lock, Fishing-rod. M. S. Dunkelberger. 2,490,584, Dec. 6.
- Handle and socket structure. P. W. Bader and F. E. Oakhill. 2,473,000, June 14.
- Handle assembly for washing machine drums, etc., Latch. M. M. Piltz. 2,490,707, Dec. 6.
- Handle assembly, Vehicle door. B. S. Floraday. 2,475,951, July 12.
- Handle attaching means. F. J. Kendall. 2,485,833, Oct. 25.
- Handle attachment or the like. L. H. Flora. 2,482,614, Sept. 20.
- Handle bar for motor cycles and the like, Spring. A. Gazda. 2,462,381, Feb. 22.
- Handle bar support. H. J. McCauley, Jr. 2,487,661, Nov. 8.
- Handle brake. R. J. Klein. 2,488,203, Nov. 15.
- Handle connection, Detachable. H. J. Herzog. 2,463,621, Mar. 8.
- Handle construction, Flush. B. Brittain and H. J. G. Squire. 2,486,586, Nov. 1.
- Handle control for suction cleaners. R. C. Osborn. 2,460,236, Jan. 25.
- Handle control for suction cleaners and the like. H. B. White. 2,461,458, Feb. 8.
- Handle control mechanism. G. N. Barrere. 2,472,783, June 14.
- Handle device. F. C. Wallace. 2,458,754, Jan. 11.
- Handle for boxes. W. G. Bullock. 2,482,399, Sept. 20.
- Handle for carpet sweepers and the like. F. W. Pullen. 2,475,402, July 5.
- Handle for containers, Collapsible. J. S. Allen. 2,460,915, Feb. 8.
- Handle for containers, Detachable. J. R. Hildreth. 2,487,240, Nov. 8.
- Handle for cooking utensils. W. B. Moore. 2,473,964, June 21.
- Handle for hammers. D. F. Williams. 2,467,284, Apr. 12.
- Handle for paint brushes and the like, Articulate. N. Mygas. 2,469,050, May 3.
- Handle for pedal control, Operating. H. L. Zivri. 2,481,966, Sept. 13.
- Handle for perambulators, Collapsible. L. Gottfried. 2,464,226, Mar. 15.
- Handle for sanding pads, Detachable. S. A. Crosby. 2,490,419, Dec. 6.
- Handle for screw drivers or the like. J. R. Perkins. 2,479,508, Aug. 16.
- Handle for screw drivers or the like, Folding. H. R. Land. 2,482,348, Sept. 20.
- Handle for tools, Crank. W. H. Gaines. 2,476,364, July 19.
- Handle for toy airplanes, Control. H. L. Meister. 2,491,825, Dec. 20.
- Handle for utensils and mounting therefor. C. C. Spreen. 2,482,697, Sept. 20.
- Handle for vessels, Attachable. M. Simmons. 2,484,531, Oct. 11.
- Handle for wrenches, Extension. C. H. Nesbitt. 2,490,739, Dec. 6.
- Handle having transparent plastic grip and U-shaped metal core, Suitcase. G. H. Wheary, Jr. 2,483,307, Sept. 27.
- Handle holder. E. W. and D. F. Christy. 2,466,379, Apr. 6.
- Handle lock. O. W. Knight. 2,464,587, Mar. 15.
- Handles, Making knife. M. A. Miranda. 2,476,995, July 26.
- Handle mounting. J. G. Hoff. 2,472,479, June 7.
- Handle pad. J. C. MacKearnin. 2,466,719, Apr. 12.
- Handle reinforcing means for containers. J. C. Morris. 2,464,337, Mar. 15.
- Handle structure for portable tools. G. E. Smith. 2,468,469, Apr. 26.
- Handles, Making machine. E. S. George. 2,458,989, Jan. 11.
- Handles, Making tool. C. J. Coberly, Jr. 2,460,874, Feb. 8.
- Handling and tempering glassware, Method of and apparatus for. T. D. Green. 2,492,216, Dec. 27.
- Handling and treating tubular fabric bodies. M. E. Bachleda. 2,474,967, July 5.
- Handling apparatus. K. P. Billner. 2,475,073, July 5.

- Handling apparatus, Receptacle. I. H. Kendall. 2,473,955, June 21.
- Handling crosssties. A. M. Deiters. 2,467,113, Apr. 12.
- Handling device, Crutridge. J. J. Bilodeau. 2,487,040, Nov. 8.
- Handling device, Crucible. F. D. Bromley. 2,458,141, Jan. 4.
- Handling device, Strip. G. Haumann. 2,476,371, July 19.
- Handling equipment, Load. W. M. Huston. 2,479,838, Aug. 23.
- Handling finely divided materials. J. C. Munday. 2,467,149, Apr. 12.
- Handling line mechanism. L. G. Raiche. 2,478,708, Aug. 9.
- Handling means for cigarette tobacco feeds, Shorts. C. Arelt. 2,467,248, Apr. 12.
- Handling retaining rings. J. Brell. 2,483,379, Sept. 27.
- Handling system, Ash. E. C. Webb. 2,481,375, Sept. 6.
- Handling tubular knitted fabric, Method of and apparatus for. J. G. Walter and S. Cohn. 2,467,281, Apr. 12.
- Hanger: See—
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| Adjustable clothes hanger. | Multiple hanger. |
| Adjustable coat hanger. | Picture hanger. |
| Clothes hanger. | Pipe hanger. |
| Coat hanger. | Plate hanger. |
| Collapsible clothes hanger. | Retractable clothes line hanger. |
| Collapsible garment hanger. | Saddle stirrup hanger. |
| Collapsible hanger. | Safety hanger. |
| Combination coat and trouser hanger. | Screen and storm sash hanger. |
| Conductor hanger. | Self-locking garment hanger. |
| Curtain and shade hanger. | Shelf hanger. |
| Curtain hanger. | Skirt hanger. |
| Door hanger. | Stocking hanger. |
| Folding coat hanger. | Suspension hanger. |
| Garment hanger. | Trolley wire hanger. |
| Industrial fluorescent lamp fixture hanger. | Trouser hanger. |
| Lug strap hanger. | Utility garment hanger. |
| Mechanically controlled adjustable clothes hanger. | Wall bracket hanger. |
| Meter hanger. | |
- Hanger. J. C. Edgar. 2,464,295, Mar. 15.
- Hanger. B. H. Ives. 2,479,839, Aug. 23.
- Hanger. B. T. Kirk. 2,492,701, Dec. 27.
- Hanger. M. H. Kruger. 2,459,034, Jan. 11.
- Hanger. R. P. Nicol. 2,485,838, Oct. 25.
- Hanger. J. W. Reynolds. 2,460,946, Feb. 8.
- Hanger. A. F. Southwick. 2,476,635, July 19.
- Hanger and chest of drawers, Combination clothes. F. Pino. 2,480,383, Aug. 30.
- Hanger and creaser, Garment. C. A. Stewart. 2,488,072, Nov. 15.
- Hanger and drying rack. H. L. Edwards. 2,488,903, Nov. 22.
- Hanger assembly, Clothes. D. C. Myers. 2,460,997, Feb. 8.
- Hanger device. E. H. Van Schoor and D. Joost. 2,483,114, Sept. 27.
- Hanger device for automobile windows. C. C. Coons. 2,461,722, Feb. 15.
- Hanger for apparel. L. B. Meyerhoff. 2,467,141, Apr. 12.
- Hanger for automobiles, Garment. L. W. Strasser and L. A. Thielke. 2,478,337, Aug. 9.
- Hanger for chime elements, Adjustable. A. W. Gardes. 2,466,640, Apr. 5.
- Hanger for luggage cases, Garment. L. Kleber. 2,489,492, Nov. 29.
- Hanger for window screens and storm windows. J. H. Schmitt. 2,480,051, Aug. 23.
- Hanger suspension, Truck. W. Van Der Sluys. 2,483,858, Oct. 4.
- Hanger support. W. H. Baselt. 2,460,248, Jan. 25.
- Hanger support. G. H. Condit. 2,491,300, Dec. 13.
- Hanger supporting means, Garment. J. Tusay. 2,468,526, Apr. 26.
- Hangers and suspending awnings on said hangers, Awning. R. D. Thomson. 2,469,020, May 3.
- Hard compositions for use in tools and making. B. Westmoreland-White. 2,471,016, May 24.
- Hardenable iron alloy. W. C. Clarke. 2,482,098, Sept. 20.
- Hardening or annealing metal, Flame. J. J. Crowe. 2,480,287, Aug. 30.
- Hardware, Garage door. W. A. Caldwell. 2,485,860, Oct. 25.
- Hardware, High chair. J. Michal. 2,468,683, Apr. 26.
- Harmonic-frequency generator. R. E. Sturm. 2,484,763, Oct. 11.
- Harmonic generator. N. B. Blake. 2,479,551, Aug. 23.
- Harmonic generator. L. Blok. 2,484,372, Oct. 11.
- Harmonic generator. G. Guanella. 2,492,218, Dec. 27.
- Harmonic generator. V. C. Westcott. 2,485,124, Oct. 18.
- Harmonica. G. Ruffino. 2,459,184, Jan. 18.
- Harmonica and wind cell block therefor. F. H. Magnus. 2,473,210, June 14.
- Harmonica, Plastic chromatic. F. H. Magnus. 2,467,761, Apr. 19.
- Harmonicon, Chromatic. A. Borel. 2,461,806, Feb. 15.
- Harness. E. T. Todd. 2,473,114, June 14.
- Harness and seat assembly, Quick-adjustable. A. T. Stretch, Jr. 2,463,330, Mar. 1.
- Harness, Baby sleeping. B. M. La Mere. 2,480,585, Aug. 30.
- Harness comprising undrawn synthetic fibers or the like, Deceleration. H. R. Bierman. 2,475,588, July 12.
- Harness, Dog. J. A. Ballentine. 2,476,870, July 12.
- Harness, Dog. G. F. Johnson. 2,464,867, Mar. 22.
- Harness for transporting power saws. H. J. Walsh. 2,477,432, July 26.
- Harness, Loom. J. J. Kaufmann. 2,461,496-7, Feb. 8.
- Harness, Loom. J. J. Kaufmann. 2,472,772, June 7.
- Harness, Multiconductor electric. F. E. Knam. 2,460,830, Feb. 8.
- Harness, Pack board. N. D. Ashwood. 2,490,332, Dec. 6.
- Harness, Parachute. J. Miller, B. L. Kauffman, and J. T. Truelsen. 2,475,631, July 12.
- Harrow tooth mounting. F. H. Ziegler. 2,472,242, June 7.
- Harvester. A. E. W. Johnson and C. F. Crumb. 2,488,543, Nov. 22.
- Harvester. A. W. Oehler, N. D. Colvin, and L. A. Paradise. 2,477,389, July 26.
- Harvester. H. C. Sage. 2,472,762, June 7.
- Harvester. A. R. Wurtel. 2,482,530, Sept. 20.
- Harvester, Alfalfa. E. C. Small. 2,463,061, Mar. 1.
- Harvester, Beet. V. F. Bozeman, Sr. C. W. Walz, R. D. Griff, and H. F. Clausen. 2,470,211, May 17.
- Harvester, Beet. F. L. Smith. 2,478,877, Aug. 9.
- Harvester, Beet. C. W. Walz, R. D. Griff, and C. T. Rasmussen. 2,463,447, Mar. 1.
- Harvester, Combine. F. H. Templeton. 2,474,557, June 28.
- Harvester, Corn. J. L. Aasland. 2,480,209, Aug. 30.
- Harvester, Corn. R. P. Messenger and R. D. Acton. 2,491,195, Dec. 13.
- Harvester, Cotton. J. J. Wallace. 2,473,315, June 14.
- Harvester, Ensilage. L. P. Millard. 2,491,196, Dec. 13.
- Harvester for packing lettuce, cabbage, celery and the like. C. E. Houston. 2,473,587, June 21.
- Harvester for sugar cane or the like. P. T. Woodland. 2,481,462, Sept. 6.
- Harvester reel. A. W. Oehler and E. J. Johnson. 2,492,881, Dec. 27.
- Harvester, Russian dandelion seed. R. M. Ramp. 2,460,029, Jan. 25.
- Harvester, Seed. E. M. Dowd. 2,485,713, Oct. 25.
- Harvester, Sugar beet. L. Botimer. 2,486,915, Nov. 1.
- Harvester. Stripper type cotton. W. N. Smith. 2,491,777, Dec. 20.
- Harvester with intermittently driven plant cutter and conveyor. G. La Motte. 2,477,068, July 26.
- Harvesting attachment for tractors, Pea and bean. G. L. Paine and O. S. Harbison. 2,466,555, Apr. 5.
- Harvesting device, Peanut. C. T. Davis. 2,466,084, Apr. 5.
- Harvesting machine, Cane. G. S. Powers. 2,458,299, Jan. 4.
- Harvesting machine, Hay. W. H. Rodefild. 2,488,938, Nov. 22.
- Harvesting machine, Potato. P. J. Packman. 2,488,983, Nov. 22.
- Harvesting machine, Sorghum. H. A. Wegner. 2,489,551, Nov. 29.
- Harvesting means, Beet. D. J. Roach, A. A. Clark, and G. W. Rienks. 2,462,128, Feb. 22.
- Harvesting mechanism, Corn. E. E. Shrader. 2,490,715, Dec. 6.
- Hasp for sliding closures, Safety. I. Sweaney and W. C. Hutchinson. 2,468,575, Apr. 26.
- Hasp keeper, Safety. T. H. Mason. 2,462,523, Feb. 22.
- Hassock. R. Buttner. 2,487,634, Nov. 8.
- Hassock, Air vent. F. A. Powell. 2,485,918, Oct. 25.
- Hat. H. N. Maher. 2,467,839, Apr. 19.
- Hat and tie holder. F. A. Reinke. 2,461,178, Feb. 8.
- Hatbox. A. Drouthman. 2,466,398, Apr. 5.
- Hatbox. A. Drouthman. 2,467,584, Apr. 19.
- Hatbox having fixed and removable radial partitions, Compartmented. A. R. Day. 2,457,875, Jan. 4.
- Hat carrier. R. Beaudoin. 2,474,458, June 28.
- Hat construction. I. Elishewitz. 2,477,240, July 26.
- Hat construction. T. F. Lee. 2,490,446, Dec. 6.
- Hat crease shape holder. H. H. Hanson. 2,491,309, Dec. 13.
- Hat forming machine. M. Press. 2,480,960, Sept. 6.
- Hatpin. L. Egav. 2,466,538, Apr. 5.
- Hat, Sportsman's. E. W. Wetzel. 2,472,033, May 31.
- Hat stand. F. G. Haughwout. 2,480,731, Aug. 30.
- Hat stay and compartmenting means for hat boxes, Combined. L. James and J. E. Jubin. 2,472,079, June 7.
- Hat well. J. Polite. 2,465,477, Mar. 29.
- Hat with replaceable sweatband. G. C. Nelms. 2,483,101, Sept. 27.
- Hatch cover. E. Groppell. 2,484,286, Oct. 11.
- Hatch for boats, Ventilating. R. W. Cook. 2,476,402, July 19.
- Hatch operating mechanism, Safety. R. Kerr. 2,481,429, Sept. 6.
- Hatchway table. M. Mactaggart. 2,479,384, Aug. 16.
- Hay baler attachment. C. T. Gates. 2,467,025, Apr. 12.
- Hayfork, Hydraulic. D. C. Shattuck. 2,474,374, June 28.
- Hayrack on a vehicle, Hydraulic. A. and R. Reuter. 2,488,066, Nov. 15.
- Hayrake. F. S. Bateman and J. H. Corwin. 2,489,256, Nov. 29.
- Hayrake. V. A. Smith and W. F. Seign. 2,487,488, Nov. 8.
- Hayrake, Tractor type. A. R. Baker. 2,471,713, May 31.
- Hay stacker. J. C. Weber. 2,471,364, May 24.
- Hay stacker device. O. F. Fitch. 2,461,973, Feb. 15.

- Hay stacker, Pneumatic. G. W. Stoddard. 2,486,577, Nov. 1.
- Hay stacker, Push-off. S. S. Pokorny. 2,485,110, Oct. 18.
- Headband and earphone mounting. J. Volkmann. 2,474,386, June 28.
- Headband and holder for telephone receivers. R. M. Kobrin. 2,460,458, Feb. 1.
- Headboard for sails. I. F. Manchester, Jr. 2,488,918, Nov. 22.
- Head, Doll's. I. F. Mandell. 2,475,508, July 5.
- Headress, Novelty. G. Mason. 2,464,331, Mar. 15.
- Head, Flame hardening. E. M. Fein. 2,487,430, Nov. 8.
- Head for air lifts, Eduction. J. A. Piersol. 2,470,639, May 17.
- Head for bore gauges, Feeler. A. Eisele. 2,484,697, Oct. 11.
- Head for cotton harvesting machines, Gathering. G. C. Curtis. 2,471,314, May 24.
- Head for extrusion machines, Mixing. K. E. Stober. 2,469,999, May 10.
- Head for magnetic recording machines. T. H. Long. 2,468,601, Apr. 26.
- Headgear. F. D. Huntsman. 2,461,605, Feb. 15.
- Headgear, Boxer's. D. A. Portal. 2,458,025, Jan. 4.
- Headgear for pedestrians and workmen, Safety. C. W. Scott. 2,473,394, June 14.
- Headlamp construction for right and left hand turns and directional signal system with circuits and control mechanism therefor. G. H. Coulter. 2,490,948, Dec. 13.
- Headlamp, Vehicle. D. F. Oberg. 2,490,539, Dec. 6.
- Headlight. J. Cathrill. 2,480,632, Aug. 30.
- Headlight for motor vehicles. W. T. Kiser. 2,476,495, July 19.
- Headlight mechanism for automobiles, Dirigible. A. G. Smith. 2,477,497, July 26.
- Headlight system, Polarizing. L. W. Chubb, Jr. 2,467,293, Apr. 12.
- Headlighting for vehicles, Electric. B. Hybler. 2,472,078, June 7.
- Headlock, Surgical. S. R. Jones. 2,492,383, Dec. 27.
- Headrest. E. F. McDonald, Jr. 2,466,553, Apr. 5.
- Headrest, Automobile seat. W. A. Penn. 2,490,088, Dec. 6.
- Headrest, Collapsible. A. Marshall. 2,460,942, Feb. 8.
- Headrest device. A. A. and C. R. Ayers. 2,488,155, Nov. 15.
- Headrest for artificial respirators. F. T. Wallin. 2,463,728, Mar. 8.
- Headrest for creepers. G. E. Morris. 2,463,410, Mar. 1.
- Headrest, Stable. R. J. Conratt. 2,464,435, Mar. 15.
- Headset and handset, Combination telephone. R. T. Brown. 2,487,787, Nov. 15.
- Headspace micrometer gauge. H. P. Ferguson. 2,483,089, Sept. 27.
- Head, Trammel. G. E. Roedding. 2,474,864, July 5.
- Headwear, Rainproof. I. E. Rosenau. 2,462,679, Feb. 22.
- Headed rods, Production of. A. M. Sasgen. 2,464,655-6, Mar. 15.
- Heald shaft for looms. A. Blickenstorfer. 2,482,149, Sept. 20.
- Heald stop motion for dobby looms, Automatic. P. Rüesch. 2,485,414, Oct. 18.
- Hearing aid, Amplifier. M. E. Rose. 2,484,052, Oct. 11.
- Hearing aid, Bone conduction. H. Koch. Re. 23,125, June 21.
- Hearing aid having the amplifier and the batteries contained in a common casing, Wearable electronic. S. Posen. 2,482,288, Sept. 20.
- Hearing aid unit, Flexible-surfaced bone conduction. H. S. Knowles. 2,470,933, May 24.
- Hearth for burning solid fuels. A. Adrianoff. 2,484,064, Oct. 11.
- Heat actuated device. H. N. Rider. 2,471,240, May 24.
- Heat and pressure applying apparatus. J. Marziani. 2,490,915, Dec. 13.
- Heat and sound insulating material, Method of and apparatus for manufacturing. A. L. C. Delloye. 2,479,911, Aug. 23.
- Heat apparatus, Waste. J. J. Bradley. 2,488,166, Nov. 15.
- Heat circulator, Quick attachable and detachable. N. S. Cole. 2,479,906, Aug. 23.
- Heat conservation means for domestic hot water systems. F. G. Campbell. 2,481,720, Sept. 13.
- Heat control apparatus, Automatic. W. H. Huenergardt. 2,492,865, Dec. 27.
- Heat control for waterless cookers, Thermostatic. A. C. McGarry. 2,491,749, Dec. 20.
- Heat control in an exothermic reaction. S. B. Sweetser and L. B. Smith. 2,468,521, Apr. 26.
- Heat control system, Sensible. L. B. Rhodes and T. J. Lehane. 2,470,188, May 17.
- Heat controlled switch. T. J. Mesh. 2,478,117, Aug. 2.
- Heat detecting system. J. Evans. 2,467,120, Apr. 12.
- Heat distribution control. C. E. Markham. 2,468,830, May 3.
- Heat detecting system. J. Evans. 2,473,197, June 14.
- Heat dissipator for electrical devices and equipment. J. C. Koonz. 2,485,745, Oct. 25.
- Heat exchange. H. R. Davis. 2,478,863, Aug. 9.
- Heat-exchange apparatus. H. L. Barnebey and J. R. Shields. 2,472,362, June 7.
- Heat exchange apparatus. C. F. Hancock. 2,467,741, Apr. 19.
- Heat exchange apparatus. G. C. Polk. 2,463,996, Mar. 8.
- Heat exchange apparatus. J. P. Rathbun. 2,459,095, Jan. 11.
- Heat exchange apparatus for fluids. R. Poole. 2,471,582, May 31.
- Heat exchange in fluidized hydrocarbon conversion systems. H. E. W. Burnside. 2,477,042, July 26.
- Heat exchange media. J. C. Zimmer. 2,467,177, Apr. 12.
- Heat exchange method for the drop-wise condensation of vapors. J. B. Hunter. 2,469,729, May 10.
- Heat exchange system. W. D. Harper. 2,467,935, Apr. 19.
- Heat exchange system. E. P. Harrison and O. A. Hunt. 2,490,266, Dec. 6.
- Heat exchange system. R. E. Olson. 2,472,984, June 14.
- Heat exchange system for heating and cooling. A. H. Charland. 2,487,851, Nov. 15.
- Heat exchange unit. L. P. Seifner and R. C. Moreau. 2,471,784, May 31.
- Heat-exchange unit. J. C. Shaw. 2,469,316, May 3.
- Heat exchange unit. J. C. Shaw and W. J. Schlafman. 2,480,675, Aug. 30.
- Heat-exchange unit, Making. N. T. McKee. 2,460,024, Jan. 25.
- Heat exchanger. J. F. Alcock. 2,469,758, May 10.
- Heat exchanger. A. J. and I. F. Fausek. 2,471,317, May 24.
- Heat exchanger. J. M. Gantvoort. 2,472,413, June 7.
- Heat exchanger. W. H. Goeltz. 2,488,623, Nov. 22.
- Heat exchanger. G. R. Goldthwaite. 2,458,159, Jan. 4.
- Heat exchanger. A. G. Henstridge. 2,479,071, Aug. 16.
- Heat exchanger. E. H. Kidd. 2,460,754, Feb. 1.
- Heat exchanger. A. M. Kohler. 2,468,712, Apr. 26.
- Heat exchanger. C. D. MacCracken. 2,488,549, Nov. 22.
- Heat exchanger. J. C. Shaw. 2,469,315, May 3.
- Heat exchanger. T. Tinker. 2,460,660, Feb. 1.
- Heat exchanger. G. A. Worn and G. W. Evans. 2,492,409, Dec. 27.
- Heat exchanger. G. A. Worn and G. W. Evans, Jr. 2,489,944, Nov. 29.
- Heat exchanger and making same. S. H. Smith. 2,462,136, Feb. 22.
- Heat exchanger, Crossflow. P. A. Pitt. 2,462,421, Feb. 22.
- Heat exchanger, Flue. W. E. Ryan. 2,479,413, Aug. 16.
- Heat exchanger in expansion valve structures, Built-in. E. D. V. Platon. 2,471,448, May 31.
- Heat exchanger or condenser support. K. R. Stearns. 2,464,356, Mar. 15.
- Heat exchanger, Plate type. J. F. Belaieff. 2,469,028, May 3.
- Heat exchanger, Vertical tubular. E. Villiger. 2,468,903, May 3.
- Heat generation indicator. H. M. Ogle. 2,476,998, July 26.
- Heat insulation, Forming. L. B. Miller and W. R. Seipt. 2,486,050, Oct. 25.
- Heat protection for motion-picture projectors, Double shutter. J. G. Capstaff. 2,461,140, Feb. 8.
- Heat pump. E. N. Kemler. 2,463,881, Mar. 8.
- Heat pump. M. M. Smith and E. N. Kemler. 2,490,983, Dec. 13.
- Heat pump means for controlling the temperature of the walls of a room. C. M. Santee. 2,462,557, Feb. 22.
- Heat radiating unit for panel heating. R. E. Stanton. 2,480,427, Aug. 30.
- Heat-resistant composition. D. V. Sarbach. 2,482,600, Sept. 20.
- Heat sealed bag. W. A. Hermanson. 2,475,241, July 5.
- Heat sealing. H. G. Morner. 2,478,121, Aug. 2.
- Heatsealing and apparatus therefor. N. Langer. 2,460,460, Feb. 1.
- Heat-sealing device. T. E. Piazza. 2,466,735, Apr. 12.
- Heat sealing element, Thermoplastic film. T. W. Winstead. 2,481,554, Sept. 13.
- Heatsealing machine, Electric. N. Langer. 2,479,375, Aug. 16.
- Heat stabilization of petroleum mahogany sulfonates. M. Blumer. 2,486,373, Nov. 1.
- Heat stable compositions comprising polymeric vinylidene chloride and phenothioxine or certain derivatives thereof. R. F. Boyer, L. A. Matheson, and R. C. Reinhardt. 2,462,352, Feb. 22.
- Heat storage and supply means. W. J. Freund. 2,486,833, Nov. 1.
- Heat supply control. F. M. Varney. 2,488,572, Nov. 22.
- Heat system for vacuum drying, Balanced. J. M. Brown. 2,477,959, Aug. 2.
- Heat testing apparatus. A. L. Christenson and C. E. Jackson. 2,478,895, Aug. 16.
- Heat transfer and precipitation means. H. C. Cooper. 2,484,875, Oct. 18.
- Heat transfer media, Protection of. A. J. Abrams. 2,485,542, Oct. 25.
- Heat transfer system, Thermomotive modulating. M. E. Fiene. 2,471,146, May 24.
- Heat-treat furnace. C. Menzies. 2,473,381, June 14.
- Heat-treating. F. O. Hess. 2,460,086, Jan. 25.
- Heat treating. T. A. Jagen. 2,479,934, Aug. 23.
- Heat treating. J. Kniveton. 2,462,202, Feb. 22.
- Heat treating a cast aluminum-bronze alloy. H. L. Grange. 2,489,529, Nov. 29.
- Heat-treating and drying particle-form absorbent solids. J. W. Payne and C. H. Lechthaler. 2,492,132, Dec. 27.

- Heat-treating apparatus. F. O. Hess. 2,467,746, Apr. 19.
Heat-treating apparatus. D. W. Riddell. 2,483,433, Oct. 4.
Heat-treating apparatus. A. H. Vaughan. 2,463,222, Mar. 1.
Heat-treating apparatus, Electromagnetic induction. H. E. Somes. 2,460,855, Feb. 8.
Heat-treating fabric. W. H. Shields. 2,485,072, Oct. 18.
Heat-treating furnace. J. H. Germany. 2,477,796, Aug. 2.
Heat-treating furnace. W. C. Hasselhorn. 2,492,220, Dec. 27.
Heat-treating iron steel body. L. F. Whitney. 2,491,238, Dec. 13.
Heat-treating liquids, Method and apparatus for. J. G. Ziegler. 2,472,998, June 14.
Heat-treating means utilizing controlled carbonaceous gaseous atmospheres. H. E. Cartier. 2,459,618, Jan. 18.
Heat-treating metal parts with a bright finish. A. F. Holden. 2,477,561, Aug. 2.
Heat-treating, Method of and apparatus for. F. O. Hess. 2,460,085, Jan. 25.
Heat-treating of electroplated coatings, Electric resistance. J. S. Nachtman. 2,463,412, Mar. 1.
Heat-treating particle-form solid adsorbents. J. W. Payne. 2,472,776, June 7.
Heat-treating solid inorganic adsorbents. E. Utterback and E. V. Bergstrom. 2,477,019, July 26.
Heat-treating steel. G. Vinnerholm, H. D. Ford, and F. C. Young. 2,472,320, June 7.
Heat-treating system. J. M. Lee. 2,458,084, Jan. 4.
Heat treatment. J. J. Kanter. 2,470,988, May 24.
Heat-treatment device, Internal. W. J. Reich and M. J. Nechtow. 2,466,042, Apr. 5.
Heat-treatment for high carbon high chromium steel. C. G. Hoffman and J. M. Kiefer, Jr. 2,486,282, Oct. 25.
Heat-treatment for high carbon high chromium steel. C. G. Hoffman and J. M. Kiefer, Jr. 2,486,283, Oct. 25.
Heat-treatment for metal articles. F. B. Austin. 2,467,367, Apr. 19.
Heat-treatment of cobalt base alloys and products. C. H. Savage. 2,486,576, Nov. 1.
Heated dental instrument table. E. L. Monnot. 2,471,884, May 31.
Heated processor, Electric. A. O. B. Olson. 2,467,492, Apr. 19.
Heater: See—
Air heater.
Aquarium heater.
Automatic instantaneous electric water heater.
Automobile body and engine heater.
Auxiliary air heater.
Auxiliary hot water heater.
Baseboard room heater.
Bed heater.
Ceramic space heater.
Compact forced-air heater.
Concentric shell hot-air heater.
Crankcase oil heater.
Deaerating heater.
Domestic electric heater.
Dual fireplace heater.
Electric air heater.
Electric heater.
Electric fluid heater.
Electric immersion heater.
Electric internal-combustion engine head bolt heater.
Electric water heater.
Electrical fluid heater.
Electrical space heater.
Electrically actuated heater.
Engine block electric-type water heater.
Explosive proof test tube heater.
Fan type heater.
Fluid fuel burning internal-combustion air heater.
Fluid fuel burning space sectional heater.
Fluid heater.
Forced air heater.
Forced circulation electrically heated space heater.
Fuel burning space heater.
Gas burning space heater.
Gas-fired water heater.
Hot-air gas heater.
Hot-water heater.
Incandescent electric heater.
Induced draft heater.
Induction heater.
Jet heater.
Multiple tube forced-draft and air flow air heater.
Oil-burning heater.
Orchard heater.
Portable blower heater.
Portable electric heater.
Portable electric space heater.
Portable heater.
Portable truck heater.
Radiant heater.
Room heater.
Solid fuel burning water heater.
Space heater.
Steam injection water heater.
Stock tank water heater.
Strap-on heater.
Thermostatically controlled space heater.
Tubular air heater.
Tubular heater.
Ultra high frequency dielectric heater.
Unit type airplane heater.
Unit water heater.
Wall-type fuel burning heater.
Water heater.
Wave heater.
Window ventilator heater.
Heater burner, particularly fuel delivery and igniting means therefor. T. E. Spackman. 2,474,702, June 28.
Heater construction, Unit. D. W. Christensen. 2,461,409, Feb. 8.
Heater control. V. N. Tramontini. 2,481,630, Sept. 13.
Heater controlling circuit. V. W. Breitenstein. 2,471,929, May 31.
Heater for auto engines. S. Ronning. 2,475,989, July 12.
Heater for extrusion dies. G. V. Malmendier. 2,477,341, July 26.
Heater for heating air, Internal-combustion. H. J. D. McCollum. 2,482,988, Sept. 27.
Heater for heating liquids, Solar. W. J. Freund. 2,467,885, Apr. 19.
Heater for hot-water furnaces, Oil. J. E. Craddock. 2,474,574, June 28.
Heater for infusions, Water. J. H. Herrera. 2,464,862, Mar. 22.
Heater for installations of limited size, High-capacity internal-combustion. J. A. Richards. 2,492,654, Dec. 27.
Heater for nozzle holes in steel ladles. E. Brown. 2,475,777, July 12.
Heater for rooms, Downward forced flow air. S. J. Heiman. 2,457,818, Jan. 4.
Heater for softening thermoplastics, Electric. J. V. Calhoun. 2,472,144, June 7.
Heater for subsurface materials, Electric. C. S. Ackley. 2,484,063, Oct. 11.
Heater for the cooling water of internal-combustion engines. J. H. Runbaken. 2,474,987, July 5.
Heater for tobacco barns. R. W. McMichael. 2,465,166, Mar. 22.
Heater for use with pipe bending apparatus, Induction. G. H. Hille. 2,461,323, Feb. 8.
Heater for wort kettles. R. C. Schock. 2,468,840, May 3.
Heater having a concentric fuel pan and air cone, Oil burning. J. T. Clark. 2,475,947, July 12.
Heater having means to prevent fuel-contamination of the ventilating air, Internal-combustion. L. A. Williams, Jr. 2,458,968, Jan. 11.
Heater having two-speed control, Airplane. C. H. Bennett. 2,473,699, June 21.
Heater head arrangement, Hot-gas engine. W. J. van Heeckeren. 2,484,393, Oct. 11.
Heater of water and other liquids, Electric. A. E. Willis. 2,464,013, Mar. 8.
Heater regulation, Gas. W. Huber. 2,477,804, Aug. 2.
Heater system. V. N. Tramontini. 2,471,846, May 31.
Heater system, Air. J. Cassie. 2,488,267, Nov. 15.
Heater unit for fireplaces, Dual hot-air. R. D. Russell. 2,471,351, May 24.
Heater unit for thermal overload devices and making the same, Resistance. L. D. Drugmand and E. W. Seeger. 2,479,914, Aug. 23.
Heater unit, Portable hot water. J. E. Davis, Jr. 2,479,558, Aug. 23.
Heater with air circulating blower, Warm air space. M. C. McAfee. 2,470,938, May 24.
Heater with air-cooled muffler, Internal-combustion. H. J. D. McCollum. 2,482,987, Sept. 27.
Heater with altitude controlled combustion air feed, Airplane. F. O. Hess. 2,460,983, Feb. 8.
Heater with constant heating rate control, Radio-frequency. F. G. Albin. 2,473,188, June 14.
Heater with fuel-air mixture control, Hot-air. E. O. Wirth and F. Barford. 2,492,777, Dec. 27.
Heater with fuel retaining trough and igniter pocket, Combustion. H. J. D. McCollum. 2,471,833, May 31.
Heater with Knipp's singing tubes, Internal-combustion. H. J. D. McCollum. 2,471,832, May 31.
Heater with oven, Room. J. P. Reynolds. 2,480,610, Aug. 30.
Heater with pilot burner, Internal-combustion. H. J. D. McCollum. 2,489,716, Nov. 29.
Heater with plenum chamber acoustical damping means, Aircraft. H. J. D. McCollum. 2,488,218, Nov. 15.
Heater with thermally controlled fuel supply, Combustion. T. S. Briskin. 2,457,862, Jan. 4.
Heaters, Manufacture of electric. C. W. Cappell. 2,472,145, June 7.
Heating and control, Oven. R. E. Newell. 2,463,712, Mar. 8.
Heating and cooking apparatus. T. B. Rankin. 2,470,446, May 17.
Heating and cooling apparatus. N. Morris. 2,465,389, Mar. 29.
Heating and cooling plant. H. Borghesan. 2,467,519, Apr. 10.
Heating and cooling system. R. D. Young and J. K. Myers. 2,476,018, July 12.
Heating and cooling system for horticultural houses and cloches. E. G. Johnson. 2,473,589, June 21.
Heating and drying device for footwear, Electric. F. M. Judd. 2,469,468, May 10.
Heating and hardening burner. B. G. Ward, Jr. 2,481,961, Sept. 13.
Heating and humidifying apparatus. H. M. E. Gehrke. 2,477,734, Aug. 2.
Heating and pressing apparatus. W. H. Hunter. 2,489,643, Nov. 29.
Heating and pressing comb. H. F. Jackson and T. F. Spencer. 2,474,106, June 21.

- Heating and ventilating device for vehicles. H. J. Findley. 2,488,278, Nov. 15.
- Heating and ventilating system. R. M. Dilworth. 2,474,394, June 28.
- Heating and ventilating system. E. A. Greenlee. 2,474,048, June 21.
- Heating and welding system. J. Slepian and A. B. White. 2,473,915, June 21.
- Heating apparatus. A. Barnsteiner. 2,490,852, Dec. 13.
- Heating apparatus. A. W. Conley. 2,474,467, June 28.
- Heating apparatus. Y. R. Cornelius. 2,458,835, Jan. 11.
- Heating apparatus. A. A. Hamer. 2,480,363, Aug. 30.
- Heating apparatus. C. Logsdon. 2,484,517, Oct. 11.
- Heating apparatus. J. F. Melzer. 2,474,155, June 21.
- Heating apparatus. M. L. Mueller. 2,481,861, Sept. 13.
- Heating apparatus. L. R. Phillips. 2,474,955, July 5.
- Heating apparatus. H. Rose. 2,463,908, Mar. 8.
- Heating apparatus and controls therefor, Combustion. F. B. Aubert. 2,484,602, Oct. 11.
- Heating apparatus, Combustion tube. L. Wilson and E. A. Corns. 2,478,732, Aug. 9.
- Heating apparatus for burning a liquid fuel spray. G. A. Gillen. 2,474,417, June 28.
- Heating apparatus for heat-treating the interior surface of elongated small-diameter tubular workpieces, Induction. H. A. Strickland, Jr. 2,457,845, Jan. 4.
- Heating apparatus for insertion in range compartments, Unitary. H. D. Dufault. 2,465,361, Mar. 29.
- Heating apparatus, Forced air and gravity circulating. J. W. Miller. 2,470,571, May 17.
- Heating apparatus, Forced-air house. C. D. MacCracken. 2,488,548, Nov. 22.
- Heating apparatus, High-frequency corona arc. E. C. Hanson and D. E. Watts. 2,465,093, Mar. 11.
- Heating apparatus, High-frequency dielectric. R. H. Hagopian. 2,473,881, June 21.
- Heating apparatus, High-frequency dielectric. R. H. Hagopian. 2,479,351, Aug. 16.
- Heating apparatus, High-frequency dielectric. L. B. Himmel. 2,474,420, June 28.
- Heating apparatus, High-frequency dielectric. L. B. Himmel and R. V. Bush. 2,489,135, Nov. 22.
- Heating apparatus, High-frequency dielectric. E. T. Hsu. 2,473,251, June 14.
- Heating apparatus, High-frequency induction. R. J. Detuno. 2,477,118, July 26.
- Heating apparatus, High-frequency induction. R. J. Detuno. 2,484,613, Oct. 11.
- Heating apparatus, Induction. R. A. Gehr and H. W. Secor. 2,479,341, Aug. 16.
- Heating apparatus, Induction. P. F. Molloy. 2,484,238, Oct. 11.
- Heating apparatus, Induction. R. J. Stanton. 2,479,980, Aug. 23.
- Heating apparatus, Induction. E. M. Wharff. 2,476,935, July 19.
- Heating apparatus of the fluid actuated fuel pump type. W. W. Paget. 2,484,849, Oct. 18.
- Heating apparatus, Portable. J. Frisone. 2,467,469, Apr. 19.
- Heating apparatus, Portable. L. A. Williams, Jr. 2,464,165, Mar. 8.
- Heating apparatus, Three-phase electric resistance wire. J. Cook. 2,457,870, Jan. 4.
- Heating apparatus using circularly polarized horn, Microwave. K. J. Stiefel. 2,480,682, Aug. 30.
- Heating arrangement, High-frequency. A. J. Pinkney. 2,485,843, Oct. 25.
- Heating assembly, Toast-marking electric. A. M. Reid. 2,483,669, Oct. 4.
- Heating chamber for thermotic pumps or the like. S. Henderson. 2,465,685, Mar. 29.
- Heating coil providing distribution of heating effect, Induction. T. H. Story. 2,474,703, June 28.
- Heating coking retort ovens with enriched mixtures of fuel gas. W. O. Keeling. 2,458,515, Jan. 11.
- Heating device. G. R. Neumann and E. F. Farrell. 2,459,575, Jan. 18.
- Heating device adapted to electric ranges. A. W. McIntyre. 2,470,181, May 17.
- Heating device, Electric. V. R. W. Bohener. 2,464,633, Mar. 15.
- Heating device, Electric. C. A. Steen. 2,479,981, Aug. 23.
- Heating device, Electric. G. E. Stong. 2,475,379, July 5.
- Heating device for engines. G. Lancia. 2,485,750, Oct. 25.
- Heating device for hot cathode tubes. M. G. Favre. 2,474,575, June 28.
- Heating device for melting rubberized bituminous compositions. A. M. Root, Jr. 2,476,431, July 19.
- Heating device, Hemispherical. W. H. Geyer. 2,482,665, Sept. 20.
- Heating device, Rivet. H. C. Raker and F. E. Stein. 2,491,931, Dec. 20.
- Heating device, Space. F. C. Schoch. 2,469,898, May 10.
- Heating device with corrosion protective anode, Water. H. T. Bates, D. J. Fergus, and A. F. Craver. 2,459,123, Jan. 11.
- Heating element. D. W. Browne. 2,462,607, Feb. 22.
- Heating element. C. H. Sparklin. 2,485,672, Oct. 25.
- Heating element and making the same, Embedded. K. M. Hammell and E. J. Balluff. 2,458,471, Jan. 4.
- Heating element and making the same, Tubular electric. C. B. Backer. 2,490,611, Dec. 6.
- Heating element, Convertible. C. S. Simpelaar. 2,487,484, Nov. 8.
- Heating element, Electric. F. Ashton. 2,477,226, July 26.
- Heating element, Electric. R. T. Cloud. 2,487,695, Nov. 8.
- Heating element, Electric. T. W. Glynn and C. R. Venable. 2,486,148, Oct. 25.
- Heating element, Electric. A. H. Haberstamp. 2,492,424, Dec. 27.
- Heating element, Electric. J. Lelong. 2,489,190, Nov. 22.
- Heating element, Electric. S. A. Montague. 2,486,865, Nov. 1.
- Heating element, Electrical. G. Lewin. 2,481,229, Sept. 6.
- Heating ranged articles, Inductively. A. O. Wood. 2,477,029, July 26.
- Heating gas, Method and apparatus for producing. V. Stark. 2,465,666, Mar. 29.
- Heating gear teeth, Method of and apparatus for electrically. J. Erler and E. R. Gasser. 2,480,457, Aug. 30.
- Heating installation, Water. J. McDonald and W. Hooley. 2,486,490, Nov. 1.
- Heating jacket for cooking utensils. B. H. Snook. 2,483,069, Sept. 27.
- Heating means and control therefor, Dielectric. P. R. Sears. 2,467,783, Apr. 19.
- Heating means with automatic compensation for capacitance variation, Dielectric. A. Schuman. 2,467,782, Apr. 19.
- Heating milk, Method and apparatus for. L. R. Hawk. 2,492,635, Dec. 27.
- Heating of dielectric material, Controlling high-frequency. W. H. Hickok. 2,459,225, Jan. 18.
- Heating of elongated metallic material, High-frequency conduction. A. C. Goodnow. 2,479,346, Aug. 16.
- Heating sheet, Mica base. M. D. Heyman. 2,472,533, June 7.
- Heating, sizing, or forming quartz tubes and profiles, Method of and apparatus for. G. Guigas. 2,469,597, May 10.
- Heating stove with air circulating jacket, Space. H. F. Nelson. 2,487,264, Nov. 8.
- Heating surface. Encased baseboard. A. E. Reiss. 2,477,824, Aug. 2.
- Heating system. W. W. Hallinan. 2,479,069, Aug. 16.
- Heating system. T. A. Holmberg. 2,486,160, Oct. 25.
- Heating system. R. B. Marshall. 2,464,703, Mar. 15.
- Heating system. H. E. Morton. 2,468,268, Apr. 26.
- Heating system. M. L. Mueller. 2,480,596, Aug. 30.
- Heating system. L. A. Williams, Jr. 2,474,709, June 28.
- Heating system. E. O. Wirth and F. Barford. 2,460,207, Jan. 25.
- Heating system, Building. W. N. Alderman. 2,465,184, Mar. 22.
- Heating system, Deaerating. H. C. Waugh. 2,478,144, Aug. 2.
- Heating system, Electric. W. G. Grabeau. 2,474,664, June 28.
- Heating system for buildings, Electric. W. N. Mann and O. W. Minshull. 2,486,791, Nov. 1.
- Heating system for buildings, Electric. N. Rycroft. 2,483,154, Sept. 27.
- Heating system for corrugating machines. W. J. Goetsch. 2,487,647, Nov. 8.
- Heating system for electrical apparatus, Arch. J. Lelong. 2,489,189, Nov. 22.
- Heating system for motor vehicles, Time controlled. C. Vanerka. 2,475,166, July 5.
- Heating system for multiple-room vehicles. W. B. Dean and L. F. Reynolds. 2,483,995, Oct. 4.
- Heating system for tobacco barns and the like, Thermostatically controlled. G. W. Harding. 2,468,665, Apr. 26.
- Heating system, Hot water. L. R. Robertson. 2,461,774, Feb. 15.
- Heating system, House. F. W. Gay. 2,483,896, Oct. 4.
- Heating system, Liquid. O. O. Oaks. 2,491,576, Dec. 20.
- Heating system, Radiant. E. M. Harter. 2,489,130, Nov. 22.
- Heating system, Space. T. L. Arnold. 2,478,620, Aug. 9.
- Heating system, Steam. E. P. Harrison. 2,484,086, Oct. 11.
- Heating tool. M. L. Kovac. 2,470,854, May 24.
- Heating unit. J. Conrad. 2,488,964, Nov. 22.
- Heating unit. H. W. Grosjean and E. M. A. Sizer. 2,469,963, May 10.
- Heating unit. J. W. Myers. 2,464,147, Mar. 8.
- Heating unit and making, Electric. I. E. Aske. 2,477,565, Aug. 2.
- Heating unit assemblage, Electric. K. R. Kuenne. 2,490,139, Dec. 6.
- Heating unit, Electric. C. B. Curtiss. 2,469,634, May 10.
- Heating unit, Electric. B. P. McKinley. 2,476,613, July 19.
- Heating unit, Electric. S. G. Olivares. 2,470,715, May 17.
- Heating unit, Electric. D. M. Trilling and G. H. Rich. 2,458,225, Jan. 4.
- Heating unit, Electric range. D. Meyer. 2,486,862, Nov. 1.
- Heating unit, Electrical. A. Cote. 2,471,674, May 31.
- Heating unit, Electrical. J. Maller. 2,468,217, Apr. 26.

- Heating unit, Electrical. D. P. Wilkes. 2,472,930, June 14.
- Heating unit for pipes. J. Numrich. 2,464,052, Mar. 8.
- Heating unit for tanks, Electric. K. R. Kuenne. 2,484,893, Oct. 18.
- Heating unit, Fuel burning forced air. O. W. Ott. 2,457,269, Nov. 8.
- Heating unit, Hot-water. G. M. Godshall. 2,460,691, Feb. 1.
- Heating unit, including reciprocating grates. L. F. Gough. 2,472,746, June 7.
- Heating unit, Tubular electrical. G. De Gelleke. 2,465,208, Mar. 22.
- Heating units, Casting electric. H. V. Leckie. 2,483,056, Sept. 27.
- Heating viscous liquids in ship's tanks. A. S. Ahlbom. 2,465,779, Mar. 29.
- Heavy oil and sand pump. C. J. Coberly. 2,473,864, June 21.
- Hectograph blanket and preparing the same. R. W. Tatge. 2,486,344, Oct. 25.
- Heddle for composite looms, Sliding. S. T. Bryson, Jr. 2,486,919, Nov. 1.
- Heddle mechanism for circular looms. V. M. J. Ancet. 2,492,514, Dec. 27.
- Heel trimmer, Electric. S. Shipley. 2,484,753, Oct. 11.
- Heel and heel tap attachment, Interchangeable. F. George and H. A. Dadisman. 2,478,264, Aug. 9.
- Heel-attaching machine. T. B. Clarke and A. A. Rivington. 2,480,907, Sept. 6.
- Heel breasting machine. H. E. Elliott. 2,489,406, Nov. 29.
- Heel construction. J. Nicoletti. 2,466,611, Apr. 5.
- Heel construction. S. Sorofman. 2,492,013, Dec. 20.
- Heel, Rubber. H. H. Moody. 2,464,251, Mar. 15.
- Height gauge. J. Bauer and A. Schittelbauer. 2,462,350, Feb. 22.
- Height gauge. T. D. Gerber. 2,465,530, Mar. 29.
- Height gauge. H. Morrison. 2,468,995, May 3.
- Helical asymmetrical thread forms for fluid devices. J. E. Whitfield. 2,473,234, June 14.
- Helical brushes, Producing. V. F. Dale. 2,483,627, Oct. 4.
- Helical hollow rotor pump. J. B. Wade. 2,464,011, Mar. 8.
- Helical multiple pump. R. J. L. Moineau. 2,483,370, Sept. 27.
- Helicopter. J. H. Brewster, III. 2,491,549, Dec. 20.
- Helicopter. L. Gilcrease. 2,487,020, Nov. 1.
- Helicopter. S. Hiller, Jr. 2,481,745-7, Sept. 13.
- Helicopter. S. Hiller, Jr. 2,481,748-9, Sept. 13.
- Helicopter. S. Hiller, Jr. 2,491,733, Dec. 20.
- Helicopter. S. Hiller, Jr., and J. Stuart, III. 2,481,750, Sept. 13.
- Helicopter. T. S. Keranen. 2,474,362, June 28.
- Helicopter. C. L. Morris. 2,475,333, July 5.
- Helicopter. J. M. Owen. 2,466,821, Apr. 12.
- Helicopter adapted to be attached to a pilot. H. T. Pentecost. 2,461,347, Feb. 8.
- Helicopter-airplane, Convertible. J. Stuart, III. 2,478,847, Aug. 9.
- Helicopter-airplane, Variable-attitude. L. H. Leonard. 2,479,125, Aug. 16.
- Helicopter and support, Rotary. W. L. West. 2,472,556, June 7.
- Helicopter kite. R. W. Fernstrum. 2,472,290, June 7.
- Helicopter of the coaxial wing type. H. T. Pentecost. 2,461,348, Feb. 8.
- Helicopter rotor drive and control system. C. M. Seibel. 2,471,904, May 31.
- Helicopter rotor, Jet propelled. A. R. Wilcox. 2,462,587, Feb. 22.
- Helicopter station. L. G. Redstone. 2,481,843, Sept. 6.
- Helicopter, Tandem rotary. I. J. Marriage. 2,488,018, Nov. 15.
- Helicopter with antitorque reaction jet. A. Gazda. 2,486,272, Oct. 25.
- Helix for facsimile apparatus, Raised. W. H. Tribble. 2,480,890, Sept. 6.
- Helm wheel. J. Egedi. 2,457,987, Jan. 4.
- Helmet, Protecting. C. E. Bowers. 2,469,810, May 10.
- Helmet, Steel. R. H. Barnes. 2,469,146, May 3.
- Hem binding gauge. R. Hoffman. 2,487,926, Nov. 15.
- Heptan-3:4-dione and ethyl propyl acrylic acid, Manufacture of. B. Duval, A. Elce, K. Heinrich, and W. Tuerck. 2,465,012, Mar. 22.
- Hermetically sealed, self-lubricating slide bearing. G. C. Molotzak. 2,462,659, Feb. 22.
- Heterocyclic amines. J. T. Plati and W. Wenner. 2,470,108, May 17.
- Heterocyclic amines. J. T. Plati and W. Wenner. 2,470,109, May 17.
- Heterocyclic compound, Preparation of. M. E. Hultquist. 2,473,796, June 21.
- Heterocyclic nitrogen base salts of 3-methyl-butyl-2-ethyl-hexyl orthophosphate. H. G. Smith and T. L. Cantrell. 2,480,056, Aug. 23.
- Heterocyclic polynuclear keto aliphatic acids and the production thereof. R. R. Burtner and J. M. Brown. 2,480,220, Aug. 30.
- Heterocyclic-substituted carbinols. R. R. Whetstone. 2,481,377, Sept. 6.
- Heterodyne eliminator, Automatic. J. L. A. McLaughlin. 2,480,870, Sept. 6.
- Hexadecamethylcyclotetrasiloxane. R. R. McGregor and E. L. Warrick. 2,465,547, Mar. 29.
- Hexaethyl tetraphosphate, Producing. H. Adler. 2,462,057, Feb. 22.
- Hexafluorophosphoric acid, Producing. W. Lange and R. Livingston. 2,488,298-9, Nov. 15.
- Hexanebisdiethylamide as plasticizer for butadiene-acrylonitrile co-polymer. A. W. Campbell. 2,474,776, June 28.
- Hides, skins, and leather, Drying. E. A. Wagner. 2,479,440, Aug. 16.
- High chair. G. E. Froelich. 2,483,633, Oct. 4.
- High chair. E. L. Johnson. 2,491,465, Dec. 20.
- High-density explosive, Making a. L. F. Audrieth and D. D. Sager. 2,482,089-91, Sept. 20.
- High dielectric material and making same. E. Wainer. 2,467,169, Apr. 12.
- High dispersion fluosilicate glasses. K.-H. Sun. 2,481,701, Sept. 13.
- High-explosive compositions or charges, Manufacture of. H. R. Wright and J. Taylor. 2,471,851, May 31.
- High-frequency apparatus. T. J. Boerner and J. W. Sanborn. 2,485,856, Oct. 25.
- High-frequency apparatus. W. C. Hahn. 2,463,267, Mar. 1.
- High-frequency apparatus. A. E. Harrison. 2,464,230, Mar. 15.
- High-frequency apparatus. A. E. Harrison. 2,482,769, Sept. 27.
- High-frequency apparatus. E. Mittelman. 2,490,081, Dec. 6.
- High-frequency apparatus. L. F. Sorg. 2,466,058, Apr. 5.
- High-frequency apparatus. L. E. Thompson. 2,476,162, July 12.
- High-frequency apparatus. J. R. Woodyard and W. W. Hansen. 2,466,067, Apr. 5.
- High-frequency apparatus and method. W. W. Hansen, R. H. and S. F. Varian. 2,464,229, Mar. 15.
- High-frequency apparatus for automatically regulating temperature in tempering of magnetizable material. B. Michel. 2,464,336, Mar. 15.
- High-frequency bridge circuit. W. W. Hansen. 2,484,028, Oct. 11.
- High-frequency cable. C. G. Lemon. 2,488,211, Nov. 15.
- High-frequency circuits. J. E. Young. 2,474,769, June 28.
- High-frequency coaxial cable switch. S. M. Beleskas. 2,472,274, June 7.
- High-frequency drying. C. J. Merriam. 2,473,539, June 21.
- High-frequency electric separator. W. G. Price. 2,487,272, Nov. 8.
- High-frequency electrical apparatus. R. N. Hall, A. H. Sharbaugh, and L. Tonks. 2,482,541, Sept. 20.
- High-frequency generator. A. Montani. 2,463,710, Mar. 8.
- High-frequency generator. C. A. Segerstrom, Jr. 2,462,909, Mar. 1.
- High-frequency heating apparatus. J. P. Jordan. 2,482,545, Sept. 20.
- High-frequency heating regulator. J. P. Jordan. 2,461,283, Feb. 8.
- High-frequency inductive coupling. P. H. Fennema. 2,475,829, July 12.
- High-frequency inductor heat-treating apparatus. H. F. Storm. 2,464,727, Mar. 15.
- High-frequency oscillation tube. A. G. Thomas. 2,457,947, Jan. 4.
- High-frequency potential dividing termination. H. J. Tyzzer. 2,460,476, Feb. 1.
- High-frequency power, Measuring of. C. W. Hansell. 2,481,589, Sept. 13.
- High-frequency reactance testing apparatus. W. T. Posey. 2,477,347, July 26.
- High-frequency shorting block. P. A. Vonada. 2,468,147, Apr. 26.
- High-frequency switch. N. Marchand. 2,477,635, Aug. 2.
- High-frequency tunable circuit. T. M. Davis. 2,491,480, Dec. 20.
- High-g centrifuge. G. B. Engelhardt. 2,465,437, Mar. 29.
- High-grade pottery ware, Method and apparatus for making. W. J. Miller. 2,481,826, Sept. 6.
- High-potential electric switch. L. J. Linde. 2,489,426, Nov. 29.
- High-power pulse generator. J. E. Gorham and I. Sager. 2,459,809, Jan. 25.
- High-pressure and high-temperature test apparatus. P. W. Bridgman, S. S. Kistler, and W. M. Wheelon, Jr. 2,483,803, Oct. 4.
- High-pressure discharge lamp. E. B. Noel. 2,467,687, Apr. 19.
- High-pressure fluid pump. W. T. Tabb. 2,465,046, Mar. 22.
- High-pressure mercury vapor lamp. V. J. Francis and E. H. Nelson. 2,459,516, Jan. 18.
- High-speed precision limit bridge arrangement and method. A. L. Rosoff. 2,474,692, June 28.
- High-speed quenching. C. D. Flemming and G. S. Mape. 2,483,725, Oct. 4.
- High-speed vacuum sealing cap. F. W. Krueger. 2,467,979, Apr. 19.
- High stability receiver circuit. J. D. Booth. 2,476,803, July 19.
- High stability voltage regulator. W. R. Baker. 2,462,935, Mar. 1.

- High-tension switching means. V. Quittner. 2,475,197, July 5.
- High vacuum getter. J. R. Beers. 2,469,626, May 10.
- High velocity fluid solids technique. F. T. Barr. 2,483,485, Oct. 4.
- High-viscosity extreme pressure base by air-blowing. Preparation of. J. B. Stucker, E. T. Fronczak, and G. Wolfram. 2,483,600, Oct. 4.
- High-voltage apparatus, Regulated. R. R. Thalner. 2,475,063, July 5.
- High-voltage generator. L. de Forest. 2,489,082, Nov. 22.
- High-voltage generator. G. C. Sziklai. 2,490,743, Dec. 6.
- High voltage switch. C. L. Stroup. 2,457,939, Jan. 4.
- Hindered settling classification. E. C. Bitzer. 2,460,801, Feb. 8.
- Hinge. W. B. Pallmen. 2,484,581, Oct. 11.
- Hinge. R. I. Rhodes. 2,481,877, Sept. 13.
- Hinge. C. Stallard. 2,490,889, Dec. 13.
- Hinge. R. E. Weaver. 2,469,804, May 10.
- Hinge and latch structure, Collapsible table leg. G. H. Burr. 2,466,205, Apr. 5.
- Hinge, Concealed. O. C. Gessler. 2,460,171, Jan. 25.
- Hinge connection for elastic sheets. L. E. Hamel. 2,487,869, Nov. 15.
- Hinge construction. C. E. Brownell. 2,491,159, Dec. 13.
- Hinge construction, Shipping and display box. A. J. Carpenter, Jr. 2,490,746, Dec. 6.
- Hinge, Cover lift. A. R. Turner. 2,483,947, Oct. 4.
- Hinge, Deck lid. T. Vigmostad and E. W. Kedick. 2,479,437, Aug. 16.
- Hinge, Easel. C. N. Cross. 2,472,405, June 7.
- Hinge for articulated joints, Universal. G. B. Robinson. 2,477,827, Aug. 2.
- Hinge for closures, Lock. L. Shirk. 2,467,601, Apr. 19.
- Hinge for mounting sun shields on cap visors. H. and L. Wall. 2,481,960, Sept. 13.
- Hinge for overhead doors. H. B. Clark. 2,484,609, Oct. 11.
- Hinge, Friction. C. W. Kelly. 2,488,127, Nov. 15.
- Hinge, Hydraulically controlled. H. S. Diebel. 2,490,258, Dec. 6.
- Hinge, Latching. H. M. Shealey. 2,488,882, Nov. 22.
- Hinge, Lock. W. R. Simmons. 2,488,688, Nov. 22.
- Hinge or the like, Tamperproof. E. L. Berkson. 2,462,300, Feb. 22.
- Hinge, Pipe. J. C. Hobbs. 2,480,858, Sept. 6.
- Hinge, Pole supporting. E. M. Jordan. 2,458,081, Jan. 4.
- Hinge structure, Adjustable. F. M. Lambert. 2,482,983, Sept. 27.
- Hinging arrangement. C. H. Bayer. 2,490,504, Dec. 6.
- Hip pad. J. A. Coleman. 2,481,291, Sept. 6.
- Hitch. J. J. Ravers. Jr. 2,491,333, Dec. 13.
- Hitch, Adjustable binder. C. L. Conrow. 2,462,469, Feb. 22.
- Hitch and differential housing, Tractor. E. V. Bunting. 2,486,257, Oct. 25.
- Hitch, Constant draft. C. P. Smith. 2,480,387, Aug. 30.
- Hitch construction for trailing grain receptacles. G. O. Turnbull. 2,491,232, Dec. 13.
- Hitch, Cycle. C. F. Gibson. 2,489,771, Nov. 29.
- Hitch for tractors, Implement. J. A. Love. 2,477,994, Aug. 2.
- Hitch for trailers and the like, Safety. H. F. Heavener. 2,464,392, Mar. 15.
- Hitch, Hoisting. S. A. Coons. 2,487,853, Nov. 19.
- Hitch, Hydraulic trailer. R. O. Messier. 2,463,896, Mar. 8.
- Hitch, Locking trailer. S. R. Du Brie. 2,489,705, Nov. 29.
- Hitch mechanism. E. V. Bunting. 2,487,096, Nov. 8.
- Hitch mechanism. C. W. Goff. 2,458,848, Jan. 11.
- Hitch mechanism. C. W. Goff. 2,491,373, Dec. 13.
- Hitch, Saddle cap type truck. W. J. Miller. 2,488,023, Nov. 15.
- Hitch, Safety. E. D. Presdorf. 2,470,862, May 24.
- Hitch, Steering trailer. J. Heikkinen. 2,479,113, Aug. 16.
- Hitch, Swinging. H. G. Bauer. 2,458,330, Jan. 4.
- Hitch, Tractor. C. E. Clapper. 2,457,976, Jan. 4.
- Hitch, Tractor. F. V. Donald. 2,489,274, Nov. 29.
- Hitch, Tractor. J. C. Kass. 2,472,905, June 14.
- Hitch, Tractor. S. Mayner and F. L. Kapel. 2,488,676, Nov. 22.
- Hitch, Tractor. J. M. Miller. 2,478,591, Aug. 9.
- Hitch, Tractor. E. C. Mundhenke. 2,467,593, Apr. 19.
- Hitch, Tractor. L. E. Ruth. 2,476,511, July 19.
- Hitch, Tractor-trailer. E. F. Duffy. 2,485,371, Oct. 18.
- Hitch, Trailer. R. W. Barrington. 2,470,842, May 24.
- Hitch, Trailer. D. R. Conrad and F. M. Reynolds. 2,465,065, Mar. 22.
- Hitch, Trailer. H. T. Fearnough. 2,475,780, July 12.
- Hitch, Trailer. J. E. Gatch. 2,457,885, Jan. 4.
- Hitch, Trailer. H. P. Hughes. 2,486,161, Oct. 25.
- Hitch, Trailer. B. Koback. 2,485,743, Oct. 25.
- Hitch, Trailer. D. C. McCune and H. Brooks. 2,472,432, Oct. 25.
- Hitch, Trailer. P. T. Miller. 2,481,139, Sept. 6.
- Hitch, Trailer. A. Murat. 2,490,645, Dec. 6.
- Hitch, Trailer. W. H. Robertson. 2,459,965, Jan. 25.
- Hitch, Trailer. H. F. Schultz. 2,484,751, Oct. 11.
- Hitch, Trailer. D. W. Shook. 2,475,761, July 12.
- Hitch, Trailer. C. Williams. 2,458,667, Jan. 11.
- Hitch, Trailer coach spring. G. J. Bihn. 2,463,140, Mar. 1.
- Hitch, Truck. E. F. Andrews. 2,471,184, May 24.
- Hitch, Universal. L. L. Hyler. 2,458,781, Jan. 11.
- Hitch, Wagon tongue. R. W. Suhl and E. C. Marxmiller. 2,470,531, May 17.
- Hob slide, Automatic. R. L. Cotta. 2,483,810, Oct. 4.
- Hobbyhorse. G. J. Brown. 2,489,698, Nov. 29.
- Hobbyhorse. J. Jensen. 2,473,649, June 21.
- Hobbyhorse. R. Krasberg. 2,487,249, Nov. 8.
- Hobbyhorse. H. Kuppin. 2,462,648, Feb. 22.
- Hobbyhorse. R. H. La Follette. 2,464,694, Mar. 15.
- Hobbyhorse, Galloping. H. J. Fischer. 2,469,263, May 3.
- Hobbyhorse, Mechanical. W. P. Dwyer. 2,478,091, Aug. 2.
- Hobbyhorse, Spring. W. C. Handley. 2,463,268, Mar. 1.
- Hod, Collapsible. T. M. Hevener. 2,458,942, Jan. 11.
- Hoe attachment for rakes. W. K. Smith. 2,469,012, May 3.
- Hoe stand. J. F. Hendrix. 2,474,579, June 28.
- Hoe, Vineyard. J. Fiorella. 2,463,684, Mar. 8.
- Hog feeder. O. D. Soddors. 2,484,967, Oct. 18.
- Hog oiler, Automatic. H. H. Steffens. 2,481,361, Sept. 6.
- Hog-ring tool. R. E. Powers. 2,487,475, Nov. 8.
- Hog ringer, Automatic. C. Forst. 2,485,874, Oct. 25.
- Hogshead, Tobacco. H. G. Bell. 2,470,459, May 17.
- Hoist. W. H. Britt. 2,477,783, Aug. 2.
- Hoist. S. H. Hall. 2,476,192, July 12.
- Hoist. C. B. King. 2,463,394, Mar. 1.
- Hoist. H. R. Olsen. 2,467,771, Apr. 19.
- Hoist. R. C. Osgood. 2,475,983, July 12.
- Hoist. F. Pennell. 2,480,303, Aug. 30.
- Hoist and tow mechanism. B. M. Johnson. 2,481,223, Sept. 6.
- Hoist and winch control, Electric. K. Mahnke. 2,468,092, Apr. 26.
- Hoist clamp. A. J. Plante. 2,461,394, Feb. 8.
- Hoist, Collapsible. J. R. Martin, Sr. 2,488,920, Nov. 22.
- Hoist control, Skip. G. Fox. 2,462,484, Feb. 22.
- Hoist for licker of cotton cards. E. H. Ghant. 2,491,967, Dec. 20.
- Hoist for semitrailers, Front end. W. J. Bevan. 2,481,898, Sept. 13.
- Hoist hook. J. E. Dobson. 2,476,847, July 19.
- Hoist, Hydraulic. W. G. Holleman, Jr. 2,487,808, Nov. 15.
- Hoist, Jack. H. C. Delph. 2,459,505, Jan. 18.
- Hoist, jack, and wire stretcher, Combination. F. W. Coffing. 2,470,019, May 10.
- Hoist, Loading. W. Bridegroom. 2,487,305, Nov. 8.
- Hoist-lower control. G. L. Danforth. 2,469,594, May 10.
- Hoist mechanism, Wrecking truck. G. M. Ashton. 2,491,357, Dec. 13.
- Hoist, Plasterboard. A. F. Core. 2,472,887, June 14.
- Hoist, Steam cargo. W. C. Markey. 2,469,567, May 10.
- Hoist, Truck. L. Gelbman. 2,478,094, Aug. 2.
- Hoisting and conveying apparatus, Mobile. P. N. Evans. 2,488,180, Nov. 15.
- Hoisting and dumping vehicle. J. H. Stees. 2,491,780, Dec. 20.
- Hoisting and lifting device. W. J. Harrington. 2,471,323, May 24.
- Hoisting apparatus. P. H. Girouard and D. Wertman. 2,490,797, Dec. 13.
- Hoisting apparatus, Wrecker and similar. E. W. Holmes and E. W. Holmes, Jr. 2,479,009, Aug. 16.
- Hoisting device. J. B. Houghton. 2,472,251, June 7.
- Hoisting device. R. Trombley. 2,461,401, Feb. 8.
- Hoisting device, Sign. K. G. Skrubbellos. 2,481,252, Sept. 6.
- Hoisting hook. A. B. Henderson. 2,462,965, Mar. 1.
- Hoisting mechanism, Cable actuated. E. V. Findley. 2,482,406, Sept. 20.
- Hoisting mechanism, Truck body. L. S. Wood. 2,488,790, Nov. 22.
- Hold an electric switch spindle in different axial positions, Means to. D. W. Johnson. 2,491,315, Dec. 13.
- Hold-down means for swing joint mounted arms, Automatic. H. C. Krone and W. Meyer. 2,492,049, Dec. 20.
- Holder: See—
- | | |
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| Abrasive sheet holder. | Buoyant soap holder. |
| Abrasive sleeve holder. | Camera holder. |
| Abrasive strip holder. | Candle holder. |
| Adjustable duplex tip holder. | Candlestick holder. |
| Anchor line or stringer holder. | Carbon holder. |
| Article holder. | Card holder. |
| Auto cleansing tissue holder. | Chalk holder. |
| Automatic fish pole holder. | Chart holder. |
| Automatic safety flat-iron holder. | Christmas tree holder. |
| Baby bottle holder. | Cigarette holder. |
| Baby's bottle holder. | Cleaning tissue holder. |
| Bag holder. | Clothesline holder. |
| Barrel holder. | Coin and key holder. |
| Battery holder. | Coin holder. |
| Bedclothes holder. | Collar and tie holder. |
| Blade holder. | Collar holder. |
| Bobbin holder. | Combination comb and toilet article holder. |
| Book match holder. | Combination shade and curtain holder. |
| Boring tool holder. | Combination shade and curtain rod holder. |
| Bottle holder. | Combined coaxial and crystal holder. |
| Branch holder. | Communications copy and schedule holder. |
| Brush holder. | Fondiment holder. |
| Bucket holder. | |

Holder: See—Continued.

- Conductor's check holder.
Corncob holder.
Cosmetic holder.
Cover holder.
Crucifix holder.
Crystal holder.
Curtain and shade rod holder.
Dental floss holder.
Dermatone holder.
Diaper holder.
Dispensing package holder.
Drainage bottle holder.
Drill holder.
Drinking tube holder.
Dry seal pressure type gas holder.
Egg holder.
Ejector type welding electrode holder.
Electric razor holder.
Electrode holder.
Eyeglass holder.
Feeler holder.
Film developing holder.
Film holder.
Fish pole holder.
Fishing fly holder.
Fishing pole holder.
Fishing rod holder.
Flint holder.
Flower holder.
Fly tying bobbin holder.
Garment holder.
Gas holder.
Gauge holder.
Girdle holder.
Glassine gummed paper label holder.
Gunstock cartridge holder.
Hair ringlet holder.
Hairpin holder.
Half-tone screen holder.
Handle holder.
Hat and tie holder.
Hat crease shape holder.
Hook and line holder.
Implement holder.
Index strip holder.
Inside car tray holder.
Iron holder.
Key holder.
Knitting needle holder.
Label holder.
Lamp holder.
Laundering or pressing iron holder.
Lever operated sliding jaw mop holder.
License plate holder.
Lipstick holder.
Magnetic nail holder.
Magnetic work holder.
Mailable display holder.
Map and key holder.
Mechanical instrument holder.
Memorandum paper holder.
Microphone holder.
Microtone blade holder.
Milkster tube holder.
Motor brush holder.
Multitipstick holder.
Multiple crystal holder.
Multiple lamp fluorescent lamp holder.
Nankin holder.
Necktie holder.
Needle and thimble holder.
Nozzle holder.
Nursing bottle holder.
Open-ended multiple wrench holder.
Ornamental article holder.
Packing holder.
Paintbrush holder.
Paint can holder.
Panner cup holder.
Paper roll holder.
Pencil holder.
Photographic film and screen holder.
- Photographic film holder.
Picture frame holder.
Piezoelectric crystal holder.
Pinup vanity case holder.
Plastic fishhook holder.
Plate holder.
Plumb line holder.
Pneumatic thread holder.
Pocket cutlery holder.
Portable drill press holder.
Powder dispensing toothbrush holder.
Power drill holder.
Quick find key holder.
Rat or rodent poison holder.
Razor blade holder.
Receptacle holder.
Record holder.
Ring display holder.
Roll holder.
Rope holder.
Rotary brush holder.
Sack holder.
Saddle stirrup holder.
Sadiron holder.
Safety ignition key holder.
Safety razor blade holder.
Sales book pencil holder.
Sandpaper holder.
Sash holder.
Saw holder.
Sectional hinged fold holder.
Self-fastening cord holder.
Self-righting cigarette holder.
Shaver holder.
Shielded electrode holder.
Shirt and trouser holder.
Shoe holder.
Sickbed waste receptacle holder.
Sliding window sash holder.
Smoothing iron holder.
Soap holder.
Soldering iron holder.
Specimen holder.
Spectacle holder.
Spool holder.
Spoon holder.
Spud wrench holder.
Stair carpet holder.
Steel wool pad holder.
Stick holder.
Storage battery holder.
Strip chart holder.
Suspender holder.
Syringe holder.
Tackless display holder.
Tape holder.
Telephone holder.
Temperature controlled crystal holder.
Thread holder.
Ticket holder.
Tip cleaner holder.
Tire chain holder.
Tissue holder.
Toothbrush holder.
Tray holder.
Tree holder.
Trip rope holder.
Tube and instrument holder.
Two-piece plastic loose-leaf memorandum sheet holder.
Umbrella holder.
Unitary chalk and eraser holder.
Universal gauge holder.
Utility holder.
Watch movement holder.
Weld rod holder.
Welding electrode holder.
Window sash holder.
Work holder.
Wrist watch holder.
Yarn holder.
- Holder and crucible, Crucible. J. Frei, Jr. 2,462,259, Feb. 22.
Holder and dispenser, Bait. E. F. Attula. 2,478,621, Aug. 9.
Holder and dispenser, Cigarette or like. M. H. Sacher and C. J. Gentile. 2,474,168, June 21.
Holder and dispenser for tongue blades, Sanitary. S. H. Archer. 2,467,799, Apr. 19.
Holder and dispenser, Paper. W. M. Patterson and D. Hammond. 2,487,763, Nov. 8.
Holder and driver, Saw blade. M. B. Moyer and W. F. Martin. 2,480,595, Aug. 30.
Holder and expeller, Button-making tubular-saw. R. N. Palmer. 2,471,698, May 31.
Holder and gauge, Cable. M. Frank. 2,460,001, Jan. 25.
Holder and guide, Saw-file. C. Perry. 2,460,189, Jan. 25.
Holder and hair curler, Bobby pin. F. Interrante. 2,492,641, Dec. 27.
Holder and lipstick, Lipstick. A. E. Vaughn. 2,461,790, Feb. 15.
Holder and mirror or the like, Combined cosmetic. D. E. Olsen. 2,458,020, Jan. 4.
Holder and paper splitter, Carbon. L. K. Fleischmann. 2,492,036, Dec. 20.
Holder and protector, Transparent fishing bait. P. N. Frair. 2,467,971, Apr. 19.
Holder and punch, Nail. N. J. Pollock. 2,462,774, Feb. 22.
Holder and receiver lifter, Telephone. G. J. Rovnak. 2,490,709, Dec. 6.
Holder and releaser, Bag. L. O. Jones. 2,471,218, May 24.
Holder and separator, Sanitary toothbrush. J. Reganato and A. G. Guertin. 2,463,055, Mar. 1.
Holder and sharpener, Combined knife. F. H. Alexander. 2,475,937, July 12.
Holder and snuffer, Taper. E. D. Muzzy. 2,461,124, Feb. 8.
Holder and stripper, Paintbrush. J. F. Dalia. 2,483,265, Sept. 27.
Holder and tension member for toy cash registers, Combination key. H. A. Kroenlein. 2,458,863, Jan. 11.
Holder and toothbrush, Combination dental floss. H. Kahn. 2,468,298, Apr. 26.
Holder and wiper, Combined paintbrush. M. I. Hoffman and L. M. Meidinger. 2,466,850, Apr. 12.
Holder assembly, Brush. J. H. Stark. 2,492,770, Dec. 27.
Holder device, Pole. T. J. Brown. 2,487,094, Nov. 8.
Holder for and package of dental articles. E. M. Lennox. 2,484,627, Oct. 11.
Holder for arc welding and arc cutting of metals. R. D. Colinet. 2,485,360, Oct. 18.
Holder for arc welding, Electrode. G. P. Loucks. 2,479,127, Aug. 16.
Holder for attached collars. N. I. Paulsen. 2,488,139, Nov. 15.
Holder for attachment to ironing boards, Iron. J. E. Mallett. 2,491,123, Dec. 13.
Holder for balancing automobile wheels, Ring weight. E. S. Stroberg. 2,485,936, Oct. 25.
Holder for belt fasteners. B. Tebb. 2,481,889, Sept. 13.
Holder for camera finders, Hinged eyepiece. G. Baer. 2,479,291, Aug. 16.
Holder for cameras, Magazine film. A. D. Johnson. 2,463,878, Mar. 8.
Holder for carfare tokens. W. A. Sherbondy. 2,459,292, Jan. 18.
Holder for card tables and the like, Swinging. G. G. Hathaway. 2,486,279, Oct. 25.
Holder for chain saw sharpeners. R. S. Carroll. 2,458,058, Jan. 4.
Holder for Christmas trees, flagstuffs, and the like. W. M. Irvin. 2,459,533, Jan. 18.
Holder for cigarette lighters, Flint. H. Horning. 2,476,149, July 12.
Holder for cigarette packs, Adjustable. H. A. Husted. 2,475,896, July 12.
Holder for circular fluorescent lamps, Lamp. J. M. Pistey. 2,492,764, Dec. 27.
Holder for cleaning material, Flexible. J. M. Parl. 2,479,131, Aug. 16.
Holder for coal-cutting chains, Bit. E. F. Johnston. 2,458,946, Jan. 11.
Holder for coffee filters, Spring. G. B. Colby. 2,489,482, Nov. 29.
Holder for collapsible tubes. G. W. Witte. 2,474,080, June 21.
Holder for compressible cleaning materials, Adjustable. D. D. Wolfe. 2,477,471, July 26.
Holder for containers, such as jars, bottles, canisters, and the like. J. F. Kennedy. 2,480,411, Aug. 30.
Holder for cooking wieners and the like. J. B. Woodbury. 2,479,533, Aug. 16.
Holder for cosmetics. R. Z. Sarff. 2,466,783, Apr. 12.
Holder for curtain brackets. A. Alberio. 2,479,452, Aug. 16.
Holder for cutting openings, Torch. R. O. Young. 2,463,075, Mar. 1.
Holder for die grinding. A. F. Cronlund. 2,485,866, Oct. 25.
Holder for dispensing containers. C. H. Goodpasture. 2,470,890, May 24.
Holder for double-ended discharge lamps, Lamp. B. C. Webster. 2,473,925, June 21.

Holder. E. R. Lawshe. 2,489,040, Nov. 22.

Holder. R. G. Montero. 2,473,086, June 14.

Holder and applicator, Lipstick. J. T. McCreary. 2,492,492, Dec. 27.

Holder and brush wiper for paint cans, Combined bail. J. V. Litwais. 2,478,291, Aug. 9.

Holder and buffer, Door. W. P. Bennett. 2,472,397, June 7.

Holder and container, Article. L. Treeck. 2,477,274, July 26.

- Holder for drills and the like, All-purpose work. E. Dion. 2,471,940, May 31.
- Holder for electric flatirons. L. E. Traxler. 2,486,448, Nov. 1.
- Holder for electric irons, Cord. M. C. Allen. 2,488,255, Nov. 15.
- Holder for electron optical instruments, Specimen. E. G. Dornfeld. 2,464,382, Mar. 15.
- Holder for fastener attaching means. C. D. Buckley. 2,462,802, Feb. 22.
- Holder for fastener elements. K. A. Swanstrom and B. C. Sandemar. 2,477,429, July 26.
- Holder for flatirons. C. A. Crusell. 2,469,866, May 10.
- Holder for fluorescent lamps, Lamp. C. H. Hodgkins. 2,459,647, Jan. 18.
- Holder for fruit and vegetables. F. T. Chensky. 2,485,035, Oct. 18.
- Holder for gaseous discharge lamps. E. R. Kulka. 2,464,643, Mar. 15.
- Holder for grinding profiles, Work. H. E. Tresidder. 2,480,618, Aug. 30.
- Holder for junction boxes, Cable. R. J. Bottoni. 2,491,157, Dec. 13.
- Holder for key chains. H. J. Modrey. 2,465,328, Mar. 22.
- Holder for letter openers and shears, Desk set. N. Fulton. 2,491,307, Dec. 13.
- Holder for manifolding typewriters, Carbon paper. J. C. Doyle. 2,460,683, Feb. 1.
- Holder for paper containers. W. E. Amberg. 2,483,168, Sept. 27.
- Holder for paper cups. W. E. Amberg. 2,483,166, Sept. 27.
- Holder for paper cups. W. E. Amberg. 2,487,014, Nov. 1.
- Holder for paper cups. W. E. Amberg and B. F. Alm. 2,486,907, Nov. 1.
- Holder for paper cups. G. C. Johnson and A. A. Perelman. 2,487,712, Nov. 8.
- Holder for phonograph records. I. Wisner. 2,463,450, Mar. 1.
- Holder for photographic enlargers, Film. W. D. Thompson. 2,461,668, Feb. 15.
- Holder for piezoelectric crystals and the like. H. M. Bacs. 2,486,547, Nov. 1.
- Holder for potatoes, fruits, and the like, Grating. H. Wiur. 2,488,362, Nov. 15.
- Holder for pressing machines, Cover. M. Spicer, Jr. 2,460,953, Feb. 8.
- Holder for printing presses, Type. F. B. Jorgensen. 2,491,267, Dec. 13.
- Holder for processing photographic pack and sheet films. S. Jenkins. 2,489,892, Nov. 29.
- Holder for projector enlargers and cameras, Lens. J. M. Peters. 2,469,781, May 10.
- Holder for rolled material. C. A. Laystrom and H. R. Sigler. 2,486,607, Nov. 1.
- Holder for screw drivers, Screw. C. B. Shreve. 2,484,655, Oct. 11.
- Holder for small articles, Sanitary. L. A. Casnati. 2,471,308, May 24.
- Holder for sportsmen, Lubricant. L. L. Reckler. 2,490,650, Dec. 6.
- Holder for surgical drills, Modified bone screw. J. H. Glesen. 2,472,103, June 7.
- Holder for tape dispensers, Roll. H. H. Hillmer. 2,466,950, Apr. 12.
- Holder for telephones, Pencil. M. J. West. 2,484,363, Oct. 11.
- Holder for the carbon brushes of rotary electrical machines. J. A. C. Malchus. 2,482,921, Sept. 27.
- Holder for the ends of tubes. C. N. Deverall. 2,465,677, Mar. 29.
- Holder for thermionic valves and like electrical devices and securing it to supports. G. Wagstaff. 2,461,487, Feb. 8.
- Holder for thermionic valves and the like and securing them to apertured supports. G. Wagstaff. 2,464,778, Mar. 15.
- Holder for tool grinders, Work. J. D. Faudree. 2,460,078, Jan. 25.
- Holder for use in grinding and polishing lenses, Work. A. Seidner. 2,491,219, Dec. 13.
- Holder for use in reclaiming broken cutting tools. J. Hengstler. 2,464,574, Mar. 15.
- Holder for vehicle bodies, Detachable. W. H. Gottshall. 2,478,578, Aug. 9.
- Holder for vehicles, Electromagnetic hill. H. Nissen. 2,472,544, June 7.
- Holder for wallpaper cleaner. J. A. Johnson. 2,475,027, July 5.
- Holder for watch movements. E. A. Clark. 2,464,375, Mar. 15.
- Holder for weft replenishing looms, Pneumatic thread. B. G. Turner. 2,457,954, Jan. 4.
- Holder for weft replenishing looms, Pneumatic thread. B. G. Turner. 2,460,611, Feb. 1.
- Holder for weft replenishing looms, Pneumatic thread. B. G. Turner. 2,471,847, May 31.
- Holder having recessed rotatable side members, Sign. J. H. Stokes. 2,460,154, Jan. 25.
- Holder of the wire for electric laundry irons. H. Maindal. 2,483,834, Oct. 4.
- Holder or guide, File. W. G. Shearer. 2,482,695, Sept. 20.
- Holder or hanger, Portable garment. G. F. Wiggins. 2,470,879, May 24.
- Holder or money container, Portable coin. P. V. Shackell. 2,490,482, Dec. 6.
- Holder or reel for strip-processing lines, Coil. W. O. Jones. 2,464,932, Mar. 22.
- Holder or stretcher, Shoe. F. R. Smith. 2,476,462, July 19.
- Holder or the like, Handbag. M. W. Mettenleiter. 2,461,071, Feb. 8.
- Holder or the like, Refuse bag. B. S. Kelrick. 2,452,973, Mar. 1.
- Holder to facilitate carving, Meat. J. Bloecher. 2,464,114, Mar. 8.
- Holder with base and standard, Sign. J. R. Edwards. 2,459,928, Jan. 25.
- Holder with four-pin cup, Lipstick. H. Broder. 2,469,631, May 10.
- Holder with safety lock, Plate. M. Schwartz and W. Castedello. 2,462,683, Feb. 22.
- Holder with screw feed type adjusting means, Crayon. W. D. Mease. 2,492,877, Dec. 27.
- Holding and mounting device for electric light sockets. H. A. M. and G. E. Conroy. 2,482,656, Sept. 20.
- Holding attachment for automobiles, Spring. W. J. Bobek and F. W. Wohlfield. 2,459,989, Jan. 25.
- Holding device. W. Petty. 2,461,440, Feb. 8.
- Holding device. G. R. Wadleigh. 2,468,249, Apr. 26.
- Holding device. H. C. Warner. 2,464,625, Mar. 15.
- Holding device, Bag. E. B. Potter. 2,468,637, Apr. 26.
- Holding device, Fish pole. B. T. Fong. 2,466,801, Apr. 12.
- Holding device for electric cables. E. D. Stoyer. 2,466,504, Apr. 5.
- Holding device for electric dry batteries. B. Gelardin. 2,476,722, July 19.
- Holding device for poultry and the like. C. R. Siegrist. 2,485,929, Oct. 25.
- Holding device for voice receivers. M. K. Willey. 2,481,271, Sept. 6.
- Holding device, Ice-cream receptacle. J. B. Clower. 2,458,060, Jan. 4.
- Holding device, Sheet. A. C. Gannon. 2,482,058, Sept. 13.
- Holding device, Work. A. F. Enrich. 2,457,811, Jan. 4.
- Holding element for hub collars. J. E. McCloskey. 2,470,179, May 17.
- Holding means for bed sheets. M. P. Palsson. 2,484,582, Oct. 11.
- Holding means for cartons, Flap. S. K. Smart. 2,467,702, Apr. 19.
- Holding tool. S. P. Rogers. 2,460,470, Feb. 1.
- Hole clamp. F. L. Purcell. 2,487,273, Nov. 8.
- Hole saw, Adjustable. L. A. Smith. 2,482,439, Sept. 20.
- Hollow article and method and apparatus for producing the same. D. G. Rempel. 2,469,892, May 10.
- Hollow articles of bonded fibrous laminae, Manufacturing. B. Jablonsky. 2,477,375, July 26.
- Hollow bowling pin. H. A. C. Brinkmann. 2,487,218, Nov. 8.
- Hollow educational block. W. R. McLain. 2,492,922, Dec. 27.
- Hollow molding and receptacle, Demountable. E. I. Ginther. 2,484,992, Oct. 18.
- Homing mechanism for cash registers and accounting machines. W. Homan. 2,475,666, July 12.
- Homogeneous gaseous phase catalytic alkylation of isobutane with cyclopropane. W. A. Stover. 2,469,344, May 3.
- Homogenizer, Centrifugal. P. M. Travis and M. K. Tudor. 2,491,231, Dec. 13.
- Hone, Crankpin. P. G. Pirwitz. 2,491,578, Dec. 20.
- Hone for double-edged razor blades. H. G. Ashworth. 2,467,650, Apr. 19.
- Hone for reconditioning cutters in pencil sharpeners. W. H. Fryar. 2,462,176, Feb. 22.
- Honing and stropping mechanism, Razor. C. Romano and F. Schmid. 2,471,355, May 24.
- Honing machine. F. P. Hegeman. 2,479,112, Aug. 16.
- Honing machine, Bench type. W. F. Mitchell. 2,483,590, Oct. 4.
- Honing or the like machine. F. W. Whitehead and W. G. Lovering. 2,461,948, Feb. 15.
- Honing tool. P. R. Gjertsen. 2,483,997, Oct. 4.
- Hood and coil arrangement for induction furnaces. H. A. Strickland, Jr. 2,490,107, Dec. 6.
- Hood control, Automatic welder's. W. S. Broffitt. 2,471,719, May 31.
- Hood, Electric. E. B. Ripley. 2,460,433, Feb. 1.
- Hood for gas valves. E. H. Muehler. 2,469,074, May 3.
- Hood for motor vehicles and the like, Folding. J. H. Orr. 2,459,089, Jan. 11.
- Hood for suction cleaners and the like. R. C. Osborn. 2,475,400, July 5.
- Hood for vehicles, Foldable. M. Bessonneau. 2,479,599, Aug. 23.
- Hood-forming machine for hat-making, Automatic. M. Cassé. 2,474,971, July 5.
- Hood, Head covering. M. V. Carlson. 2,484,269, Oct. 11.
- Hood latch. A. Claud-Mantle. 2,492,683, Dec. 27.
- Hood structure for aircraft engine turbosuperchargers. W. A. Clegern. 2,465,846, Mar. 29.
- Hood, Welder's. F. D. Dalston. 2,482,209, Sept. 20.
- Hood, Welding. E. E. Rohlf. 2,487,183, Nov. 8.

- Hook: See—
 Automatically self-releasing aircraft landing hook.
 Coupler hook.
 Crochet hook.
 Door hook.
 Fireman's hook.
 Fishing hook.
 Gaff hook.
 Hoist hook.
 Hoisting hook.
 Hook. A. H. Hachette. 2,480,923, Sept. 6.
 Hook. G. L. Sherwood. 2,487,388, Nov. 8.
 Hook. R. W. Tate. 2,470,878, May 24.
 Hook and line holder. C. E. Wenck. 2,474,176, June 21.
 Hook and link assembly. Butt. W. B. Kirby and E. V. Hill. 2,490,218, Dec. 6.
 Hook cap for clothes poles. B. A. P. Guy. 2,486,276, Oct. 25.
 Hook device, Picture. M. M. Eysmann. 2,478,256, Aug. 9.
 Hook for aircraft, Stabilized pickup. J. W. Griesinger and L. V. Larson. 2,487,798, Nov. 15.
 Hook for garment hangers. B. Hess. 2,476,730, July 19.
 Hook for heavy containers, Lifting. D. L. Harker. 2,478,192, Aug. 9.
 Hook means for fish lure, Releasable. S. E. Robbins and F. L. Larson. 2,459,288, Jan. 18.
 Hook or hanger. J. C. Brown. 2,490,994, Dec. 13.
 Hookup for towing airplanes, Aerial. W. C. Lazarus, R. H. Paul, and J. B. Rishel. 2,480,145, Aug. 30.
 Hooks, Manufacture of snap. A. L. McKinnon. 2,459,735, Jan. 18.
 Hop and leaf separator. A. E. Oslund. 2,473,215, June 14.
 Hopper construction. I. J. Kuert and B. M. Craig. 2,477,066, July 26.
 Hopper for truck mixers, Charging. R. M. Henderson and J. C. Ten Eyck. 2,489,885, Nov. 29.
 Hopper trap. R. Linington. 2,486,301, Oct. 25.
 Hops treatment. G. Segal. 2,473,395, June 14.
 Horizon gyro. B. G. Carlson. 2,467,254, Apr. 12.
 Horizon, Gyroscopic artificial. E. F. Aumuller. 2,485,552, Oct. 25.
 Horn, Electrically operable. R. H. Purden. 2,480,261, Aug. 30.
 Horn, Electromagnetic. W. L. Barrow. 2,467,578, Apr. 19.
 Horn for can body sideseamers, Solder. E. Laxo. 2,491,616, Dec. 20.
 Horn, French. C. F. Hubley. 2,484,408, Oct. 11.
 Horn novelty, Candy containing. J. H. Millstein. 2,490,368, Dec. 6.
 Horse, Rocking. J. Ransom. 2,474,114, June 21.
 Horseshoe. G. L. Bell. 2,466,074, Apr. 5.
 Horseshoe ring box. S. Trachtenberg. 2,464,161, Mar. 8.
 Hose. R. G. Bringolf. 2,486,387, Nov. 1.
 Hose. A. E. Chernack. 2,475,591, July 12.
 Hose. H. J. Hersey, Jr. 2,475,389, July 5.
 Hose. P. K. Saunders. 2,471,081, May 24.
 Hose clamp. D. M. Buffington. 2,473,092, June 14.
 Hose clamp. J. T. King. 2,462,976, Mar. 1.
 Hose clamp. R. G. Krasberg. 2,459,436, Jan. 18.
 Hose clamp. W. G. Ovens and J. W. McCrea. 2,472,172, June 7.
 Hose clip. K. E. Bergstrom. 2,487,296, Nov. 8.
 Hose connection, Flexible metal. S. Guarnaschelli. 2,473,879, June 21.
 Hose connector and valve. O. L. Garrettson. 2,473,704, June 21.
 Hose coupling. K. Doerr. 2,481,730, Sept. 13.
 Hose coupling. R. J. Hallisy. 2,485,049, Oct. 18.
 Hose coupling. L. A. Lamb. 2,460,833, Feb. 8.
 Hose coupling. C. E. Lang. 2,490,363, Dec. 6.
 Hose coupling. W. MacWilliam. 2,468,338, Apr. 26.
 Hose coupling. P. C. McLean. 2,470,359, May 17.
 Hose coupling. W. A. Melsom. 2,477,193, July 26.
 Hose coupling. G. K. Mazingo. 2,461,074, Feb. 8.
 Hose coupling. J. A. Muller. 2,473,441, June 14.
 Hose coupling valve. Z. A. Twardowski. 2,458,809, Jan. 11.
 Hose end. R. A. Mentel. 2,463,293, Mar. 1.
 Hose end. F. J. Raybould. 2,460,653, Feb. 1.
 Hose end assembly. F. J. Raybould. 2,464,416, Mar. 15.
 Hose fitting mechanism. J. G. Dahlem. 2,461,312, Feb. 8.
 Hose forming machine. R. F. Beidle. 2,491,152, Dec. 13.
 Hose protector. L. H. Swetnam. 2,459,853, Jan. 25.
 Hose reel. C. B. Hannay. 2,490,353, Dec. 6.
 Hose reel. W. H. Mackey and J. E. Johansen. 2,463,192, Mar. 1.
 Hose, Steam. J. M. Flounders. 2,461,594, Feb. 15.
 Hose supporter, Maternity. E. M. Witous. 2,484,978, Oct. 18.
 Hosiery. H. Mayer. 2,484,522, Oct. 11.
 Hosiery and making same, Circular knit. H. N. Sheppard. Re. 23,094, Mar. 22.
 Hosiery and making the same, Seamless. L. W. Gottschalk. 2,474,894, July 5.
 Hosiery drier. S. Pikor. 2,490,322, Dec. 6.
 Hosiery, Dyeing nylon. L. F. Ryan. 2,480,775, Aug. 30.
 Hosiery, Knitting. R. H. Lawson. 2,475,845, July 12.
 Hosiery, Manufacture of knitted. M. C. Miller. 2,489,658, Nov. 29.
 Hosiery support. H. R. and H. S. Hansen. 2,467,380, Apr. 19.
 Hosiery, The treatment of. A. Mellor, R. J. Mann, D. Finlayson, and A. W. Morledge-Hadfield. 2,478,975, Aug. 16.
 Hot-air furnace. R. W. De Lancey. 2,483,489, Oct. 4.
 Hot-air gas heater. A. W. Becker. 2,476,579, July 19.
 Hot box indicator. R. M. Bilman and H. F. Hotchkiss. 2,471,571, Aug. 2.
 Hot cathode grid control gas tube. E. K. Smith. 2,489,938, Nov. 29.
 Hot dog machine. A. E. Aff. 2,474,390, June 28.
 Hot gas apparatus comprising a heater surrounding the hot chamber. W. H. Stigter. 2,464,900, Mar. 22.
 Hot journal detecting apparatus. J. C. McCune. 2,464,985, Mar. 22.
 Hot melt coating composition. M. Salo and H. F. Vivian. 2,481,687, Sept. 13.
 Hot top blocking. B. F. Anthony. 2,467,649, Apr. 19.
 Hot top blocking. L. J. Garms. 2,462,260, Feb. 22.
 Hot top for large molds, Sectional. E. Marburg. 2,465,977, Mar. 29.
 Hot-water automatic vent valve. P. L. Mikeska. 2,467,217, Apr. 12.
 Hot-water boiler. D. Vandal. 2,482,992, Sept. 27.
 Hot-water heater. F. G. Hodsdon. 2,467,749, Apr. 19.
 Hot-water heater. C. A. Linden. 2,467,837, Apr. 19.
 Hour-increment hour hand setting mechanism. J. P. Graef. 2,461,599, Feb. 15.
 House and yard, Portable chicken. R. G. Clark. 2,474,932, July 5.
 House heating boiler. J. B. Detwiler. 2,478,687, Aug. 9.
 House, Poultry. P. De Jongh. 2,471,675, May 31.
 House wiring circuit. C. R. Cook. 2,477,862, Aug. 2.
 Housing, Axle. L. R. Buckendale. 2,477,576, Aug. 2.
 Housing, Axle. L. R. Buckendale. 2,480,833, Sept. 6.
 Housing, Bus bar. W. M. Scott, Jr. 2,469,445, May 10.
 Housing, Coin mechanism. R. F. Broussard and L. D. Sollenberger. 2,483,805, Oct. 4.
 Housing, Collapsible. M. F. Owens. 2,485,914, Oct. 25.
 Housing construction, Twin-motor bearing. E. O. Mueller. 2,476,892, July 19.
 Housing, Detachable thermocouple. H. S. Cummins. 2,480,557, Aug. 30.
 Housing, Electrostatic condenser. H. L. Seiden. 2,479,872, Aug. 23.
 Housing for combines, Nonvacuum cylinder. G. C. Peterson. 2,487,941, Nov. 15.
 Housing for electrical switches. R. Popp. 2,459,837, Jan. 25.
 Housing for gas burner grills, Safety. J. Myklatiuk. 2,462,537, Feb. 22.
 Housing for ignition coils and filters, Shielded. E. C. Hallett. 2,462,490, Feb. 22.
 Housing for instruments. C. Anderson. 2,463,844, Mar. 8.
 Housing for oil burners. E. C. Stauffer. 2,460,370, Feb. 1.
 Housing for signal and communication apparatus. E. W. Breisch. 2,467,110, Apr. 12.
 Housing, Handle switch. C. W. Lanter. 2,482,676, Sept. 20.
 Housing, High-tension terminal. C. M. Peterson. 2,488,065, Nov. 15.
 Housing joint. J. E. Whitfield. 2,460,957, Feb. 8.
 Housing, Lamp. J. Briskin. 2,477,957, Aug. 2.
 Housing, Land mine. W. S. Catherwood, Jr. 2,475,008, July 5.
 Housing member, Convolute axle. L. R. Buckendale. 2,478,180, Aug. 9.
 Housing, Prefabricated refrigerator. P. Maniscalco. 2,476,501, July 19.
 Housing unit, Portable. J. C. Thomas. 2,469,752, May 10.
 Housing with selectable filters, Photo tube. M. H. Sweet. 2,484,323, Oct. 11.
 Hub, Adapter. C. J. Hahn. 2,487,128, Nov. 8.
 Hub and associated blades, Propeller. J. H. Sheets and M. E. Cushman. 2,460,910, Feb. 8.
 Hub assembly for controllable pitch propellers. H. H. Roby. 2,464,991, Mar. 22.
 Hub, Chart. G. E. Nicholson and J. B. McGay. 2,483,427, Oct. 4.
 Hub member for swivel chairs. M. Fox. 2,464,300, Mar. 15.
 Hub-mounted wheel wrench. J. J. Morsch. 2,459,672, Jan. 18.
 Hull, Boat. M. A. Hall. 2,461,819, Feb. 15.
 Hull construction. H. H. Garment. 2,488,183, Nov. 15.
 Hull, Speedboat. R. L. Harvey. 2,474,667, June 28.
 Huller with circular cutting blades, Nut. F. C. Gullo. 2,464,308, Mar. 15.
 Humane tail set. C. C. Turner. 2,484,766, Oct. 11.
 Humbucking arrangement for magnetic transducers. C. W. Clapp. 2,483,123, Sept. 27.
 Humidifier. H. E. Gibson. 2,481,738, Sept. 13.
 Humidifier for air-heating furnaces. A. R. Di Petta. 2,458,064, Jan. 4.
 Humidifier installation, Furnace. J. W. Galloway. 2,480,641, Aug. 30.
 Humidifier, Rotary actuated. F. P. Levy. 2,465,890, Mar. 29.
 Humidifier, Spinning bucket compartment. H. D. Haley. 2,484,882, Oct. 18.
 Humidifying air-heating furnace. C. C. Cohee. 2,482,964, Sept. 27.

- Humidity control in aircraft air conditioning. S. K. Andersen. 2,485,522, Oct. 18.
- Humidity control system. C. W. Kuhn. 2,485,894, Oct. 25.
- Humidor, Cigarette. E. C. Bently and W. L. Reese. 2,458,135, Jan. 4.
- Humidostatic element. H. Wohrer. 2,469,537, May 10.
- Husking roll. A. J. Garvey. 2,464,974, Mar. 22.
- Husking roll with resilient section, Corn harvester. R. C. Ferguson. 2,469,687, May 10.
- Hyaluronidase, Preparation of. H. O. Singher and H. Styles. 2,488,564-5, Nov. 22.
- Hydantoins and obtaining the same. L. M. Long. 2,466,177, Apr. 5.
- Hydrant indicating and operating device. N. H. Rand. 2,467,908, Apr. 19.
- Hydration of olefins. F. E. Frey. 2,457,882, Jan. 4.
- Hydration of olefins. F. E. Frey. 2,484,702, Oct. 11.
- Hydraulic action center gauge. C. O. Hanson. 2,481,420, Sept. 6.
- Hydraulic apparatus. C. E. Adams. 2,464,283, Mar. 15.
- Hydraulic apparatus. C. R. Adams. 2,470,086, May 17.
- Hydraulic apparatus. C. E. Adams and E. H. Born. 2,489,069, Nov. 22.
- Hydraulic apparatus. A. C. D'Arcey. 2,468,489, Apr. 26.
- Hydraulic apparatus. F. J. Wright. 2,465,954, Mar. 29.
- Hydraulic apparatus. F. J. Wright. 2,480,069, Aug. 23.
- Hydraulic baling press. S. M. Martin. 2,476,672, July 19.
- Hydraulic barkers. F. H. Swift. 2,480,889, Sept. 6.
- Hydraulic booster, Dual or multiple acting. H. S. Bishop. 2,476,651, July 19.
- Hydraulic brake. D. G. Perry. 2,479,133, Aug. 16.
- Hydraulic brake. E. Stewart. 2,480,270, Aug. 30.
- Hydraulic check. R. O. Balogh. 2,483,517, Oct. 4.
- Hydraulic circuit. W. Ernst. 2,481,991, Sept. 13.
- Hydraulic circuit. M. W. Huber. 2,461,279, Feb. 8.
- Hydraulic clutch. J. A. Bascle. 2,482,313, Sept. 20.
- Hydraulic clutch. L. A. Dickens. 2,475,700, July 12.
- Hydraulic connector. D. W. Main. 2,485,976, Oct. 25.
- Hydraulic control apparatus for machine tools. R. A. Schafer and R. B. Rodal. 2,486,988, Nov. 1.
- Hydraulic control valve. W. W. Sloane. 2,475,298, July 5.
- Hydraulic coupling. J. G. Lindeman. 2,460,137, Jan. 25.
- Hydraulic coupling, friction clutch, and friction brake. W. F. Shurts. 2,466,616, Apr. 5.
- Hydraulic die. A. Leutheuser. 2,490,695, Dec. 6.
- Hydraulic drive. J. K. Douglas. 2,465,212, Mar. 22.
- Hydraulic fishing tool. J. A. Armitage. 2,474,453, June 28.
- Hydraulic flow valve. T. R. Smith. 2,475,206, July 5.
- Hydraulic fluid, Nondammable. K. E. Walker. 2,462,694, Feb. 22.
- Hydraulic fuse valve. R. B. Sprague and S. G. Nevius. 2,478,211, Aug. 9.
- Hydraulic jack. H. A. Lightburn. 2,466,815, Apr. 12.
- Hydraulic jack. J. J. Mueller. 2,464,254, Mar. 15.
- Hydraulic jack. S. V. Noble. 2,471,770, May 31.
- Hydraulic jack. F. H. Schwerin. 2,458,744, Jan. 11.
- Hydraulic jack. M. Simart. 2,490,284, Dec. 6.
- Hydraulic jack. H. A. Thorndike. 2,472,867, June 14.
- Hydraulic mechanism. F. T. Court. 2,482,249, Sept. 20.
- Hydraulic mechanism. P. C. Temple. 2,483,856, Oct. 4.
- Hydraulic motor control circuit. R. B. Pettibone. 2,476,763, July 19.
- Hydraulic motor having spring actuated radially sliding vanes, Rotary. V. J. and L. V. Devine. 2,486,467, Nov. 1.
- Hydraulic operating valve. A. Crot. 2,466,795, Apr. 12.
- Hydraulic-pneumatic system. H. H. Manning. 2,490,823, Dec. 13.
- Hydraulic power device having synchronizing means. C. D. Watson. 2,487,402, Nov. 8.
- Hydraulic power transmission with bypass flow control valve. W. Brown. 2,487,520, Nov. 8.
- Hydraulic press. D. Cross. 2,491,551, Dec. 20.
- Hydraulic press. F. C. Wilson. 2,472,390, June 7.
- Hydraulic pump. O. W. Bonnaffe. 2,465,510, Mar. 29.
- Hydraulic pump. A. H. Dall. 2,492,687, Dec. 27.
- Hydraulic pump. P. Haahr. 2,472,529, June 7.
- Hydraulic pump. H. A. W. Petersen. 2,481,613, Sept. 13.
- Hydraulic pump. R. H. Shepard. 2,467,916, Apr. 19.
- Hydraulic pump. B. F. Snyder. 2,490,484, Dec. 6.
- Hydraulic pump. L. R. Williamson. 2,484,439, Oct. 11.
- Hydraulic ram. J. A. Celenza. 2,487,920, Nov. 15.
- Hydraulic steering gear. P. E. Forsythe. 2,479,063, Aug. 16.
- Hydraulic system. C. R. Alden. 2,460,440, Feb. 1.
- Hydraulic system. R. B. Cotton. 2,488,525, Nov. 22.
- Hydraulic system. W. C. Trautman. 2,467,508-9, Apr. 19.
- Hydraulic system. W. R. Tucker. 2,491,492, Dec. 13.
- Hydraulic system for actuating brakes. F. C. Frank and W. H. Du Bois. 2,466,224, Apr. 5.
- Hydraulic system for controlling the operation of rotary hydraulic motors. R. K. Jeffrey. 2,461,116, Feb. 8.
- Hydraulic system for self-loading trucks. A. Lankovski and M. Graves. 2,470,778, May 24.
- Hydraulic system for unloading large capacity pumps. J. M. and F. H. Towler. 2,475,413, July 5.
- Hydraulic system for unloading large capacity pumps. J. M. and F. H. Towler. 2,475,414, July 5.
- Hydraulic system for vehicle jacks. M. D. Hall. 2,472,294, June 7.
- Hydraulic system for vehicle steering and other apparatus. F. J. Wright. 2,464,110, Mar. 8.
- Hydraulic system, High-pressure. D. H. Newhall. 2,463,552, Mar. 8.
- Hydraulic system, Single-line. N. D. Owen. 2,482,792, Sept. 27.
- Hydraulic system utilizing flow dividers. L. Zimmermann. 2,467,576, Apr. 19.
- Hydraulic transmission. B. F. Gregory. 2,484,220, Oct. 11.
- Hydraulic transmission. C. J. Jendresen. 2,466,431, Apr. 5.
- Hydraulic transmission, Positive displacement. C. W. Cochran. 2,484,015, Oct. 11.
- Hydraulic unit. W. D. Tipton. 2,486,690, Nov. 1.
- Hydraulic valve. A. L. Lee. 2,483,651, Oct. 4.
- Hydraulic valve. L. A. Majneri. 2,459,664, Jan. 18.
- Hydraulic valve. F. J. Wright. 2,486,087, Oct. 25.
- Hydraulically-actuated apparatus. A. G. Henly and V. W. J. Prince. 2,492,477, Dec. 27.
- Hydraulically checked escape reel. H. H. Jackson. 2,479,116, Aug. 16.
- Hydraulically driven fishing reel. J. T. King. 2,462,975, Mar. 1.
- Hydraulically operated brake valve. C. Hollerith. 2,474,738, June 28.
- Hydrazine derivatives of pyridazine compounds. M. Hartmann and J. Druey. 2,484,029, Oct. 11.
- Hydrazonitriles from azines of butyle ketones, Preparation of. W. L. Alderson, Jr., and J. A. Robertson. 2,469,358, May 10.
- Hydrocarbometallic halides, Preparing. R. V. Lindsey, Jr. 2,473,434, June 14.
- Hydrocarbon, Chlorinated. M. A. Perkins. 2,485,507, Oct. 18.
- Hydrocarbon composition, Thermoplastic. W. J. Sparks, A. H. Gleason, and P. K. Frolich. 2,477,316, July 26.
- Hydrocarbon compositions and petroleum distillates, Modified. S. Shappirio. 2,458,535, Jan. 11.
- Hydrocarbon conversion. E. V. Bergstrom. 2,477,281, July 26.
- Hydrocarbon conversion. J. A. Crowley, Jr. 2,464,489, Mar. 15.
- Hydrocarbon conversion. R. J. Moore and B. S. Greensfelder. 2,475,358, July 5.
- Hydrocarbon conversion. A. H. Schutte. 2,482,139, Sept. 20.
- Hydrocarbon conversion. A. H. Schutte. 2,482,140, Sept. 20.
- Hydrocarbon conversion apparatus. E. V. Bergstrom. 2,480,625, Aug. 30.
- Hydrocarbon conversion in presence of silica-magnesia catalyst. G. C. Connolly. 2,485,260, Oct. 18.
- Hydrocarbon conversion, Method and apparatus for fluid. F. E. Ray. 2,459,096, Jan. 11.
- Hydrocarbon conversion process. D. R. Carmody. 2,458,977, Jan. 11.
- Hydrocarbon conversion process. D. R. Carmody. 2,490,578, Dec. 6.
- Hydrocarbon conversion process. L. P. Evans. 2,487,794-6, Nov. 15.
- Hydrocarbon conversion process. J. W. Moorman. 2,465,255, Mar. 22.
- Hydrocarbon conversion process. N. E. Peery. 2,470,263, May 17.
- Hydrocarbon conversion process, High-temperature. S. C. Eastwood. 2,460,219, Jan. 25.
- Hydrocarbon conversion reactions, Recovery of products of. M. H. Gorin and W. Swerdloff. 2,462,384, Feb. 22.
- Hydrocarbon conversion system. B. L. Evering and E. L. d'Ouille. 2,468,549, Apr. 26.
- Hydrocarbon conversion system, Moving bed. R. E. Bland. 2,490,774, Dec. 13.
- Hydrocarbon conversion with a pretreated kaolin clay catalyst. H. A. Shabaker, G. A. Mills, and R. C. Denson. 2,466,051, Apr. 5.
- Hydrocarbon conversion with a pretreated montmorillonite clay catalyst. H. A. Shabaker, G. A. Mills, and R. C. Denson. 2,466,050, Apr. 5.
- Hydrocarbon conversion with fluidized catalyst. T. B. Kimball. 2,472,537, June 7.
- Hydrocarbon conversion with steam-treated kaolin. H. A. Shabaker. 2,474,868, July 5.
- Hydrocarbon conversions. W. H. Shiffer and W. H. Claussen. 2,485,073, Oct. 18.
- Hydrocarbon cracking catalyst and process. G. M. Webb and R. W. Moehl. 2,484,258, Oct. 11.
- Hydrocarbon dehydrogenation process using hydrogen as a process gas and carbon dioxide as a stripping medium. H. W. Grote. 2,477,740, Aug. 2.
- Hydrocarbon fluids, Treating. L. S. Bonnell. 2,461,958, Feb. 15.
- Hydrocarbon fractionating. G. W. Gross. 2,469,724, May 10.
- Hydrocarbon mixtures, Purification of unsaturated. H. L. Yowell and M. W. Swaney. 2,460,056, Jan. 25.
- Hydrocarbon oil concentrates of metal sulfonates, Producing. G. W. Duncan and J. C. Zimmer. 2,459,995, Jan. 25.
- Hydrocarbon oil, Refining. B. K. Engel and F. T. E. Palmqvist. 2,459,419, Jan. 18.
- Hydrocarbon oil with catalysts, Process and apparatus for the treatment of. A. D. Smith. 2,461,932, Feb. 15.

- Hydrocarbon oils, Cracking. H. Beuther. 2,470,680, May 17.
- Hydrocarbon oils, Refining. E. E. Langan, N. E. Lemmon, and F. W. Schuessler. 2,472,217, June 7.
- Hydrocarbonoxymethyl trifluoromethyl benzenes. E. T. McBee, R. O. Bolt, and R. Tebbe. 2,471,829, May 31.
- Hydrocarbonoxymethyl (trifluoromethyl)-benzene synthesis. E. T. McBee, R. O. Bolt, and R. Tebbe. 2,471,830, May 31.
- Hydrocarbon polymerization products and making and using the same. B. L. Ritz and H. L. Johnson. 2,476,064, July 12.
- Hydrocarbon polymers. W. J. Sparks and R. M. Thomas. 2,476,000, July 12.
- Hydrocarbon resin and resin compositions, Hydrogenated. F. J. Soday. 2,468,414, Apr. 26.
- Hydrocarbon resins and products thereof, Treatment of. F. J. Soday. 2,461,004, Feb. 8.
- Hydrocarbon resins, Production of. W. K. Griesinger. 2,468,822, May 3.
- Hydrocarbon separation by azeotropic distillation. A. C. McKinnis. 2,461,993, Feb. 15.
- Hydrocarbon solvents, Purification of halogenated. J. B. Lovell and M. C. Fuqua. 2,467,394, Apr. 19.
- Hydrocarbon substituted halogenosilanes, Preparation. D. T. Hurd. 2,466,429, Apr. 5.
- Hydrocarbon-substituted halogenosilanes, Preparation of. E. G. Rochow. 2,483,373, Sept. 27.
- Hydrocarbon-substituted halosilanes, Preparation. W. F. Gilliam and R. N. Meals. 2,466,412-13, Apr. 5.
- Hydrocarbon-substituted silyl methane compounds. R. O. Sauer. 2,491,833, Dec. 20.
- Hydrocarbon synthesis. F. T. Barr. 2,467,802, Apr. 19.
- Hydrocarbon synthesis. F. T. Barr. 2,475,214, July 5.
- Hydrocarbon synthesis. R. A. Beck, E. E. Sensel, and A. J. Millendorf. 2,464,480, Mar. 15.
- Hydrocarbon synthesis. L. I. Griffin, Jr. 2,468,494, Apr. 26.
- Hydrocarbon synthesis. P. C. Keith. 2,472,377, June 7.
- Hydrocarbon synthesis. E. A. Johnson and S. B. Becker. 2,460,508, Feb. 1.
- Hydrocarbon synthesis. T. C. Main. 2,459,444, Jan. 18.
- Hydrocarbon synthesis. H. G. Vesterdal. 2,471,129, May 24.
- Hydrocarbon synthesis. B. R. Warner. 2,467,282, Apr. 12.
- Hydrocarbon synthesis catalyst. S. G. Stewart. 2,490,488, Dec. 6.
- Hydrocarbon synthesis catalyst, Preparation and regeneration of a. G. H. Walden, J. A. Pierce, and M. A. Segura. 2,488,150, Nov. 15.
- Hydrocarbon synthesis catalyst, Regeneration of a. R. C. Gunness. 2,462,861, Mar. 1.
- Hydrocarbon synthesis operation. A. Voorhies, Jr. 2,479,439, Aug. 16.
- Hydrocarbon synthesis process. J. C. Dart and L. B. Smith. 2,489,451, Nov. 29.
- Hydrocarbon synthesis process. H. J. Hibshman. 2,463,875, Mar. 8.
- Hydrocarbon synthesis process and catalyst therefor. S. W. Walker. 2,485,945, Oct. 25.
- Hydrocarbon synthesis process catalyzed by oxidized and reduced iron. A. Voorhies, Jr., and J. J. Owen. 2,483,512, Oct. 4.
- Hydrocarbon synthesis products, Recovery of. P. C. White. 2,476,788, July 19.
- Hydrocarbon synthesis with fluidized catalyst regeneration. E. A. Johnson. 2,472,427, June 7.
- Hydrocarbon-thio-cyclohexenones. J. D. Kendall and F. P. Doyle. 2,465,882, Mar. 29.
- Hydrocarbonaceous materials, Method and retort for the distillation of solid. L. C. Huff. 2,463,693, Mar. 8.
- Hydrocarbons and hydrogen, Production of unsaturated. E. J. Gohr. 2,471,104, May 24.
- Hydrocarbons and the like, Manufacture of. H. V. Rees and C. G. Ludeman. 2,486,879, Nov. 1.
- Hydrocarbons, Catalysis of. J. R. Bates. 2,464,205, Mar. 15.
- Hydrocarbons, Catalytic synthesis of. J. H. Grahame. 2,464,501, Mar. 15.
- Hydrocarbons, Catalytic synthesis of. F. B. Sellers. 2,464,532, Mar. 15.
- Hydrocarbons catalyzed by Friedel-Crafts catalysts modified by boric acid, Production of branched chain. J. M. Mavity. 2,467,326, Apr. 12.
- Hydrocarbons containing neutral organic sulfate, Treatment of. H. S. Bloch and G. L. Hervet. 2,458,049, Jan. 4.
- Hydrocarbons, Conversion of. P. M. Arnold. 2,486,627, Nov. 1.
- Hydrocarbons, Conversion of. O. L. Branson. 2,469,325, May 3.
- Hydrocarbons, Conversion of. A. Clark. 2,467,966, Apr. 19.
- Hydrocarbons, Conversion of. L. P. Evans. 2,469,332, May 3.
- Hydrocarbons, Dehydrogenation of. C. M. Thacker. 2,469,420, May 10.
- Hydrocarbons from oil shale, Recovery of. A. Clark and H. R. Sailors. 2,474,345, June 28.
- Hydrocarbons in the presence of a gaseous diluent, Dehydrogenation of. C. J. G. Leeseemann. 2,461,331, Feb. 8.
- Hydrocarbons, Photochemical chlorination of. J. S. Sconce and A. N. Johnson. 2,459,049, Jan. 11.
- Hydrocarbons, Production of. E. V. Mathy. 2,471,228, May 24.
- Hydrocarbons, Purification of. H. J. Hepp and H. R. Sailors. 2,458,777, Jan. 11.
- Hydrocarbons, Purifying. W. F. Engel. 2,481,300, Sept. 6.
- Hydrocarbons, Recovery of. A. D. Garrison. 2,477,367, July 26.
- Hydrocarbons, Separating. G. L. Gudenrath. 2,468,750, May 3.
- Hydrocarbons, Separation of. F. E. Condon. 2,474,827, July 5.
- Hydrocarbons, Separation of. M. R. Lipkin. 2,459,442, Jan. 18.
- Hydrocarbons, Separation of. J. A. Patterson. 2,461,346, Feb. 8.
- Hydrocarbons, Separation of. A. E. Robertson. 2,475,990, July 12.
- Hydrocarbons, Stabilizing. R. F. Robey. 2,478,710, Aug. 9.
- Hydrocarbons, Synthesis of. W. G. Scharmann. 2,467,861, Apr. 19.
- Hydrocarbons, Synthesizing. S. B. Sweetser. 2,471,914, May 31.
- Hydrocarbons to remove fluorine compounds, Distillation of. E. R. Kanhofer. 2,459,434, Jan. 18.
- Hydrocarbons, Treatment of. P. M. Arnold. 2,471,602, May 31.
- Hydrocarbons, Treatment of. P. M. Arnold. 2,483,869, Oct. 4.
- Hydrocarbons, Treatment of. C. S. Kelley. 2,487,142, Nov. 8.
- Hydrocarbons, Treatment of. W. M. Stratford. 2,470,193, May 17.
- Hydrocarbons, Treatment of. G. M. Webb. 2,463,078, Mar. 1.
- Hydrocarbons, Treatment of. W. W. Weinrich. 2,491,786, Dec. 20.
- Hydrocarbons, Treatment of. G. B. Zimmerman and C. G. Gerhold. 2,463,076, Mar. 1.
- Hydrocarbons with metallic halide-hydrocarbon complex catalysts, Treatment of. W. F. Glassmire, W. R. Smith, N. B. Haskell, and K. A. Danskin. 2,463,610, Mar. 8.
- Hydrocarbonsilicon thiocyanates and articles treated therewith. R. M. Joyce, Jr. 2,485,603, Oct. 25.
- Hydrochlorosilyl addition product with rubber. A. J. Barry, D. E. Hook, and L. De Pree. 2,475,122, July 5.
- Hydrodynamic coupling. P. Orr. 2,466,266, Apr. 5.
- Hydrodynamic coupling. P. Orr. 2,478,306, Aug. 9.
- Hydrodynamic fail safe control, Liquid level responsive. S. J. Levine. 2,468,119, Apr. 26.
- Hydrodynamic flow control, Liquid level responsive. W. A. Schultz. 2,468,118, Apr. 26.
- Hydrodynamic machine. W. Ferris and J. K. Douglas. 2,458,985, Jan. 11.
- Hydrodynamic machine. W. Ferris. 2,484,337, Oct. 11.
- Hydrofluoric acid, Manufacture of. H. C. Kremers and I. E. Johnson. 2,459,438, Jan. 18.
- Hydrofluorination of unsaturated organic compounds. J. D. Calfee and F. H. Bratton. 2,462,359, Feb. 22.
- Hydrofoil depth control. W. M. Ewing and J. L. Worzel. 2,480,561, Aug. 30.
- Hydrogen-carbon monoxide gas mixtures, Producing. E. A. Johnson. 2,482,187, Sept. 20.
- Hydrogen chloride-hydrocarbon mixtures by distillation, Dehydration of. J. W. Latchum, Jr. 2,463,187, Mar. 1.
- Hydrogen chloride manufacture. J. E. Nachod, O. W. Rideout, and J. H. Shapleigh. 2,475,752, July 12.
- Hydrogen cyanide, Preparation of. D. R. Merrill and W. A. Perry. 2,478,875, Aug. 9.
- Hydrogen-donor textile materials and products thereof, Treatment of. A. S. Nyquist and E. L. Kropa. 2,468,716, Apr. 26.
- Hydrogen fluoride-boron trifluoride catalysts, Recovery of. W. F. Gresham. 2,462,739, Feb. 22.
- Hydrogen fluoride composition, Liquid. C. B. Linn. 2,470,175, May 17.
- Hydrogen fluoride from an azeotropic mixture by crystallization, Recovering. C. Alexander. 2,458,044, Jan. 4.
- Hydrogen fluoride, Purification of. R. H. McBride. 2,468,681, Apr. 26.
- Hydrogen fluoride recovery process. J. O. Iverson. 2,468,756, May 3.
- Hydrogen halide from organo-substituted polysiloxanes, Removal of. C. D. Doyle. 2,477,330, July 26.
- Hydrogen peroxide by the partial oxidation of alcohols, Production of. C. R. Harris. 2,479,111, Aug. 16.
- Hydrogen peroxide distillation after removal of organic peroxides. P. L. Kooljman. 2,461,988, Feb. 15.
- Hydrogen peroxide, Vaporizing. A. T. Hawkinson, B. B. Grawlow, and H. E. May. 2,491,732, Dec. 20.
- Hydrogen, Production of. N. F. Kubicek. 2,465,235, Mar. 22.
- Hydrogen sulfide from oils, Removal of. S. P. Cauley. 2,468,701, Apr. 26.
- Hydrogen sulfide, Making. L. Preisman and C. F. Hobson. 2,474,066, June 21.
- Hydrogen tube. H. H. Cary and W. P. Baxter. 2,463,743, Mar. 8.
- Hydrogenating fat. N. W. Ziels and W. H. Schmidt. 2,468,799, May 3.
- Hydrogenation of aryl nitroolefins and products thereof, Selective. C. D. Hurd. 2,483,201, Sept. 27.
- Hydrogenation of furfural. B. W. Howk. 2,487,054, Nov. 8.

- Hydrogenation of hydroperoxides, Catalytic.** E. J. Lorand and J. E. Reese. 2,491,926, Dec. 20.
- Hydrogenation of naphthalene compounds.** D. Papa and E. Schwenk. 2,475,718, July 12.
- Hydrogenation of nitro compounds.** M. Souders, Jr. 2,458,214, Jan. 4.
- Hydrogenation of olefin polymer liquids.** W. M. Smith and R. B. Mason. 2,488,145, Nov. 15.
- Hydrogenation of petroleum oil, Two-stage destructive.** A. Voorhies, Jr., and E. T. Marshall. 2,464,539, Mar. 15.
- Hydrogenation of thiophene compounds.** S. A. Harris, K. Folkers, R. Mozingo and G. E. Arth. 2,487,050, Nov. 8.
- Hydrogenation products of n-phenyl-3,5-diethyl-2-propyldihydropyridine.** D. Craig. 2,479,815, Aug. 23.
- Hydrogenation treatment for hydrocarbon oils, A two-stage.** W. M. Smith. 2,459,465, Jan. 18.
- Hydrokinetic brake.** C. M. O'Leary. 2,491,329, Dec. 13.
- Hydrolysis of fat, Countercurrent.** M. H. Ittner. 2,480,471, Aug. 30.
- Hydrolysis of polyvinyl esters.** H. W. Bryant. 2,481,388, Sept. 6.
- Hydrolyzed cellulose acetate printing plates, Making.** H. C. Staehle and C. F. Amering. 2,484,431, Oct. 11.
- Hydrolyzed interpolymers of ethylene, vinyl acetate and diethyl fumarate.** D. D. Coffman and H. W. Jacobson. 2,480,551, Aug. 30.
- Hydrolyzing chlorosilanes and preparing polysiloxane resins.** H. F. Lamoreaux. 2,483,209, Sept. 27.
- Hydrolyzing vinyl ester polymers.** L. Flambeck, Jr. 2,467,774, Apr. 19.
- Hydrophenanthrene carboxylic acid intermediates.** K. Miescher and G. Anner. 2,459,950, Jan. 25.
- Hydrophilic coagulating surface, Treatment of a.** C. H. Stevenson. 2,477,818, July 26.
- Hydrophilic polycarbonamide photographic silver salt layers.** D. M. McQueen and C. Weaver. 2,465,109, Mar. 22.
- Hydrophilic substance water repellent, Rendering.** A. J. Barry. 2,469,625, May 10.
- Hydrophone.** E. Merten. 2,490,595, Dec. 6.
- Hydropyranil derivatives of hexahydropyrimidines and imidazolidines.** R. R. Whetstone and S. A. Ballard. 2,490,393, Dec. 6.
- Hydropyranil-oxazines, thiazines, oxazolidines and thiazolidines and their preparation.** R. R. Whetstone and S. A. Ballard. 2,490,392, Dec. 6.
- Hydros witch, Shockproof.** W. C. Hasselhorn. 2,479,616, Aug. 23.
- Hydrotherapeutic device, Facial.** T. W. Jeppson. 2,469,771, May 10.
- Hydrous vanadium oxide, Precipitation of.** S. S. Cole, R. L. Holiday, and J. S. Brietenstein. 2,479,905, Aug. 23.
- Hydroxyalkyl alkylenimines and making same.** A. L. Wilson. 2,475,068, July 5.
- Hydroxy alkyl cellulose, Manufacture of.** D. R. Erickson. 2,469,764, May 10.
- Hydroxy alkyl thio succinic acids and esters.** E. S. Blake. 2,477,327, July 26.
- Hydroxyaromatic phosphorus amine-phosphorus sulfide reaction products.** O. M. Rieff and H. J. Andress, Jr. 2,479,407, Aug. 16.
- Hydroxyaryl alicyclic carboxylic acids.** E. Schwenk and D. Papa. 2,469,415, May 10.
- Hydroxycyanothiophane carboxylic acids and esters and preparing same.** B. R. Baker. 2,492,827, Dec. 27.
- Hydroxy, halogen substituted dinaphthyl-methanes.** P. S. Winnek. 2,480,533, Aug. 30.
- Hydroxy-hydrophenanthrene carboxylic acids and esters, Preparation of.** K. Miescher and G. Anner. 2,459,949, Jan. 25.
- Hydroxy hydrophenanthrene carboxylic acids and their esters, Preparing.** K. Miescher, J. Heer, and J. R. Billeter. 2,459,834, Jan. 25.
- Hydroxy organic acids, Separation of.** W. E. Barch. 2,470,841, May 24.
- Hydroxyphenyl alkanolamines.** M. L. Moore and J. R. Corrigan. 2,460,144, Jan. 25.
- Hydroxylammonium salts of organic acids, Preparing.** P. F. Tryon. 2,483,252, Sept. 27.
- Hydroxylating fuel burner.** F. J. M. Raskin. 2,485,656, Oct. 4.
- Hydroxylating pot type burner.** B. Hayter. 2,483,902, Oct. 25.
- Hydroxylation process.** D. Swern, J. T. Scanlan, and T. W. Findley. 2,492,201, Dec. 27.
- Hygrometer.** F. B. Newell and V. E. Matner. 2,481,332, Sept. 6.
- Hygrometer, Dew point.** F. A. Friswold and R. D. Lewis. 2,466,696, Apr. 12.
- Hygrometer, Electric resistance film.** H. W. Cleveland. 2,458,348, Jan. 4.
- Hygrometer, Electrical.** A. R. Low and R. S. Segsworth. 2,466,903, Apr. 12.
- Hygrometric device.** P. A. Hiltz. 2,466,658, Apr. 5.
- Hypnometry.** D. B. Smith. 2,468,691, Apr. 26.
- Hypnotic composition, Animal.** A. G. Fishburn, J. A. Hendry, and J. Francis. 2,478,093, Aug. 2.
- Hysteresis motor.** J. M. Hush. 2,468,295, Apr. 26.
- Ice block releaser.** A. Gazda. 2,468,492, Apr. 26.
- Ice breaker.** A. C. Bennett and W. G. Engler. 2,472,183, June 7.
- Ice cleat unit for engagement on shoes.** E. L. Walker. 2,458,122, Jan. 4.
- Ice-cream container.** A. H. Barasch. 2,492,832, Dec. 27.
- Ice cream machine with perforated screw agitator.** G. H. G. and J. P. C. Espinasse. 2,474,730, June 28.
- Ice-cream mixes, Stabilized.** A. B. Steiner and G. D. Sperry. 2,485,935, Oct. 25.
- Ice drill.** J. W. West. 2,485,123, Oct. 18.
- Ice eliminating system.** D. M. Lawrence. 2,478,492, Aug. 9.
- Ice fishing jack.** L. L. Elsemore. 2,470,610, May 17.
- Ice maker, Automatic.** T. W. Rundell. 2,471,655, May 31.
- Ice making machine, Flake.** F. A. Rigby. 2,490,324, Dec. 6.
- Ice, Manufacture of.** R. Smith-Johannsen and B. Vonnegut. 2,491,837, Dec. 20.
- Ice, Method and apparatus for making.** C. Field. 2,488,529, Nov. 22.
- Ice removing apparatus for aircraft, Indatable.** R. J. Minshall. 2,489,799, Nov. 29.
- Ice shaving machine.** S. Bert. 2,477,474, July 26.
- Ice, Slow-melting.** P. S. Gilchrist, Jr., and W. L. Parrott. 2,490,047, Dec. 6.
- Ice tray.** M. Siebigerroth. 2,466,747, Apr. 12.
- Ice tray grid.** C. R. Carney. 2,477,283-4, July 26.
- Icing and glazing machine for bakery products.** A. L. Spong. 2,482,563, Sept. 20.
- Icing machine, Cake.** G. Reget. 2,481,242, Sept. 6.
- Identification system, Area.** W. J. O'Brien. 2,478,833, Aug. 9.
- Identification system, Area.** W. J. O'Brien. 2,483,558, Oct. 4.
- Identification system, Telephone calling line.** G. Deakin, W. Hatton, and L. A. B. Cabes. 2,471,415, May 31.
- Idle control.** L. Lee, II. 2,465,159, Mar. 22.
- Idler system for phonograph turntable drives.** E. V. Schneider. Re. 23,123, June 14.
- Idling device.** J. R. Campbell. 2,488,171, Nov. 15.
- Igniter.** H. J. D. McCollum. 2,492,755, Dec. 27.
- Igniter and flame detector, Combination.** T. Y. Korsgren. 2,482,551, Sept. 20.
- Igniter and lamp plug.** A. J. Kroll and A. W. Schnick. 2,473,890, June 21.
- Igniter, Diesel starting.** M. G. Fiedler. 2,487,924, Nov. 15.
- Igniter, Electrical.** T. Y. Korsgren and V. N. Tramontini. 2,485,496, Oct. 18.
- Igniter, Flash bulb.** A. K. Edgerton. 2,486,010, Oct. 25.
- Igniter for blast furnace bleeder stacks and the like, Gas.** B. Elster. 2,480,230, Aug. 30.
- Igniter for gas heaters.** C. P. Price. 2,483,666, Oct. 4.
- Igniter, Fuel.** J. G. Cohn. 2,487,753-4, Nov. 8.
- Igniter, Smudge pot.** S. R. Crockett. 2,480,397, Aug. 30.
- Igniter, Thermal.** C. N. Hickman. 2,459,163, Jan. 18.
- Igniter, Trap wire.** C. F. Bjork. 2,492,835, Dec. 27.
- Ignition and power testing apparatus, Engine.** R. L. Sexton. Re. 23,150, Sept. 20.
- Ignition and safety control means for gas burners, Automatic.** F. A. Gauger. 2,478,386, Aug. 9.
- Ignition and starting system for internal-combustion engines, Combined.** J. Beck. 2,478,739, Aug. 9.
- Ignition apparatus.** J. R. Frei and R. M. Purdy. 2,479,005, Aug. 16.
- Ignition apparatus.** T. A. Newton. 2,457,916, Jan. 4.
- Ignition apparatus.** T. Tognola and M. S. Thorn. 2,482,884, Sept. 27.
- Ignition apparatus.** M. G. Weatherly. 2,461,098, Feb. 8.
- Ignition apparatus, Flare.** G. F. Kuhn. 2,460,016, Jan. 25.
- Ignition apparatus, Making.** T. Tognola. 2,477,273, July 26.
- Ignition assembly, Automobile distributor.** P. B. Person. 2,489,812, Nov. 29.
- Ignition assembly, Positive contact.** T. R. Shearer. 2,464,533, Mar. 15.
- Ignition circuit.** R. J. Miller. 2,461,293, Feb. 8.
- Ignition composition.** W. D. Trevorrow. 2,484,131, Oct. 11.
- Ignition composition.** W. D. Trevorrow. 2,487,906, Nov. 15.
- Ignition compositions.** E. M. Patterson. 2,478,501, Aug. 9.
- Ignition device.** J. H. Bayard. 2,464,787, Mar. 22.
- Ignition device.** J. T. Fitzsimmons. 2,487,231, Nov. 8.
- Ignition device, Coke.** D. E. Mason. 2,492,705, Dec. 27.
- Ignition device for ionic valves.** U. Lamm. 2,461,428, Feb. 8.
- Ignition harness for gasoline engines, One-piece plastic.** W. R. Newman. 2,488,096, Nov. 15.
- Ignition means for combustion chambers.** J. R. Harkness and E. F. Wargin. 2,465,092, Mar. 22.
- Ignition means, Radio shielded.** C. F. Waldron. 2,458,121, Jan. 4.
- Ignition plug.** T. R. Arden. 2,482,831, Sept. 27.
- Ignition system.** J. L. Arthur. 2,474,510, June 28.
- Ignition system.** W. E. Berkey and E. K. Von Mertens. 2,467,725, Apr. 19.
- Ignition system.** W. E. Brown. 2,461,196, Feb. 8.
- Ignition system.** M. F. Peters. 2,483,428, Oct. 4.
- Ignition system.** B. H. Short and A. G. Tynan. 2,463,123, Mar. 1.
- Ignition system.** B. H. Short and H. L. Hartzell. 2,474,550, June 28.
- Ignition system.** B. H. Short. 2,475,994-5, July 12.

- Ignition system. L. B. Smith. 2,459,297, Jan. 18.
 Ignition system. M. T. Wintsch. 2,476,128, July 12.
 Ignition system and apparatus thereof. A. C. Wall. 2,459,855, Jan. 25.
 Ignition system and spark plug. R. W. Lamphere and J. T. Osterman. 2,467,531, Apr. 19.
 Ignition system, Electrical. F. R. F. Ramsay. 2,470,413, May 17.
 Ignition system for internal-combustion engines. J. T. Fitzsimmons. 2,465,080, Mar. 22.
 Ignition system for mercury arc mutators. M. Hürlimann. 2,477,747, Aug. 2.
 Ignition system, Gas engine. D. I. Bohn. 2,491,156, Dec. 13.
 Ignition system, particularly adapted for combustion engines, Electrical. W. B. Smits. 2,478,672, Aug. 9.
 Ignition timing control means for internal-combustion engines. M. Mallory. 2,473,805, June 21.
 Ignition unit. J. T. Osterman. 2,467,534, Apr. 19.
 Ignitor, Electrical. C. H. Bennett and R. E. B. Wakefield. 2,484,544, Oct. 11.
 Illuminable tool. M. A. Watts. 2,466,342, Apr. 5.
 Illuminated background. M. Lange. 2,478,699, Aug. 9.
 Illuminated case. S. J. Cannava. 2,481,394, Sept. 6.
 Illuminated device and method, Decorative. A. Abramson. 2,468,283, Apr. 26.
 Illuminated electric razor frame. H. D. Bowman. 2,479,666, Aug. 23.
 Illuminated vanity case. J. S. Wachtel. 2,468,248, Apr. 26.
 Illuminated table. R. H. McCullough. 2,489,795, Nov. 29.
 Illuminating depressible keys. J. M. Hoff. 2,476,257, July 12.
 Illuminating device. J. J. Musinski. 2,468,773, May 3.
 Illuminating device. P. M. Ressler. 2,467,096, Apr. 12.
 Illuminating device, Keyhole. A. D. Costanzo. 2,480,223, Aug. 30.
 Illuminating means. H. E. Longberg. 2,479,500, Aug. 16.
 Illuminating means for telephones, Dial. A. N. Masabny. 2,464,595, Mar. 15.
 Illuminating means, Progressive. L. E. Ludvigsen. 2,487,714-5, Nov. 8.
 Illuminating means, Progressive. R. H. Seaman. 2,487,734, Nov. 8.
 Illuminating system and control device for photographic enlargers. A. Simmon. 2,470,584, May 17.
 Illuminating system for photographic enlargers. L. L. Weissglass. 2,480,101, Aug. 30.
 Illumination control for photographic copying apparatus. A. E. Schubert and H. P. Hintz. 2,481,694, Sept. 13.
 Illumination control, Optical instrument. C. W. Wallhausen. 2,476,340, July 19.
 Illuminator, Bag or luggage. W. L. Meggs. 2,465,029, Mar. 22.
 Illuminator, Portable vision test chart. W. K. Long. 2,466,958, Apr. 12.
 Illuminator, Vertical. D. D. Lowber and L. J. Peters. 2,471,879, May 31.
 Illusion apparatus. J. A. Karson. 2,487,140, Nov. 8.
 Illustrations, Manufacture of integral, three-dimensional, self-erecting. A. Schenk. 2,458,879, Jan. 11.
 Image display apparatus and cabinet having adjustable light shields. J. K. Rose. 2,482,031, Sept. 13.
 Image forming projection with Schmidt-type optical system. E. H. Traub. 2,470,198, May 17.
 Image projecting apparatus, Star. R. K. Marshall. 2,483,216, Sept. 27.
 Image receiving cathodic tube. R. Barthelemy. 2,479,458, Aug. 16.
 Image reverser for cameras, Right-angle. W. C. Huebner. 2,486,849, Nov. 1.
 Image tube. G. A. Morton and P. Rudnick. 2,487,665, Nov. 8.
 Image tube. F. H. Nicoll. 2,490,740, Dec. 6.
 Imbricated electromagnetic elements, Manufacture of. G. W. Rawlings. 2,487,180, Nov. 8.
 Imidazolido-tetrahydrofurans. M. W. Goldberg and L. H. Sternbach. 2,489,233, Nov. 22.
 Imidazolido thiophanes and preparing same. B. R. Baker and M. V. Query. 2,472,458, June 7.
 Imidazolines and making same. M. Hartmann and H. Isler. 2,461,156, Feb. 8.
 Imidazolone preparation. J. L. Wood and V. du Vigneaud. 2,492,373, Dec. 27.
 Imidazolones, Preparation of. R. Duschinsky. 2,468,324, Apr. 26.
 Imidized polyacrylamides. L. M. Minsk and W. O. Kenyon. 2,486,190, Oct. 25.
 Impact device, Pneumatic. O. C. Dresser, O. Norgorden, F. J. Shanahan, and C. R. Shuler. 2,474,235, June 28.
 Impact thermostatic switch. P. E. Willman. 2,483,685, Oct. 4.
 Imparting feel-back to a manually-movable control element. D. D. De Nise. 2,475,484, July 5.
 Imparting high energy to charged particles. H. C. Pollock and W. F. Westendorp. 2,485,409, Oct. 18.
 Impedance matcher for radio-frequency bridges. O. H. Schmitt. 2,468,688, Apr. 26.
 Impedance unit, Preassembled. D. H. Mitchell. 2,472,021, May 31.
 Impeller. W. H. Welsh. 2,463,581, Mar. 8.
 Impeller, Centrifugal. C. Concordia and M. F. Dowell. 2,484,554, Oct. 11.
 Impeller for centrifugal force pumps. W. B. Fritz. 2,472,412, June 7.
 Impeller for rotary pumps. E. C. Kiekhaefer. 2,466,440, Apr. 5.
 Impeller for turboblowers, Bladed. K. Baumann. 2,483,610, Oct. 4.
 Implement, Agricultural. F. T. Blaydes and J. L. Bauman. 2,491,153, Dec. 13.
 Implement, Agricultural. R. A. Christie. 2,488,707, Nov. 22.
 Implement attaching means. H. P. Smith. 2,464,534, Mar. 15.
 Implement attachment for tractors. L. C. Haynes. 2,475,498, July 5.
 Implement balance control link spring. H. W. Schwarz. 2,460,847, Feb. 8.
 Implement, Collar stretching. G. H. Havey. 2,467,609, Apr. 19.
 Implement construction. R. D. Acton. 2,488,698, Nov. 22.
 Implement, Culinary. A. L. Romazon. 2,486,496, Nov. 1.
 Implement, Dental. G. Bergendal. 2,488,846, Nov. 22.
 Implement, Fastener-applying. A. H. Maynard. 2,466,551, Apr. 5.
 Implement, Fisherman's. J. M. Points. 2,477,201, July 26.
 Implement for feeding electrical currents. M. A. Hamilton. 2,465,722, Mar. 29.
 Implement for vehicles, Detachable. H. W. Rockwell. 2,486,372, Oct. 25.
 Implement for winding and folding harvesting sheets. W. H. Born. 2,473,327, June 14.
 Implement, Front end tractor. T. M. Deal and H. S. Duttweiler. 2,478,747, Aug. 9.
 Implement, Ground scraping and leveling. V. G. Ermitaño. 2,465,077, Mar. 22.
 Implement, Hardened silicone surfaced cooking. P. S. Webb and J. R. Koster. 2,470,593, May 17.
 Implement having an elastic scraping edge, Manually operable meat cleaning. F. Czapar, Jr. 2,489,483, Nov. 29.
 Implement holder. W. T. Maguire. 2,482,589, Sept. 20.
 Implement, Impact producing. F. W. Matzie. 2,470,406, May 17.
 Implement, Key operating. S. Koffler. 2,489,648, Nov. 29.
 Implement, Lawn edging. V. E. Hamilton, Jr. 2,485,877, Oct. 25.
 Implement lift arm, Power-operated. C. A. French. 2,467,616, Apr. 19.
 Implement, Manicuring. B. Chiego. 2,464,374, Mar. 15.
 Implement, Office. F. W. Baukus. 2,478,175, Aug. 9.
 Implement, Oil well. J. S. Montgomery. 2,479,394, Aug. 16.
 Implement or loader, Farm. C. R. Cook. 2,472,194, June 7.
 Implement, Pan scouring. E. W. Worley. 2,482,605, Sept. 20.
 Implement, Prostate gland massaging. H. M. Smallen. 2,477,666, Aug. 2.
 Implement, Prostate gland massaging. H. M. Smallen. 2,478,786, Aug. 9.
 Implement, Riveting. S. L. Gookin. 2,477,056, July 26.
 Implement rock arm construction. H. N. James. 2,464,511, Mar. 15.
 Implement, Rotary earth-working. H. J. Seaman. 2,477,662, Aug. 2.
 Implement self-restoring to carried position, Wieldable. J. L. Mrozinski. 2,469,978, May 10.
 Implement, Shaving. A. R. Towers. 2,461,858, Feb. 15.
 Implement, Silicone surfaced cooking. P. S. Webb and J. R. Koster. 2,462,242, Feb. 22.
 Implement, Soil pulverizing and rolling. T. G. Schmeiser. 2,472,386, June 7.
 Implement, Stone manipulating. G. A. Swenson. 2,464,103, Mar. 8.
 Implement, Stretching. T. L. Ruffin. 2,486,883, Nov. 1.
 Implement, Tractor mounted. A. W. Oehler. 2,477,199, July 26.
 Implement, Turf penetrating. W. L. Mason. 2,487,158, Nov. 8.
 Implement, Valve stem pushing. I. N. Hewitt. 2,480,366, Aug. 30.
 Impregnating agent for metal wool pads. H. A. Goldsmith and A. L. Humbert. 2,483,135, Sept. 27.
 Impregnating carbonaceous bodies. L. S. Dunham and E. V. Steffensen. 2,473,943, June 21.
 Impregnating device, Log. H. Svensson. 2,473,480, June 14.
 Impregnating fibrous materials and products thereof. F. Y. Speight, Jr. 2,489,985, Nov. 29.
 Impregnating machine. C. W. Zies. 2,483,864, Oct. 4.
 Impregnating machine, Yarn. E. J. Heizer. 2,476,298, July 19.
 Impregnating paper making felts with polyvinyl alcohol containing emulsion. O. W. Berglund. 2,482,237, Sept. 20.
 Impregnation of papermakers' felt, Multiple. O. W. Berglund. 2,482,236, Sept. 20.
 Impression of the shape of an object, Making and maintaining an. W. J. Mead. 2,472,754, June 7.
 Impression taking means. E. G. Coffey. 2,458,145, Jan. 4.
 Impressions of objects, Making. W. J. Mead. 2,488,922, Nov. 22.
 Improved fibrous materials and the materials thus obtained, Manufacture of. L. Orthner, G. Balle, H. Schild, M.-O. Schürmann, K. Brodersen, and M. Quesadivieg. 2,471,039, May 24.

- Improving bitumen by blending with polyethylene. J. C. Derksen. 2,475,699, July 12.
- Improving cut growth resistance of butadiene-vinyl pyridine rubbery copolymers. B. C. Barton. 2,481,810-11, Sept. 13.
- Improving the adherence of insulating compounds to metals and products resulting therefrom. A. N. Gray. 2,484,705, Oct. 11.
- Improving the adsorbent and decolorizing properties of Georgia-Florida Fuller's earth. W. S. W. McCarter. 2,477,386, July 26.
- Improving the adsorption of carbon disulfide contained in gaseous mixtures incident to the manufacture of rayon. H. L. Van Noughuys. 2,466,871, Apr. 12.
- Improving the baking quality of flour, especially wheat flour. H. John. 2,491,408, Dec. 13.
- Improving the carding effect of carding cylinders. A. M. Castell. 2,481,002, Sept. 6.
- Improving the digestibility of milk. O. E. Carman. 2,490,015, Dec. 6.
- Improving the foam of fermented malt beverages and product obtained thereby. J. S. Wallerstein, A. L. Schade, and H. B. Levy. 2,478,988, Aug. 16.
- Improving the millability of butadiene-styrene interpolymers. J. H. Trepanier. 2,463,219, Mar. 1.
- Improving the properties of precipitation hardenable castings. W. A. Reich. 2,470,791, May 24.
- Improving the surface of form ground races. H. N. Seyferth. 2,460,472, Feb. 1.
- Improving the surface of synthetic rubber sponge. T. H. Rogers, Jr. 2,469,894, May 10.
- Improving the taste of water soluble constituents of forage crops. W. R. Graham, Jr., G. O. Kohler, and E. E. Frye. 2,465,967, Mar. 29.
- Improving the tensile strength of grey cotton yarn. L. Axford. 2,471,554, May 31.
- Impulse counter. M. Kalfaian. 2,476,303, July 19.
- Impulse coupling. W. D. Crocker and C. Strniste. 2,476,028, July 12.
- Impulse coupling. C. E. Hogan and E. E. Stansfield. 2,476,043, July 12.
- Impulse generator. F. B. Headley. 2,482,000, Sept. 13.
- Impulse generator. H. J. McCreary. 2,458,283, Jan. 4.
- Impulse generator. E. M. Ostlund. 2,477,643, Aug. 2.
- Impulse motor. H. C. Roters. 2,472,621, June 7.
- Impulse repeater, Fault signaling. H. L. Horwitz. 2,490,810, Dec. 13.
- Impulse sender. H. J. McCreary. 2,463,708, Mar. 8.
- Impulse sender. T. C. Riebe. 2,463,717, Mar. 8.
- Impulse testing. H. C. Stewart and J. E. Holcomb. 2,479,426, Aug. 16.
- Impulse voltage device. W. H. Boldingh. 2,490,408, Dec. 6.
- Infeed for grinding machines. V. J. Marshall. 2,464,142, Mar. 8.
- In-feed mechanism for article handling machines. N. W. Lyon. 2,467,679, Apr. 19.
- In-line fluid pump. R. E. Snyder. 2,470,794, May 24.
- Innersole and making the same. F. L. Ayers. 2,461,713, Feb. 15.
- Innersole and making the same. F. L. Ayers. 2,465,506, Mar. 29.
- Inner tube and making the same. J. C. Carlin and R. R. Lloyd. 2,473,784, June 21.
- Incandescent electric heater. J. I. Stein. 2,471,128, May 24.
- Incandescent lamp. R. K. Braunsdorff. 2,462,837, Mar. 1.
- Incandescent lamp. I. H. Van Horn and L. G. Leighton. 2,467,710, Apr. 19.
- Incinerator. F. O. DeCarie. 2,479,818, Aug. 23.
- Incinerator. H. Weyenberg and W. E. Tice. 2,473,624, June 21.
- Incinerator, Excrement. A. G. Liebmann. 2,477,632, Aug. 2.
- Incinerator for city refuse and the like, Traveling grate. T. Ferro and M. F. Manov. 2,481,504, Sept. 13.
- Incinerator, Refuse. J. W. Hebert. 2,488,405, Nov. 15.
- Inclined current hydraulic separator. F. C. Morton. 2,474,059, June 21.
- Inclinometer. R. G. Bourgaize. 2,460,675, Feb. 1.
- Inclinometer. T. D. Pennington. 2,482,504, Sept. 20.
- Inclinometer and compass indicating means for grounded aviation trainers. S. I. Hayes. 2,485,286, Oct. 18.
- Inclinometer, Pendulum type. S. E. White. 2,464,911, Mar. 22.
- Inclinometer, Universal float. L. K. Perry. 2,484,730, Oct. 11.
- Incorporating antioxidants into synthetic rubbery isobutylene polymers. J. F. Nelson. 2,462,123, Feb. 22.
- Incorporating light sealing material in film cartridge during molding. H. A. Herzig. 2,484,225, Oct. 11.
- Increasing adhesivity of asphalt to mineral aggregate consisting of mollusk shells. A. Holmes. 2,469,728, May 10.
- Increasing diameters. E. A. J. Warshyk and F. Daniel. 2,463,580, Mar. 8.
- Increasing flow of wells. D. J. Mullady. 2,466,673-4, Apr. 12.
- Increasing particle size of synthetic rubber latices. J. S. Rumbold. 2,467,054, Apr. 12.
- Increasing the aromaticity of hydrocarbon oil. J. F. Black. 2,474,213, June 28.
- Increasing the viscosity of liquid polymeric dimethyl silicane. J. F. Hyde. 2,467,976, Apr. 19.
- Incubator. J. I. Taggart. 2,479,030, Aug. 16.
- Incubator, Electric. J. W. Napier. 2,470,046, May 10.
- Incubator, Portable infant. J. L. Prugel. 2,470,721, May 17.
- Indene and alkyl indene resins, Stabilized. F. J. Soday. 2,462,684, Feb. 22.
- Indene resin stabilized with an alkyl polyhydroxy spiro indane. S. G. Burroughs. 2,462,609, Feb. 22.
- Index device for rotating bodies. A. L. Stone. 2,481,255, Sept. 6.
- Index mechanism. E. Wildhaber. 2,477,105, July 26.
- Index of the rotary type, Card. G. W. Torrence and W. A. Calkins. 2,458,657, Jan. 11.
- Index pulse generating circuit. W. L. Gaines. 2,471,268, May 24.
- Index strip holder. G. J. Aigner. 2,480,686, Aug. 30.
- Index, Telephone. M. M. Shore. 2,488,516, Nov. 15.
- Index unit, Buffing wheel spiral sewing machine. R. A. Le Beau. 2,475,551, July 5.
- Index, Visible card. R. J. Copeland. 2,460,449, Feb. 1.
- Indexing and switching system, Electric self-indicating. W. A. Sourwine and H. I. Pierce. 2,481,169, Sept. 6.
- Indexing device for optical projection comparators. R. E. Coles. 2,487,314, Nov. 8.
- Indexing device for welding machines. A. M. Unger. 2,464,906, Mar. 22.
- Indexing head. C. B. Wallman. 2,460,477, Feb. 1.
- Indexing means for fabric length markers. C. Trosper. 2,478,139, Aug. 2.
- Indexing mechanism for valves. A. L. Parker and E. C. Hartley. 2,458,873, Jan. 11.
- Indicating and adjusting device for pistons, Bearing wear. J. Naab. 2,468,509, Apr. 26.
- Indicating apparatus, Inclination. G. Jackson. 2,486,529, Nov. 1.
- Indicating apparatus, Liquid level. D. H. Annin. 2,467,365, Apr. 19.
- Indicating apparatus, Polarity. H. C. Otteson. 2,486,673, Nov. 1.
- Indicating apparatus, Radio direction. W. L. Barrow, D. S. Pensyl, and W. W. Mieher. 2,480,829, Sept. 6.
- Indicating artifice, Temperature. A. H. Kidder. 2,475,788, July 12.
- Indicating caliper gauge. H. A. Burdwood. 2,481,078, Sept. 6.
- Indicating cathode-ray tube. H. G. Busignies. 2,459,790, Jan. 25.
- Indicating circuit. W. H. T. Holden. 2,484,226, Oct. 11.
- Indicating cross sectional area of a bore of a capillary tube, Method of and apparatus for. F. B. Hutchinson, C. W. Miller, and R. D. Thompson. 2,481,310, Sept. 6.
- Indicating device comprising a rotatable scale, more particularly for radio sets. M. J. Groenberg. 2,485,196, Oct. 18.
- Indicating device. M. T. Burns. 2,463,018, Mar. 1.
- Indicating device. W. T. Haswell, Jr. 2,470,774, May 24.
- Indicating device. V. V. Kaminsky. 2,476,098, July 12.
- Indicating device. J. D. Mallett. 2,464,822, Mar. 22.
- Indicating device. J. D. McCullough. 2,471,968, May 31.
- Indicating device. D. W. Peterson. 2,458,634, Jan. 11.
- Indicating device, Computing. J. A. Chausse. 2,486,463, Nov. 1.
- Indicating device, Condition responsive. C. J. Brasefield. 2,463,510, Mar. 8.
- Indicating device, Contour. A. V. Bedford. 2,487,511, Nov. 8.
- Indicating device, Electric liquid level. C. A. de Giers. 2,484,690, Oct. 11.
- Indicating device for fluent materials, Level. W. Liben. 2,468,676, Apr. 26.
- Indicating device for polyphase systems, Phase failure. V. J. Terry and R. Kelly. 2,474,290, June 28.
- Indicating device for semiautomatic telephone systems, Waiting call. E. A. Ericsson and A. C. Jacobaeus. 2,491,171, Dec. 13.
- Indicating device, Menstrual cycle. J. B. Lancaster. 2,476,100, July 12.
- Indicating device, Pressure. J. T. Fitzpatrick. 2,481,651, Sept. 13.
- Indicating device, Pressure responsive. W. E. Naylor. 2,461,075, Feb. 8.
- Indicating device, Radio ground position. J. L. Anast. 2,489,251, Nov. 29.
- Indicating device, Speed. L. C. McHenry. 2,462,655, Feb. 22.
- Indicating device, Tire pressure. M. E. Hatcher. 2,480,855, Sept. 6.
- Indicating gauge. A. D. Rose and B. Willach. 2,471,704, May 31.
- Indicating ice on aircraft surfaces. K. B. Britton. 2,460,165, Jan. 25.
- Indicating means for track switch and its primary power supply in remote-control systems. J. A. Quinlan. 2,492,398, Dec. 27.
- Indicating means, Tension. E. K. Ralston. 2,464,152, Mar. 8.
- Indicating sound pitch or voice inflection. G. M. Horvitch. 2,487,244, Nov. 8.
- Indicating structure on a measuring apparatus, Adjustable. G. Lowkrantz. 2,467,899, Apr. 19.
- Indicating system, Aircraft flight. E. M. Deloraine and P. B. Adams. 2,480,123, Aug. 30.
- Indicating system, Airplane course. O. S. Field, S. N. Wight, and S. P. Saint. 2,463,094, Mar. 1.

- Indicating system and method, Plan position. N. W. Bryant. 2,471,516, May 31.
- Indicating system, Direction and distance. H. G. Busignies. 2,468,032, Apr. 26.
- Indicating system, Electrical. A. F. Bischoff. 2,492,730, Dec. 27.
- Indicating system, Craft. T. M. Ferrill, Jr. 2,463,529, Mar. 8.
- Indicating system, Multiple. T. Zuschlag. 2,485,843, Oct. 18.
- Indicating system, Position. M. Mandel. 2,480,152, Aug. 30.
- Indicating system, Position. J. T. Webber. 2,479,531, Aug. 16.
- Indicating system, Remote. C. R. P. Stonor. 2,479,704, Aug. 23.
- Indication device for sextants, Setting. W. W. Sheffield. 2,463,649, Mar. 8.
- Indication system, Position. E. M. Deloraine. 2,468,045, Apr. 26.
- Indication system, Three-dimensional proximity. W. H. Newbold. 2,486,197, Oct. 25.
- Indicator: *See*—
- Admissions indicator.
 - Aim indicator.
 - Aircraft drift angle indicator.
 - Aircraft glide path indicator.
 - Aircraft gun position indicator.
 - Aircraft instrument indicator.
 - Aircraft structural limit indicator.
 - Air position indicator.
 - Air pressure indicator.
 - Alternating current load indicator.
 - Ambient temperature and electrical current compensated indicator.
 - Antenna current indicator.
 - Automatic position indicator.
 - Bias indicator.
 - Breathing indicator.
 - Cabin altitude and oxygen use indicator.
 - Cathode-ray indicator.
 - Center of gravity and weight indicator.
 - Chord indicator.
 - Clip-on fuse indicator.
 - Coil-polarity indicator.
 - Cold cathode tube voltage indicator.
 - Container liquid level indicator.
 - Dew-point indicator.
 - Direction indicator.
 - Distance indicator.
 - Dual spinner game indicator.
 - Electric pressure indicator.
 - Electric vehicle direction indicator.
 - Electromagnetic wave direction indicator.
 - Electronic counter duration indicator.
 - Elevator position indicator.
 - Flat tire indicator.
 - Fluid flow indicator.
 - Fluid level indicator.
 - Foot condition indicator.
 - Foul ball indicator.
 - Frequency operative azimuth indicator.
 - Fuel tank indicator.
 - Global time indicator.
 - Glow-discharge lamp tuning indicator.
 - Golf score indicator.
 - Grade indicator.
 - Grade pitch indicator.
 - Grain bin indicator.
 - Ground speed and drift indicator.
 - Heat generation indicator.
 - Hot box indicator.
 - Lamp failure indicator.
 - Light-sensitive altitude and direction indicator.
 - Lighting circuit condition indicator.
 - Low-pressure indicator.
 - Lubrication indicator.
 - Magnetic field strength indicator.
 - Magnetostriuctive pressure indicator.
 - Maximum powder demand indicator.
 - Milk bottle indicator.
 - Modulation indicator.
 - Multiple position electrically operated display indicator.
 - Optical bore-straightness indicator.
 - Optical oil condition indicator.
 - Overload indicator.
 - Parking indicator.
 - Perspective indicator.
 - pH indicator.
 - Photoelectric liquid level indicator.
 - Photographic enlarger exposure indicator.
 - Pocket flight position indicator.
 - Pulse code operated electronic range indicator.
 - Pulse-echo distance indicator.
 - Pulse radio echo distance indicator.
 - Quantitative deceleration indicator.
 - Radar indicator.
 - Radio direction indicator.
 - Radio distance and direction indicator.
 - Radio-frequency in-phase indicator.
 - Radio position indicator.
 - Radio speed and distance indicator.
 - Ship's stability indicator.
 - Shockproof dial indicator.
 - Shoe-fit indicator.
 - Sight glass fluid flow indicator.
 - Slide rule indicator.
 - Soil moisture indicator.
 - Stall warning indicator.
 - Standing wave indicator.
 - Stop bath acidity indicator.
 - Strip elongation indicator.
 - Tapping tube and liquid level indicator.
 - Target indicator.
 - Temperature indicator.
 - Thermostat adjustment indicator.
 - Three axis attitude and direction indicator.
 - Time-interval indicator.
 - Time period indicator.
 - Tire deflation indicator.
 - Tire pressure indicator.
 - Tolerance limit indicator.
 - Touch indicator.
 - Transformer load indicator.
 - Transmission line energy indicator.
 - Transmitter tuning indicator.
 - Typewriter sheet end indicator.
 - Valve position indicator.
 - Vibration indicator.
 - Visual on and off course radio beam indicator.
 - Wall thickness indicator.
 - Wire recorder indicator.
 - Indicator. H. C. Hayes. 2,474,842, July 5.
 - Indicator. K. H. Hellman and H. N. Schmidt. 2,469,389, May 10.
 - Indicator. H. Hurvitz. 2,474,628, June 28.
 - Indicator and control means for lead screw correction. K. H. Wills. 2,491,403, Dec. 13.
 - Indicator and control mechanism, Angle of attack and yaw. D. W. Young. 2,463,585, Mar. 8.
 - Indicator and control valve, Pressure. H. Hansen and L. Seefeldt. 2,485,380, Oct. 18.
 - Indicator and drilling line anchor, Weight. J. D. Spalding. 2,488,070, Nov. 15.
 - Indicator and guide, Visible headlight. T. A. Marcink. 2,481,321, Sept. 6.
 - Indicator and lockout welding current. E. M. Callender, R. S. Phair, and H. D. Van Sciver. 2,470,067, May 10.
 - Indicator and recorder, Molten glass level. M. M. Cannon, Jr., and J. S. Light. 2,483,333, Sept. 27.
 - Indicator and transmitter, Automatic altimeter setting. D. Atlas. 2,487,778, Nov. 15.
 - Indicator at substations, Retractable light. R. M. Wortman and R. E. Webster. 2,477,918, Aug. 2.
 - Indicator attachment for machine tools. A. Rosenow. 2,462,226, Feb. 22.
 - Indicator circuit. F. W. Frink. 2,465,368, Mar. 29.
 - Indicator, compass, and gyro-horizon for aircraft. Combined beam. R. W. French. 2,467,972, Apr. 19.
 - Indicator device. F. A. Olson. 2,483,150, Sept. 27.
 - Indicator device, Vapor pressure. D. L. Campbell. 2,475,218, July 5.
 - Indicator for airborne traffic, Position. K. McIlwain. 2,483,097, Sept. 27.
 - Indicator for aircraft, Course and height. H. W. Hastings-Hodgkins. 2,459,074, Jan. 11.
 - Indicator for aircraft, Position. J. A. MacLeod. 2,474,537, June 28.
 - Indicator for automobiles, Curb line. A. D. McLendon. 2,462,656, Feb. 22.
 - Indicator for brine tanks, Salt level. E. Pick. 2,463,304, Mar. 1.
 - Indicator for catheters, Inflation. J. M. Auzin. 2,473,742, June 21.
 - Indicator for chlorinating systems, Chlorine concentration limit. C. F. Wallace. 2,482,078, Sept. 13.
 - Indicator for closed circuit installations, Fault. J. Giorgianni. 2,488,622, Nov. 22.
 - Indicator for floating dry docks, Water level. F. R. Harris. 2,470,850, May 24.
 - Indicator for football games with cross-shaped rotor and T-shaped case, Down. M. R. Schall. 2,482,876, Sept. 27.
 - Indicator for free piston units, Electrical. A. Kalitinsky. 2,485,154, Oct. 18.
 - Indicator for lathes and the like, Dial. L. T. Raible. 2,488,237, Nov. 15.
 - Indicator for oil stoves, Level position. H. M. Reeves. 2,491,334, Dec. 13.
 - Indicator for photographic apparatus, Footage. C. H. Jacobson. 2,475,898, July 12.
 - Indicator for photographic enlargers, Focus and magnification. M. T. Kolesnikoff. 2,472,907, June 14.
 - Indicator for radio relaying systems, Fault. L. E. Thompson. 2,460,789, Feb. 1.
 - Indicator for sealed receptacles, Leak. F. P. Hall and D. C. Newton. 2,479,743, Aug. 23.
 - Indicator for slide rules, Digit. M. Cherney. 2,468,812, May 3.
 - Indicator for telephone substations, Number. O. Moser. 2,489,659, Nov. 29.
 - Indicator for telephone switchboards. C. Lomholt. 2,485,615, Oct. 25.
 - Indicator for typewriters, Page end. J. G. Furchak. 2,460,170, Jan. 25.
 - Indicator for variable pitch propellers, Pitch. W. V. Brown. 2,472,693, June 7.
 - Indicator means for sadirons, Temperature. C. H. Sparklin. 2,471,458, May 31.
 - Indicator means, Radar. A. G. Richardson. 2,483,432, Oct. 4.
 - Indicator mechanism, Dial. J. H. Worthen. 2,484,771, Oct. 11.
 - Indicator of fluid flow. A. Chaumerliac. 2,483,965, Oct. 4.
 - Indicator or gauge, Diaphragm type variable condition. P. J. Good. 2,478,476, Aug. 9.
 - Indicator plug. W. B. Jutte. 2,469,560, May 10.
 - Indicator system. H. M. Bryant, B. H. Dennison, and R. E. White. 2,490,777, Dec. 13.
 - Indicator system, Cathode-ray. H. W. Leverenz. 2,468,452, Apr. 26.
 - Indicator system, Doffing. J. O. Frist and E. K. Bauer. 2,463,028, Mar. 1.
 - Indicator system, Electronic. W. A. Miller. 2,488,138, Nov. 15.
 - Indicator system, Frequency shift tuning. R. S. Chaplin. 2,477,962, Aug. 2.
 - Indicator system, Fuel level. D. B. Browne. 2,459,261.
 - Indicator system, Tuning. O. C. Kell, Jr., and J. H. Lofton. 2,472,536, June 7.
 - Indicators for aircraft, Flight position. O. V. Phillips. 2,469,571, May 10.
 - India for receptacle covers, Changeable. E. Schall. 2,492,891, Dec. 27.

- Indium and its alloys, Electrodeposition of. J. R. Dyer, Jr., and T. J. Rowan. 2,458,839, Jan. 11.
- Indium from contaminants, Separating. J. L. Hart. 2,477,799, Aug. 2.
- Indium treated copper clad bearing and like articles and making the same. W. S. Murray. 2,465,329, Mar. 22, Jan. 18.
- Induced draft heater. J. F. Fisher. 2,463,958, Mar. 8.
- Inducing young poultry, especially turkeys, et eat. J. T. Lloyd and M. Bye. 2,463,704, Mar. 8.
- Inductance device, Variable. L. H. Lynn. 2,460,138, Jan. 25.
- Inductance device, Variable. E. C. Pierce. 2,480,671, Aug. 30.
- Inductance device, Variable. C. F. P. Rose. 2,480,340, Aug. 30.
- Inductance device, Variable. L. O. Vladimir. 2,489,114, Nov. 22.
- Induction apparatus, Electric. G. Camilli and A. Boyajian. 2,467,807, Apr. 19.
- Induction apparatus, Electric. F. R. D'Entremont. 2,482,403, Sept. 20.
- Induction apparatus, Electric. A. D. Forbes and W. A. Siefert. 2,479,334, Aug. 16.
- Induction apparatus, Electric. H. W. Lord. 2,462,651, Feb. 22.
- Induction apparatus, Electrical. B. V. Giegerich and C. B. Ryder. 2,467,377, Apr. 19.
- Induction apparatus, Making electromagnetic. J. J. Vienneau. 2,478,030, Aug. 2.
- Induction apparatus, Stationary. G. J. Johnston. 2,459,322, Jan. 18.
- Induction clutch. D. Sensaud de Lavaud and C. E. Mildé. 2,488,079, Nov. 15.
- Induction device having a substantially pure sine relation between the coupling and the relative displacement of its elements. J. P. Glass, Jr. 2,488,771, Nov. 22.
- Induction heater. N. E. Fuchs. 2,460,687, Feb. 1.
- Induction heating continuously moving wire. R. H. Denham. 2,459,507, Jan. 18.
- Induction heating device, High-frequency. O. E. Bowlus. 2,481,071, Sept. 6.
- Induction heating head. H. A. Strickland, Jr., and E. B. Vos. 2,484,864, Oct. 18.
- Induction heating head and arbor therefor. H. A. Strickland, Jr. 2,483,444, Oct. 4.
- Induction heating system and progressively heating a series of objects. S. R. Durand. 2,465,306, Mar. 22.
- Induction heating system, High-frequency. H. F. Storm. 2,485,785, Oct. 25.
- Induction melting of palladium and palladium alloys. R. H. Atkinson. 2,478,225, Aug. 9.
- Induction motor. E. W. Ballentine. 2,492,207, Dec. 27.
- Induction motor primary construction. W. J. Morrill. 2,485,628, Oct. 25.
- Induction regulator. E. C. Barwick. 2,468,536, Apr. 26.
- Induction regulator. G. H. Farley. 2,479,330, Aug. 16.
- Induction regulator. L. G. Tubbs. 2,465,298, Mar. 22.
- Inductor, Adjustable. J. F. Gordon. 2,453,071, Jan. 4.
- Inductor alternator. J. M. Momberg. 2,462,761, Feb. 22.
- Inductor for high-frequency induction heating apparatus. R. J. Stanton. 2,459,971, Jan. 25.
- Inductor, Multiturn split. N. G. Gagliardi, A. A. Finger, and R. J. Stanton. 2,481,008, Sept. 6.
- Inductor, Variable. J. F. Gordon. 2,483,197, Sept. 27.
- Inductor, Variable. R. C. Henniker. 2,463,105, Mar. 1.
- Inductors, Making ultra high frequency. J. L. Reinartz. 2,471,777, May 31.
- Industrial fluorescent lamp fixture hanger. F. H. Travis and J. Travis, Jr. 2,477,911, Aug. 2.
- Inertia operated bolt lock. D. M. Williams. 2,476,232, July 12.
- Inertia operating members for automatic firearms. J. L. Lochhead. 2,466,902, Apr. 12.
- Infant's chair. F. E. Ducey. 2,489,084, Nov. 22.
- Infant's chair. L. C. Peltier. 2,470,834, May 24.
- Infant's collapsible and portable chair. J. P. Tirittilli and T. L. Jones. 2,459,601, Jan. 18.
- Infant's folding dressing table. C. T. De Puy and W. C. Baxter. 2,467,467, Apr. 19.
- Infinite stage pump. D. Grant and N. Bashark. 2,472,104, June 7.
- Infinitely variable speed gear. A. Booth. 2,466,365, Apr. 5.
- Infinitely variable speed gear. A. Booth. 2,476,353, July 19.
- Infinity sight using a transparent reflector. P. E. Creighton. 2,490,747, Dec. 6.
- Inflatable catheters having preformed balloon sacs, Making. J. M. Auzin. 2,481,488, Sept. 13.
- Inflated articles, Making. F. H. Kennedy. 2,470,990, May 24.
- Inflating and gauging device. J. C. Crowley. 2,476,706, July 19.
- Inflight tire gauge. T. B. Upchurch, Jr. 2,492,450, Dec. 27.
- Infusion device. G. R. Laure and L. T. Cookson. 2,489,966, Nov. 29.
- Ingot mold. E. Gathmann. 2,472,072, June 7.
- Ingot mold cleaner. G. H. Bivens. 2,469,148, May 3.
- Ingot scalping machine. W. J. Tretheway. 2,466,187, Apr. 5.
- Ingots, Heating. C. H. West. 2,474,504, June 28.
- Ingredient for prepared food mixes and preparing same. M. H. Kimball, C. G. Harrel, and R. O. Brown. 2,471,435, May 31.
- Inhalator. M. R. Fields. 2,470,296-7, May 17.
- Inhalator, Chlorine. F. M. Risch. 2,479,967, Aug. 23.
- Inhaler. P. H. Todd. 2,460,955, Feb. 8.
- Inhaler for treating sinus and hay fever and sealing a medicament therein. G. T. Davisson. 2,462,169, Feb. 22.
- Inhibiting acidic corrosion in wells. P. S. Viles and E. Q. Camp. 2,461,359, Feb. 8.
- Inhibiting corrosion caused by liquid aluminum halide catalysts. O. Gerbes. 2,485,276, Oct. 18.
- Inhibiting foam formation in an aqueous gas-liquid system. L. O. Gunderson. 2,461,730, Feb. 15.
- Inhibiting foaming in steam boilers. P. G. Bird, and A. L. Jacoby. 2,469,450, May 10.
- Inhibiting foaming in steam boilers. L. O. Gunderson. 2,485,378, Oct. 18.
- Inhibiting oxidation. R. Cocroft, E. W. Brennan, and A. Manteuffel. 2,480,450, Aug. 30.
- Inhibiting polymerization and corrosiveness of furfural by mercaptobenzothiazole. J. C. Hillyer and D. A. Nicewander. 2,473,750, June 21.
- Inhibiting polymerization of furfural in extractive distillation. W. A. Schulze and J. C. Hillyer. 2,485,070-1, Oct. 18.
- Inhibition of corrosion in wells. P. S. Viles and E. Q. Camp. 2,474,603, June 28.
- Inhibition of resin growth from diolefins. C. E. Morrell and R. F. Robey. 2,483,778, Oct. 4.
- Inhibitor. P. Subkow. 2,472,318, June 7.
- Inhibitor, Corrosion. E. A. Bried. 2,484,010, Oct. 11.
- Inhibitor for photographic emulsions, Fog. R. E. Stauffer and W. F. Smith. 2,458,442, Jan. 4.
- Initially placing the train and elevation axes of a gun in parallelism with the corresponding axes of the sights of its director. C. G. Williams. 2,481,551, Sept. 13.
- Initiator, Blasting. R. J. Miller. 2,478,415, Aug. 9.
- Initiator, Delay electric. E. J. Hanley. 2,475,281, July 5.
- Initiator, Delay electric. D. T. Zebree. 2,473,405, June 14.
- Initiator device and ignition composition, Electric. E. J. Hanley. 2,476,370, July 19.
- Initiator, Electric explosion. G. F. Rolland. 2,478,838, Aug. 9.
- Injection apparatus, Electron. J. P. Blewett. 2,484,549, Oct. 11.
- Injection apparatus, Fuel. J. R. Hale. 2,474,419, June 28.
- Injection device. F. O. Chaffee. 2,471,142, May 24.
- Injection pump. R. C. Groves. 2,474,396, June 28.
- Injection machine, Continuous. L. T. Cookson. 2,457,977, Jan. 4.
- Injection machine, Turret. H. F. MacMillin. 2,477,258, July 26.
- Injection molding apparatus. N. Lester and W. H. Schwartz. 2,465,889, Mar. 29.
- Injection molding apparatus. E. E. Novotny. 2,478,005, Aug. 2.
- Injection molding apparatus and method. W. P. Cousino. 2,487,426, Nov. 8.
- Injection-molding machine. E. I. Valyi. 2,491,343, Dec. 13.
- Injection molding machine having adjustable mechanism with interchangeable mold assembly. E. W. Halbach. 2,478,823, Aug. 9.
- Injection of plastics as a continuous strip, Hydraulic. B. D. Ashbaugh. 2,485,523, Oct. 18.
- Injection system for internal-combustion engines. H. F. King. 2,492,485, Dec. 27.
- Injector. H. R. Lamborn. 2,483,911, Oct. 4.
- Injector, Combination spark plug and fuel. H. Rabezzana and F. J. Wiegand. 2,459,286, Jan. 18.
- Injector for internal-combustion engines, Fuel. V. Palumbo. 2,470,717, May 17.
- Injector for molding machines. C. Jobst. 2,476,550, July 19.
- Injector, Fuel. B. G. Parsons. 2,478,500, Aug. 9.
- Injector, Fuel. B. G. Parsons. 2,481,441, Sept. 6.
- Injector, Light fuel. W. E. Hennings. 2,458,377, Jan. 4.
- Injector operating mechanism for internal-combustion engines. D. R. and P. Bennett, and R. C. Young. 2,484,926, Oct. 18.
- Injector, Steam and vapor. H. G. Blumberg and E. M. Stevens. 2,489,745, Nov. 29.
- Injector, Water. J. L. French. 2,489,177, Nov. 22.
- Ink and a dye therefor, Stable blue writing. W. B. Reynolds. 2,489,463, Nov. 29.
- Ink and using same, Printing. W. F. Talbot and R. Buchdahl. 2,477,776, Aug. 2.
- Ink distribution for rotary printing presses. H. J. Luehrs. 2,466,603, Apr. 5.
- Ink fountain for intaglio printing presses. J. E. Meyer. 2,460,184, Jan. 25.
- Ink fountain for printing presses. J. P. Dorr. 2,479,103, Aug. 16.
- Ink package having an adjustable sealer. F. A. Sanders. 2,465,755, Mar. 29.
- Ink, Quick-drying writing. R. L. Mayhew. 2,476,991, July 26.
- Ink ribbon carrier. C. E. Inskeep. 2,464,042, Mar. 8.
- Ink, Water-base printing. V. A. Lauderman. 2,468,633, Apr. 26.

- Inkwell, M. S. Pollock. 2,466,736, Apr. 12.
 Ink, White writing. W. E. Decker. 2,460,925, Feb. 8.
 Inking means for ticket printing machines, Selective. O. Osten. 2,447,703, Aug. 2.
 Inks, Developing. W. H. Wood. 2,478,070, Aug. 2.
 Inks, Printing. C. A. Reitz and R. F. Lecture. 2,468,779, May 3.
 Inks, Printing. C. A. Rietz. 2,472,125, June 7.
 Inks, Stencil duplicating. T. S. Chambers and R. T. Florence. 2,479,037, Aug. 16.
 Inlet manifold. D. Gardner. 2,477,732, Aug. 2.
 Inorganic bond for chlorinated charge. S. S. Cole. 2,479,904, Aug. 23.
 Inorganic polysulfide-organic dihalide reaction product. N. Ernster. 2,489,567, Nov. 25.
 Insect-affecting compositions. F. J. Sowa and A. Schwerdle. 2,471,790, May 31.
 Insect destroyer, Electric. A. J. Gardenhour. 2,475,181-2, July 5.
 Insect excluding compartment. C. C. Potter. 2,475,515, July 5.
 Insect repellent comprising benzyl ethers of ethylene glycol. R. B. Killingsworth. 2,469,303, May 3.
 Insect repellent stick. A. L. Omohundro, F. M. Neumeier, and B. R. Zeitlin. 2,465,470, Mar. 29.
 Insecticidal and fungicidal composition. E. C. Shokal and L. N. Whitehill. 2,469,317, May 3.
 Insecticidal composition comprising a polychloro branched-chain hydrocarbon. G. A. Buntin. 2,490,202, Dec. 6.
 Insecticidal composition containing an aromatic unsaturated carbonyl compound. S. C. Dorman and S. A. Ballard. 2,465,854, Mar. 29.
 Insecticidal composition containing chloralmines. S. C. Dorman. 2,468,592, Apr. 26.
 Insecticidal compositions containing relatively small quantities of 2,2-bis (p-chlorophenyl)1,1,1-trichloromethane. Producing. F. W. Wieder. 2,491,632, Dec. 20.
 Insecticidal composition of pyrethrins and 3,4-oxy-methylene-phenyl-1-butylglycol synergist. H. Wachs. 2,457,957, Jan. 4.
 Insecticidal polyphosphate esters. Preparation of. D. C. Hull and J. R. Snodgrass. 2,492,153, Dec. 27.
 Insecticidal use of fluoroacetamide. N. M. C. Payne. 2,469,340, May 3.
 Insecticide, Lime treated sabadilla seed. T. C. Allen. 2,491,468, Dec. 20.
 Insecticides. W. D. Harris and H. D. Tate. 2,485,095, Oct. 18.
 Insert for bowling balls, Finger hole. H. J. Kramer. 2,482,190, Sept. 20.
 Insert for gun packing cases, Die-cut. K. S. Dawson. 2,487,528, Nov. 8.
 Insert for shoes, Removable. J. H. Everston. 2,482,333, Sept. 20.
 Insert for toothbrush heads, Sponge rubber. A. E. Ligoure. 2,476,201, July 12.
 Inserting machine, Package coin. D. S. and L. B. Brahe. 2,487,303, Nov. 8.
 Inside car tray holder. L. F. Hedger. 2,474,943, July 5.
 Insole, Air circulating. H. Brahm. 2,474,815, July 5.
 Insole, Hydraulic. G. H. Dumm. 2,477,588, Aug. 2.
 Insolubilization of cellulose ethers and esters. E. K. Morris. 2,489,225, Nov. 22.
 Insolubilization of water-soluble hydroxyl-containing polymeric materials. A. E. Broderick. 2,469,431, May 10.
 Inspecting or gauging apparatus, Thread. H. T. Lorenz. 2,484,953, Oct. 18.
 Inspection apparatus, Fluid. M. A. Elliott. 2,485,579, Oct. 25.
 Inspection cover. H. E. Anthony. 2,480,692, Aug. 30.
 Inspection device having illuminating and magnifying means, Stocking. H. Gilbert. 2,485,820, Oct. 25.
 Inspection light. G. Ellis. 2,491,170, Dec. 13.
 Inspection of a solid part utilizing supersonic transmission. F. A. Firestone. 2,483,821, Oct. 4.
 Inspection method, Resonance. F. A. Firestone. Re. 23,090, Mar. 15.
 Inspection system. C. de Brabander. 2,461,592, Feb. 15.
 Installation for the granulation of slag. R. Dolezal. 2,471,559, May 31.
 Installation for well control equipment. J. N. Gregory and L. W. Elder. 2,482,616, Sept. 20.
 Instantaneous tachometer method and apparatus. R. K. Boland and B. G. Hagaman. 2,492,617, Dec. 27.
 Instruction device. A. H. and B. M. Weis. 2,468,580, Apr. 26.
 Instruction device, Anatomical. H. E. Braeg. 2,483,034, Sept. 27.
 Inspection device, Automatic. C. H. Schlesman. 2,491,418, Dec. 13.
 Instructing device, Football. C. A. Engle. 2,458,984, Jan. 11.
 Instrument and bearing therefor. S. S. Green. 2,471,618, May 31.
 Instrument and support therefor, Musical. W. K. Krause. 2,478,537, Aug. 9.
 Instrument, Angular and linear calculating. E. W. Hunt. 2,471,327, May 24.
 Instrument attachment, Precision scribing. R. S. Thompson. 2,480,168, Aug. 30.
 Instrument, Barometric. C. J. Ulrich. 2,472,735, June 7.
 Instrument bow, Musical. E. B. Tichenor. 2,478,027, Aug. 2.
 Instrument, Catheter-type. L. H. Krippendorf. 2,472,483-5, June 7.
 Instrument, Celestial navigation. W. F. Hiltner. 2,471,686, May 31.
 Instrument, Celestial navigational. H. W. Young. 2,467,360, Apr. 12.
 Instrument, Continuous and intermittent recording. F. Q. Rast. 2,458,418, Jan. 4.
 Instrument, Control. E. M. Smith. 2,462,566, Feb. 22.
 Instrument, Control. J. P. Vollrath. 2,474,208, June 28.
 Instrument, Cutting. C. L. Cope. 2,465,305, Mar. 22.
 Instrument, Cutting. G. W. Johnson. 2,466,898, Apr. 12.
 Instrument, Cutting or punching. F. F. Weber. 2,480,797, Aug. 30.
 Instrument, Dental. R. D. Silverstein. 2,479,645, Aug. 23.
 Instrument, Direct-current measuring. S. C. Hoare. 2,484,567, Oct. 11.
 Instrument, Drafting. N. Free. 2,487,700, Nov. 8.
 Instrument, Drafting. O. F. Graff. 2,480,362, Aug. 30.
 Instrument, Drafting. J. Moran. 2,458,188, Jan. 4.
 Instrument, Drawing. E. S. Upton. 2,484,361, Oct. 11.
 Instrument, Electrical amplifying. J. J. Root. 2,492,537, Dec. 27.
 Instrument, Electric level and plumb. F. G. Nagoda. 2,476,428, July 19.
 Instrument, Electrical musical. D. L. Hings. 2,492,919, Dec. 27.
 Instrument, Electric musical. E. M. Spielman. 2,469,850, May 10.
 Instrument, Electric writing. H. Rapaport. 2,488,477, Nov. 15.
 Instrument, Electrical. G. H. Fritzinger. 2,460,686, Feb. 1.
 Instrument, Electrical control. J. A. Caldwell, W. H. Wannamaker, Jr., and G. W. Kuntz. 2,471,393, May 24.
 Instrument, Electrical measuring. M. C. Kunz. 2,459,081, Jan. 11.
 Instrument, Electrical measuring. J. C. Redman. 2,470,644, May 17.
 Instrument, Electrical musical. L. Hammond. 2,480,131, Aug. 30.
 Instrument, Electrical musical. L. Hammond and J. M. Hanert. 2,480,132, Aug. 30.
 Instrument, Electrical musical. J. M. Hanert. 2,468,062, Apr. 26.
 Instrument, Electrical musical. J. M. Hanert. 2,478,867, Aug. 9.
 Instrument, Electrical musical. N. Langer. 2,486,039, Oct. 25.
 Instrument, Electrical musical. M. J. Larsen. 2,485,751, Oct. 25.
 Instrument, Electrical musical. J. A. Oswald. 2,489,497, Nov. 29.
 Instrument, Electrically operable burning. W. A. Lobdell. 2,476,612, July 19.
 Instrument, Electronic keyboard. T. K. Rigen. 2,492,320, Dec. 27.
 Instrument, Electronic musical. A. R. Rienstra. 2,486,208, Oct. 25.
 Instrument, Embalming. L. E. De Baun. 2,489,756, Nov. 29.
 Instrument, Examining. J. E. Held. 2,479,237, Aug. 16.
 Instrument, Flight attitude indicating. T. W. Kenyon. 2,489,294, Nov. 29.
 Instrument for air craft, Combined attitude and directional. G. W. Hoover and E. E. Easton. 2,487,809, Nov. 15.
 Instrument for automatically affording direct indications of the ground speed and drift of aerial vehicles, Scanning mirror navigational. C. Dienstbach. 2,465,957, Mar. 29.
 Instrument for computing courses, Navigational. R. M. Shaw. 2,477,556, July 26.
 Instrument for controlling the firing of ordnance. E. P. Ross. 2,478,839, Aug. 9.
 Instrument for craft guidance, Automatic navigating. R. J. Herbold. 2,492,148, Dec. 27.
 Instrument for detecting strain in translucent materials. O. L. Altenberg. 2,457,799, Jan. 4.
 Instrument for determining the direction of the sun's rays, Architect's. R. B. Pollman. 2,478,315, Aug. 9.
 Instrument for drawing circular and curvilinear lines. G. A. Haederer. 2,470,697, May 17.
 Instrument for drawing ellipses, Drafting. R. G. Towle. 2,470,328, May 17.
 Instrument for electrosurgical resection. A. I. Willinsky. 2,487,502, Nov. 8.
 Instrument for geophysical exploration. T. Zuschlag. 2,461,864, Feb. 15.
 Instrument for hemoglobin determination having two filters to match the spectral curve of oxyhemoglobin. M. G. Brown. 2,481,567, Sept. 13.
 Instrument for landing aircraft. R. J. Herbold. 2,489,218, Nov. 22.
 Instrument for machined parts, Testing. J. B. Lovick. 2,474,482, June 28.
 Instrument for measuring and indicating the intensity of gas currents. W. Rohn. 2,468,896, May 3.
 Instrument for measuring impact strength of materials. C. R. Stock. 2,477,908, Aug. 2.
 Instrument for measuring impregnate in cloth, Thermometric. G. A. Perley. 2,477,526, July 26.

- Instrument for measuring resistances. A. Love. 2,460,095, Jan. 25.
- Instrument for measuring the Frankfort-mandibular plane angle, Orthodontic. D. J. Jamieson. 2,475,706, July 12.
- Instrument for photographic enlargers, Print control. A. Simmon and L. L. Weisglass. 2,480,422, Aug. 30.
- Instrument for post-mortem finger-printing. H. P. Peterson. 2,460,652, Feb. 1.
- Instrument for rockets, Indirect sighting. K. S. Pitzer. 2,463,200, Mar. 1.
- Instrument for rotary wing aircraft. J. S. Pecker. 2,469,780, May 10.
- Instrument for simulating attitude gyros, Aircraft training. R. C. Dehmel. 2,458,982, Jan. 11.
- Instrument for testing density of materials. H. W. Dietert. 2,463,159, Mar. 1.
- Instrument for testing the accuracy of the angle between two prism faces. B. E. Luboshez. 2,461,166, Feb. 8.
- Instrument for the measurement of surface finishes. H. H. Shaw. 2,474,015, June 21.
- Instrument for the presentation of quantitative data in visual graphic form. R. Senegas. 2,488,338, Nov. 15.
- Instrument for the treatment of fingernails. G. A. Carlson. 2,480,446, Aug. 30.
- Instrument for vehicle wheels, Gauging. W. and G. F. Bagge. 2,469,541, May 10.
- Instrument, Geometrical measuring and drafting. E. Richardson. 2,460,713, Feb. 1.
- Instrument, Hand sewing. D. A. Merson and I. J. Moritt. 2,479,017, Aug. 16.
- Instrument having a thread for a motion transmission link, Precision measuring. W. Whitehead. 2,468,906, May 3.
- Instrument having photoelectric cell and recording means for making eye measurements. G. F. Harding. 2,482,669, Sept. 20.
- Instrument, High-frequency surface testing. C. V. Lar- rick. 2,489,092, Nov. 22.
- Instrument housing and closure fastening device therefor. L. Sweet. 2,477,705, Aug. 2.
- Instrument, Illuminating writing. P. Bischof. 2,467,608, Apr. 19.
- Instrument, Impression. W. D. Curtman. 2,459,925, Jan. 25.
- Instrument, Inclination indicating. F. Lenzen and J. G. Jackson. 2,479,377, Aug. 16.
- Instrument, Indicating, controlling, and recording. E. H. Yonkers. 2,469,940, May 10.
- Instrument, Internal pivot electrical measuring. P. Huber and A. T. Williams. 2,463,770, Mar. 8.
- Instrument landing system. L. F. Jones. 2,490,306, Dec. 6.
- Instrument, Mapping. D. Landen. 2,487,814, Nov. 15.
- Instrument, Mathematical drawing. H. S. Liber. 2,487,345, Nov. 8.
- Instrument, Maxillo dental measuring. J. A. Salzmänn. 2,491,136, Dec. 13.
- Instrument, Measuring. A. E. Andersson. 2,481,276, Sept. 6.
- Instrument mounting. A. D. Coltman. 2,474,196, June 21.
- Instrument, Musical. N. J. Adair. 2,459,102-3, Jan. 11.
- Instrument, Musical. I. Ames. 2,488,111, Nov. 15.
- Instrument, Musical. G. Barr. 2,468,726, May 3.
- Instrument, Musical. J. Chappo. 2,459,500, Jan. 18.
- Instrument, Musical. R. T. Cornelius. 2,484,930, Oct. 18.
- Instrument, Musical. J. T. Kunz. 2,472,595, June 7.
- Instrument, Musical. H. Lewis. 2,485,498, Oct. 18.
- Instrument, Musical. W. and J. Muth, Jr. 2,471,534, May 31.
- Instrument, Musical. W. V. Nelson. 2,468,374, Apr. 26.
- Instrument, Musical. F. I. Samet. 2,478,549, Aug. 9.
- Instrument, Musical. D. Zaccagnino. Re. 23,162, Oct. 25.
- Instrument, Musical stringed. E. Strong. 2,469,582, May 10.
- Instrument, Musical wind. B. G. Ladd. 2,485,749, Oct. 25.
- Instrument, Navigation. C. W. Straw. 2,492,718, Dec. 27.
- Instrument, Navigation. R. L. Wathen. 2,467,412, Apr. 19.
- Instrument, Navigational plotting. E. E. Suiter. 2,485,674, Oct. 25.
- Instrument of the string type, Musical. C. B. Page. 2,473,442, June 14.
- Instrument panel and adjusting instruments thereon. L. T. Wen. 2,464,190, Mar. 8.
- Instrument panel, Steering wheel mounted. P. T. Tucker. 2,465,825, Mar. 29.
- Instrument panel with tolerance indicating means, Com- bined. L. T. Wen. 2,464,191, Mar. 8.
- Instrument particularly useful in connection with corneal grafting, Cutting. G. J. Jayle. 2,480,737, Aug. 30.
- Instrument, Pedicure. L. C. Rucker. 2,479,514, Aug. 16.
- Instrument, Pelt fleshing. R. W. Porteous. 2,492,534, Dec. 27.
- Instrument, Precision. C. O. Ullman. 2,489,733, Nov. 29.
- Instrument, Pressure measuring. A. F. Allwein. 2,484,541, Oct. 11.
- Instrument, Pressure measuring. G. W. Barnes, Jr., and J. G. Booth. 2,466,071, Apr. 5.
- Instrument, Scribing. W. A. Ross. 2,491,770, Dec. 20.
- Instrument, Scribing. J. Ruger. 2,458,208, Jan. 4.
- Instrument simulating means for grounded aviation train- ers. K. A. Kail. 2,487,758, Nov. 8.
- Instrument stabilizing mechanism. E. D. Gittens. 2,463,687, Mar. 8.
- Instrument, Stereoscopic observation. J. W. French and C. Foster. 2,484,160, Oct. 11.
- Instrument, Stereoscopic projection map-making. H. T. Kelsh. 2,492,870, Dec. 27.
- Instrument, Stringed musical. F. E. and O. H. Conkling. 2,492,845, Dec. 27.
- Instrument, Stringed musical. H. Hise and J. B. Cousineau. 2,467,086, Apr. 12.
- Instrument, Stringed musical. J. W. McBride. 2,479,757, Aug. 23.
- Instrument, Stringed musical. E. F. Stromberg. 2,478,136, Aug. 2.
- Instrument supporting device. R. E. Lee. 2,484,383, Oct. 11.
- Instrument, Surgical. J. J. Turner. 2,484,132, Oct. 11.
- Instrument, Surveying. A. E. Sanderson. 2,485,846, Oct. 25.
- Instrument, Synchromotor driven indicating. C. Weisman. 2,477,673, Aug. 2.
- Instrument, Taper measuring. O. J. Minuto. 2,472,306, June 7.
- Instrument, Telephone. G. T. Baker. 2,479,198, Aug. 16.
- Instrument, Vacuum tube measuring. A. W. Storm. 2,463,652, Mar. 8.
- Instrument, Voice reproducing. N. Bullian. 2,489,857, Nov. 29.
- Instrument, Wind. T. Rohner. 2,478,323, Aug. 9.
- Instrument, Wind drift. G. Lowkrantz and K. A. Kail. 2,485,301, Oct. 18.
- Instrument with adjustable lead, Writing. C. R. Young- quist. 2,463,345, Mar. 1.
- Instrument with chord tuning mechanism, String musical. J. D. Harlin. 2,458,263, Jan. 4.
- Instrument with electromagnetic feedback, Electrical. H. B. Rex. 2,485,657, Oct. 25.
- Instrument with magnetic drive, Indicating. G. E. Ford. 2,473,581, June 21.
- Instrument with split keyboard, Electrical musical. N. Langer. 2,458,178, Jan. 4.
- Instrument with tensioned strings, Musical. J. W. McBride. 2,489,657, Nov. 29.
- Instrument, Writing. H. J. Fahringer and B. E. Olsen. 2,468,258, Apr. 26.
- Instrument, Writing. A. F. O'Connor. 2,488,638-9, Nov. 22.
- Instrumentation assembly. L. E. Border. 2,465,628, Mar. 29.
- Instruments, Electron optical. A. M. Rennie. 2,472,316, June 7.
- Instruments, Making Bourdon tube. F. L. Fahy. 2,477,242, July 26.
- Instruments, Manufacture of Bourdon. G. A. Visser. 2,478,031, Aug. 2.
- Insufflation cannula. E. Myller. 2,480,041, Aug. 23.
- Insulated container. J. L. Hemp. 2,481,664, Sept. 13.
- Insulated structure. O. C. Daiber. 2,464,880, Mar. 15.
- Insulating and acoustical materials, Making. J. M. Camp- bell. 2,481,391, Sept. 6.
- Insulating and dielectric compositions. F. M. Clark. 2,460,126, Jan. 25.
- Insulating bushing. F. A. Buzzell. 2,470,886, May 24.
- Insulating composition. G. W. Stockton. 2,477,272, July 26.
- Insulating cover. W. M. Charman and B. F. Anthony. 2,462,255-6, Feb. 22.
- Insulating device, Vibration. N. Ivanovic. 2,460,829, Feb. 8.
- Insulating material. E. L. Schulman and R. D. Jerabek. 2,462,228, Feb. 22.
- Insulating material, Making calcareous-silicious. R. Lewon and G. P. Lechich. 2,483,498, Oct. 4.
- Insulating materials and making, Heat. L. H. D. Fraser. 2,469,379, May 10.
- Insulating materials, Heat-resistant. O. K. Johansson. 2,466,434, Apr. 5.
- Insulation. C. Weil. 2,482,527, Sept. 20.
- Insulation and manufacture. Plastic. M. R. Ximenez, J. H. Ferguson, and S. C. Bunce. 2,460,962, Feb. 8.
- Insulation composition, Disintegrated newsprint-boric acid. F. G. Portz. 2,470,641, May 17.
- Insulation, Electrical. W. B. MacKenzie. 2,464,455, Mar. 15.
- Insulation for electrical apparatus. N. C. Foster, L. R. Hill, R. H. Runk, and E. L. Schulman. 2,477,791, Aug. 2.
- Insulation for spherical tank shells and making the same. J. O. Jackson. 2,470,986, May 24.
- Insulation means for electrical apparatus. J. M. England. 2,473,332, June 14.
- Insulation-testing apparatus. H. A. Lines. 2,483,915, Oct. 4.
- Insulations, Making electrical. L. R. Hill, E. Bindschadler, and J. A. Campbell. 2,479,357, Aug. 16.
- Insulator and making the same, Commutator cone. E. M. Hausheer. 2,473,248, June 14.
- Insulator body, Porcelain. B. F. Dewey. 2,481,729, Sept. 13.
- Insulator for line wires. J. L. Grupe. 2,469,384, May 10.
- Insulator, Hermetically sealed electric. P. K. Chatterjee and S. J. Powers. 2,462,070, Feb. 22.

- Insulator mounting. J. H. Schumacher. 2,471,839, May 31.
- Insulator puller, Electric fence. E. H. Thureen. 2,475,208, July 5.
- Insulator, Standoff. K. Eriksen and C. W. Concelman. 2,476,407, July 19.
- Insulator support. C. Homann. 2,485,288, Oct. 18.
- Insulator, Trolley section. W. J. Lewis. 2,492,300, Dec. 27.
- Insulator, Trolley section. S. S. Matthes. 2,488,307-8, Nov. 15.
- Insulator, Vise grip. R. H. Benedict. 2,475,172, July 5.
- Insulin preparations. P. Durel and P. Dubost. 2,474,729, June 28.
- Intake manifold. F. Hartley. 2,464,504, Mar. 15.
- Interchange of electrical and acoustical energy. E. E. Turner, Jr. 2,473,835, June 21.
- Interchangeable eye lens frame. P. J. Massaro. 2,471,338, May 24.
- Integrating control device. M. N. Yardeny. 2,465,956, Mar. 29.
- Integrating meter. E. F. Stover. 2,487,679, Nov. 8.
- Integrating system. R. C. Olesen. 2,463,553, Mar. 8.
- Integrator, Audience reaction. C. A. Rackey and T. H. Phelan. 2,480,607, Aug. 30.
- Integrator, Weight. S. C. Brown. 2,488,760, Nov. 22.
- Intensified spark plug. W. Ellis, Jr. 2,487,319, Nov. 8.
- Interception trainer. C. J. Crane, G. V. Holloman, C. W. Muller, and R. K. Stout. 2,459,150, Jan. 18.
- Interceptor, Grease. A. Matheis. 2,479,386, Aug. 16.
- Interchangeable electrical condition responsive unit. W. H. Howe. 2,483,300, Sept. 27.
- Interchangeable plant and flower receptacle. M. M. and J. L. Schackett. 2,463,719, Mar. 8.
- Interengaging impeller fluid pump. K. A. Beier. 2,463,080, Mar. 1.
- Interference eliminating system. D. D. Grieg. 2,462,859, Mar. 1.
- Interference suppression system for radio receivers and the like. A. J. H. Oxford. 2,480,599, Aug. 30.
- Interferometric gauge. G. E. Merritt. 2,466,322, Apr. 5.
- Interfolding machine. J. J. Deloye. 2,468,254, Apr. 26.
- Interlock mechanism. G. B. Thieme. 2,481,629, Sept. 13.
- Interlock mechanism for switch and receptacle units. W. E. Parish. 2,470,944, May 24.
- Interlocking circular packing. J. T. Phipps. 2,464,653, Mar. 15.
- Interlocking device. G. G. Keyes. 2,463,696, Mar. 8.
- Interlocking device, Truck bolster. R. B. Cottrell. 2,473,012, June 14.
- Interlocking, Manufacturing, members for sliding clasp fasteners. E. Engel. 2,490,864, Dec. 13.
- Interlocking system, Electrical safety. J. B. Grover. 2,462,094, Feb. 22.
- Intermediate frequency unit. R. A. Becwar. 2,483,801, Oct. 4.
- Intermediate products in the production of dialkylamino vitamin A's. N. A. Milas. 2,483,347, Sept. 27.
- Intermediates for synthesis of amino acids, Preparation of. K. Pfister, III and M. Tishler. 2,489,927, Nov. 29.
- Intermediates for the production of vitamin B₁₂ and preparing the same. E. T. Stiller. 2,476,464, July 19.
- Intermission device for automatic phonographs. E. Wernherbo. 2,481,270, Sept. 6.
- Intermittent brake. B. G. Jones. 2,483,205, Sept. 27.
- Intermittent clutch. E. Jeschke. 2,485,738, Oct. 25.
- Intermittent discharge induction melting furnace. P. E. Petersen. 2,464,714, Mar. 15.
- Intermittent film-advancing mechanism. O. Wittel. 2,481,706, Sept. 13.
- Intermittent flush valve. W. S. White. 2,470,798, May 24.
- Intermittent movement. J. V. Davis. 2,486,128, Oct. 25.
- Intermittent photographic print washer. C. E. Mace. 2,460,425, Feb. 1.
- Intermitter for cased wells, Flow. A. Boynton. 2,470,681, May 17.
- Internal-combustion device. F. N. Bard. 2,468,019-20, Apr. 26.
- Internal-combustion engine. E. M. Barber. 2,469,448, May 10.
- Internal-combustion engine. F. H. Beall. 2,484,672, Oct. 11.
- Internal-combustion engine. H. W. Bell. 2,477,230, July 26.
- Internal-combustion engine. J. Burrough. 2,473,936, June 21.
- Internal-combustion engine. C. A. Carlson. 2,489,068, Nov. 22.
- Internal-combustion engine. H. D. Carter. 2,476,816, July 19.
- Internal-combustion engine. G. R. Ericson. 2,463,256, Mar. 1.
- Internal-combustion engine. H. O. Hedges. 2,460,257, Jan. 25.
- Internal-combustion engine. C. H. Jelley. 2,474,631, June 28.
- Internal-combustion engine. W. G. Lundquist. 2,466,550, Apr. 5.
- Internal-combustion engine. K. D. Mackenzie. 2,466,321, Apr. 5.
- Internal-combustion engine. J. B. Mallin. 2,483,288, Sept. 27.
- Internal-combustion engine. M. Mallory. 2,473,760, June 21.
- Internal-combustion engine. C. E. Messner. 2,466,256, Apr. 5.
- Internal-combustion engine. M. H. Moores. 2,461,757, Feb. 15.
- Internal-combustion engine. R. Périssé. 2,459,960, Jan. 25.
- Internal-combustion engine. J. H. Rothenberger. 2,465,270, Mar. 22.
- Internal-combustion engine. C. H. Vincent. 2,460,046, Jan. 25.
- Internal-combustion engine. E. A. Winfield. 2,474,879, July 5.
- Internal-combustion engine. A. H. Winkler. 2,489,230, Nov. 22.
- Internal-combustion engine. S. Q. Zimmerman. 2,485,951, Oct. 25.
- Internal-combustion engine and operating the same. G. P. Toews. 2,481,890, Sept. 13.
- Internal-combustion engine, Operating an. W. E. Lyons. 2,460,700, Feb. 1.
- Internal-combustion engines, Construction of. E. P. Faxman. 2,464,711, Mar. 15.
- Internal-combustion operated free-piston machine. E. S. L. Beale. 2,470,231, May 17.
- Internal expanding pipe wrench. E. B. Collins. 2,468,867, May 3.
- Internal expansion pipe wrench. J. R. Oravetz. 2,482,501, Sept. 20.
- Internal grinding tool. S. R. Keller. 2,483,773, Oct. 4.
- Internal shoe drum brake. F. G. Parnell. 2,459,958, Jan. 25.
- Internal structure for handbags, Quick-change. W. B. Holden. 2,464,312, Mar. 15.
- Internally expanding brake. R. A. Goepfrich and B. E. House. 2,475,491-2, July 5.
- Internally expanding brake. B. E. House. 2,487,756, Nov. 8.
- Internally expanding brake. B. E. House. 2,492,934, Dec. 27.
- Interpolymer of monovinylaromatic compounds, monocarboxylic olefinic acid and drying oil or acid. E. G. Bobalek. 2,470,757, May 24.
- Interpolymer produced from polyhydric alcohol, polybasic acid, and interpolymer of monovinylaromatic compound, olefinic acid, and drying oil or oil fatty acid. E. G. Bobalek. 2,470,752, May 24.
- Interpolymerization of thiophene and butadiene. P. D. Caesar and A. N. Sachanen. 2,469,326, May 3.
- Interpolymers of acrylamides and allyl aceto-acetates and producing same. G. D. Jones. 2,480,810, Aug. 30.
- Interpolymers of butadiene, acrylonitrile and a hexadiene. W. D. Wolfe. 2,491,433, Dec. 13.
- Interpolymers of drying oils, monoalkenyl-aromatic hydrocarbons, and divinyl benzene. G. A. Griess and A. S. Teot. 2,468,747, May 3.
- Interpolymers of styrene, allylic fumarate, and allylic alcohol, Treating. C. A. Heiberger. 2,461,735, Feb. 15.
- Interpolymers of vinylidene halides, dialkyl esters of maleic acid, and vinyl esters and making same. V. L. Folt. 2,460,573, Feb. 1.
- Interpolymers, Resinous. R. E. Holmen. 2,472,661, June 7.
- Interrupter, Circuit. B. P. Baker and D. C. Harker. 2,473,843, June 21.
- Interrupter, Circuit. B. P. Baker, R. C. Van Sickle, and J. M. Cumming. 2,473,844, June 21.
- Interrupter, Circuit. H. H. Fahnoe. 2,483,577, Oct. 4.
- Interrupter, Circuit. L. R. Ludwig and B. P. Baker. 2,473,892, June 21.
- Interrupter, Multiple gap arc. R. R. Pittman. 2,473,819, June 21.
- Interrupter, Telephone conversion temporary. N. J. Dutra. 2,480,289, Aug. 30.
- Interrupting device, Circuit. B. E. Spiro. 2,476,071, July 12.
- Intraoral fracture reduction appliance. B. F. Tofflemire. 2,481,177, Sept. 6.
- Introducing mercury into electric discharge lamps. B. N. Clack. 2,465,062, Mar. 22.
- Intubator apparatus for intestinal intubations. J. J. Wild. 2,489,067, Nov. 22.
- Invalid chair. J. G. Rideout. 2,476,769, July 19.
- Invalid wheel chair. J. G. Rideout. 2,485,016, Oct. 18.
- Inverted float steam trap. E. W. Carr and R. H. Peterson. 2,464,174, Mar. 8.
- Inverted V-type engine. A. G. Herreshoff and W. Lamb. 2,468,976, May 3.
- Inverter. H. Klemperer. 2,462,872, Mar. 1.
- Inverter. H. Klemperer. 2,475,621, July 12.
- Inverter and distorter for secret communications. L. E. Gabilovitch. 2,479,338, Aug. 16.
- Inverter, Frame. W. F. Ploch. 2,474,984, July 5.
- Inverter motor. A. L. Anderson and R. C. Burns. 2,459,611, Jan. 18.
- Investing method. J. Frei, Jr. 2,482,257, Sept. 20.
- Investment material. T. E. Moore and C. H. Watts. 2,479,504, Aug. 16.
- Investments for castings, Preparing. C. A. McFadden. 2,463,193, Mar. 1.
- Involute generating spur gear milling cutter. K. Frei. 2,491,720, Dec. 20.

- Iodoso diacylate catalysis of addition polymerization processes. L. M. Richards. 2,467,231, Apr. 12.
- Ion-exchange material from light oil acid sludges, Making an. J. R. Bircher, Jr. 2,485,352, Oct. 18.
- Ion exchange material, Regeneration of. F. K. Daniel. 2,461,506, Feb. 15.
- Ionic vacuum pump. R. C. Hergenrother. 2,460,175, Jan. 25.
- Ionization chamber. C. J. Brokowski. 2,479,600, Aug. 23.
- Ionization chamber. J. H. Parsons. 2,458,632, Jan. 11.
- Ionization chamber. S. A. Scherbatskoy. 2,470,224, May 17.
- Ionization chamber circuit. F. R. Shonka. 2,479,271, Aug. 16.
- Ionization chamber, Multigrid. R. E. Fearon. 2,480,808, Aug. 30.
- Ionizing means and ionization. M. Blau. 2,457,973, Jan. 4.
- Iris diaphragm blade. G. K. Czarnikow and C. R. Van Horn. 2,465,578, Mar. 29.
- Irish moss extract and its production. M. P. Hess and A. E. Siehrs. 2,462,398, Feb. 22.
- Irrigation flow regulator apparatus. J. R. L. Erickson. 2,465,975, Mar. 29.
- Iron: *See*—
- Adjustable soldering iron. Electric steam iron.
- Arc soldering iron. Fabric head steam and vacuum puff iron.
- Austenitic cast iron. Fur finishing iron.
- Cast iron. Soldering iron.
- Electric automatic soldering iron. Steam electric iron.
- Electric iron. Steaming and pressing iron.
- Electric solder-feeding iron. Steam iron.
- Electric soldering iron. Tape applying iron.
- Iron and stand, Electric. M. Levey. 2,485,299, Oct. 18.
- Iron and stand, Pressing. W. P. Fox. 2,461,264, Feb. 8.
- Iron assembly, Electric. W. H. McLelland and E. J. Ajax. 2,461,562, Feb. 15.
- Iron catalyst promoted with an alkali metal fluoborate, Preparing an. H. G. Vesterdal. 2,471,130, May 24.
- Iron chromium manganese alloy. H. Jolivet. 2,478,105, Aug. 2.
- Iron equipment, Soldering. G. D. Moody. 2,477,195, July 26.
- Iron for powder metallurgy purposes, Electrolytic. C. W. Balke. 2,464,168, Mar. 8.
- Iron-free mixtures of selenium and sulfur, Producing. J. J. O'Brien. 2,492,175, Dec. 27.
- Iron-freud acid-treated kaolin catalyst, Preparation of an. G. A. Mills and E. B. Cornelius. 2,489,309, Nov. 29.
- Iron-freud acid-treated kaolin catalyst, Preparation of an. H. A. Shabaker. 2,489,332, Nov. 29.
- Iron having a supporting mechanism, Electric. B. Cooper and A. F. Hohmann. 2,468,813, May 3.
- Iron having improved properties, Gray cast. K. D. Millis, A. P. Gagnebin, and N. B. Pilling. 2,485,761, Oct. 25.
- Iron having revolving disks in pressing surface, Electric. J. A. Holden. 2,476,663, July 19.
- Iron holder. S. Filato. 2,481,869, Sept. 13.
- Iron holder. S. Y. Shepard, Sr. 2,473,731, June 21.
- Iron ores, Froth flotation of. R. B. Booth and E. C. Herkenhoff. 2,461,875, Feb. 15.
- Iron ores, Reducing. V. F. Parry. 2,470,106, May 17.
- Iron-oxide type catalysts, Preparing pelleted. E. P. Davies and F. T. Eggertsen. 2,460,811, Feb. 8.
- Iron particles, Copper coating. E. C. Truesdale. 2,483,075, Sept. 27.
- Iron plug. L. Ludwig. 2,462,879, Mar. 1.
- Iron preparation and manufacture of same, Injectable. O. Schneider. 2,474,989, July 5.
- Iron support. W. M. Brady. 2,472,244, June 7.
- Iron with thermokinetic switch, Electric. A. G. Thomas. 2,470,532, May 17.
- Iron tip, Soldering. M. R. Hartnell. 2,472,296, June 7.
- Ironer. G. C. Watson. 2,483,682, Oct. 4.
- Ironer, Flatwork. H. D. Forse. 2,460,496, Feb. 1.
- Ironer, Flatwork. B. E. Maxon. 2,488,020, Nov. 15.
- Ironer shoe and control device. J. A. Briggs. 2,467,655, Apr. 19.
- Ironing board. E. C. Booth and F. Jones. 2,469,809, May 10.
- Ironing board and convertible mounting therefor. A. P. Lantz. 2,486,606, Nov. 1.
- Ironing board pad. B. H. Foster. 2,481,833, Sept. 13.
- Ironing device. R. G. Mayo. 2,484,899, Oct. 18.
- Ironing machine, Cabinet type. T. Harris and V. A. Skiba. 2,478,531, Aug. 9.
- Ironing machine control. W. H. Bradley. 2,478,565, Aug. 9.
- Ironing machine, Electric. F. T. Fuge. 2,472,891, June 14.
- Ironing table and stepladder, Combination. P. Capriotti. 2,482,652, Sept. 20.
- Irradiating apparatus. G. G. Ellner. 2,484,559, Oct. 11.
- Irradiation chambers, Making. S. O. Levinson and F. Oppenheimer. 2,476,152, July 12.
- Irrigator and cystometer, Tidal. S. A. Henderson. 2,486,405, Nov. 1.
- Island for well drilling. W. J. Travers, Jr. 2,472,869, June 14.
- Isoalloxazines, Preparing. W. G. Farkas and L. A. Flexser. 2,472,007, May 31.
- Isobaric control valve. H. P. Roth and W. H. Warstler. 2,485,113, Oct. 18.
- Isobutylene-diolefin copolymer, Dispersions of. E. H. Robbins. 2,476,430, July 19.
- Isobutylene extraction. B. S. Garrett. 2,470,207, May 17.
- Isobutylene-isoprene copolymers, Curing. F. P. Baldwin. 2,488,112, Nov. 15.
- Isobutylene-nitrosylchloride addition. A. J. Martin. 2,474,901, July 5.
- Isobutylene-nitrosyl chloride addition. A. J. Martin. 2,474,902, July 5.
- Isobutylene-nitrosyl chloride addition. A. J. Martin. 2,474,903, July 5.
- Isobutylene with a diolefin, Polymerization of. F. A. Palmer. 2,474,592, June 28.
- Isocyanate derivatives of proteins, Preparation of. H. L. Fraenkel-Conrat and H. S. Olcott. 2,460,980, Feb. 8.
- Isocyanates and products prepared therefrom and making the same. E. L. Kropa and A. S. Nyquist. 2,468,713, Apr. 26.
- Isocyanates, Producing. R. J. Slocombe, E. E. Hardy, and J. H. Saunders. 2,480,089, Aug. 23.
- Isodibenzanthrone, Making. M. Scalera and W. S. Forster. 2,468,606, Apr. 26.
- Isolating undenatured soybean protein. J. J. Eberl and R. T. Trelfa. 2,479,481, Aug. 16.
- Isolation of cross-linked polymers. H. Wittcoff. 2,477,552, July 26.
- Isolation of polygalacturonase. H. Lineweaver, R. Jang, and E. F. Jansen. 2,479,751, Aug. 23.
- Isolation of styrene by azeotropic distillation of ethylene chlorohydrin. K. H. Engel. 2,465,717, Mar. 29.
- Isolation of styrene by azeotropic distillation with ethylene diamine. K. H. Engel. 2,465,718, Mar. 29.
- Isolation of styrene by azeotropic distillation with dimethylamino ethanol. K. H. Engel. 2,465,716, Mar. 29.
- Isolation of styrene by azeotropic distillation with morpholines. K. H. Engel. 2,465,715, Mar. 29.
- Isolator, Vibration. E. Pietz. 2,470,185, May 17.
- Isomelamines, Isomerizing. J. T. Thurston. 2,482,076, Sept. 13.
- Isomeric substituted quinoline carboxylic acids and esters thereof, Separation of. M. E. Bouvier and M. M. Mosnier. 2,462,939, Mar. 1.
- Isomerization. J. A. O. Antheaume. 2,482,145, Sept. 20.
- Isomerization and alkylation of normal paraffins. L. A. Clarke. 2,470,144, May 17.
- Isomerization in the presence of a double fluoride catalyst. H. J. Passino. 2,489,975, Nov. 29.
- Isomerization of a low-boiling saturated hydrocarbon. F. E. Frey. 2,461,540, Feb. 15.
- Isomerization of cycloparaffins of non-hydroaromatic structure. R. N. Shiras, A. C. Nixon, and C. H. Deal, Jr. Re. 23,151, Sept. 20.
- Isomerization of hydrocarbons and improved catalysts therefor. J. W. Lathum, Jr. 2,464,201, Mar. 15.
- Isomerization of olefins in the presence of hydrogen fluoride impregnated alumina. A. G. Oblad and J. U. Mesenger. 2,471,647, May 31.
- Isomerization of 1,4-dicyano-2-butene. C. M. Langkammerer. 2,478,285, Aug. 9.
- Isomerization of paraffin hydrocarbons by contact with catalyst comprising aluminum chloride and ferric chloride. V. N. Ipatieff and H. Pines. 2,476,416, July 19.
- Isomerization of paraffins. J. D. Gibson. 2,461,598, Feb. 15.
- Isomerization of saturated hydrocarbons. H. S. Bloch. 2,490,853, Dec. 13.
- Isomerization process. H. J. Hepp. 2,461,545, Feb. 15.
- Isomerization process, Paraffin. J. L. Richmond. 2,461,568, Feb. 15.
- Isomerizing a low-boiling isomerizable saturated hydrocarbon. F. E. Frey. 2,461,541, Feb. 15.
- Iso-olefinic polymers, Stabilization of low unsaturation. C. F. Van Gilder. 2,470,447, May 17.
- Isoolefin polymerization catalyzed by Friedel-Crafts double salts. D. W. Young. 2,481,273, Sept. 6.
- Isothioureaides of aliphatic sulfides. E. Rohrmann. 2,463,998, Mar. 8.
- Isopenillic acid G and preparing the same. N. R. Trenner. 2,489,167, Nov. 22.
- Isoquinoline, Purification of. H. A. Kjellman, Jr. 2,483,420, Oct. 4.
- Itaconic acid, Production of. L. B. Lockwood and A. J. Moyer. 2,462,981, Mar. 1.
- Item comparing system, Electrical. A. H. Dickinson. 2,484,081, Oct. 11.
- Jack: *See*—
- Anode bar jack. Log lifting jack.
- Arched-lift jack. Low lift jack.
- Dash-controlled hydraulic jack. Portable lifting jack.
- Differential screw jack. Pump jack.
- Drill jack. Pumping jack.
- Dual purpose sleeve-spring jack. Scissors jack.
- Spring jack. Self-reversing power jack.
- Dynamometric jack. Shoe jack.
- Electrical distribution jack. Stope jack.
- Flooring jack. Telescoping tube screw jack.
- Hydraulic jack. Tractor jack.
- Ice fishing jack. Trench jack.
- Ladder jack. Vehicle jack.
- Lifting jack. Wagon bolster jack.

- Jack, J. W. Bour. 2,490,199, Dec. 6.
 Jack, J. D. Genier and J. L. Ruckart. 2,490,046, Dec. 6.
 Jack, W. Jackson. 2,479,362, Aug. 16.
 Jack, L. D. Leterman. 2,465,653, Mar. 29.
 Jack, H. E. Page. 2,463,797, Mar. 8.
 Jack, J. M. Salter. 2,467,500, Apr. 19.
 Jack accessory. A. H. Peglow. 2,462,418, Feb. 22.
 Jack and control means, Electrical. J. E. Chapman. 2,482,464, Sept. 20.
 Jack and engine starting device, Combination automobile. G. W. Harris. 2,458,590, Jan. 11.
 Jack attachment. W. S. Pine. 2,488,476, Nov. 15.
 Jack base, Safety. H. C. Clark, Jr. 2,474,725, June 28.
 Jack for airplanes, Dolly. L. G. Connor. 2,479,100, Aug. 16.
 Jack for automobile roofs, Roller. R. A. Pilsner. 2,469,987, May 10.
 Jack for automobile trailers, Hydraulic. G. J. Dourte. 2,459,508, Jan. 18.
 Jack for Diesel engines, Cranking. J. H. Kobbe. 2,462,509, Feb. 22.
 Jack for recapping machines, Tire. B. R. Walker. 2,480,204, Aug. 30.
 Jack for vehicles, Combination bumper and axle. J. Teague. 2,463,654, Mar. 8.
 Jack of pivoted rack and gear type, Collapsible automobile. A. M. Olson. 2,467,851, Apr. 19.
 Jack screw, Ball bearing. E. Anderson. 2,483,256, Nov. 15.
 Jack type tire removing tool. L. Vanleirsberghe. 2,464,621, Mar. 15.
 Jack with a reversible motor and safety ejection means, Screw. R. Laraque. 2,476,376, July 19.
 Jack with control responsive to abnormal conditions, Hydraulic pumping. S. C. Kyle. 2,470,252, May 17.
 Jack with two lifting phases, Toggle link. A. Niederhauser. 2,458,407, Jan. 4.
 Jacket construction. B. F. Cassens. 2,462,361, Feb. 22.
 Jacket for feeding bottles. F. P. Cortese. 2,482,322, Sept. 20.
 Jacket for molds, Slip-on. A. B. Henkel. 2,472,015, May 31.
 Jacket, Hospital bed. B. Lupo. 2,479,246, Aug. 16.
 Jacket, Mold. F. L. Madrigal. 2,473,160, June 14.
 Jacket, Nursing bottle. D. R. Hall. 2,489,773, Nov. 29.
 Jacket, Outdoor. R. H. Kerr. 2,458,004, Jan. 4.
 Jacket, Safety. T. La Maida. 2,477,989, Aug. 2.
 Jacket, Slip. H. W. Hershey. 2,477,483, July 26.
 Jar. J. S. Beck. 2,474,459, June 28.
 Jar, Anaerobe. J. H. Brewer. 2,463,143, Mar. 1.
 Jar and bottle combined, Vacuum. M. F. Bird. 2,462,461, Feb. 22.
 Jar, Vacuum. B. L. Noeth. 2,484,309, Oct. 11.
 Jaw crusher. S. W. Traylor, Jr. 2,464,732, Mar. 15.
 Jaw crusher, compound movement. A. R. Ebersol. 2,485,717, Oct. 25.
 Jaw crusher, including independent means for adjusting the discharge gap of each stage, Plural stage. A. R. Ebersol. 2,485,718, Oct. 25.
 Jaw for lock grip plier wrenches, Two-ply. L. E. Isele. 2,477,335, July 26.
 Jellies, Making high sugar content. H. T. Leo, C. C. Taylor, and J. W. Lindsey. 2,483,550, Oct. 4.
 Jet device for airfoils, Rotating. J. G. Lee. 2,477,461, July 26.
 Jet device for boat propulsion employing air and steam slugs. K. Rider. 2,486,495, Nov. 1.
 Jet directive device. R. H. Goddard. 2,491,610, Dec. 20.
 Jet engine. V. Isacco. 2,474,359, June 28.
 Jet engine, including a combustion chamber to which gaseous fuel is delivered under pressure. H. D. Harby. 2,483,045, Sept. 27.
 Jet for hollow-head-type barker having low-pressure water supply, Revolving high-velocity. H. E. Bukowsky. 2,463,084, Mar. 1.
 Jet heater. A. W. Buell. 2,481,077, Sept. 6.
 Jet power means for aircraft. A. B. Broluska. 2,463,352, Mar. 1.
 Jet propeller aircraft engine. S. J. Elsby. 2,490,623, Dec. 6.
 Jet propeller engine. H. E. Emigh. 2,465,856, Mar. 29.
 Jet propulsion means for helicopters. H. J. D. McCollum. 2,485,502, Oct. 18.
 Jet propulsion motor. J. S. Sharpe. 2,486,990, Nov. 1.
 Jet propulsion plant. F. B. Halford. 2,459,935, Jan. 25.
 Jet pump. W. C. Heath. 2,486,649, Nov. 1.
 Jettison fuel tank. D. P. Allen and R. Wise. 2,471,296, May 24.
 Jetty. H. Weber. 2,466,343, Apr. 5.
 Jewelry and clasp therefor, Article of. I. Pratt and W. B. Wollman. 2,462,425, Feb. 22.
 Jewelry box. H. A. Lees. 2,467,138, Apr. 12.
 Jewelry box. S. Trachtenberg. 2,461,787, Feb. 15.
 Jewelry clip. J. Ruderman. 2,469,994, May 10.
 Jewelry display. W. M. Brady. 2,481,903, Sept. 13.
 Jig. L. Luisi. 2,466,031, Apr. 5.
 Jig. A. Mettrick and D. Hook. 2,487,823, Nov. 15.
 Jig, Cable splicing. H. C. Engelke. 2,491,256, Dec. 13.
 Jig, Coil forming. E. F. Mueller. 2,468,223, Apr. 26.
 Jig, Connecting rod aligning. J. M. Lantz and E. R. Kerschall. 2,472,163, June 7.
 Jig, Dowelling. G. D. Long. 2,470,038, May 10.
 Jig, Drill. F. J. Griffin. 2,466,023, Apr. 5.
 Jig, Drill. F. H. Staggs. 2,475,263, July 5.
 Jig for assembling caskets or coffins. C. E. Garner, J. D. Matlock, Jr., L. C. Kramp, and J. H. Jamell. 2,476,721, July 19.
 Jig for assembling hollow structures. W. L. Lewis and F. C. Pahl. 2,458,788, Jan. 11.
 Jig for forming mitered pipe joints. G. Muhlack. 2,462,121, Feb. 22.
 Jig for manufacturing laminated timbers, Adjustable. C. D. Dosker. 2,472,006, May 31.
 Jig for portable tools. W. L. Bingaman. 2,486,386, Nov. 1.
 Jig for swivel links. C. G. Tago. 2,474,289, June 28.
 Jig, Grinding. A. Hazard. 2,488,060, Nov. 15.
 Jig, Hydraulic. C. S. Nawman. 2,466,120, Apr. 5.
 Jig nut. W. B. Herbert. 2,464,133, Mar. 8.
 Jig, Punch. J. F. Murphy. 2,458,524, Jan. 11.
 Jigsaw puzzle and quiz, Game combining. M. C. Grace. 2,481,109, Sept. 6.
 Jig, Siding repair. M. E. White. 2,464,474, Mar. 15.
 Jig, Semiautomatic. R. S. De Martini. 2,460,812, Feb. 8.
 Jig, Slotting. J. J. Arabian. 2,491,470, Dec. 20.
 Jig, Spot facing. W. T. Waller. 2,462,147, Feb. 22.
 Jig, Type pallet aligning. G. G. Dorr. 2,474,658, June 28.
 Jig, Type soldering. P. A. Kegevic. 2,486,171, Oct. 25.
 Jig, Universal drill. L. Luisi. 2,467,396, Apr. 19.
 Jiggering machine for forming articles of plastic clay. H. F. Allen. 2,474,509, June 28.
 Jigging apparatus and method. B. M. Bird. 2,487,845, Nov. 15.
 Joggle die. E. W. Hall. 2,479,161, Aug. 16.
 Joining and registering device for molding boxes. B. Faure. 2,462,373, Feb. 22.
 Joining electrical conductors and the like. E. E. Holke. 2,490,809, Dec. 13.
 Joint: See—
 Adjustable wave guide joint. Pipe joint.
 Bridge plate type rail joint. Pressure seal joint.
 Bumper sub safety joint. Prosthetic knee joint.
 Cable joint. Radio-frequency rotating joint.
 Cam action universal joint. Rail joint.
 Cavity joint. Railway rail joint.
 Constant velocity joint. Rotary joint.
 Constant velocity universal joint. Safety joint.
 Demountable sealed stove pipe joint. Steam joint.
 Disconnectable universal joint. Structural joint.
 Expansion joint. Swivel fixture joint.
 Extension joint. Swivel joint.
 Flexible joint. Swivel pipe joint.
 Flexible pipe joint. Swivel valve joint.
 Housing joint. Tool joint.
 Knuckle joint. Transmission belt joint.
 Lifting slip-joint. Tubular joint.
 Packless expansion joint. Ultra high frequency rotatable joint.
 Pipe expansion joint. Universal joint.
 Watertight cabinet joint.
 Wood joint.
 Joint. M. H. Alldredge. 2,461,866, Feb. 15.
 Joint. F. N. Bard. 2,473,502, June 21.
 Joint. J. H. Booth. 2,461,626, Feb. 15.
 Joint. H. A. Schofield. 2,457,836, Jan. 4.
 Joint and blade tension means, Scissors. D. C. Feather. 2,469,373, May 10.
 Joint assembly. J. H. Booth. 2,471,672, May 31.
 Joint assembly, Expansion and/or contraction. A. E. Brickman. 2,467,806, Apr. 19.
 Joint assembly, High-angle. J. H. Booth. 2,470,210, May 17.
 Joint breaker and cathead. J. H. Schreiber. 2,481,161, Sept. 6.
 Joint construction. T. Guthrie and G. R. Evans. 2,460,746, Feb. 1.
 Joint construction, Building unit. H. Hill. 2,458,074, Jan. 4.
 Joint construction, Wall panel. K. H. Miller. 2,472,981, June 14.
 Joint for exhaust structures, Expansion. P. A. Pitt and H. A. Sprenger. 2,458,635, Jan. 11.
 Joint for flat cells, Thermoplastic conductive. S. Ruben. 2,487,985, Nov. 15.
 Joint for garment stretchers, Adjustable. I. Blechman. 2,464,484, Mar. 15.
 Joint for hollow vessels, Gastight articulated. R. N. Hall. 2,465,373, Mar. 29.
 Joint for impact tools. H. S. Hoffar. 2,465,726, Mar. 29.
 Joint for mill drives, Universal. R. R. Millar. 2,460,648, Feb. 1.
 Joint for pipes, Adapter. H. L. White. 2,461,100, Feb. 8.
 Joint for propellers and other mechanisms, Articulated and universal. H. Murphy. 2,473,899, June 21.
 Joint for rearview mirrors and the like, Swivel. J. M. Robins. 2,465,751, Mar. 29.
 Joint for sewer pipes. N. P. Young. 2,492,823, Dec. 27.
 Joint for shafts. E. E. Wallace. 2,462,574, Feb. 22.
 Joint for steam pressing irons and other purposes, Steam-tight packless. A. Taliento. 2,465,495, Mar. 29.
 Joint for transmission lines, Sliding. C. E. McClellan. 2,470,631, May 17.
 Joint for two components, Mechanical. W. K. A. Böhme. 2,465,055, Mar. 22.
 Joint for umbrellas, Remote-control counterbalance tilting. R. A. Russell. 2,475,406, July 5.

- Joint for vacuum tubes, Sealed demountable. H. Saucet. 2,485,926, Oct. 25.
- Joint for wallboards, Corner. C. K. Barge. 2,458,925, Jan. 11.
- Joint or coupling, Telescopic pipe. P. E. Thomas. 2,476,929, July 19.
- Joint protector. T. E. Meany. 2,460,895, Feb. 8.
- Joint seal for pressure vessels or the like. H. A. Schmitz, Jr. 2,483,156, Sept. 27.
- Joint structure, Pivoted. E. Schwarzkopf. 2,488,562, Nov. 22.
- Jointer, Saw. G. F. Wheeler. 2,463,007, Mar. 1.
- Joining of conductors of electric cables. C. J. Beaver and E. L. Davey. 2,459,212, Jan. 18.
- Joints between noncircular tubular members having corners, Making. W. R. Ost. 2,480,598, Aug. 30.
- Joints, Forming riveted. H. E. Veit. 2,464,622, Mar. 15.
- Joints, Freeing mechanical. L. R. Heim. 2,476,728, July 19.
- Joints, Making cable. K. S. Wyatt. 2,463,231, Mar. 1.
- Joist. S. F. McIntosh. 2,459,037, Jan. 11.
- Joist, Radiant heating bar. R. E. Spiker. 2,477,394, July 26.
- Journal assembly, Replaceable bearing. W. F. Kester. 2,481,931, Sept. 13.
- Journal connection. R. B. Cottrell. 2,486,123, Oct. 25.
- Journal connection, Rocking. R. B. Cottrell. 2,488,853, Nov. 22.
- Journal lubricator. S. B. Gaither. 2,480,567, Aug. 30.
- Journal lubricator. H. F. Hackedorn, Jr. 2,477,177, July 26.
- Journaling a shaft in a bushing. W. Paulus and E. V. Schaal. 2,480,043, Aug. 23.
- Juice extractor. R. Lapps. 2,481,848, Sept. 13.
- Juice, Making rhubarb. O. C. Stout. 2,459,901, Jan. 25.
- Juice treatment, Sugar. E. M. Copp. 2,488,851, Nov. 22.
- Juicer for fruits and vegetables with vertical axis rotating grater plate. W. E. Gundelfinger. 2,481,010, Sept. 6.
- Jumper line and clamp therefor, Electrical. T. H. Bowen. 2,472,000, May 31.
- Junction box. H. C. Jones, Jr. 2,477,131, July 26.
- Justifier for typewriters. E. R. Couden. 2,491,163, Dec. 13.
- Kaleidoscope. H. A. Papke. 2,464,055, Mar. 8.
- Kaleidoscopic apparatus for projecting symmetrical designs. H. G. Wesley. 2,475,930, July 12.
- Keeper for door bolts. W. H. Schneider. 2,472,174, June 7.
- Keeper for straps and cords. L. L. Sherwood. 2,481,788, Sept. 13.
- Keg closure. V. Alvear. 2,462,930, Mar. 1.
- Keratin derivatives and preparation thereof. W. H. Ward and C. H. Binkley. 2,474,339, June 28.
- Keratin meal, Preparing a bleached. R. Neiger and V. Nachazel. 2,476,758, July 19.
- Kerf-cutting machine. L. D. Hagenbook. 2,478,389, Aug. 9.
- Ketals, Preparation of. W. J. Croxall and H. T. Neher. 2,490,337, Dec. 6.
- Ketene condensation products with aldehydes. H. J. Hagemeyer, Jr. 2,466,420, Apr. 5.
- Ketenes, Preparing. C. J. Miller, Jr., and B. E. Sorenson. 2,465,337, Mar. 29.
- Ketenes with quinones, Condensation of. H. J. Hagemeyer, Jr. 2,481,742, Sept. 13.
- Keto thiophanes and preparing same. B. R. Baker. 2,475,580, July 12.
- Ketoamines, Production of. M. L. Moore and J. R. Corrigan. 2,460,143, Jan. 25.
- Ketogulonic acid, Production of. J. Overhoff and H. W. Huyser. 2,467,442, Apr. 19.
- Ketones. A. C. Byrns. 2,463,742, Mar. 8.
- Ketones, Extraction of. A. Gathman and R. W. Egberts. 2,487,124, Nov. 8.
- Ketones for catalytic reaction of olefins and acid anhydrides, Preparation of. C. E. Johnson. 2,458,603, Jan. 11.
- Ketones, Reduction of. P. J. Breivogel. 2,474,216, June 28.
- Ketones with formaldehyde, Condensation of. H. Wittcoff. 2,462,031, Feb. 15.
- Kettle furnace. O. R. Olson. 2,460,392, Feb. 1.
- Key, Adjustable draw. R. K. Wade. 2,480,429, Aug. 30.
- Key and key extractor, Combined shaft. C. M. Farrington. 2,459,221, Jan. 18.
- Keyboard and soft pedal action, Piano. A. H. Howe. 2,482,619, Sept. 20.
- Keyboard cover. P. M. Fuller. 2,481,103, Sept. 6.
- Keyboard for musical instruments. G. W. Demuth. 2,470,148, May 17.
- Keyboard instrument, Photoelectric. E. M. Spielman. 2,484,914, Oct. 18.
- Keyboard, Transposing. W. H. Watkins. 2,485,795, Oct. 25.
- Key, Can opening. G. P. Ziehmer, Jr. 2,478,962, Aug. 16.
- Key case. D. J. Broughton. 2,470,466, May 17.
- Key case. F. Cannon. 2,468,959, May 3.
- Key case. N. J. Duyn. 2,467,614, Apr. 19.
- Key case. W. E. Joslin. 2,485,051, Oct. 18.
- Key case. B. H. Kaminer. 2,482,623, Sept. 20.
- Key case. A. W. Magee. 2,462,206, Feb. 22.
- Key case and flashlight, Combined. M. A. Corigliano. 2,481,295, Sept. 6.
- Key container. N. E. Olson. 2,472,337, June 7.
- Key container. C. G. Smith. 2,463,815, Mar. 8.
- Key container. W. M. Smyser and S. C. Rheberg. 2,481,359, Sept. 6.
- Key container. J. P. Tarbox. 2,479,524, Aug. 16.
- Key controlled lock. E. Audet. 2,458,046, Jan. 4.
- Key for collapsible tubes, Winding. S. W. B. Renouf. 2,492,594, Dec. 27.
- Key for extracting contents from collapsible tubes, Removable and reusable. R. R. Aluise. 2,467,719, Apr. 19.
- Key for key operated machines. B. L. Henry. 2,484,886, Oct. 18.
- Key for use with locks in which the tumblers are movable parallel to the axis of the plug, Adjustable. C. J. Borda. 2,473,273, June 14.
- Key holder. A. R. Allard. 2,491,634, Dec. 20.
- Key holder. L. Eisenman. 2,488,661, Nov. 22.
- Keyholder. I. Herriott. 2,473,428, June 14.
- Key holder. S. Leff. 2,490,396, Dec. 6.
- Key holder. E. R. Loew. 2,482,422, Sept. 20.
- Key holder. N. J. Patts. 2,467,985, Apr. 19.
- Key interlock. B. Carlstrom and E. Grip. 2,485,695, Oct. 25.
- Key mounting. E. F. Swanson. 2,466,511, Apr. 5.
- Key retainer and positioner, Cylinder lock. G. E. Swanson. 2,469,018, May 3.
- Key ring. O. V. Anderson. 2,459,405, Jan. 18.
- Key ring with a sliding closure member. H. C. Vaisey and F. G. Deming. 2,482,386, Sept. 20.
- Keystone modulation system. I. C. Abrahams and D. E. Norgaard. 2,476,690, July 19.
- Key, Telegraph. C. M. Hayman. 2,459,027, Jan. 11.
- Key, Telegraph. F. E. Schaeffer. 2,475,257, July 5.
- Key with bisecting plate, Telephone. H. Dorjee. 2,485,818, Oct. 25.
- Keyer circuit. D. M. Lowe. 2,477,634, Aug. 2.
- Keyer for code transmitters, Automatic. W. W. McGoffin. 2,481,607, Sept. 13.
- Keyer, Multitone. J. P. Lekas. 2,492,160, Dec. 27.
- Keyer, Two-tone. E. R. Shenk. 2,459,462, Jan. 18.
- Keying means, Electronic. T. J. George. 2,483,823, Oct. 4.
- Keyless lock. H. Cordrey and W. J. Duvall. 2,473,052, June 14.
- Kiddy-car and article carrier, Combination. E. K. Wolfe. 2,468,532, Apr. 26.
- Killing bacteria in presence of a fatty acid soap with quaternary compounds. H. C. Marks. 2,479,850, Aug. 23.
- Kiln and firing the same. E. E. Slick. 2,491,625, Dec. 20.
- Kiln for burning cement, ore, and similar materials, Rotary. L. D. Parker. 2,475,754, July 12.
- Kiln for drying lumber. H. L. Russell and H. H. McManus. 2,489,820, Nov. 29.
- Kinematographic apparatus, Continuous feed. J. A. Maytum. 2,476,503-4, July 19.
- Kit, Attachable creel. F. E. Rockhill. 2,481,618, Sept. 13.
- Kit, Beauty. F. Freiberg. 2,491,101, Dec. 13.
- Kit, Demonstration. J. F. Horton, Jr., and R. S. Lee. 2,489,779, Nov. 29.
- Kit, Demonstration. O. J. Long and A. C. Roy. 2,492,532, Dec. 27.
- Kit, Dental. J. C. White. 2,481,056, Sept. 6.
- Kit, Electric shaving. H. F. Nenko. 2,458,721, Jan. 11.
- Kit, Fisherman's. O. A. Montgomery. 2,474,752, June 28.
- Kit, Handy shoeshine. J. W. Atkins. 2,484,442, Oct. 11.
- Kit, Shoe shining. O. H. Berman. 2,483,873, Oct. 4.
- Kit, Knitting. A. Mitchell. 2,465,466, Mar. 29.
- Kit, Painter's. C. K. Spangler, and K. E. Sather. 2,469,749, May 10.
- Kit, Tire chain. H. St. Pierre. 2,489,986, Nov. 29.
- Kit, Toilet. F. E. Le Baron. 2,487,883, Nov. 15.
- Kit, Tool. J. N. Petre. 2,487,174, Nov. 8.
- Kit, Utility tool. L. Strauss. 2,478,063, Aug. 2.
- Kit, Water-color painting. E. F. Crane. 2,463,749, Mar. 8.
- Kit with toothpaste tube dispensing clamp, Toilet. R. D. Smith. 2,488,743, Nov. 22.
- Kit, Wrench. R. C. Veit. 2,465,619, Mar. 29.
- Kite. G. C. Blazi. 2,476,801, July 19.
- Kite. W. D. and A. D. Cobb. 2,488,118, Nov. 15.
- Kire. R. M. Cox. 2,479,473, Aug. 16.
- Kite. M. Kay. 2,484,096, Oct. 11.
- Kite. S. C. Simons. 2,484,316, Oct. 11.
- Kite. E. N. Winslow. 2,472,137, June 7.
- Kite and control, Flying. H. K. Hole. 2,472,075, June 7.
- Kite, Airplane. R. P. Wills. 2,460,959, Feb. 8.
- Kite, Collapsible. J. F. Neary. 2,465,917, Mar. 29.
- Kite, "Flying wing." R. F. Bach. 2,463,135, Mar. 1.
- Kite plane device. M. E. Nissen. 2,473,213, June 14.
- Kite, Pneumatic. M. Haas. 2,486,158, Oct. 25.
- Kite, Water. A. P. Steckel. 2,462,568, Feb. 22.
- Kitchen appliance, Power driven palm grasped. M. H. Frisbie. 2,483,727, Oct. 4.
- Kitchen machine, Turret-type domestic. P. Hubmann. 2,483,905, Oct. 4.
- Knee joint for artificial legs. I. Tounson. 2,466,134, Apr. 5.
- Knee pad. R. O. Ferguson. 2,484,494, Oct. 11.
- Kneepad. F. Russell. 2,476,565, July 19.
- Knife. H. E. Harson. 2,480,365, Aug. 30.
- Knife. G. R. Kennerley. 2,477,886, Aug. 2.
- Knife. M. A. Miranda. 2,479,855, Aug. 23.
- Knife. J. E. Nelson. 2,491,575, Dec. 20.
- Knife assembly and stripper for meat tendering machines. A. H. Ahndt. 2,472,800, June 14.

- Knife blade or plug type electric switch. C. A. Anderson. 2,489,070, Nov. 22.
- Knife, Cake and pie. S. A. Weinberg. 2,471,466, May 31.
- Knife, Cutting. M. Finkelstein. 2,467,585, Apr. 19.
- Knife, Fruit pitting. A. Besag and O. T. Goetz. 2,489,612, Nov. 29.
- Knife for lauter machines. F. Stegmaier. 2,490,384, Dec. 6.
- Knife head for apple slicing machinery. J. B. Floyd. 2,487,431, Nov. 8.
- Knife, Multiple. M. E. Becker. 2,464,206, Mar. 15.
- Knife, Putty. F. B. Lewandowski. 2,472,668, June 7.
- Knife, Ribbing. C. M. Savrda. 2,484,426, Oct. 11.
- Knife, Roofers'. D. C. Beaver. 2,459,407, Jan. 18.
- Knife, Rotary disk. A. H. Ahrndt and P. H. Meyer. 2,472,876, June 14.
- Knife, Safety. A. C. Wolf. 2,474,609, June 28.
- Knife, Safety culinary. E. M. Wiggers. 2,487,624, Nov. 8.
- Knife sharpener, Forage harvester. M. W. Bloom and P. A. Whisler. 2,476,177, July 12.
- Knife slot closing plate, Cutting. F. W. Seybold. 2,467,537, Apr. 19.
- Knife structure for lawn mowers and the like. G. Swahnberg. 2,490,169-70, Dec. 6.
- Knife, Utility. C. J. Huff. 2,467,481, Apr. 19.
- Knife with detachable blade. S. Doniger. 2,463,682, Mar. 8.
- Knives, Handling chipper. S. D. Payzer. 2,470,262, May 17.
- Knit goods and the like, and methods. L. W. Gottschalk. 2,469,961, May 10.
- Knitted fabric. H. H. Holmes. 2,468,668, Apr. 26.
- Knitted fabric. J. R. Little, Jr., and I. Gross. 2,476,153, July 12.
- Knitted fabric, Manufacturing. G. C. A. Alric. 2,480,894, Sept. 6.
- Knitted ware true to shape, Manufacture of. F. Seiler. 2,469,134, May 3.
- Knitting. B. Johnson. 2,462,401, Feb. 22.
- Knitting apparatus. C. D. Wood. 2,490,607, Dec. 6.
- Knitting finger ring. H. Greenstein. 2,472,702, June 7.
- Knitting machine. R. C. Amidon. 2,469,360, May 10.
- Knitting machine. P. W. Bristow. 2,470,803, May 24.
- Knitting machine. H. E. and C. Crawford. 2,473,677, June 21.
- Knitting machine. O. Fregeolle. 2,464,126, Mar. 8.
- Knitting machine. G. O. Young. 2,461,583, Feb. 15.
- Knitting machine. G. O. Young. 2,476,344, July 19.
- Knitting machine. G. O. Young. 2,480,175, Aug. 30.
- Knitting machine and patterning mechanism therefor. R. Peberdy. 2,463,639, Mar. 8.
- Knitting machine attachment. F. G. Weisbecker. 2,460,050, Jan. 25.
- Knitting machine cam race. W. A. Zieve. 2,475,170, July 5.
- Knitting machine, Circular. P. A. Brooks. 2,481,718, Sept. 13.
- Knitting machine, Circular. F. E. Deans and C. H. Wainwright. 2,466,933, Apr. 12.
- Knitting machine, Circular. F. Staples. 2,461,851, Feb. 15.
- Knitting machine lubricator. E. St. Pierre. 2,488,346, Nov. 15.
- Knitting machine, Seamless hosiery. L. W. Gottschalk and C. N. Woodrow. 2,474,895, July 5.
- Knitting machine, Seamless hosiery. J. C. Williams and L. W. Gottschalk. 2,474,925, July 5.
- Knitting machine, Straight bar. W. A. Cooper and E. Start. 2,466,536, Apr. 5.
- Knitting machine, Straight bar. W. G. Macdonald and W. A. Cooper. 2,480,943, Sept. 6.
- Knitting machine, Straight-bar. H. W. and E. Start. 2,472,175, June 7.
- Knitting machine, Warp. R. A. Fuhrer, R. H. Roughsedge, and H. G. Lustig. 2,486,525, Nov. 1.
- Knitting machine, Warp. F. Lambach. 2,461,550, Feb. 15.
- Knitting machine, Wreath. F. R. Slavek. 2,465,665, Mar. 29.
- Knitting needle holder. A. A. Y. Giovanini. 2,461,816, Feb. 15.
- Knitting process. R. F. W. Krueger. 2,485,746, Oct. 25.
- Knob, Indicating control. A. A. Seasongood. 2,470,582, May 17.
- Knob of thermoplastic material, Control. G. V. Jakeway. 2,473,648, June 21.
- Knobless door latch. F. W. Russell. 2,492,322, Dec. 27.
- Knockdown carton. A. G. Edtmiller. 2,472,698, June 7.
- Knockdown hammock support. S. Klein. 2,468,209, Apr. 26.
- Knockdown sheet metal cabinet. H. Lew. 2,461,219, Feb. 8.
- Knockdown stand. S. Fidel. 2,464,031, Mar. 8.
- Knockdown stand or table. C. P. Molla. 2,474,318, June 28.
- Knockdown utility cabinet. F. Albach and G. R. Chervonka. 2,483,606, Oct. 4.
- Knot tier, Fisherman's barrel. J. W. Harvey. 2,469,037, May 3.
- Knuckle joint. C. C. Brown. 2,459,614, Jan. 18.
- Knuckle, Pin-gear. R. G. Hilton and B. C. Highsaw. 2,482,415, Sept. 20.
- Knurling tool. V. Barker. 2,475,216, July 5.
- Label applying mechanism. G. W. von Hofe. 2,492,908, Dec. 27.
- Label dispenser. C. A. Flood. 2,484,880, Oct. 18.
- Label holder. L. A. Amis. 2,461,103, Feb. 8.
- Labeler. C. M. Hesson. 2,471,066, May 24.
- Labeler, Box head. M. W. Flynn. 2,484,701, Oct. 11.
- Labeling machine. R. J. Newman and D. S. Freund. 2,461,295, Feb. 8.
- Labeling machine. G. W. von Hofe. 2,484,435, Oct. 11.
- Labeling machine. G. W. van Hofe. 2,489,836, Nov. 29.
- Labeling machine, Container. T. Paisley. 2,464,937, Mar. 22.
- Laboratory device. L. W. Druge. 2,465,434, Mar. 29.
- Labyrinth packing. G. F. Gayer. 2,458,988, Jan. 11.
- Lace web separation. J. Spalding. 2,468,310, Apr. 26.
- Lacquer for polystyrene. E. O. Ohlmann. 2,486,971, Nov. 1.
- Lacquer for the protection of electrical components, Moisture-resistant. C. R. Pye. 2,460,103, Jan. 25.
- Lacquer, Fungicidal. W. S. Osborne. 2,472,847, June 14.
- Lacquer, Moistureproof heat sealing. C. G. Murphy and J. P. Sermattei. 2,490,536, Dec. 6.
- Lacquers and their manufacture, Phenol oxide resin. G. H. Ott and W. Kraus. 2,458,796, Jan. 11.
- Lactal food products, Making. R. E. Meade and P. D. Clary, Jr. 2,465,907, Mar. 29.
- Lactic acid, Producing. K. W. Fries. 2,474,046, June 21.
- Lactone derivatives of 2-pyridone compounds. W. F. Bruce. 2,459,360, Jan. 18.
- Lactone of 2 methyl 3 hydroxy 4 carboxy 5 hydroxymethyl pyridine, Preparing the. D. Heyl. 2,469,554, May 10.
- Lactones. R. J. Williams. 2,465,303, Mar. 22.
- Lactones, Production of. D. G. Jones and F. Dean. 2,463,776, Mar. 8.
- Lactonization of 2,4-polyhalogenoalkanoic esters. E. C. Ladd and H. Sargent. 2,485,100, Oct. 18.
- Lactose, Preparation of high-grade crude. E. F. Almy and O. F. Garrett. 2,477,558, Aug. 2.
- Ladder. H. A. Johns. 2,469,559, May 10.
- Ladder. C. E. Nyberg. 2,478,592, Aug. 9.
- Ladder. A. R. Ross. 2,485,413, Oct. 18.
- Ladder attachment. L. A. Buell. 2,466,838, Apr. 12.
- Ladder attachments, Adjustable. E. E. Kreissler and F. C. Wilkinson. 2,459,437, Jan. 18.
- Ladder bracket. F. R. Pennington. 2,488,984, Nov. 22.
- Ladder construction. J. Kydd. 2,469,071, May 3.
- Ladder extension. C. O. Houston. 2,458,076, Jan. 4.
- Ladder for hanging paper. J. Jenkins. 2,471,110, May 24.
- Ladder jack. C. Armstrong. 2,485,685, Oct. 25.
- Ladder jack. E. L. Coble. 2,469,593, May 10.
- Ladder roller mounting. E. von Bolhar. 2,477,221, July 26.
- Ladle for casting metals and the like. J. A. Tolelk. 2,477,838, Aug. 2.
- Ladle, Plumber's. J. Rigano. 2,476,626, July 19.
- Lady's emblematic cap. B. J. Johnson. 2,479,239, Aug. 16.
- Lady's portable powder dispenser. P. Wolfers. 2,472,874, June 14.
- Laminated articles, Manufacture of. M. G. Whitfield. 2,481,962, Sept. 13.
- Laminated inner shoe protector. A. A. Moore. 2,463,296, Mar. 1.
- Laminated product embodying a low odor phenol-formaldehyde resin. J. J. Wachter. 2,465,299, Mar. 22.
- Laminated products, Obtaining. K. L. Berry. 2,484,484, Oct. 11.
- Laminated safety glass, Method and apparatus for producing. C. B. Williams, Jr. 2,464,540, Mar. 15.
- Laminated wooden bowling pin. R. C. Diehl. 2,471,316, May 24.
- Laminates embodying mixed phenol-arylamine-formaldehyde resinous products. F. J. Nagel. 2,482,499, Sept. 20.
- Laminating. T. de Forest. 2,468,656, Apr. 26.
- Laminating by means of an isoelefin-diolefin interpolymer tie ply. F. P. Baldwin. 2,469,710, May 10.
- Laminating composite safety glass. J. H. Boicey. 2,466,078, Apr. 5.
- Laminating machine. R. W. Auxier and P. Norelli. 2,479,290, Aug. 16.
- Laminating press. P. Z. Anderson. 2,487,631, Nov. 8.
- Lamp: See—
- Are lamp. Incandescent lamp.
 - Ballast lamp. Low-power miniature fluorescent and/or glow lamp.
 - Bed lamp.
 - Corner wall lamp.
 - Darkroom lamp.
 - Desk lamp.
 - Dimming lamp.
 - Electric gaseous discharge lamp.
 - Electric glow discharge lamp.
 - Electric projection lamp.
 - Flash lamp.
 - Floor lamp.
 - Fluorescent inspection lamp.
 - Fluorescent lamp.
 - High-pressure mercury vapor lamp.
 - Incandescent lamp.
 - Low-power miniature fluorescent and/or glow lamp.
 - Modulable electric discharge lamp.
 - Molded discharge lamp.
 - Negative glow lamp.
 - Outdoor reflecting lamp.
 - Photoflash lamp.
 - Portable lamp.
 - Positive column lamp.
 - Reading lamp.
 - Reflecting electric lamp.
 - Safe incandescent lamp.
 - Therapeutic lamp.
 - Ultraviolet lamp.
 - Utility electric lamp.

- Lamp. K. Berger. 2,458,136, Jan. 4.
 Lamp. I. H. Kravitt. 2,488,087, Nov. 15.
 Lamp. D. Trompeter. 2,472,632, June 7.
 Lamp and assembly therefor, Fluorescent. M. C. Levy. 2,472,597, June 7.
 Lamp and its low-tension ignition, Arc. D. Reichinstein. 2,474,403, June 28.
 Lamp and manufacture, Incandescent. A. Greiner. 2,465,084, Mar. 22.
 Lamp and mounting therefor, Projection. W. Griffin. 2,485,377, Oct. 18.
 Lamp and socket, Electric. F. J. Trainor. 2,468,846, May 3.
 Lamp and the manufacture thereof, Metallic filament incandescent electric. R. K. Braunsdorff. 2,489,261, Nov. 29.
 Lamp changer. J. P. Foulds. 2,465,795, Mar. 29.
 Lamp control, Arc. B. Hopkins and R. A. Woods. 2,489,137, Nov. 22.
 Lamp device. J. Schwab. 2,462,562, Feb. 22.
 Lamp envelope and protecting the same, Coated. J. O. Aicher. 2,476,649, July 19.
 Lamp failure indicator. P. H. Kuever, Jr. 2,489,649, Nov. 29.
 Lamp fixture, Fluorescent. S. M. Weisberg. 2,486,695, Nov. 1.
 Lamp for automobiles, Rear blinker. P. R. Slosar. 2,469,581, May 10.
 Lamp for endoscopic instruments. I. Suwa. 2,473,479, June 14.
 Lamp for optical temperature measurements, Pyrometer. A. Jagersberger. 2,469,115, May 3.
 Lamp for series service, Incandescent electric. C. M. Rively and K. G. Crocker. 2,482,509, Sept. 20.
 Lamp having a lens for establishing an antiglare screen. E. A. Ackerman. 2,484,796, Oct. 11.
 Lamp holder. G. H. Burt. 2,468,481, Apr. 26.
 Lamp installation, Germicide. L. A. Pope. 2,485,410, Oct. 13.
 Lamp manufacture, Electric. V. L. Plagge. 2,464,990, Mar. 22.
 Lamp manufacture, Electric. J. A. M. van Liempt and J. Bergmans. 2,482,447, Sept. 20.
 Lamp mounting. J. L. Suter. 2,489,686, Nov. 29.
 Lamp of double spiral convolution, Electric. A. Greiner. 2,473,878, June 21.
 Lamp or discharge tube, Electric incandescent. H. Gooskens. 2,465,797, Mar. 29.
 Lamp shade, Flatted. T. Klint. 2,463,114, Mar. 1.
 Lamp socket and resistor therefor. L. L. Stoffel. 2,483,247, Sept. 27.
 Lamp socket, Electric. G. B. Benander. 2,483,120, Sept. 27.
 Lamp socket for series lighting circuits. M. C. Waltz. 2,484,596, Oct. 11.
 Lamp socket for tubular lamps having contact pins at their ends. N. Decker. 2,467,256, Apr. 12.
 Lampstand with bell, Ornamental. I. Klein. 2,462,750, Feb. 22.
 Lamp standard, Telescoping. H. F. Reichenbach. 2,473,218, June 14.
 Lamp support. R. W. Haven. 2,486,159, Oct. 25.
 Lamp system and operation, Electric discharge. H. K. Bourne. 2,469,357, May 10.
 Lamp unit, Electric. E. B. Noel and P. B. Davis. 2,469,607, May 10.
 Lamp with light flashes, Discharge. D. S. Schreiber. 2,476,773, July 19.
 Lamps, Focusing reflector-type electric discharge. L. S. Ickis. 2,459,532, Jan. 18.
 Lamps, Manufacture of miniature. D. F. Way. 2,491,237, Dec. 13.
 Land mine. L. K. Liljegen. 2,488,547, Nov. 22.
 Land mine. R. H. Pass. 2,479,861, Aug. 23.
 Landing gear. W. H. Hunter. 2,460,387, Feb. 1.
 Landing gear. W. B. Westcott, Jr. 2,484,919, Oct. 18.
 Landing gear and analogous device, Retractable. R. H. A. Thireau. 2,484,660, Oct. 11.
 Landing gear for aircraft, Retractable. R. Saulnier. 2,474,694, June 28.
 Landing head for plural casings and oil tubings. E. C. Counts and N. H. Le Roy. 2,472,466, June 7.
 Landing mechanism for airplanes. E. M. Gardner. 2,458,845, Jan. 11.
 Landing net, Closable mouth. A. Crot. 2,482,157, Sept. 20.
 Landing ramp, Seaplane. C. H. Pate. 2,483,474, Oct. 4.
 Landing system, Instrument. D. S. Bond. 2,459,482, Jan. 18.
 Landing system, Instrument. I. Wolff and P. J. Herbst. 2,459,481, Jan. 18.
 Lanolin product. W. C. Griffin. 2,478,820, Aug. 9.
 Lantern, Electric. E. A. Wolfenden. 2,486,725, Nov. 1.
 Lantern, Headlight. C. S. Packer and M. R. Olsen. 2,482,287, Sept. 20.
 Lantern, Portable electric. J. S. Koblas. 2,492,296, Dec. 27.
 Lanthanum silicate phosphor. J. T. G. Overbeek. 2,467,689, Apr. 19.
 Lapboard. L. P. Nichols. 2,476,620, July 19.
 Lapping device. C. M. Croft, A. W. Bergeron, and F. G. Dodge. 2,485,705, Oct. 25.
 Lapping machine. E. J. Bullard. 2,480,285, Aug. 30.
 Lapping machine. R. K. Kinard. 2,469,563, May 10.
 Lapping machine. P. J. Sommer, Jr. 2,465,178, Mar. 22.
 Lapping tool. C. E. Archer. 2,481,967, Sept. 13.
 Lardlike product, Producing. J. C. Hormel. 2,467,529, Apr. 19.
 Larder, Internal. H. D. Blake. 2,489,556, Nov. 29.
 Large aperture objective having four air spaced components. W. Schade and W. Van Graafeiland. 2,481,688, Sept. 13.
 Lashing machine, Cable. D. J. Neale. 2,479,635, Aug. 23.
 Last pulling and relasting machine, Turret type. J. T. Lancaster. 2,473,595, June 21.
 Last, Shoe. E. J. McDaniel and A. R. Summers. 2,484,351, Oct. 11.
 Lasting footwear, Method of and apparatus for. J. S. Kamborian. 2,467,385, Apr. 19.
 Lasting machine. C. G. Brostrom. 2,463,017, Mar. 1.
 Lasting machine. E. L. Butler and C. F. Fitzgerald. 2,490,897, Dec. 13.
 Lasting machine. J. Fossa. 2,474,307, June 28.
 Lasting machine. J. Fossa. 2,476,970, July 26.
 Lasting machine. B. Jorgensen. 2,468,882, May 3.
 Lasting machine. B. Jorgensen. 2,479,574-5, Aug. 23.
 Lasting machine. B. Jorgensen. 2,481,756, Sept. 13.
 Lasting machine. L. G. Miller. 2,468,222, Apr. 26.
 Lasting machine. L. G. Miller. 2,478,542, Aug. 9.
 Lasting machine. N. A. Monfils and E. Quinn. 2,490,226, Dec. 6.
 Lasting machine, End. F. C. Eastman and P. E. Burby. 2,490,900, Dec. 13.
 Lasting machine, Sole cover. A. Jr., A. J., and C. E. Cocozella. 2,478,524, Aug. 9.
 Latch: See—
 Automobile door latch. Refrigerator latch.
 Bathroom locking latch. Safety window latch.
 Door latch. Self-locking flush latch.
 Flush type toggle latch. Thumbpiece latch.
 Hood latch. Tire chain latch.
 Knobless door latch. Tubular knob latch.
 Latch. C. B. Gash. 2,472,474, June 7.
 Latch. H. S. Harvey. 2,470,771, May 24.
 Latch. C. Ledin. 2,483,368, Sept. 27.
 Latch. A. F. Lickteig. 2,466,993, Apr. 12.
 Latch. A. F. Lickteig. 2,479,174, Aug. 16.
 Latch. O. C. Sare. 2,484,964, Oct. 18.
 Latch. A. F. Weinke. 2,468,353, Apr. 26.
 Latch and control thereof, Door. C. C. Radcliffe. 2,479,256, Aug. 16.
 Latch and lock, Door. W. D. Ferris. 2,488,119, Nov. 15.
 Latch assembly, Flush. T. H. Beck and L. P. Glick. 2,476,268, July 19.
 Latch construction. R. Jellison. 2,476,734, July 19.
 Latch for buckles, Release. E. C. Elsner. 2,490,862, Dec. 13.
 Latch for drop-side cribs. H. F. Shaw. 2,473,914, June 21.
 Latch for receptacles, Handle operated. W. H. Cadwell. 2,472,404, June 7.
 Latch for vacuum cleaner covers. C. L. Brown, Jr. 2,477,685, Aug. 2.
 Latch mechanism. D. E. Davis. 2,489,957, Nov. 29.
 Latch mechanism. R. P. Helling. 2,465,452, Mar. 29.
 Latch mechanism. H. W. Hooker. 2,469,113, May 3.
 Latch mechanism. A. Muhlbach. 2,491,682, Dec. 20.
 Latch mechanism, Automobile door. W. J. Tierney and C. L. Harmon. 2,476,332-3, July 19.
 Latch mechanism, Door. D. C. Smith. 2,472,730, June 7.
 Latch mechanism, Explosive operated. G. O. Rockwell. 2,485,921, Oct. 25.
 Latch mechanism for car doors. J. S. Lundvall. 2,468,936, May 3.
 Latch operated clutch. E. P. Spaine. 2,466,500, Apr. 5.
 Latch-out device for twisting spindles. R. H. Carter and C. B. Kingsbury. 2,478,928, Aug. 16.
 Latch structure, Elevating platform. L. W. Wachter. 2,480,528, Aug. 30.
 Latch tripping mechanism. H. W. Sanford. 2,458,738, Jan. 11.
 Latch unit, Disk harrow. C. H. White, W. P. Oehler, and C. H. Youngberg. 2,470,008, May 10.
 Latching device. H. B. Reid. 2,484,738, Oct. 11.
 Latching device, Flush type. W. A. Paxton. 2,461,393, Feb. 8.
 Latching device for collapsible stands for ironing boards. K. S. Rounds and R. W. Gerlach. 2,464,894, Mar. 22.
 Latching means, Convertible top. J. W. J. Ackermans. 2,486,905, Nov. 1.
 Latching means for tractor hitch bars. J. R. Estes. 2,461,885, Feb. 15.
 Latching mechanism. J. Pickford. 2,462,282, Feb. 22.
 Latching or locking device, Carrying case. G. E. Swanson. 2,487,493, Nov. 8.
 Latensification of photographic images. W. Vanselow and R. F. Quirk. 2,484,538, Oct. 11.
 Latent catalysts for acid-curing aldehyde reaction products capable of forming resins under acidic conditions. P. Arthur, Jr. 2,484,481, Oct. 11.
 Lateral film edge pressure spring. C. H. Jacobson. 2,461,471, Feb. 8.
 Lath and manufacture thereof, Backed. L. W. Cross. 2,474,778, June 28.
 Lathe. R. M. Gamble. 2,489,023, Nov. 22.
 Lathe attachment. T. D. Peat. 2,462,126, Feb. 22.
 Lathe, Automatic. A. Bechler. 2,492,455, Dec. 27.
 Lathe center. E. H. Vanderwall. 2,464,359, Mar. 15.

- Lathe, Multiple spindle. C. E. Miller and J. M. Ingalls. 2,471,074, May 24.
- Lathe or other turning machines. A. Trevena. 2,487,994, Nov. 15.
- Lathe, Tandem spindle. J. H. Schreiber. 2,473,306, June 14.
- Lathe with variable speed carriage feed. A. G. Eggers. 2,469,262, May 3.
- Launcher for projectiles, Displacement. G. L. Schuyler. 2,481,542, Sept. 13.
- Launcher, Magazine rocket. L. S. Macdonald. 2,468,216, Apr. 26.
- Launcher, Projectile. B. Walker. 2,481,546, Sept. 13.
- Launcher, Rocket. C. W. Carter. 2,464,920, Mar. 22.
- Launcher, Rocket. W. H. D'Ardenne. 2,481,910, Sept. 13.
- Launcher, Rocket. W. V. Goodhue. 2,459,314, Jan. 18.
- Launcher, Variable angle. W. H. Christie. 2,487,042, Nov. 8.
- Launching apparatus, Rocket. F. C. Eastman. 2,485,715, Oct. 25.
- Launching device for firing projectiles from a mortar. O. R. Roderick. 2,465,931, Mar. 29.
- Launching device, Rocket. A. B. Meinel. 2,478,774, Aug. 9.
- Launching means for airplane seats. J. Martin. 2,467,763, Apr. 19.
- Laundering or pressing iron holder. G. Aske. 2,487,292, Nov. 8.
- Laundry drying rack. S. Pawlansky. 2,481,443, Sept. 6.
- Laundry sorting apparatus. J. G. Mackechnie, Jr. 2,490,071, Dec. 6.
- Laundry sour composition. E. S. Garverich. 2,463,761, Mar. 8.
- Laundry souring composition. A. L. Courtney and C. E. Smith. 2,460,680, Feb. 1.
- Lavatory flush valve. J. Sweeney. 2,471,662, May 31.
- Lawn edger. H. Bender. 2,486,458, Nov. 1.
- Lawn edger. H. T. Eberhart. 2,484,276, Oct. 11.
- Lawn edger. E. H. Garwood. 2,486,640, Nov. 1.
- Lawn edger. H. W. Hearn. 2,472,972, June 14.
- Lawn edger. H. L. McKee. 2,467,327, Apr. 12.
- Lawn mower. A. A. Arkenberg. 2,491,544, Dec. 20.
- Lawn mower. W. G. Beranek and T. T. Buresh. 2,478,558, Aug. 9.
- Lawn mower. W. Brauer. 2,484,071, Oct. 11.
- Lawn mower. F. E. Browning. 2,492,521, Dec. 27.
- Lawn mower. J. D. Cavaness. 2,471,367, May 24.
- Lawn mower. R. A. Cramer, Jr., J. D. Maultsby, and V. O. Terrill. 2,477,442, July 26.
- Lawn mower. C. H. Diener. 2,467,195, Apr. 12.
- Lawn mower. B. G. Harley. 2,477,453, July 26.
- Lawn mower. J. A. Isaacs. 2,487,927, Nov. 15.
- Lawn mower. S. G. Isserstedt. 2,492,290, Dec. 27.
- Lawn mower. G. F. Knowles. 2,479,937, Aug. 23.
- Lawn mower. E. B. McCartney. 2,475,671, July 12.
- Lawn mower. E. A. Nelson. 2,486,969, Nov. 1.
- Lawn mower. F. A. Newman. 2,485,984, Oct. 25.
- Lawn mower. F. W. Oetken. 2,475,195, July 5.
- Lawn mower. H. H. Packwood. 2,471,975, May 31.
- Lawn mower. H. B. Phillips and K. E. Kirkpatrick. 2,488,140, Nov. 15.
- Lawn mower. J. Verderber and R. H. Liska. 2,474,131, June 21.
- Lawn mower. L. J. Winchell. 2,484,201, Oct. 11.
- Lawn mower blade, Centrifugal rotary. E. J. Ingalls. 2,484,511, Oct. 11.
- Lawn mower blades, Sharpening. P. R. Hutchinson. 2,469,730, May 10.
- Lawn mower, Electric. J. J. Malpass. 2,480,944, Sept. 6.
- Lawn mower fly knife. E. H. Worthington. 2,460,111, Jan. 25.
- Lawn mower handle mounting. E. L. Schofield. 2,484,795, Oct. 11.
- Lawn mower, Power. A. E. Burns. 2,490,896, Dec. 13.
- Lawn mower, Power. P. W. Hainke. 2,474,524, June 28.
- Lawn mower, Power. N. Rodesci. 2,468,839, May 3.
- Lawn mower, Power actuated. J. A. McHugh. 2,479,015, Aug. 16.
- Lawn mower propulsion. A. Kuehn. 2,464,980, Mar. 22.
- Lawn mower, Two-speed. S. P. Townsend. 2,474,764, June 28.
- Lawn mower wheel. R. E. Bradley and J. S. Sherer, Jr. 2,479,810, Aug. 23.
- Lawn mowing machine, Motor-power propelled. E. H. Lange. 2,483,777, Oct. 4.
- Lawn sprinkler. J. R. Brown. 2,481,074, Sept. 6.
- Lawn sprinkler, Rotary. J. E. Ashworth. 2,475,537, July 5.
- Lay connector. F. G. Lake and J. M. Colonas. 2,488,730, Nov. 22.
- Laying wire, Ball wound method for. E. D. Cunningham, Jr. 2,490,032, Dec. 6.
- Lead and brass union, Combination. R. W. Noojin. 2,488,229, Nov. 15.
- Lead azide detonators. L. Rubenstein and B. Campbell. 2,464,777, Mar. 15.
- Lead connector. H. Hubbell. 2,462,867, Mar. 1.
- Lead extrusion. W. K. Freeman. 2,462,313, Feb. 22.
- Lead for thermocouples, Compensating. B. Brenner. 2,466,202, Apr. 5.
- Lead-in seals, Making. W. J. Scott. 2,483,940, Oct. 4.
- Lead-in structure for vacuum tubes. H. Saucet. 2,486,065, Oct. 25.
- Lead-in wire for electric lamps and similar devices. P. B. Jordan and M. Pipkin. 2,473,888, June 21.
- Lead mechanism for gun sighting apparatus, Automatic. W. Leathers. 2,466,248, Apr. 5.
- Lead perchloric acid primary cell. J. C. White, J. H. Baldwin, E. J. Peebles, and W. H. Power. 2,492,206, Dec. 27.
- Lead plating bath. T. A. Loveland, Jr. 2,466,660, Apr. 5.
- Lead, Refining of. W. T. Isbell. 2,461,280, Feb. 8.
- Lead sulfate, Basic. E. C. Handwerk and G. T. Mahler. 2,488,398, Nov. 15.
- Lead sulfate-lead silicate pigment and manufacture, Composite. F. J. Williams and A. R. Pitrot. 2,477,277, July 26.
- Lead sulfate pigment, Basic. A. R. Pitrot. 2,460,241, Jan. 25.
- Lead-tin alloy plating. A. H. Du Rose and J. D. Little. 2,460,252, Jan. 25.
- Leader and sinker, Combined. J. D. Gleason. 2,476,088, July 12.
- Leaf for sewing machines, Extension. S. Adler. 2,464,838, Mar. 22.
- Leak detection. T. de Forest. 2,472,522, June 7.
- Leakproof coupling. H. W. Cole and M. F. Sproul. 2,490,620, Dec. 6.
- Leak-stopping compositions. C. A. Blair. 2,471,856, May 31.
- Leak tester. W. A. Wildhack. 2,466,757, Apr. 12.
- Leakage suppressing connection, High-frequency. E. A. Tubbs. 2,480,523, Aug. 30.
- Leakage testing gauge. W. Graves. 2,467,552, Apr. 19.
- Leaks in drill stems, Detecting. R. I. Gardner. 2,461,727, Feb. 15.
- Leash for animals. A. L. Hallander. 2,458,489, Jan. 4.
- Leather belting, Manufacture of. I. Dickinson. 2,484,937, Oct. 18.
- Leatherlike polyester-polyamides and producing same. D. W. Jayne, Jr., H. M. Day, and E. L. Kropa. 2,490,004, Nov. 29.
- Leather measuring gauge. H. E. Jacot. 2,483,639, Oct. 4.
- Leather roughing tool. C. C. Smith. 2,471,787, May 31.
- Leather, Treatment of scrap. E. and H. E. Karlson. 2,465,592, Mar. 29.
- Lecithin-metal compound. I. B. Levis. 2,465,733, Mar. 29.
- Leg construction for table frames. A. F. Derse, Sr. 2,480,559, Aug. 30.
- Leg construction for tables, etc., Folding. D. H. Hayden. 2,479,492, Aug. 16.
- Leg prostheses. U. K. Henschke and H. A. Mauch. 2,480,856, Sept. 6.
- Leg prosthesis. U. K. Henschke and H. A. Mauch. 2,489,291, Nov. 29.
- Leg structure, Tripod. R. J. Pagliuso. 2,480,382, Aug. 30.
- Leg support device. W. P. Hamstrom. 2,473,947, June 21.
- Leg warmer bag. G. C. Williams. 2,459,352, Jan. 18.
- Lehr. H. C. Weller. 2,458,040, Jan. 4.
- Lemon and lime juices, Desiccating. E. W. Florsdorf. 2,471,678, May 31.
- Lens and mirror system with spherical aberration correction means, Image projection. D. W. Epstein. 2,477,331, July 26.
- Lens camera, Plural. E. Roberts. 2,473,767, June 21.
- Lens cell for trial frames, Rotatable. D. T. Street. 2,467,343, Apr. 12.
- Lens construction, Fluid. J. A. Johnson. 2,490,873, Dec. 13.
- Lens, Electron. G. Liebmann. 2,486,856, Nov. 1.
- Lens finder for cameras having adjustable sighting position, Exposure. A. C. Coutant and J. Mathot. 2,468,814, May 3.
- Lens for deflecting light rays, Night. C. G. Scherckenbach. 2,475,522, July 5.
- Lens having bubble elimination means, Fluid. C. Biderman. 2,484,675, Oct. 11.
- Lens holding means for harmonizing eyeglass frames, Releasable. S. W. Marks. 2,479,754, Aug. 23.
- Lens-mount focusing cap. C. M. Lee. 2,469,691, May 10.
- Lens mount with telescoping lens tubes and locking means. J. L. Quigley and D. C. Harvey. 2,484,464, Oct. 11.
- Lens of variable focal power having surfaces of involute form. H. J. Birchall. 2,475,275, July 5.
- Lens structure for headlights and the like, Antiglare. J. H. Plant. 2,472,850, June 14.
- Lens supporting and focusing mechanism for motion-picture cameras. O. Wittel. 2,487,913, Nov. 15.
- Lens system for correcting curvature of fields. Four component. J. L. Greenstein and L. G. Henyey. 2,467,667, Apr. 19.
- Lens system having means for reducing spherical aberrations, Wide aperture. A. E. Glancy. 2,474,837, July 5.
- Lens system, High-aperture copying. F. E. Altman and C. J. Melech. 2,481,639, Sept. 13.
- Lens unit, Unitary. S. Rosin and G. M. Cressaty. 2,469,080, May 3.
- Lens unit with image reversing means, Optical. S. N. Wekeman. 2,470,277, May 17.
- Lens with mounting means for sound projectors, Scanning. J. Kogel. 2,458,860, Jan. 11.
- Letroff for looms, Motor-driven. R. F. Dion and W. H. Wakefield. 2,465,071, Mar. 22.
- Letroff for looms, Warp beam. T. M. Russell, Jr. 2,457,923, Jan. 4.

- Letoff for textile looms, Warp-beam-driven. C. H. Williams. 2,479,285, Aug. 16.
- Letoff mechanism for looms. C. R. Kronoff. 2,487,450, Nov. 8.
- Letoff motion for looms. H. A. Turner. 2,488,148, Nov. 15.
- Lethal composition for insects. H. W. Eck and J. H. Ford. Re. 23,080, Jan. 25.
- Level. R. T. Hubbard. 2,487,245, Nov. 8.
- Level control in packed towers. J. E. Stormont. 2,473,737, June 21.
- Level control, Liquid. D. M. Comb. 2,477,511, July 26.
- Level controlled liquid dispenser. V. S. Potts. 2,488,236, Nov. 15.
- Level device employing a light reflecting liquid surface as a horizontal reference surface. G. H. Lovins. 2,460,836, Feb. 8.
- Level gauge for liquids contained in tanks, Automatic. R. C. de Palacio. 2,483,532, Oct. 4.
- Level, Illuminated. A. W. Foerster. 2,481,736, Sept. 13.
- Level sensitive switch. R. A. Hanson. 2,477,927, Aug. 2.
- Leveler. A. G. Gurriss and J. A. White, Jr. 2,464,227, Mar. 15.
- Leveler. H. N. Peavey. 2,476,381, July 19.
- Leveler, Land. R. F. Haberman. 2,488,187, Nov. 15.
- Leveling attachment for cultivators, Ground. E. S. Johnson and A. J. Anderson. 2,483,204, Sept. 27.
- Leveling device, Elevator. A. E. Thurber, Jr. 2,481,260, Sept. 6.
- Leveling device for raising platforms. H. Voskamp. 2,479,089, Aug. 16.
- Leveling machine. F. V. Hart. 2,460,933, Feb. 8.
- Leveling machine, Land. L. E. Shumaker and H. G. Davis. 2,459,591, Jan. 18.
- Leveling means or mechanism for road surfacing machines. A. S. Millikin. 2,491,275, Dec. 13.
- Leveling support. H. Persson. 2,487,827, Nov. 15.
- Leveling support. P. F. Shivers. 2,492,244, Dec. 27.
- Leveling system for lifter roof tanks. I. L. Wissmiller. 2,485,683, Oct. 25.
- Lever actuated portable tire removing tool. L. Vanleirsberghe. 2,463,071, Mar. 1.
- Lever and pawl feed sliding jaw wrench. H. M. Bayler. 2,492,834, Dec. 27.
- Lever attachment, Clutch. S. E. Shullaw. 2,460,911, Feb. 8.
- Lever control, Self-locking. C. R. Suska. 2,458,446, Jan. 4.
- Lever detent mechanism. T. J. Flamm. 2,465,720, Mar. 29.
- Lever, Flush tank. B. R. Crampton. 2,489,621, Nov. 29.
- Lever for actuating a traveling nut of a screw-operated vise, Foot-operated ratcheting. B. E. Thomas. 2,489,731, Nov. 29.
- Lever fulcrum, Dead. H. H. Shaffer. 2,472,443, June 7.
- Lever handle. J. R. Hall. 2,460,500, Feb. 1.
- Lever means for rotary bars, Operating. G. E. Dath. 2,489,402, Nov. 29.
- Lever operated control switch. R. Pratt. 2,482,206, Sept. 20.
- Lever operated sliding jaw mop holder. R. A. Parker. 2,486,757, Nov. 1.
- Lever, Overhead track switch operating. J. A. Carlsen. 2,481,822, Sept. 13.
- Lever, Switch operating. T. F. Johnson. 2,478,276, Aug. 9.
- Lever, Tank. B. R. Crampton. 2,475,881, July 12.
- Lever, Throttle. B. Smith and C. Ringel. 2,492,715, Dec. 27.
- Lever, Transmission control one-way shift. O. Zancan. 2,489,735, Nov. 29.
- Lever, Valve-actuating. H. E. Pleasant. 2,469,000, May 3.
- Lever, Wheel. J. G. Staus. 2,458,219, Jan. 4.
- Leverage wrench. C. Meunier. 2,481,435, Sept. 6.
- Lewisite, Preparation of. P. D. Bartlett, H. J. Dauben, Jr., and L. J. Rosen. 2,465,834, Mar. 29.
- License plate fastener. W. J. Michael. 2,465,548, Mar. 29.
- License plate holder. J. A. Miller. 2,481,437, Sept. 6.
- Lid: See—
- Box lid.
- Lid, Box. N. A. Leash. 2,463,982, Mar. 8.
- Lid fastener. A. Claud-Mantle. 2,472,285, June 7.
- Lid for box compartments, Lock. D. C. Thompson. 2,459,346, Jan. 18.
- Lid for containers, Airtight. H. Weiss. 2,462,445, Feb. 22.
- Lid for jars, bottles, and like containers. J. C. Brow. 2,487,519, Nov. 8.
- Lid, Journal box. G. R. Andersen. 2,474,928, July 5.
- Lid lifter. W. P. Jordan. 2,481,119, Sept. 6.
- Lid structure, Journal box. T. R. Weber. 2,459,905, Jan. 25.
- Lid structure, Journal box. T. R. Weber. 2,486,694, Nov. 1.
- Lidding machine, Box. W. L. Van Doren. 2,486,893, Nov. 1.
- Lifeboat. W. E. Elling. 2,478,042, Aug. 2.
- Lifeboat. C. D. Seaholm. 2,477,425, July 26.
- Life line. A. B. Schultz. 2,459,545, Jan. 18.
- Life preserver valve. C. W. Rector. 2,476,220, July 12.
- Lifesaver. M. A. da Silva. 2,483,488, Oct. 4.
- Lifesaving device. F. MacKenzie. 2,463,191, Mar. 1.
- Lift. R. C. Boone. 2,490,198, Dec. 6.
- Lift, Accelerated variable buoyancy. A. J. Levin. 2,470,313, May 17.
- Lift, Air power. M. Whited. 2,489,065, Nov. 22.
- Lift and sweep, Hay. I. Schwery. 2,475,203, July 5.
- Lift attachment, Tractor power. W. C. Jordan. 2,479,841, Aug. 23.
- Lift, Bench stand table. R. L. Hatch. 2,471,955, May 31.
- Lift control for rotary wings, Spanwise variable. E. A. Stalker. 2,483,480, Oct. 4.
- Lift device. O. R. McColley. 2,487,160, Nov. 8.
- Lift for bifocal spectacles, Temporary. E. K. Smith. 2,459,051, Jan. 11.
- Lift for implements. R. D. Acton. 2,491,354, Dec. 13.
- Lift, Gas. J. O. Sanders. 2,463,317, Mar. 1.
- Lift, Invalid. C. H. Welch. 2,466,289, Apr. 5.
- Lift mechanism, T. Madland. 2,475,507, July 5.
- Lift mechanism for disk plows. A. A. Scarlett and H. N. Jones. 2,469,579, May 10.
- Lift mechanism for sliding car doors. G. Madland. 2,488,634, Nov. 22.
- Lift, Portable. M. L. Hicks. 2,463,381, Mar. 1.
- Lift, Portable hydraulic. E. A. Anderson. 2,487,508, Nov. 8.
- Lift, Power. F. T. Court. 2,482,657, Sept. 20.
- Lift, Reciprocal buoyancy. A. J. Levin. 2,470,312, May 17.
- Lift, Stowage. N. P. E. Andersen. 2,490,610, Dec. 6.
- Lift system for refrigerators and the like, Electrohydraulic. H. M. Dunlap. 2,490,861, Dec. 13.
- Lift, Top. W. Wood, Jr. 2,467,247, Apr. 12.
- Lifter: See—
- Brush lifter. Page lifter.
- Cover lifter. Toilet seat lifter.
- Lid lifter. Valve lifter.
- Lifter and carrier, Lid. A. M. Lewis. 2,471,878, May 31.
- Lifter and turner, Windrow. E. C. Pollard. 2,459,961, Jan. 25.
- Lifter for cloth cutting machines, Cloth. M. Green. 2,462,317, Feb. 22.
- Lifter roof for liquid storage apparatus, Liquid-sealed. J. H. Wiggins. 2,481,184, Sept. 6.
- Lifter roof tank. H. C. Boardman. 2,485,557, Oct. 25.
- Lifting and adjusting mechanism, Tractor-drawn implement turn responsive. R. D. Acton. 2,469,622, May 10.
- Lifting and transporting apparatus. J. M. Roitz. 2,478,665, Aug. 9.
- Lifting apparatus. E. P. Grime. 2,479,679, Aug. 23.
- Lifting apparatus. G. F. Lewis. 2,469,199, May 3.
- Lifting apparatus. H. C. Reichardt. 2,482,211, Sept. 20.
- Lifting apparatus, Block-and-tackle. A. L. Franks. 2,489,022, Nov. 22.
- Lifting apparatus, Trailer-mounted. L. B. Thwaites. 2,483,356, Sept. 27.
- Lifting arm for bulldozer blades, Attachable. L. R. Brock. 2,473,505, June 21.
- Lifting, braking, and jacking system for vertical-shaft rotating machines. R. A. Baudry and P. R. Heller. 2,473,847, June 21.
- Lifting connection, Motor vehicle and jack. F. W. Coffing. 2,476,838, July 19.
- Lifting device. W. T. Ellis. 2,486,933, Nov. 1.
- Lifting device. A. H. Feibel. 2,483,894, Oct. 4.
- Lifting device. R. C. Flynn. 2,492,853, Dec. 27.
- Lifting device. F. G. Hodsdon. 2,480,244, Aug. 30.
- Lifting device. E. J. Leary. 2,484,041, Oct. 11.
- Lifting device. C. A. Peebles. 2,488,826, Nov. 22.
- Lifting device. E. H. Pettler. 2,468,999, May 3.
- Lifting device. J. C. G. Speller. 2,484,658, Oct. 11.
- Lifting device for aircraft batteries. G. B. Freeman. 2,465,796, Mar. 29.
- Lifting device for beds. F. E. Hollis. 2,490,130, Dec. 6.
- Lifting device for power hack saws, Blade. T. A. Podhajsky. 2,471,700, May 31.
- Lifting device or elevator. C. J. Smith. 2,483,109, Sept. 27.
- Lifting jack. J. F. Densmore. 2,491,718, Dec. 20.
- Lifting jack. H. D. Freeland. 2,474,045, June 21.
- Lifting jack. A. W. Hunz. 2,463,772, Mar. 8.
- Lifting jack. S. C. Stewart. 2,489,056, Nov. 22.
- Lifting machine, Pneumatic tire. D. B. Brabbin. 2,477,858, Aug. 2.
- Lifting mechanism. U. R. Jones. 2,468,297, Apr. 26.
- Lifting mechanism. R. F. Manke. 2,469,048, May 3.
- Lifting mechanism. R. F. Manke. 2,476,380, July 19.
- Lifting mechanism, Brush. E. C. Briggs. 2,475,276, July 5.
- Lifting portions of vehicles, Method of and mechanism for. F. W. Coffing. 2,470,018, May 10.
- Lifting slip-joint. I. W. Henderson and H. T. Nilsen. 2,467,826, Apr. 19.
- Light: See—
- Adjustable beam light. Oscillating warning light.
- Automatic emergency light. Pilot light.
- Beacon light. Portable signal light.
- Boom light. Search and warning light.
- Dial light. Traffic safety light.
- Dirigible light. Train warning signal light.
- Electric trouble light. Warning signal light.
- Inspection light.
- Light absorption cell. W. R. Flatford and F. W. Crawford. 2,490,345, Dec. 6.
- Light and electromagnet combination, Inspection. M. R. Springs, Jr. 2,477,498, July 26.

- Light and searchlight combination, Warning. J. D. Ken-
nelly. 2,460,585, Feb. 1.
- Light aperture construction for sound projector devices.
J. L. Pettus. 2,478,780, Aug. 9.
- Light apparatus, Ultraviolet. E. R. Capita. 2,484,332,
Oct. 11.
- Light attachment for fishing poles. B. R. Schneider.
2,481,881, Sept. 13.
- Light bulb stem and socket. J. B. Miller. 2,462,530,
Feb. 22.
- Light changing system for motion-picture printing ma-
chines. L. Thompson and A. Jacobs. 2,477,099, July
26.
- Light control. K. L. Berninger and C. H. Lowrey.
2,472,741, June 7.
- Light control. J. Brosius, Jr. 2,458,334, Jan. 4.
- Light control, Automatic. W. D. Fleming. 2,472,815,
June 14.
- Light control device, Photographic. B. C. Anderson.
2,486,727, Nov. 1.
- Light control for projectors, Multiple lens. R. J.
Anschieks, C. Widell, and J. R. Mantsh. 2,461,673,
Feb. 15.
- Light-flash-producing system. H. E. Edgerton. 2,478,904,
Aug. 16.
- Light for emergency vehicles, Warning. H. O. Riccl.
2,487,591, Nov. 8.
- Light for magnetic attachment to automobiles, Electric.
L. Goodrich. 2,475,958, July 12.
- Light for motor vehicles, Warning. J. J. and B. T.
Brasington. 2,478,178, Aug. 9.
- Light head, Multicolor signal. G. S. Anderson. 2,491,914,
Dec. 20.
- Light intensity regulation. G. J. Perlow and G. A. John-
son. 2,477,646, Aug. 2.
- Light modulation by cathode-ray orientation of liquid-sus-
pended particles. A. H. Rosenthal. 2,481,621, Sept. 13.
- Light polarizer for producing light beams polarized in
planes mutually at right angles from a single light
beam. E. H. Wright. 2,476,014, July 12.
- Light-polarizing images, Production of. H. P. Husek.
2,458,168, Jan. 4.
- Light projecting device. P. F. Early. 2,481,988, Sept. 13.
- Light ray and massage therapy. A. R. Marty. 2,490,074,
Dec. 6.
- Light-sensitive altitude and direction indicator. R. J.
Herbold. 2,489,220, Nov. 22.
- Light signal. M. R. Douglass. 2,468,815, May 3.
- Light socket for refrigerator panels, Self-sealing electric.
C. M. Holloway. 2,460,636, Feb. 1.
- Light spot and reflector means for alinement of cameras
for title purposes. G. D. Ellis. 2,459,418, Jan. 18.
- Light switch. H. P. Rath. 2,470,643, May 17.
- Light switch for automobiles, Slow-stop. J. A. Mitchell.
2,486,864, Nov. 1.
- Light system for determining variations in the width of
a web of transparent film, Polarized. D. T. Meloon.
2,474,906, July 5.
- Light transmitting media, Protective. M. Marks.
2,479,501, Aug. 16.
- Light transmitting member for indicating leakage in cabi-
net closures. C. E. Heilig, Jr. 2,465,648, Mar. 29.
- Lighted cigarette dispenser. M. Kirsch. 2,471,820, May
31.
- Lighter. R. E. Brown and M. J. Nielsen. 2,480,709, Aug.
30.
- Lighter. L. C. Cartwright. 2,489,620, Nov. 29.
- Lighter. G. Desouches. 2,485,041, Oct. 18.
- Lighter. H. B. Greene. 2,472,822, June 14.
- Lighter. F. K. Hettinger and W. Jones. 2,490,300,
Dec. 6.
- Lighter. F. Heydle. 2,469,768, May 10.
- Lighter. W. E. Keene. 2,480,139, Aug. 30.
- Lighter. J. Kohn. 2,478,584, Aug. 9.
- Lighter. R. F. Landwehr. 2,461,329-30, Feb. 8.
- Lighter. H. Mayfield. 2,477,385, July 26.
- Lighter. A. F. Reilly. 2,463,424, Mar. 1.
- Lighter. A. Shatkin. 2,477,398, July 26.
- Lighter. H. J. Sudbrink. 2,462,143, Feb. 22.
- Lighter and the like, Portable. R. E. Peterson. 2,482,794,
Sept. 27.
- Lighter, Cigar. F. Kaupmann. 2,491,861, Dec. 20.
- Lighter, Cigar. A. A. Johnson. 2,459,650, Jan. 18.
- Lighter, Cigar. J. Youhouse. 2,486,366, Oct. 25.
- Lighter, Cigar and cigarette. H. Lee. 2,472,773, June 7.
- Lighter, Cigarette. C. N. Corvill. 2,475,659, July 12.
- Lighter, Cigarette. R. E. Deadwyler. 2,481,982, Sept. 13.
- Lighter, Cigarette. R. Feurer. 2,479,917, Aug. 23.
- Lighter, Cigarette. I. Florman. 2,479,608, Aug. 23.
- Lighter, Cigarette. I. Florman. 2,492,277, Dec. 27.
- Lighter, Cigarette. C. M. Fox. 2,461,890, Feb. 15.
- Lighter, Cigarette. R. S. Gans. 2,479,827, Aug. 23.
- Lighter, Cigarette. R. E. Gray. 2,467,473, Apr. 19.
- Lighter, Cigarette. H. Horning. 2,476,148, July 12.
- Lighter, Cigarette. F. E. Hutter and A. Quirin. 2,485,734,
Oct. 25.
- Lighter, Cigarette. L. W. Kolter, Sr., and W. G. 2,469,507,
May 10.
- Lighter, Cigarette. L. M. Logan, III. 2,479,244, Aug. 16.
- Lighter, Cigarette. G. N. Macdonald. 2,492,305, Dec. 27.
- Lighter, Cigarette. H. A. Mason. 2,470,710, May 17.
- Lighter, Cigarette. S. Rein, and S. Tesler. 2,469,442, May
10.
- Lighter, Cigarette. L. M. Strother. 2,482,807, Sept. 27.
- Lighter, Cigarette. R. A. Vissing. 2,468,146, Apr. 26.
- Lighter, Cigarette. J. L. Younghusband. 2,475,733, July
12.
- Lighter, Cigarette and cigar. F. N. Mariani. 2,480,414,
Aug. 30.
- Lighter, Cigarette and pipe. E. A. Holland. 2,482,416,
Sept. 20.
- Lighter, Cigarette and pipe. K. Stoye. 2,469,248, May 3.
- Lighter construction, Pyrophoric. R. L. Burchett.
2,472,282, June 7.
- Lighter, Dispensing cigarette. A. E. Hutchinson and
G. G. Thomas. 2,472,835, June 14.
- Lighter, Electric cigarette. N. B. Wales. 2,475,534,
July 5.
- Lighter for cigars and cigarettes, Pocket. R. Wolanske.
2,470,734, May 17.
- Lighter for pipes and cigarettes. H. R. Montague.
2,490,082, Dec. 6.
- Lighter, Fusee. G. D. McKown. 2,470,358, May 17.
- Lighter, Jet. H. R. Montague. 2,490,083, Dec. 6.
- Lighter or the like, Cigarette. I. Florman. 2,465,721,
Mar. 29.
- Lighter, Pipe. J. F. Head. 2,472,825, June 14.
- Lighter, Pocket. A. Campos. 2,458,832, Jan. 11.
- Lighter, Pocket. A. Campos. 2,485,956, Oct. 25.
- Lighter, Pocket. A. Campos. 2,491,550, Dec. 20.
- Lighter, Pocket. M. Fankl. 2,490,121, Dec. 6.
- Lighter, Pocket. C. L. Feller. 2,476,087, July 12.
- Lighter, Pocket. F. D. Mason. 2,477,522, July 26.
- Lighter, Pocket automatic electric. D. J. Kirschner.
2,459,656, Jan. 18.
- Lighter, Pocket pyrophoric. F. H. Bowers. 2,480,317,
Aug. 30.
- Lighter, Pyrophoric. L. Bolle. 2,465,004, Mar. 22.
- Lighter, Pyrophoric. R. L. Burchett. 2,468,810, May 3.
- Lighter, Pyrophoric. R. L. Burchett and F. Meyer.
2,481,195, Sept. 6.
- Lighter, Pyrophoric. C. C. Clamp. 2,462,467, Feb. 22.
- Lighter, Pyrophoric. W. Halko. 2,484,287, Oct. 11.
- Lighter, Pyrophoric. H. Lakey. 2,475,453, July 5.
- Lighter, Pyrophoric. F. Meyer. 2,459,085, Jan. 11.
- Lighter, Pyrophoric. W. I. Nissen. 2,484,579, Oct. 11.
- Lighter, Pyrophoric. A. H. Ormsher. 2,492,060-1, Dec.
20.
- Lighter, Self-extinguishing fire. R. R. Gaetano. 2,467,886,
Apr. 19.
- Lighter, Smoker's. D. Farmer. 2,474,973, July 5.
- Lighter, Table. H. Negbauer. 2,459,238, Jan. 18.
- Lighter with removable mechanical unit, Pocket. D.
Farmer. 2,492,471, Dec. 27.
- Lighting and control means for gas burners, Automatic.
F. A. Gauger. 2,483,191, Sept. 27.
- Lighting apparatus. L. Schepmoes. 2,461,445, Feb. 8.
- Lighting apparatus and the like, Automatic arc. R. W.
Gooch. 2,488,861, Nov. 22.
- Lighting circuit condition indicator. J. R. Hollins.
2,486,599, Nov. 1.
- Lighting control. C. E. Reckard. 2,467,910, Apr. 19.
- Lighting equipment, Ceiling. S. R. Naysmith. 2,463,046,
Mar. 1.
- Lighting equipment, Fluorescent. G. W. Beals and J.
Carulli. 2,463,013, Mar. 1.
- Lighting equipment, Surface attached. K. Franck and
V. S. Wince. 2,474,308, June 28.
- Lighting fixture. A. McK. Miles. 2,486,754, Nov. 1.
- Lighting fixture assembly. L. Greenens. 2,476,856, July
19.
- Lighting fixture, Electric. V. J. Marchese. 2,474,484,
June 28.
- Lighting structure, Obstruction. C. K. Lamb. 2,484,350,
Oct. 11.
- Lighting system, Airport. H. N. Newstedt. 2,486,198,
Oct. 25.
- Lighting system and apparatus. P. M. Komm. 2,465,103,
Mar. 22.
- Lighting system, Electric. H. L. Titus. 2,476,517, July
19.
- Lighting system, Fluorescent tube. M. Nathanson.
2,465,031, Mar. 22.
- Lighting unit and electric incandescent lamp therefor,
Sealed. L. W. Curtis. 2,459,151, Jan. 18.
- Lighting unit, Manufacture of sealed. R. K. Brauns-
dorff. 2,490,776, Dec. 13.
- Lighting unit, Photographic. E. B. Noel. 2,482,430,
Sept. 20.
- Lightweight cellular materials, Making. W. D. Ford.
2,485,724, Oct. 25.
- Lightweight container. L. E. Cheyney and R. J. Mc-
Cutcheon. 2,484,608, Oct. 11.
- Lightweight-reinforced locking sectional handle. E. J.
Mason. 2,488,309, Nov. 15.
- Lignin dispersing agents and making same. J. R. Salve-
sen. C. Harmon and W. C. Browning. 2,491,832, Dec.
20.
- Lignin from black liquor, Producing. A. Pollak, J. J.
Kellen, Jr., and L. F. Drum. 2,464,828, Mar. 22.
- Ligno-cellulose die-stock and making. C. F. Story.
2,459,851, Jan. 25.
- Limb, Artificial. W. I. Jinkins. 2,486,746, Nov. 1.
- Limb, Artificial. J. Ottermann. 2,482,555, Sept. 20.
- Limb, Artificial. H. Sartin. 2,483,506, Oct. 4.
- Limb socket for amputees, Prosthetic. C. V. and C. M.
Ganee. 2,464,443, Mar. 15.

- Lime and producing it, Especially reactive. W. G. Lovell, V. A. Miller, M. J. Mulligan, and H. K. Lichtenwalner. 2,474,207, June 28.
- Lime, Making a plastic hydrated. H. N. Huntzicker. 2,489,033, Nov. 22.
- Lime, Making stabilized gel-type hydrated. B. E. Kester. 2,471,875, May 31.
- Limit bridge, Alternating current type. D. E. Sunstein. 2,479,051, Aug. 16.
- Limit stop mechanism for power-operated gun mounts. P. E. Humphrey. 2,483,385, Sept. 27.
- Limit stop system for reversible electric motors. W. T. White and D. H. Courter. 2,468,149, Apr. 26.
- Limit switch. G. C. Biggs. 2,466,077, Apr. 5.
- Limiting, Volt-ampere demand. R. S. Dole. 2,480,452, Aug. 30.
- Limiting heat transfer to the turbine rotor. W. A. Ledwith. 2,479,046, Aug. 16.
- Limiting system for Ward-Leonard drives, Current. T. B. Montgomery and T. H. Bloodworth. 2,473,721, June 21.
- Limiting the modulation of the output of transmitters of communication systems. A. J. Sorensen. 2,491,590, Dec. 20.
- Line circuit and line finder, All relay telephone. R. W. Jones. 2,472,428, June 7.
- Line dispensing container. C. E. Plouff. 2,473,072, June 14.
- Line drawing device. J. G. Pérez. 2,490,600, Dec. 6.
- Line fastener and tightener. B. Martin. 2,482,282, Sept. 20.
- Line filter. K. L. Bastrup. 2,489,362, Nov. 29.
- Line finder and selector system, All electronic. D. H. Ransom. 2,490,833, Dec. 13.
- Line for butane tanks, Thief. L. L. Hughes. 2,460,454, Feb. 1.
- Line for ultra-high frequencies, Attenuating. C. B. Watts, Jr. 2,459,857, Jan. 25.
- Line or cable and connector therefor, High-frequency transmission. E. C. Cork. 2,490,622, Dec. 6.
- Line producing device for typewriters. M. G. Lemos. 2,471,757, May 31.
- Line reel. R. S. Walker. 2,465,001, Mar. 22.
- Line scanning, Photoelectric. C. Q. Glassey. 2,487,865, Nov. 15.
- Line stripper, Wire. L. B. Collins and C. A. Langstaff. 2,465,848, Mar. 29.
- Line tightener. E. Patterson. 2,465,473, Mar. 29.
- Line tightening basement clothesline bracket. F. Schudy. 2,479,137, Aug. 16.
- Line trig, Bricklayer's. E. M. Hulquist. 2,492,044, Dec. 20.
- Linear actuator mechanism. W. P. Lear. 2,464,873, Mar. 22.
- Linear frequency modulation system. J. R. Pierce. 2,476,765, July 19.
- Linear polyamides, Production of basic. S. J. Allen, J. G. N. Drewitt, and F. Bryans. 2,483,514, Oct. 4.
- Linear polymers, Production of basic. S. J. Allen and J. G. N. Drewitt. 2,483,513, Oct. 4.
- Linear polyvinyl acetals. C. W. Gayler. 2,487,864, Nov. 15.
- Linearizing system, Sawtooth current. C. V. Bocciarelli. 2,482,150, Sept. 20.
- Lined container. N. E. Werner. 2,460,052, Jan. 25.
- Liner and tap ring for steel barrels. E. R. Koppel. 2,460,756, Feb. 1.
- Liner for centrifugal casting molds. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,489,322, Nov. 29.
- Liner for opposed piston engines, Cylinder. H. Steiner. 2,461,853, Feb. 15.
- Liner for tacky elastomers, Separable. J. A. Bicknell. 2,480,352, Aug. 30.
- Liner puller. N. L. Stout and D. E. Owens. 2,487,902, Nov. 15.
- Liner, Railway truck pedestal. W. H. Meyer. 2,474,008, June 21.
- Liner, Stencil. H. A. Ropp. 2,463,645, Mar. 8.
- Liner, Surface fluxing coated. C. C. Heritage. 2,474,398, June 28.
- Liner, Track. J. Clark. 2,475,374, July 5.
- Lining composition, Refractory. W. C. Cress. 2,461,146, Feb. 8.
- Lining container closures. A. B. Foye. 2,489,407, Nov. 29.
- Lining device, Track. C. D. Eaves. 2,474,826, July 12.
- Lining for ball mills. F. McIntyre. 2,476,505, July 19.
- Lining for blast cabinets and the like. G. D. Dill. 2,478,153, Aug. 2.
- Lining for coats, Detachable. E. E. Levy. 2,483,015, Sept. 27.
- Lining for furnace doors, Refractory. R. E. Longacre. 2,475,102, July 5.
- Lining for vessels, etc. L. H. Hosbein. 2,482,618, Sept. 20.
- Lining machine and method, Pipe. J. M. Crom. 2,484,018, Oct. 11.
- Lining metallic pipes, receptacles, or other containers. A. F. Allan. 2,491,467, Dec. 20.
- Lining, Sock. J. L. Roth. 2,491,280, Dec. 13.
- Linings for books and for analogous purposes, Creasing. L. J. B. R. French. 2,471,482, May 31.
- Link-and-link machine. C. F. Miller. 2,465,465, Mar. 29.
- Link, Cartridge. A. F. Gaidos. 2,488,531, Nov. 22.
- Link chain. G. A. Gotti, A. Killian, and N. Voipicelli. 2,471,950, May 31.
- Link, Chain. H. St. Pierre. 2,480,788, Aug. 30.
- Link construction, Cuff. J. M. Oldak. 2,472,958, June 14.
- Link construction, Mesh. G. M. Muray. 2,492,393, Dec. 27.
- Link, Cuff. C. Marien. 2,463,465, Mar. 1.
- Link for door locks, Drive. E. M. Jacobi. 2,477,063, July 26.
- Link for French type cuffs, Cuff. V. T. Howard. 2,459,703, Jan. 18.
- Link for parallel shafts, Floating spacer bearing. G. H. Garraway. 2,466,888, Apr. 12.
- Link, Fuse. G. Rensner. 2,489,501, Nov. 29.
- Link, Fusible. J. M. Johnson. 2,490,359, Dec. 6.
- Link, Game holder. R. H. Boehm. 2,458,675, Jan. 11.
- Link mechanism for pressure casting machines. N. Lester. 2,475,394, July 5.
- Link, Safety. R. L. Hohler. 2,462,041, Feb. 15.
- Linkage, Computing. A. Svoboda. 2,459,726, Jan. 18.
- Linkage for pallet trucks, Wheel lifting. H. J. Framhein. 2,469,638, May 10.
- Linking and delinking machine for ammunition belts. N. W. Lyon. 2,460,096, Jan. 25.
- Linking machine, Sausage. J. Armbrust. 2,477,031, July 26.
- Lint removal means for bobbin winding machines. R. P. Drake. 2,460,736, Feb. 1.
- Lipstick case. S. Frydender. 2,471,483, May 31.
- Lipstick case. S. Frydender. 2,476,488, July 19.
- Lipstick case. A. Gelardin. 2,491,721-4, Dec. 20.
- Lipstick container. C. Sommer. 2,486,073, Oct. 25.
- Lipstick cover with a springing mirror set therein. J. Pampinella and H. Silverman. 2,485,161, Oct. 18.
- Lipstick device. J. L. Younghusband. 2,489,001, Nov. 22.
- Lipstick holder. H. F. Reichenbach. 2,482,368, Sept. 20.
- Lipstick holder. S. Segal. 2,491,775, Dec. 20.
- Liquefying unit, Refrigerant. A. J. Timmer. 2,478,137, Aug. 2.
- Liquid and gas separator. R. L. Fowler. 2,489,370, Nov. 29.
- Liquid anhydrous hydrogen chloride by distillation, Producing. J. W. Latchum, Jr. 2,463,188, Mar. 1.
- Liquid clarifying apparatus. A. C. Lind. 2,463,464, Mar. 1.
- Liquid condensation polymers of bis (hydroxyalkyl) sulfides and bis (hydroxyalkyl) polysulfides. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,484,369, Oct. 11.
- Liquid contact tilt indicating switch. A. S. De Vany. 2,490,785, Dec. 13.
- Liquid container. P. Reid. 2,467,779, Apr. 19.
- Liquid-control and deaerating device. P. W. Bedale. 2,485,525, Oct. 18.
- Liquid control gear. C. G. Hebel and R. H. Wallace. 2,473,282, June 14.
- Liquid cooler. C. A. Childers, Jr. 2,486,588, Nov. 1.
- Liquid diffuser. W. H. Wheeler and L. B. Wamnes. 2,474,605, June 28.
- Liquid diffuser. W. H. Wheeler and L. B. Wamnes. 2,474,607, June 28.
- Liquid dispenser. A. Machtinger. 2,460,518, Feb. 1.
- Liquid filling machine with traveling measure. R. E. J. Nordquist. 2,466,731, Apr. 12.
- Liquid filter. R. G. Hanneman. 2,472,012, May 31.
- Liquid filter. G. H. Judkins. 2,488,726, Nov. 22.
- Liquid filter. C. W. Woods. 2,459,353, Jan. 18.
- Liquid flow gauge. D. S. Stevens. 2,479,786, Aug. 23.
- Liquid foodstuffs, Heat treatment of. J. de Boer. 2,478,748, Aug. 9.
- Liquid from wet film, Removal of excess. C. J. Kunz. 2,472,596, June 7.
- Liquid fuel burner. R. W. DeLancey. 2,480,911, Sept. 6.
- Liquid fuel burner. A. Kissam. 2,486,481, Nov. 1.
- Liquid fuel regulator. M. E. Palsgrove. 2,490,319, Dec. 6.
- Liquid fuel supply system for internal-combustion engines. W. R. Boyle. 2,485,186, Oct. 18.
- Liquid fuel tank cap. S. Wise. 2,472,737, June 7.
- Liquid hydrocarbons, Manufacture of. M. H. and E. Gorin. 2,488,083, Nov. 15.
- Liquid hydrocarbons, Refining of. A. Champagnat. 2,481,570, Sept. 13.
- Liquid injection apparatus, Antidetontant. D. E. Dahle. 2,482,102, Sept. 20.
- Liquid level gauge. T. F. Balken. 2,468,284, Apr. 26.
- Liquid level gauge. N. R. Matson and L. A. Milewski. 2,470,610, May 17.
- Liquid level gauge. H. D. Yoder. 2,480,070, Aug. 23.
- Liquid level switch. R. A. Nicholson. 2,481,612, Sept. 13.
- Liquid level translating means. C. R. McCauley. 2,474,154, June 21.
- Liquid measuring dispenser. O. L. Engstrom. 2,464,030, Mar. 8.
- Liquid measuring gauge. R. A. Markham. 2,468,218, Apr. 26.
- Liquid mixing valve. K. M. Newcomer. 2,464,458, Mar. 15.
- Liquid phase chlorination. E. T. McBee and L. W. Devaney. 2,473,162, June 14.
- Liquid products, Method of and apparatus for dehydrating. J. M. Hall. 2,481,418, Sept. 6.
- Liquid sealed trap. W. S. Rae, Jr. 2,485,537, Oct. 18.

- Liquid separating device, Gas. T. Seago. 2,491,587, Dec. 20.
- Liquid separation. A. M. Erickson and J. D. Ryan. 2,466,014, Apr. 5.
- Liquid separation apparatus. J. F. Hunter. 2,468,070, Apr. 26.
- Liquid separation method and apparatus. J. F. Hunter. 2,468,069, Apr. 26.
- Liquid styrene-butadiene interpolymers. O. R. McIntire. 2,473,538, June 21.
- Liquid sulfoalkylene-oxyalkylene copolymers. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,484,370, Oct. 11.
- Liquid transference of dicyclopentadiene. A. J. Wiss. 2,465,950, Mar. 29.
- Liquid treating apparatus. J. R. Craig. 2,462,612, Feb. 22.
- Liquid treating apparatus. W. Livingstone. 2,471,158, May 24.
- Liquid treating device. R. E. Landon. 2,468,561, Apr. 26.
- Liquid treating unit. R. M. Major. 2,461,334, Feb. 8.
- Liquid treatment. W. H. Green. 2,468,597, Apr. 26.
- Liquid treatment. F. D. Prager and R. Welter. 2,465,980, Mar. 29.
- Liquid treatment apparatus for yarns. R. Bouvet. 2,478,230, Aug. 9.
- Liquid treatment of yarns, Method of and apparatus for. W. H. Furness. 2,470,299, May 17.
- Liquid urea-formaldehyde compositions. H. M. Kvalnes. 2,467,212, Apr. 12.
- Liquids, Dehydrating effervescent. R. A. Bierwirth. 2,472,562, June 7.
- Liquids from carbon monoxide and hydrogen, Synthesis of. J. K. Roberts. 2,461,570, Feb. 15.
- Liquids, Purification of. F. E. Nussberger. 2,465,658, Mar. 29.
- Liquids, Treatment of aqueous. E. B. Higgins. 2,471,213, May 24.
- Liquids, Treatment of turbid. E. M. Kelly. 2,477,459, July 26.
- Listing attachment, Telephone number. G. A. Higbee. 2,471,430, May 31.
- Lithium aluminum hydride and aluminum hydride, Producing. T. R. P. Gibb, Jr. 2,468,260, Apr. 26.
- Lithium amide and other metal compounds, Production of. P. P. Alexander. 2,490,851, Dec. 13.
- Litter. K. F. Springer. 2,489,828, Nov. 29.
- Litter and bedding for poultry and other animals, Insecticide. A. Paquette. 2,477,892, Aug. 2.
- Litter installation for vehicles. E. G. Dickinson and J. C. Parkin. 2,473,364, June 14.
- Live bait container. C. K. Brown. 2,490,507, Dec. 6.
- Livestock tool. D. F. Christoffer. 2,485,703, Oct. 25.
- Livers, Treatment of. L. S. Paddock. 2,471,282, May 24.
- Load-actuated friction brake. J. T. Rosman. 2,492,816, Dec. 27.
- Load-advancing mechanism for truck bodies. H. C. Green and G. E. Bennett. 2,465,222, Mar. 22.
- Load arresting device, Pressure inflated parachute. M. Hattan. 2,486,403, Nov. 1.
- Load binder. W. P. Randolph. 2,486,676, Nov. 1.
- Load brake for railway cars, Variable. A. G. H. Carlbom. 2,475,818, July 12.
- Load carrier mounting. L. H. Lull. 2,458,949, Jan. 11.
- Load control, Locomotive. W. P. Stephens. 2,478,135, Aug. 2.
- Load control system, Turbine-generator. S. B. Farnham and R. Sheppard. 2,485,374, Oct. 18.
- Load holding device. H. W. Miller. 2,476,753, July 19.
- Load hook connection. C. S. Schroeder. 2,469,612, May 10.
- Load lifting and lowering mechanism, Fluid actuated. I. A. Weaver. 2,471,989, May 31.
- Load limit control. F. G. Arwood. 2,479,149, Aug. 16.
- Load limiting clutch. W. C. Starkey. 2,487,280, Nov. 8.
- Load positioner. G. V. Johnson. 2,479,623, Aug. 23.
- Load-release device, Automatic. J. C. Rumsey. 2,492,370, Dec. 27.
- Load responsive control circuit. J. R. Schoenbaum. 2,491,691, Dec. 20.
- Load-supporting means for trucks, Extensible. H. Vuori. 2,468,579, Apr. 26.
- Loader and control, Material. L. C. Sokol. 2,485,933, Oct. 25.
- Loader and unloader, Truck. W. C. Beyer. 2,479,899, Aug. 23.
- Loader attachment for tractors, Hydraulically operated. E. J. Scofield. 2,468,378, Apr. 26.
- Loader, Bale. R. D. Acton. 2,491,353, Dec. 13.
- Loader, Bale and sack. M. S. Alves. 2,480,392, Aug. 30.
- Loader, Beet. H. F. Clausen. 2,463,019, Mar. 1.
- Loader, Car. N. E. Sinnott. 2,485,462, Oct. 18.
- Loader, Cartridge clip. R. S. Barker, E. L. Ballinger, E. C. Fletcher, E. G. Cooper, and P. F. Lambert. 2,462,836, Mar. 1.
- Loader, Dirt. A. K. Greenway. 2,467,029, Apr. 12.
- Loader for revolvers. H. C. Lima. 2,488,732, Nov. 22.
- Loader for revolvers. B. L. Peck. 2,470,182, May 17.
- Loader for tractors. S. S. Pokorny. 2,482,365, Sept. 20.
- Loader for variable speed friction gearings, Torque. F. Ferruca. 2,466,964, Apr. 12.
- Loader for vehicles, Cargo. H. E. Presnell. 2,480,959, Sept. 6.
- Loader, Front end. L. D. Pfau, R. D. Tufford, and J. E. Mayer. 2,490,155, Dec. 6.
- Loader, Grain. M. Mayrath. 2,483,290, Sept. 27.
- Loader, Hay. H. E. Altgelt. 2,478,072, Aug. 2.
- Loader, Hay. C. J. Smith. 2,460,544, Feb. 1.
- Loader, High lift side-delivery. D. S. Hoover. 2,468,201, Apr. 26.
- Loader, Leer. W. L. McNamara and J. McFee. 2,464,334, Mar. 15.
- Loader machine. E. M. McElhinney and T. A. Podhajsky. 2,472,223, June 7.
- Loader, Manure. A. W. Severin and M. H. Feldmann. 2,481,251, Sept. 6.
- Loader, Manure. O. C. Siebring. 2,469,007, May 3.
- Loader, Portable. K. J. Yost. 2,490,292, Dec. 6.
- Loader, Power. J. J. Smart and G. R. Haydon. 2,478,643, Aug. 9.
- Loader, Shifting shovel. R. E. Boulton. 2,471,192, May 24.
- Loader, Shovel. E. A. and E. R. Drott. 2,482,612, Sept. 20.
- Loader, Shovel. H. M. Stueland. 2,461,093, Feb. 8.
- Loader, Skid. J. L. Budreau. 2,491,030, Dec. 13.
- Loader, Tractor. R. D. Acton. 2,474,998, July 5.
- Loader, Tractor mounted. H. M. Stueland. 2,489,469, Nov. 29.
- Loader, Tractor mounted grab. E. A. and E. R. Drott. 2,488,767, Nov. 22.
- Loader, Tractor mounted shovel. F. Caldwell. 2,468,542, Apr. 26.
- Loading and dispensing apparatus, Delivery truck. H. I. Richards. 2,459,839, Jan. 25.
- Loading and unloading apparatus for vehicles. G. H. Pride. 2,459,045, Jan. 11.
- Loading apparatus. J. Redington. 2,478,055, Aug. 2.
- Loading apparatus. C. Scott. 2,480,884, Sept. 6.
- Loading apparatus, Car. A. D. Sinden. 2,467,634, Apr. 19.
- Loading apparatus for tire-building machines. F. S. Sternad and J. P. Sapp. 2,487,196, Nov. 8.
- Loading attachment, Tractor. S. S. Pokorny and H. E. Luebbers. 2,465,476, Mar. 29.
- Loading device. A. R. Cunningham. 2,484,490, Oct. 11.
- Loading device. L. Te Desco. 2,478,513, Aug. 9.
- Loading device, Boat. F. Morse and A. W. Christensen. 2,486,316, Oct. 25.
- Loading device, Film. R. Sardeson and E. H. Savelle. 2,457,926, Jan. 4.
- Loading device for grinding machines, Work. A. J. Jones and C. C. W. Williams. 2,472,707, June 7.
- Loading device for tractors. J. S. Pilch. 2,463,803, Mar. 8.
- Loading device for trucks or other mobile vehicles. J. E. Owen. Re. 23,166, Nov. 8.
- Loading device, Grain. V. F. Walters. 2,492,341, Dec. 27.
- Loading device, Litter. H. S. Hamilton. 2,462,096, Feb. 22.
- Loading in a multilayer vacuum drier. R. M. Schaffner. 2,477,660, Aug. 2.
- Loading machine. A. L. Lee. 2,481,128, Sept. 6.
- Loading machine. A. L. Lee. 2,483,650, Oct. 4.
- Loading machine. E. M. McElhinney. 2,471,639, May 31.
- Loading machine, Agricultural. E. H. Appel. 2,460,441, Feb. 1.
- Loading machine, Shovel. G. E. Coats. 2,485,139, Oct. 18.
- Loading machine with rotatable turret having flexible receptacle supports and receptacle engaged valve actuators. E. E. Franz. 2,489,878, Nov. 29.
- Loading means, Spring. J. H. DeFrees. 2,469,158, May 3.
- Loading mortar, Breech. I. F. Rosenkrantz. 2,484,053, Oct. 11.
- Loading system for trallors and the like, Waste water disposal and fresh water. C. M. Rice. 2,477,769, Aug. 2.
- Lobster trap. J. R. MacDonald. 2,470,177, May 17.
- Locator, Casing joint. J. H. Castel. 2,459,499, Jan. 18.
- Locating and communicating system, Radio. E. Labin, D. D. Grieg, and A. M. Levine. 2,468,083, Apr. 26.
- Locating and locking means. T. A. Kestell. 2,458,859, Jan. 11.
- Locating beacons. E. L. Hudspeth. 2,472,212, June 7.
- Locating device. S. B. Simer. 2,490,483, Dec. 6.
- Locating pin and clamp, Combined. H. J. Modrey. 2,484,458, Oct. 11.
- Locating system, Object. B. M. Oliver. 2,459,117, Jan. 11.
- Location apparatus, Unbalance. C. B. Robertson. 2,492,400, Dec. 27.
- Location finder. F. J. Lundberg. 2,468,090, Apr. 26.
- Location of buried hydrocarbon deposits. A. J. Abrams. 2,465,564, Mar. 29.
- Location system, Radio object. W. H. Doherty. 2,471,264, May 24.
- Locator and lock screw. A. E. Horman. 2,476,195, July 12.
- Locator, Mill cutter center. C. R. Wilson. 2,472,241, June 7.
- Locator system, Object. P. A. Jeanne. 2,475,707, July 12.

Lock: See—

- Antijimmy tubular lock. Inertia operated bolt lock.
Automatic knob lock. Key controlled lock.
Automatic rope lock. Keyless lock.
Automatic wheel lock. Micrometer lock.
Automatic window lock. Mortice lock.
Automobile hood lock. Multiple door lock.
Automobile lock. Nondetrudable safety lock.
Automobile safety lock. Nut lock.
Billiard cue lock. Nut or bolt lock.
Brake controlled throttle lock. One-way worm gear lock.
Brake lock. Overhead door lock.
Cable lock. Permutation lock.
Car door lock. Pickproof lock.
Combination lock. Pinch lock.
Communicating door lock. Pump lock.
Compartment lock. Receptacle closure lock.
Coupler lock. Removable core lock.
Cycle lock. Safe lock.
Cylinder lock. Safety lock.
Detector bar switch lock. Sash lock.
Dial telephone lock. Seamed pipe lock.
Differential lock. Slide bolt lock.
Door lock. Sliding door lock.
Dump car door lock. Tractor brake lock.
Electric key lock. Tractor fifth-wheel safety lock.
Elevator door lock. Transmission gear shift lock.
Emergency control lock. Truck tail gate lock.
Extension cord connection lock. Unitary tumbler cylinder lock.
Fender door lock. Vehicle drawbar lock.
Folding table leg lock. Vehicle stake body lock.
Freight car door lock. Window lock.
Gas tank drain lock. Window sash lock.
Gun lock.
Handle lock.
- Lock. L. S. Bialkowski. 2,463,237, Mar. 1, Mar. 8.
Lock. L. M. Dyson. 2,481,093, Sept. 6.
Lock. T. Kaskouras. 2,458,002, Jan. 4.
Lock. E. O. J. Kelly. 2,480,481, Aug. 30.
Lock. E. N. Jacobi. 2,480,026, Aug. 23.
Lock. J. Mora. 2,468,406, Apr. 26.
Lock. M. Sachs. 2,466,557, Apr. 5.
Lock. T. B. Stue. 2,478,338, Aug. 9.
Lock. E. L. Teich. 2,478,436, Aug. 9.
Lock and alarm, Cash drawer. J. F. Wegele. 2,484,597, Oct. 11.
Lock and hydraulic release, Wheel. J. Kraus. 2,460,298, Feb. 1.
Lock and making the same, Sash. A. H. Verhoff. 2,468,646, Apr. 26.
Lock and release, Wheel fairing. A. D. McPherson, R. M. Dalton, and R. C. Smith. 2,484,900, Oct. 18.
Lock and seal, Combined freight car. E. A. Conaway. 2,484,077, Oct. 11.
Lock and seal device, Combination automotive vehicle truck. G. Bennett and A. L. Hauck. 2,479,199, Aug. 16.
Lock and valve for pneumatic conveying systems, Air. A. H. Korn. 2,470,744, May 17.
Lock and valve for steam cookers, Combination door. C. C. Young and D. E. Troupe. 2,458,461, Jan. 4.
Lock bar for bicycles. W. J. Mangan. 2,479,849, Aug. 23.
Lock construction, Corner. R. M. Dunning. 2,475,279, July 5.
Lock control, Door. J. A. Saldana. 2,475,757, July 12.
Lock for adjustable end wrench. J. H. Ogden. 2,458,794, Jan. 11.
Lock for automobile doors. J. Drzewiecki. 2,474,519, June 28.
Lock for automobiles, Antitheft. N. A. Truesdell. 2,471,293, May 24.
Lock for closures. K. Miller. 2,473,065, June 14.
Lock for dial gauges, Stem. J. Longworth and T. A. Deuber. 2,482,783, Sept. 27.
Lock for doors. J. J. Waitekaites. 2,476,520, July 19.
Lock for hay rakes. R. E. Herman. 2,488,061, Nov. 15.
Lock for hinged handle utensils, Handle. J. W. Mockabee. 2,460,840, Feb. 8.
Lock for hinged handles of travel irons. A. G. Swenson. 2,479,429, Aug. 16.
Lock for inserts, Thread. J. Rosan. 2,492,536, Dec. 27.
Lock for irrigation pipe joints. R. C. Wyss. 2,470,539, May 17.
Lock for journal box lids. G. F. Couch. 2,478,746, Aug. 9.
Lock for mailing galleys, Type. R. B. Orr. 2,473,214, June 14.
Lock for pistols, Trigger. J. Quinn and L. L. McDonie. 2,459,838, Jan. 25.
Lock for railroad spikes, Safety. W. T. Morris. 2,474,366, June 28.
Lock for railroads, Safety switch. L. A. Smith. 2,490,742, Dec. 6.
Lock for sail slide tracks, Snap. M. R. Sousa. 2,488,644, Nov. 22.
Lock for sewing machine stitch regulators. M. Ingwer. 2,467,672, Apr. 19.
Lock for slide fastener sliders. A. Weber. 2,463,074, Mar. 1.
Lock for threaded fastenings, Friction. H. C. Hallerstrom. 2,463,378, Mar. 1.
Lock for trailers, Fifth wheel. P. H. Bies and F. M. Cruthers. 2,471,854, May 31.
Lock for vises, Base. R. M. Nelson. 2,471,444, May 31.
Lock for work supports of fastening-inserting machines. J. F. Standish. 2,482,131, Sept. 20.
Lock handle assembly. S. B. McKenzie. 2,478,589, Aug. 9.
Lock handle, Safety automobile door. E. H. Cameron. 2,473,937, June 21.
Lock hook. C. M. Fisher. 2,485,872, Oct. 25.
Lock joint for anatomical appliances. M. E. Christopher. 2,485,036, Oct. 18.
Lock mechanism. H. J. Feldmann. 2,462,827, Feb. 22.
Lock mechanism. E. M. Navarro. 2,460,709, Feb. 1.
Lock mechanism. R. W. Springer. 2,468,644, Apr. 26.
Lock mechanism, Carriage shuttle. T. H. Ljunggren and F. A. Johnson. 2,465,542, Mar. 29.
Lock mechanism, Control. E. W. Batterson. 2,486,098, Oct. 25.
Lock nut, Hard rubber ball thread gripping. L. L. Lewis. 2,481,762, Sept. 13.
Lock nuts, Manufacturing. J. W. Neff. 2,464,412, Mar. 15.
Lock nuts, Manufacturing. J. H. Stover III. 2,464,728, Mar. 15.
Lockout and alarm device for circuit breakers. H. H. Lawson. 2,460,758, Feb. 1.
Lock protector. N. M. Budak. 2,461,676, Feb. 15.
Lock seam. J. J. Ingels. 2,483,095, Sept. 27.
Lock slider, Automatic. O. Scheuermann. 2,487,386, Nov. 8.
Lock station, Watchman's tour. E. A. Schachinger. 2,486,439, Nov. 1.
Locked coupling. H. R. Harding. 2,469,111, May 3.
Locking and actuating means for fluid control devices, Cover. A. K. Foulds. 2,488,770, Nov. 22.
Locking and aligning system, Conveyer. A. B. Bogle. 2,471,513, May 31.
Locking center pin for railway cars. K. Williams. 2,463,343, Mar. 1.
Locking device. C. E. Allerton. 2,459,785, Jan. 25.
Locking device. J. A. Barraket. 2,472,394, June 7.
Locking device. J. W. Byer. 2,469,592, May 10.
Locking device. H. Cohen. 2,462,164, Feb. 22.
Locking device. P. F. Mungan. 2,463,195, Mar. 1.
Locking device. N. L. Pedersen. 2,476,561, July 19.
Locking device. D. C. Robson. 2,469,993, May 10.
Locking device, Automatic. W. J. Six. 2,475,726, July 12.
Locking device, Automobile door. J. M. Royal. 2,466,481, Apr. 5.
Locking device, Door. J. V. Lutz and E. H. Keyser. 2,488,213, Nov. 15.
Locking device, Electric. J. E. Taylor. 2,473,664, June 21.
Locking device for automatic firearms. Sear. A. P. Taber. 2,491,534, Dec. 20.
Locking device for castered airplane main landing wheels, Pin. E. Wolf. 2,489,115, Nov. 22.
Locking device for clamp screws. E. R. Sullivan. 2,478,339, Aug. 9.
Locking device for lens-carrying camera turrets. A. C. Coutant and J. Mathot. 2,487,222, Nov. 8.
Locking device for metal casting mold. M. W. Askin. 2,480,434, Aug. 30.
Locking device for outboard motors. G. H. Binz. 2,479,300, Aug. 16.
Locking device for telescopic connections. L. Thompson and D. T. Wilson. 2,473,351, June 14.
Locking device for the drawbar coupler keys of railroad draft gears. H. N. Juel, J. A. Schroeder, and A. W. Bower. 2,463,628, Mar. 8.
Locking device for swivel type lipstick containers having reeded caps. R. L. McKnight. 2,485,105, Oct. 18.
Locking device, Hinged. A. C. Radtke. 2,485,015, Oct. 18.
Locking device, Motor vehicle. A. H. Burski. 2,487,919, Nov. 15.
Locking device, Screw. O. J. Poupitch. 2,469,311-12, May 3.
Locking device, Swinging closure. R. E. Fowler. 2,478,816, Aug. 9.
Locking device, Threaded. E. R. Boots. 2,462,603, Feb. 22.
Locking device, Threaded. H. O. Engstrom. 2,463,859.
Locking device, Tube stand. J. G. Schneeman. 2,486,685, Nov. 1.
Locking device, Window. B. P. Sparks. 2,462,434, Feb. 22.
Locking hinge for cigarette cases, Cigarette. F. Aversa. 2,474,714, June 28.
Locking means, Disk harrow hitch. J. S. Moore. 2,458,091, Jan. 4.
Locking means for camera focusing mechanisms, Cam operated. A. E. Little. 2,482,629, Sept. 20.
Locking means for cases, containers, and the like. G. Levinson. 2,472,486, June 7.
Locking means for chair casters, Gravity operated. A. A. Eriksen. 2,490,953, Dec. 13.
Locking means for folding table legs. G. Peterson. 2,478,502, Aug. 9.
Locking means for a hinged impact mass or weight for marine equipment. J. Kahl. 2,462,268, Feb. 22.
Locking means for lever operated rotary actuating bars of door fasteners. G. E. Dath. 2,484,078, Oct. 11.
Locking means for oil barrels. P. T. Double. 2,462,951, Mar. 1.
Locking means for rockable grate bars. G. Carris. 2,490,898, Dec. 13.

- Locking means for rotary operating bars of door fasteners. G. E. Dath. 2,473,679, June 21.
- Locking means, Door. J. A. Clark. 2,459,920, Jan. 25.
- Locking means, Screw. S. B. Martin. 2,479,075, Aug. 16.
- Locking mechanism, Airplane propeller. E. L. Notestein and R. J. Rumpf. 2,486,672, Nov. 1.
- Locking mechanism, Door. G. H. Whitney. 2,481,459, Sept. 6.
- Locking mechanism for aircraft retractible landing gear. W. Lohs. 2,476,154, July 12.
- Locking mechanism for chair seats. J. H. Hower. 2,479,361, Aug. 16.
- Locking mechanism for jigs and the like. M. Hitzelhammer. 2,458,705, Jan. 11.
- Locking nut and manufacturing the same. K. A. Swanson. 2,477,430, July 26.
- Locking system. F. E. Seaman. 2,470,581, May 17.
- Locking system, Door. J. G. Ingres and D. T. Ayers, Jr. 2,459,029, Jan. 11.
- Locomotive apparatus, Turbine driven. J. S. Newton and T. J. Putz. 2,491,200, Dec. 13.
- Locomotive with reciprocating engine receiving exhaust from steam turbine. R. M. Ostermann. 2,463,901, Mar. 8.
- Locomotive valve gear. J. A. McGrew. 2,490,644, Dec. 6.
- Log handling equipment. H. L. Baldwin. 2,467,354, Apr. 12.
- Log lifting jack. E. Schnadt. 2,492,597, Dec. 27.
- Logging block. P. E. Keeney. 2,464,451, Mar. 15.
- Logging bore holes, Method and apparatus for. G. Herzog. 2,483,139, Sept. 27.
- Logging equipment, Well. H.-G. Doll. 2,475,354, July 5.
- Logging, Gamma-ray. W. L. Russell. 2,469,461, May 10.
- Logging method and apparatus, Electrical. W. H. Stewart. 2,459,196, Jan. 18.
- Logging, Neutron well. W. L. Russell. 2,469,462, May 10.
- Logging of wells, Neutron. W. L. Russell. 2,469,463, May 10.
- Long draft aprons, Making. B. R. Billmeyer. 2,482,702, Sept. 20.
- Longue, Chaise. W. W. Vincent, Jr. 2,477,155, July 26.
- Loom: *See*—
Electric circular loom. Hand-operated loom.
Hand loom. Narrow ware loom.
- Loom. E. G. Mascarenhas. 2,477,996, Aug. 2.
- Loom. R. E. Walliser. 2,464,624, Mar. 15.
- Loom attachment for weaving ladder webbing. F. D. Murdock and J. A. De Angelis. 2,469,202, May 3.
- Loom beat-up mechanism. D. W. Shimwell. 2,471,354, May 24.
- Loom for weaving patterned pile fabrics. J. H. Harding. 2,477,249, July 26.
- Loom for weaving pile fabrics. W. T. Picking. 2,468,572, Apr. 26.
- Loom fork filling motion. G. E. Clentimack. 2,461,493, Feb. 8.
- Loom, hand. M. K. Durrin. Re. 23,071, Jan. 4.
- Loom harness. J. J. Kaufmann. 2,478,157, Aug. 2.
- Loom operation, Balanced. F. D. Snyder. 2,459,595, Jan. 18.
- Loom parts, Illuminating. J. C. Parker. 2,483,840, Oct. 4.
- Loom picker. H. M. Bacon. 2,487,780, Nov. 15.
- Loom picker. E. Nassimbene. 2,488,025, Nov. 15.
- Loom reed support. L. M. Rogers and F. F. Donoghue. 2,489,978, Nov. 29.
- Loom side and frame construction. W. A. Blanchard. 2,489,557, Nov. 29.
- Loom stopping means. E. J. Szabo and P. W. Christley. 2,471,845, May 31.
- Loom temple. T. C. Woodman. 2,468,908, May 3.
- Loop antenna circuit. M. P. Herrick. 2,483,047, Sept. 27.
- Loop control, Strip material. W. Few. 2,487,755, Nov. 8.
- Loop for train communication systems, Train carried transmitting. E. W. Breisch and J. I. Seitz. 2,469,102, May 3.
- Loop regulating mechanism for straight knitting machines. E. J. Berger and H. K. West. 2,470,181, May 17.
- Loop-spreader mechanism for chain-stitch sewing machines. F. F. Zeier. 2,482,079, Sept. 13.
- Loop-taker for sewing machines. W. M. Abresky. 2,491,022, Dec. 13.
- Loop-taker mechanisms for sewing machines. F. Parry. 2,476,061, July 12.
- Loop taker, Sewing machine. C. H. Petskeyes. 2,469,517, May 10.
- Loop with thermocouple, Pickup. H. Benioff. 2,473,779, June 21.
- Looped clothesline support. F. Mitchell. 2,489,971, Nov. 29.
- Looper. R. H. Randall. 2,470,642, May 17.
- Loose-leaf binder and latching mechanism. C. V. St. Louis. 2,465,179, Mar. 22.
- Loose-leaf binder and music stand table, Combination. K. Kitchen. 2,474,532, June 28.
- Loose-leaf binder case constructions, Making. F. S. Schade. 2,478,132, Aug. 2.
- Loose-leaf binder, Transparent. S. L. Goldman. 2,480,917, Sept. 6.
- Loosener, Drill bit. S. H. Malinak. 2,458,951, Jan. 11.
- Loudspeaker and transformer, Combined moving coil. J. J. Root. 2,478,642, Aug. 9.
- Loudspeaker diaphragm support comprising plural compliant members. H. F. Olson and J. Preston. 2,490,466, Dec. 6.
- Loud-speaker, Electrodynamic. L. W. Murkham. 2,490,227, Dec. 6.
- Loud-speaker, Electropneumatic. J. L. Fodor. 2,485,269, Oct. 18.
- Loudspeaker, Sealed-coil type vibratory magnet. J. O. Anghern. 2,492,255, Dec. 27.
- Loudspeaker support post, Outdoor theatre. G. M. Petersen. 2,473,173, June 14.
- Loud-speaker support with associated stationary baffle, Rotatable. J. Markowitz. 2,491,674, Dec. 20.
- Lounge chair. F. J. Luketa. 2,480,300, Aug. 30.
- Louver construction and pivot clip therefor. V. E. Huff. 2,490,438, Dec. 6.
- Louver, Directional air flow. M. I. Levy. 2,474,152, June 21.
- Louver mechanism for attic ventilation. A. W. Schild. 2,464,000, Mar. 8.
- Louver, Outdoor exposed. A. D. Hemphill. 2,466,948, Apr. 12.
- Low-ash crude lactose, Making. E. F. Almy and M. E. Hull. 2,467,453, Apr. 19.
- Low center of gravity sleds. V. W. Manthey. 2,460,021, Jan. 25.
- Low impedance switch circuit. D. D. Grieg. 2,480,130, Aug. 30.
- Low inertia induction motor. L. A. Amsberg. 2,492,678, Dec. 27.
- Low lift jack. S. S. Bowen. 2,486,918, Nov. 1.
- Low-methoxyl pectins and their preparation. W. D. Maclay and R. M. McCready. 2,478,170, Aug. 9.
- Low-power miniature fluorescent and/or glow lamp. C. Morehead. 2,476,616, July 19.
- Low pressure container. H. A. Schmitz, Jr. 2,477,831, Aug. 2.
- Low-pressure indicator. M. R. Eastman. 2,479,915, Aug. 23.
- Low-reflecting surfaces on optical elements, Forming. F. H. Nicoll. 2,461,840, Feb. 15.
- Low-temperature catalytic process for polymerizing olefinic materials in the presence of an inorganic diluent. J. F. Nelson and W. J. Sparks. 2,485,454, Oct. 18.
- Low-temperature Friedel-Crafts polymerization of alpha alkyl styrenes in carbon disulfide solution. A. B. Hersberger and R. G. Heiligmann. 2,479,618, Aug. 23.
- Low velocity gas burner. N. J. Urquhart. 2,458,543, Jan. 11.
- Low velocity oil and gas burner. N. J. Urquhart. 2,458,542, Jan. 11.
- Low velocity oil burner. N. J. Urquhart. 2,458,541, Jan. 11.
- Low viscosity polyvinyl butyral resins and making same. D. R. Swan. 2,469,318, May 3.
- Lower alkyl esters of α -phenylacetamido- β -acyloxyacrylic acid and preparing the same. S. A. Harris, C. H. Hoffman, and K. Folkers. 2,476,443, July 19.
- Lowering and handling apparatus for burial vaults. C. L. Berg. 2,461,675, Feb. 15.
- Lubricant. D. E. Adelson. 2,489,249, Nov. 29.
- Lubricant. R. E. Burk and E. C. Hughes. 2,468,031, Apr. 26.
- Lubricant. H. D. Hine and D. W. Young. 2,478,694, Aug. 9.
- Lubricant. R. L. May. 2,486,188, Oct. 25.
- Lubricant. A. J. Morway and J. C. Zimmer. 2,467,145-6, Apr. 12.
- Lubricant. E. N. Roberts. 2,463,429, Mar. 1.
- Lubricant. T. G. Roehner and G. W. Murray. 2,487,376-9, Nov. 8.
- Lubricant addition agents. J. C. Zimmer, E. W. Carlson, and G. W. Duncan. 2,467,176, Apr. 12.
- Lubricant, Aqueous. T. T. Rodgers. 2,474,325, June 28.
- Lubricant composition. R. L. Dietrich and R. W. Williams. 2,486,130, Oct. 25.
- Lubricant composition. G. W. Duncan and J. C. Zimmer. 2,491,649, Dec. 20.
- Lubricant composition. E. Lieber and A. F. Cashman. 2,487,151, Nov. 8.
- Lubricant composition. J. C. Munday and D. T. Rogers. 2,491,683, Dec. 20.
- Lubricant composition. J. M. Musselman. 2,484,843, Oct. 18.
- Lubricant composition, Organic. G. L. Perry. 2,459,717, Jan. 18.
- Lubricant containing pour point depressant. E. Lieber, E. P. Cashman, and R. M. Dean. 2,468,500, Apr. 26.
- Lubricant flow system to filter. E. G. Gunn. 2,463,459, Mar. 1.
- Lubricant, Low-temperature. A. J. Morway and J. C. Zimmer. 2,467,147, Apr. 12.
- Lubricant, Metalworking. H. L. Leland. 2,467,137, Apr. 12.
- Lubricant, Oil insoluble. A. J. Morway and D. W. Young. 2,467,148, Apr. 12.
- Lubricant, Spark plug thread. B. Folda, Jr. 2,460,632, Feb. 1.
- Lubricant, Shuffleboard. C. Decepoli. 2,486,826, Nov. 1.
- Lubricant, Shuffleboard. C. Decepoli. 2,487,640, Nov. 8.
- Lubricant, Stabilized. E. R. White. 2,491,432, Dec. 13.
- Lubricant, Synthetic. O. M. Reiff, H. D. Hartough, and H. J. Andress, Jr. Re. 23,140, Aug. 9.

- Lubricant, Synthetic. D. T. Rogers and J. H. Bartlett. 2,460,035, Jan. 25.
- Lubricant, Transparent metal fabricating. A. J. Morway and H. L. Leland. 2,480,666, Aug. 30.
- Lubricants. E. Lieber and R. M. Dean. 2,475,970, July 12.
- Lubricants. E. Lieber and M. M. Sadlon. 2,467,836, Apr. 19.
- Lubricants. B. H. Lincoln and J. M. Hersh. 2,490,068, Dec. 6.
- Lubricants. S. J. Lukasiewicz and A. N. Sachanen. 2,480,660, Aug. 30.
- Lubricants. L. A. Mikeska. 2,475,246, July 5.
- Lubricants. J. M. Musselman. 2,480,873, Sept. 6.
- Lubricants. R. Rosen and W. J. Sparks. 2,468,516, Apr. 26.
- Lubricants. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,475,409-10, July 5.
- Lubricants and the like. F. A. Leyda. 2,489,300, Nov. 29.
- Lubrication by the catalytic treatment of unsaturated ketones, Synthetic. F. P. Otto. 2,476,157, July 12.
- Lubricants, Extreme pressure. A. J. Morway. 2,487,260, Nov. 8.
- Lubricants, Extreme pressure. H. W. Rudel. 2,491,772, Dec. 20.
- Lubricants, Mineral oil. O. M. Reiff and H. J. Address, Jr. 2,480,673, Aug. 30.
- Lubricants of the extreme pressure type. E. B. Cyphers and G. M. McNulty. 2,488,618, Nov. 22.
- Lubricants, Rust inhibiting. L. W. Sproule and L. F. King. 2,479,424, Aug. 16.
- Lubricants, Rust protective. G. H. von Fuchs and G. P. Pilz. 2,481,372, Sept. 6.
- Lubricated mining machine chain. F. L. Fulke. 2,487,232, Nov. 8.
- Lubricating and packing shaft. E. J. O'Rourke. 2,469,515, May 10.
- Lubricating composition. D. E. Adelson. 2,481,487, Sept. 13.
- Lubricating composition. S. J. Barber and J. T. Eaton. 2,484,146, Oct. 11.
- Lubricating composition. E. R. Barnum and G. L. Perry. 2,459,718, Jan. 18.
- Lubricating composition. J. P. Buckmann and L. L. Neff. 2,461,961, Feb. 15.
- Lubricating composition. J. P. Buckmann and L. L. Neff. 2,476,812-13, July 19.
- Lubricating composition. P. W. Fischer. 2,483,270, Sept. 27.
- Lubricating composition. C. E. Funk, Jr. 2,466,408, Apr. 5.
- Lubricating composition. W. J. Sparks and D. W. Young. 2,460,041, Jan. 25.
- Lubricating composition. M. W. Swaney and G. E. Serniuk. 2,481,257, Sept. 6.
- Lubricating composition. P. R. Van Ess. 2,487,840, Nov. 15.
- Lubricating composition, Antiring sticking. M. van Loon. 2,483,859, Oct. 4.
- Lubricating compositions. J. A. Burton. 2,466,927, Apr. 12.
- Lubricating compositions. M. B. Goren. 2,482,762, Sept. 27.
- Lubricating compositions, Extreme pressure. L. W. Sproule and L. F. King. 2,468,520, Apr. 26.
- Lubricating construction, Axle. R. J. Burrows and A. O. Williams. 2,492,267, Dec. 27.
- Lubricating device. H. R. Abbrecht. 2,470,386, May 17.
- Lubricating device. A. D. Cashion. 2,480,549, Aug. 30.
- Lubricating device. B. E. Folke and R. H. Shepard. 2,474,661, June 28.
- Lubricating device, Railway track. W. F. Huck. 2,489,182, Nov. 22.
- Lubricating device, Twister ring. D. K. Pope. 2,479,401, Aug. 16.
- Lubricating grease, Manufacturing. G. W. Gurd and L. W. Sproule. 2,480,647, Aug. 30.
- Lubricating jeweled bearings of watch movements and like instrument parts. R. A. Flechter. 2,478,865, Aug. 9.
- Lubricating means, Automatic gear. R. A. Beckwith. 2,487,782, Nov. 15.
- Lubricating means, Driven unit. F. Miller. 2,468,339, Apr. 26.
- Lubricating means for bearings and spindles or shafts. E. Bugatti. 2,482,536, Sept. 20.
- Lubricating means for comb bars and bobbin shuttles for lace looms. E. M. Medbery. 2,482,425, Sept. 20.
- Lubricating means for well-drilling rotaries. A. R. Maier. 2,491,747, Dec. 20.
- Lubricating means, Pump. C. F. Duerr, Jr. 2,460,814, Feb. 8.
- Lubricating metal surfaces during cold working. G. H. Orozco, and J. A. Henricks. 2,469,473, May 10.
- Lubricating oil composition. M. W. Freeman. 2,481,585, Sept. 13.
- Lubricating oil composition. J. G. McNab, G. M. McNulty, and T. Cross, Jr. 2,480,664, Aug. 30.
- Lubricating oil, Compounded. D. T. Rogers and J. G. McNab. 2,483,505, Oct. 4.
- Lubricating oil filter. J. A. Pickard. 2,474,161, June 21.
- Lubricating oil, Production of synthetic. R. L. Heinrich. 2,463,872, Mar. 8.
- Lubricating oils and the like. E. G. Foehr and F. A. Leyda. 2,489,301, Nov. 29.
- Lubricating oils, Preparing. P. H. Carnell. 2,462,360, Feb. 22.
- Lubricating oils, Treatment of. P. H. Carnell. 2,487,306, Nov. 8.
- Lubricating spacebands. E. E. Alm. 2,490,568, Dec. 6.
- Lubricating system for mechanisms operating at high altitudes. R. Birmann. 2,458,763, Jan. 11.
- Lubricating system for motors. F. P. Gooch. 2,460,283, Feb. 1.
- Lubricating system, Machine tool. E. J. Hlinsky. 2,457,893, Jan. 4.
- Lubricating system, Outboard motor. A. S. Bosma. 2,458,051, Jan. 4.
- Lubricating system, Packing. E. Hanson. 2,466,025, Apr. 5.
- Lubricating unit, High-pressure. L. B. Williams. 2,459,010, Jan. 11.
- Lubrication indicator. H. H. Mathews, Sr. 2,468,219, Apr. 26.
- Lubrication means, Crankpin. R. W. Young. 2,490,293, Dec. 6.
- Lubrication means for dual propeller shaft assemblies. E. A. Hulbert. 2,457,999, Jan. 4.
- Lubrication means, Turbine. W. A. Ledwith. 2,484,952, Oct. 18.
- Lubrication of air counterbalance cylinders. W. G. Corey. 2,486,705, Nov. 1.
- Lubrication, Speed gear. S. Markland. 2,487,350, Nov. 8.
- Lubrication system. O. D. H. Bentley. 2,472,802, June 14.
- Lubrication system. J. A. Stahn. 2,482,806, Sept. 27.
- Lubrication, Track joint. F. W. Brooke. 2,459,990, Jan. 25.
- Lubricator: See—
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| Cable lubricator. | Piston rod packing lubricator. |
| Compensating piston lubricator. | Rail lubricator. |
| Journal lubricator. | Running rope lubricator. |
| Knitting machine lubricator. | Wheel flange lubricator. |
- Lubricator. M. G. Bales. 2,485,998, Oct. 25.
- Lubricator. A. Feucht. 2,484,338, Oct. 11.
- Lubricator. B. Medhaug. 2,481,856, Sept. 13.
- Lubricator. A. E. Moxley. 2,474,754, June 28.
- Lubricator. J. Thirion. 2,492,903, Dec. 27.
- Lubricator and mixing device. H. A. Flagge. 2,457,813, Jan. 4.
- Lubricator for air and gas lines. P. Ketelsen and H. L. Gwosky. 2,466,246, Apr. 5.
- Lubricator for air compressors and the like. W. A. Chancellor. 2,475,075, July 5.
- Lubricator for journal boxes. J. D. Bigelow. 2,491,602, Dec. 20.
- Lubricator structure, Journal. J. J. Hennessy. 2,487,133, Nov. 8.
- Lubricator system, Sight-feed. T. E. De Villiers. 2,483,363, Sept. 27.
- Lug, Asparagus. P. P. Buffo. 2,463,146, Mar. 1.
- Lug for tamping rollers, Kneading compaction. 2,484,285, Oct. 11.
- Lug rebuilding method for tires, Tread. V. Rawls. 2,474,013, June 21.
- Lug strap hanger. F. Buchanan. 2,461,138, Feb. 8.
- Luggage carrier. W. A. Bishman. 2,488,263, Nov. 15.
- Luggage, Hand. W. L. Goodman, Jr. 2,479,831, Aug. 23.
- Luggage, Mobile. B. Quinton. 2,472,491, June 7.
- Luggage seam reinforced by a U-shaped plastic strip having a T-shaped cross-section. L. Stein. 2,487,951, Nov. 15.
- Lumber, Making laminated. R. D. Lambert and D. W. Smith. 2,490,819, Dec. 13.
- Lumber, Sheet. W. C. Goss. 2,485,587, Oct. 25.
- Luminaire. F. C. Winkler and B. A. Wyman. 2,462,243, Feb. 22.
- Luminaire and transformer housing. C. W. Flood, Jr. 2,464,971, Mar. 22.
- Luminaire, Fluorescent lighting. S. R. Naysmith. 2,487,468, Nov. 8.
- Luminaire, Photoelectric controlled. A. M. Bjontegard. 2,489,076, Nov. 22.
- Luminaire, Street lighting. T. W. Rolph. 2,474,326-7, June 28.
- Luminaire, Surface attached fluorescent lighting. V. S. Wince. 2,474,341, June 28.
- Luminescent maraca. R. J. Tossas. 2,459,555, Jan. 18.
- Luminescent materials, Manufacture of. H. W. Leverenz. 2,462,517, Feb. 22.
- Luminous advertising sign. C. J. M. Meijer, nee Kerkhof. 2,486,859, Nov. 1.
- Luminous and luminescent sign. W. L. Kohlhauser and W. R. Bird. 2,480,584, Aug. 30.
- Luminous time lapse traffic signal. M. J. Fein. 2,480,290, Aug. 30.
- Lunch box. B. J. Mills. 2,465,910, Mar. 29.
- Lunch can. J. Dougherty. 2,458,837, Jan. 11.
- Lunch kit and vanity case, Combined. R. E. Callaghan. 2,487,220, Nov. 8.
- Lure attaching clip. C. C. Coats. 2,486,635, Nov. 1.
- Luting composition. G. Skramstad. 2,465,045, Mar. 22.
- Machine. S. W. Lasto. 2,489,239, Nov. 22.
- Machine accessory, Grinder. L. Illmer. 2,488,866, Nov. 22.

- Machine adapted for typing Chinese ideographs. E. Buhler and C. A. Berry. 2,458,339, Jan. 4.
- Machine agitator, Oscillatory washing. R. H. Marsh. 2,471,760, May 31.
- Machine and method for manufacture of shoes. J. Fossa. 2,461,889, Feb. 15.
- Machine and method for packaging and crushing tablets. L. L. Salfsberg. 2,478,505, Aug. 9.
- Machine and method of making oil filter packs. A. R. White. 2,471,595, May 31.
- Machine and method of uniting superimposed fabrics. I. M. A. Garcia. Re. 23,132, July 12.
- Machine attachment, Gear hobbing. J. W. Barcus. 2,472,644, June 7.
- Machine attachment, Labeling. F. J. Schulz. 2,471,288, May 24.
- Machine attachment, Stapling. M. A. Zucker. 2,488,462, Nov. 15.
- Machine connection, Dynamoelectric. S. A. Choudhury. 2,492,734, Dec. 27.
- Machine control, Ironing. D. K. Ferris. 2,457,990, Jan. 4.
- Machine controller, Dynamoelectric. E. Pell. 2,469,440, May 10.
- Machine construction, Dynamoelectric. F. M. Potter. 2,473,257, June 14.
- Machine cooling, Dynamoelectric. W. J. Elks. 2,464,221, Mar. 15.
- Machine core member, Dynamoelectric. A. F. Ordas. 2,461,296, Feb. 8.
- Machine drive, Washing. H. D. Brotman. 2,468,919, May 3.
- Machine element. H. E. McCallion. 2,463,292, Mar. 1.
- Machine for agitating the fluent contents of containers. A. J. Thurman and C. E. Thomas. 2,487,033, Nov. 1.
- Machine for aligning and sizing elongated rollable articles. W. H. Tyler. 2,463,578, Mar. 8.
- Machine for and method of forming bodies by grinding. A. C. Mason. 2,486,750, Nov. 1.
- Machine for application of sleeves to valve bags. E. W. Vredenburg. 2,483,860, Oct. 4.
- Machine for applying a short length of tacky adhesive tape, Portable. K. J. Franke. 2,468,619, Apr. 26.
- Machine for applying adhesives to bottom surfaces. W. E. McDonald. 2,490,077, Dec. 6.
- Machine for applying bands to cigars. H. E. Brouns. 2,473,275, June 14.
- Machine for applying binding tape. J. Wagner. 2,488,355, Nov. 15.
- Machine for applying coating to large vertical cylindrical objects. P. R. Hirsh. 2,476,299, July 19.
- Machine for applying heat-sealing or other adhesive tabs or labels to fabric and the like. C. W. Adshead. 2,479,891, Aug. 23.
- Machine for applying labels to containers. T. L. Cook. 2,468,922, May 3.
- Machine for applying plastic material. C. F. Hammann. 2,485,595, Oct. 25.
- Machine for applying rubber tire treads to carcasses. E. Miller. 2,473,067, June 14.
- Machine for applying spots to bottle caps. A. Weisenburg. 2,471,255, May 24.
- Machine for applying surface decorations to bottles and jars. A. S. Jackson and C. A. Heyne. 2,461,281, Feb. 8.
- Machine for applying transfers. C. G. Newton. 2,484,901, Oct. 18.
- Machine for assembling and molding shoe bottom parts. W. H. Heggs and H. G. Heather. 2,472,210, June 7.
- Machine for assembling and molding shoe bottom parts. C. A. Newhall. 2,466,730, Apr. 12.
- Machine for assembling sheet material. E. E. Magee. 2,483,707, Oct. 4.
- Machine for assembling springs. J. Gauci and D. Krakauer. 2,470,812, May 24.
- Machine for assorting eggs according to weight. A. A. Brown. 2,461,308, Feb. 8.
- Machine for automatically producing given work on successive surfaces of articles. L. G. Brown. 2,486,819, Nov. 1.
- Machine for automatically removing the feathers from fowl. E. B. Digby. 2,472,468, June 7.
- Machine for barbing applicator sticks. H. L. Barber and G. L. Sellars. 2,492,027, Dec. 20.
- Machine for beading tubes by radial expansion followed by axial pressure. H. E. Hull and P. L. Takacs. 2,458,854, Jan. 11.
- Machine for beveling soles. E. J. Ray. 2,459,339, Jan. 18.
- Machine for breaking fibrous materials. J. V. Cook. 2,460,448, Feb. 1.
- Machine for breaking in shoes. A. Sachs. 2,470,867, May 24.
- Machine for bursting perforated forms. R. O. and R. C. Oakley. 2,492,497, Dec. 27.
- Machine for capping tubes. M. J. Waldinger. 2,483,028, Sept. 27.
- Machine for carotting loose fur. E. A. Culhane and D. D. Wilson. 2,459,924, Jan. 25.
- Machine for cement coating platform soles and covers therefor. W. W. Prue. 2,466,824, Apr. 12.
- Machine for cleaning the surfaces of Venetian blind slats. J. Gains. 2,472,155, June 7.
- Machine for clenching a hoop connecting member and the like. H. G. Bell and J. D. Gay, Jr. 2,484,398, Oct. 11.
- Machine for coating platform shoes and covers therefor. W. L. MacKenzie. 2,466,818, Apr. 12.
- Machine for cold-drawing bar stock. P. C. Vetter. 2,492,544, Dec. 27.
- Machine for compacting material in containers. H. V. Kindseth. 2,458,387, Jan. 4.
- Machine for cooling cream. A. Johnson. 2,480,583, Aug. 30.
- Machine for counting and bottling pellets and the like. S. Joseph. 2,483,207, Sept. 27.
- Machine for cutting and trimming selvage thread loops. S. E. Vollenweider. 2,477,431, July 26.
- Machine for cutting double pile fabrics. W. T. Sullivan. 2,476,780, July 19.
- Machine for cutting index notches in book edges. H. Sieb. 2,489,825, Nov. 29.
- Machine for cutting leaf tobacco and the like. P. Q. R. Schreiber. 2,464,896, Mar. 22.
- Machine for cutting sheet material. C. J. Anderson. 2,467,546, Apr. 19.
- Machine for cutting vegetables into cubes. G. W., W. E., and J. R. Urschel. 2,465,670, Mar. 29.
- Machine for cutting vegetables or the like material. E., H., T. B., and F. Nelson. 2,490,455, Dec. 6.
- Machine for debarking and trimming either standing or felled tree trunks. W. B. Emery and H. Shuff. 2,477,922, Aug. 2.
- Machine for decorating fiber-bearing stalks and leaves. D. E. Patterson. 2,480,602, Aug. 30.
- Machine for deheading shrimp. W. O. Smith. 2,491,778, Dec. 20.
- Machine for die-cutting paper. E. F. Noell. 2,483,735, Oct. 4.
- Machine for die-forming sheet metal blanks, Mass production. A. Illsche. 2,461,688, Feb. 15.
- Machine for dispersing agglomerated pigments in liquids. P. E. Knudsen and J. A. Hanley. 2,464,588, Mar. 15.
- Machine for doubling or twisting yarns, threads, and the like. M. Langstreh. 2,463,887, Mar. 8.
- Machine for earth-working, log-lifting, stock-piling, or the like. C. W. F. Hamilton. 2,483,006, Sept. 27.
- Machine for electric arc welding, Automatic. R. J. Schmerber. 2,469,790, May 10.
- Machine for electric-arc welding, Automatic. R. J. Schmerber. 2,488,987, Nov. 22.
- Machine for electric welding of feet onto dial plates, markings, and the like. J. and H. Schneider. 2,465,609, Mar. 29.
- Machine for electrical condensers, Automatic. H. T. Danziger. 2,476,707, July 19.
- Machine for elongated packages, Tying. B. H. Bunn. 2,469,544, May 10.
- Machine for fabricating radiator fins. T. B. Echols and R. V. Howell. 2,483,694, Oct. 4.
- Machine for fabricating strakes for boat construction or the like. A. G. S. Sandison. 2,471,780, May 31.
- Machine for filling containers with liquids. L. Clarke. 2,485,190, Oct. 18.
- Machine for filling receptacles with measured quantities of material. J. W. McCaslin. 2,467,766, Apr. 19.
- Machine for finishing or grinding arcuate surfaces. J. Van Buren. 2,487,201, Nov. 8.
- Machine for fire hose, Scrubbing. I. E. Parker and T. W. Brydon. 2,471,041, May 24.
- Machine for flame-cutting circles. L. Millis. 2,463,408, Mar. 1.
- Machine for flame tempering cams. W. Y. Robb. 2,491,134, Dec. 13.
- Machine for fleshing and/or scraping hides. L. Alberti. 2,480,994, Sept. 6.
- Machine for folding sheet material. F. B. Clark. 2,464,656, Mar. 15.
- Machine for forcing fittings into the ends of wooden bars. H. Nelson. 2,488,318, Nov. 15.
- Machine for forming and applying hood caps to bottles. A. J. Briggs. 2,486,252, Oct. 25.
- Machine for forming and joining snap fastener tapes. J. P. Treციokas. 2,461,944, Feb. 15.
- Machine for forming article supporting pallets for wrapping machines. N. W. Lyon and R. E. Brown. 2,473,656, June 21.
- Machine for forming gears. H. Pelphrey and J. Martin. 2,469,310, May 3.
- Machine for forming lawn mower handles and the like. H. J. Hoff. 2,485,096, Oct. 18.
- Machine for forming soles. J. M. Ewart. 2,475,663, July 12.
- Machine for forming the dough for bakers' rolls. L. Portner. 2,464,938, Mar. 22.
- Machine for frictionally stretching and mounting solid resilient tires upon rims. S. and N. J. Kroll. 2,464,092, Mar. 8.
- Machine for gathering hay and conditioning it for animal food. H. M. Gehl. 2,477,795, Aug. 2.
- Machine for grinding drills, Automatic. E. Fouquet. 2,477,730, Aug. 2.
- Machine for grinding objects. W. H. Catucci. 2,475,009, July 5.
- Machine for harvesting and baling underwater plant life. M. E. Grinwald. 2,486,275, Oct. 25.
- Machine for harvesting corn and converting it into ensilage. H. M. Gehl. 2,477,794, Aug. 2.
- Machine for hobbing gears. J. A. Bradner. 2,481,974, Sept. 13.

- Machine for impaling, feeding, and slicing commodities. H. L. Bird and A. Rose. 2,489,395, Nov. 29.
- Machine for impregnating material with liquid. L. A. Kauffman. 2,474,254, June 28.
- Machine for impregnating webs. W. E. Holland, A. J. Stanley, and J. A. Chestnut. 2,477,604, Aug. 2.
- Machine for inserting and fastening in shoe uppers individual thermoplastic lacing elements. M. H. Roske. 2,478,057, Aug. 2.
- Machine for inserting fastenings. R. H. Lawson. 2,475,669, July 12.
- Machine for jiggering oval dinnerware. R. F. Malarkey. 2,485,159, Oct. 18.
- Machine for joining sheet materials by the heating effect of electric stress alternating at high frequency. J. C. Quayle and P. Jones. 2,477,313, July 26.
- Machine for lapping wire drawing dies. P. Bieberich. 2,470,331, May 17.
- Machine for locating screwheads with respect to drills. M. J. Carpinella. 2,462,035, Feb. 15.
- Machine for making and applying ornamental devices. C. Bustamante. 2,482,537, Sept. 20.
- Machine for making arch-type culverts by means of internally positioned forms. F. L. Carswell and O. W. Schmidt. 2,474,887, July 5.
- Machine for making artificial ice products. A. Gruhn. 2,467,933, Apr. 19.
- Machine for making circular form tools. G. R. Houghtaling. 2,472,975, June 14.
- Machine for making concrete pipe. L. F. Parker. 2,467,631, Apr. 19.
- Machine for making corrugated paper. B. W. Langston. 2,482,627, Sept. 20.
- Machine for making electrode assemblies. P. L. Reed. 2,476,454, July 19.
- Machine for making insulating blankets. W. B. Byers. 2,484,686, Oct. 11.
- Machine for making pile fabrics. L. M. Ballamy. 2,489,513, Nov. 29.
- Machine for making reinforced concrete beams. W. N. Russell. 2,470,650, May 17.
- Machine for making tubing. F. W. Sampson and E. P. Harris. 2,489,503, Nov. 29.
- Machine for manufacturing spherical gears. J. H. Hitchcock. 2,473,709, June 21.
- Machine for marking cylindrical articles. D. F. Putnam and C. F. Robbins. 2,461,233, Feb. 8.
- Machine for marking on cylindrical articles. C. F. Robbins. 2,459,538, Jan. 18.
- Machine for marking the surface of a column of plastic materials. F. I. Gase. 2,462,628, Feb. 22.
- Machine for marking wire, cable, rods, and the like. C. F. Robbins. 2,470,075, May 10.
- Machine for molding concrete blocks. A. P. Turner. 2,466,339, Apr. 5.
- Machine for molding plastic materials, such as confectionery. A. W. Barker. 2,484,670, Oct. 11.
- Machine for mounting seals on bale straps. C. E. Hendrixson, Jr., and C. W. Cox. 2,489,377, Nov. 29.
- Machine for mucking vertical shafts. D. O. Turner. 2,479,651, Aug. 23.
- Machine for operating on footwear. J. Bouchal. 2,489,558, Nov. 29.
- Machine for operating on shoes. G. H. Collins. 2,469,453, May 10.
- Machine for operating on sole parts. A. F. Donovan. 2,472,524, June 7.
- Machine for operating upon shoe soles. E. J. Ray. 2,459,179, Jan. 18.
- Machine for packing products. E. H. Carruthers. 2,475,422, July 5.
- Machine for packing string beans. A. R. Thompson. 2,467,278, Apr. 12.
- Machine for picking feathers from fowls. E. B. Digby. 2,470,151, May 17.
- Machine for plastics and other moldable materials, molding. W. S. Renier. 2,460,468, Feb. 1.
- Machine for platform and cover cementing. W. L. MacKenzie. 2,466,816, Apr. 12.
- Machine for pneumatically separating potatoes from rocks. A. J. Thompson. 2,458,224, Jan. 4.
- Machine for pressing soles on shoes. P. W. Senfleben. 2,486,537, Nov. 1.
- Machine for printing on cylindrical articles. C. H. Cheeseman. 2,468,427, Apr. 26.
- Machine for printing on stencil cards. H. D. Ralston and R. A. Pearson. 2,467,697, Apr. 19.
- Machine for processing fabric piece goods, animal skins, hides, and the like. W. Page and W. F. Short. 2,467,093, Apr. 12.
- Machine for processing waste fibers. C. W. Barnes and J. W. Cole. 2,484,604, Oct. 11.
- Machine for producing pads for journal lubrication. H. D. and A. A. McVicker. 2,485,901, Oct. 25.
- Machine for producing unwoven fabrics. C. C. Wilson, H. H. Cudd, and D. V. Probasco. 2,478,148, Aug. 2.
- Machine for railways, Ballast tamping. F. H. Philbrick. 2,482,796, Sept. 27.
- Machine for regrinding worn crankshafts. V. J. Prince. 2,475,401, July 5.
- Machine for removing meat from shells. O. A. Schoening. 2,467,155, Apr. 12.
- Machine for removing shoes from lasts. W. D. McKeon. 2,469,471, May 10.
- Machine for removing stems and caps from berries, fruit and the like. F. J. Paul. 2,479,961, Aug. 23.
- Machine for removing the soft wood from the surface of plywood panels. C. M. De Witt. 2,467,194, Apr. 12.
- Machine for sandblast cleaning of tubular goods. K. L. Krieg and W. T. Johnson. 2,468,984, May 3.
- Machine for sealing filled bags. E. C. and R. H. St. Jacques. 2,491,226, Dec. 13.
- Machine for separating and feeding counted batches of articles. G. Turrall and C. H. Skinner. 2,484,196, Oct. 11.
- Machine for separating spent hops from wort. E. L. Chaffee. 2,471,517, May 31.
- Machine for setting pronged beads. A. and H. Effgen. 2,489,764, Nov. 29.
- Machine for setting up cellular cartons. J. E. Annen. 2,479,994, Aug. 23.
- Machine for severing and shaping metal plates. J. H. Bucknam and J. H. Rountree. 2,477,041, July 26.
- Machine for shaping prewelt shoe uppers. E. A. Holmgren. 2,480,926, Sept. 6.
- Machine for shaping shoe end portions. M. L. Dodge. 2,484,876, Oct. 18.
- Machine for shaping uppers over lasts. B. Jorgensen. 2,469,467, May 10.
- Machine for sharpening knife blades. D. B. Ellig. 2,465,678, Mar. 29.
- Machine for shelling peas and beans. H. Z. Stewart. 2,463,918, Mar. 8.
- Machine for simultaneously applying a plurality of tires on a plurality of wheels. W. R. Bishop. 2,466,569, Apr. 5.
- Machine for simultaneously threading, beading, and knurling closure caps. J. M. Montelione. 2,465,253, Mar. 22.
- Machine for sizing tubes. L. H. Messinger. 2,485,007, Oct. 18.
- Machine for slicing potatoes. G. J. Abbott. 2,485,344, Oct. 18.
- Machine for slitting and widening boards. A. Elmendorf. 2,468,595, Apr. 26.
- Machine for solving simultaneous equations, Calculating. J. R. Bowman. 2,469,627, May 10.
- Machine for sorting record cards. E. A. Ford. 2,472,890, June 14.
- Machine for spray coating hollow articles. J. H. Friden and W. A. Abrecht. 2,489,371, Nov. 29.
- Machine for straightening and sizing castings, forgings, stampings, or the like. C. W. Bell. 2,473,673, June 21.
- Machine for stripping insulation from wires. L. Vermette. 2,485,518, Oct. 18.
- Machine for stuffing newspapers or similar sheet material assemblages. P. Schweizer. 2,461,573, Feb. 15.
- Machine for target practice. C. A. Anderson. 2,467,180, Apr. 12.
- Machine for tamping ballast. F. H. Philbrick. 2,482,123, Sept. 20.
- Machine for the grinding of cutting tools. A. C. Bedford. 2,490,614, Dec. 6.
- Machine for the manufacture of ropes, cords, knitting wool, and the like. M. Kaplinsky. 2,476,736, July 19.
- Machine for the wet treatment of textile materials or the like. M. Cassé. 2,482,319, Sept. 20.
- Machine for treating nylon stockings. M. J. Hélot. 2,492,285, Dec. 27.
- Machine for trimming branches from standing trees. R. E. Whitaker. 2,482,392, Sept. 20.
- Machine for trimming shoe parts. E. A. Holmgren. 2,458,598, Jan. 11.
- Machine for turning the platform covers of platform shoes. A. R. Hubbard. 2,470,170, May 17.
- Machine for tying spaced overhand knots, Knot tying. W. F. Haack. 2,489,488, Nov. 29.
- Machine for use in attaching soles to shoes. H. Gulbrandsen. 2,488,532, Nov. 22.
- Machine for use in manufacture of shoes. H. A. Imhof. 2,489,416, Nov. 29.
- Machine for use in the manufacture of shoes. C. W. Baker. 2,463,672, Mar. 8.
- Machine for welding thermoplastic films. R. D. Lowry, and W. R. Church. 2,469,972, May 10.
- Machine for welding together pieces of metal wire. J. van der Windt. 2,463,129, Mar. 1.
- Machine for winding capacitors. F. Weiss. 2,466,977, Apr. 12.
- Machine for winding flat oblong coils. W. C. Shaw. 2,478,716, Aug. 9.
- Machine for working shoe uppers over lasts. E. A. Holmgren and H. B. Patten. 2,478,193, Aug. 9.
- Machine gun control. V. F. Zahodiakin. 2,477,846, Aug. 2.
- Machine gun mount, Power-operated flexible. C. W. Greene. 2,487,237, Nov. 8.
- Machine head control, Pressing. H. D. Forse. 2,472,656, June 7.
- Machine member, Dynamoelectric. R. F. Sharrow and C. J. Herman. 2,465,820, Mar. 29.
- Machine member, Dynamoelectric. C. A. Thomas. 2,463,331, Mar. 1.
- Machine milking plant. E. G. Redin, and K. E. Olander. 2,469,519, May 10.
- Machine or apparatus for surfacing roads. O. G. Mandt and A. S. Millikin. 2,473,961, June 21.

- Machine particularly for producing coiled filaments for electric lamps and electronic tubes, Wire coiling. H. Marter. 2,458,789, Jan. 11.
- Machine provided with rotary worktable, Gear hobbing or like. A. Sykes and W. A. Tuplin. 2,466,512, Apr. 5.
- Machine rest, Pistol. E. Lea. 2,458,608, Jan. 11.
- Machine rotor construction, Dynamoelectric. W. J. Morrill. 2,461,566, Feb. 15.
- Machine shoe, Sanding and polishing. E. G. Peterson. 2,468,098, Nov. 15.
- Machine to impress decorative strips on articles. J. Cohen and S. Blake. 2,477,440, July 26.
- Machine to stamp decorative material upon articles. J. Cohen. 2,488,377, Nov. 15.
- Machine tool. A. Ardoin and M. Chenillat. 2,468,478, Apr. 26.
- Machine tool. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,481,383, Sept. 6.
- Machine tool. F. H. Bogart. 2,473,133, June 14.
- Machine tool. F. H. Bogart. 2,491,358, Dec. 13.
- Machine tool. J. H. Brodhun. 2,480,319, Aug. 30.
- Machine tool. A. J. Conn and R. B. Stanley. 2,473,093, June 14.
- Machine tool. N. P. Darash. 2,461,631, Feb. 15.
- Machine tool. N. P. Darash. 2,473,138, June 14.
- Machine tool. W. C. De Graff. 2,480,715, Aug. 30.
- Machine tool. G. F. Esson. 2,472,744, June 7.
- Machine tool. F. J. Henkel. 2,469,920, May 10.
- Machine tool. N. B. Herman. 2,466,768, Apr. 12.
- Machine tool. O. Horvath. 2,487,243, Nov. 8.
- Machine tool. M. E. Lange. 2,491,381, Dec. 13.
- Machine tool. E. R. Lochman. 2,478,929, Aug. 16.
- Machine tool. C. R. Peters. 2,486,977, Nov. 1.
- Machine tool. R. A. Schafer. 2,483,712, Oct. 4.
- Machine tool. R. A. Schafer and R. B. Rodal. 2,464,996, Mar. 22.
- Machine tool. L. I. Yeomans and R. P. Frye. 2,487,289, Nov. 18.
- Machine tool and more particularly to marking machine with a center. M. Philippe. 2,464,415, Mar. 15.
- Machine tool and the like. J. Brunel. 2,486,108, Oct. 25.
- Machine tool slide bearing. J. M. Walter. 2,479,653, Aug. 23.
- Machine tool support. H. Rosenbloom. 2,469,079, May 3.
- Machine tool working head. F. G. Hansen. 2,461,732, Feb. 15.
- Machine tools with revolving tool holder disks. C. W. Berthiez. 2,476,255, July 12.
- Machine transmission and control, Milling. E. D. Vancil and F. A. Hassman. 2,459,976, Jan. 25.
- Machine unit for drafting fibers, Textile. F. H. Carman. Re. 23,117, May 31.
- Machine useful for forming end loops on Venetian blind ladder tapes. H. Nelson. 2,478,003, Aug. 2.
- Machine vise having guide and holddown means for sliding jaws. A. L. Mettler. 2,480,415, Aug. 30.
- Machine voltage, Regulating a. U. H. Krabbe. Re. 23,148, Sept. 20.
- Machine with automatic tube clamping means, Tube end deforming. A. L. Parker. 2,480,762, Aug. 30.
- Machine with integral connector boxes, Dynamoelectric. R. Happe. 2,458,904, Jan. 11.
- Machine with squeeze extractor, Washing. H. J. Rand. 2,472,682, June 7.
- Machines used for the assembly of large sized metal panels. S. Golbert. 2,476,038, July 12.
- Machinist's clamp. S. La Placa. 2,487,022, Nov. 1.
- Machinist's gauge. J. E. Hastings. 2,471,684, May 31.
- m-Acylacetamidobenzaldehyde acetals of alkanols of 1 to 4 carbon atoms and 1,2 and 1,3-alkanediols of 2 to 4 carbon atoms. D. M. McQueen. 2,464,597, Mar. 15.
- Magazine, Blade. J. Muros. 2,473,812, June 21.
- Magazine box for cinematographic films. A. V. L. C. Debrie. 2,464,673, Mar. 15.
- Magazine downdraft furnace. E. M. Franklin. 2,469,639, May 10.
- Magazine for cameras, Developing. M. T. Gannon. 2,483,391, Oct. 4.
- Magazine for fastener applying implements. C. M. Lindstrom. 2,461,165, Feb. 8.
- Magazine for firearms, Cartridge feeding. A. M. Olson. 2,479,770, Aug. 23.
- Magazine for machine guns. N. E. Mariner. 2,489,428, Nov. 29.
- Magazine for magnetic recording and reproducing devices. M. Camras. 2,484,552, Oct. 11.
- Magazine for razor blades. Z. Auerbach. 2,468,612, Apr. 26.
- Magazine for use with ordnance, Ammunition. D. W. Molins and F. F. Ruau. 2,477,936, Aug. 2.
- Magazine for wire hook belt lacers. H. Koester. 2,481,123, Sept. 6.
- Magazine heater for burning solid fuel, Cross-draft. R. A. Sherman and B. A. Landry. 2,481,164, Sept. 6.
- Magazine lipstick case. F. Rosenthal. 2,485,320, Oct. 18.
- Magazine pistol safety and cocking mechanism. F. D. Rosvall. 2,460,598, Feb. 1.
- Magazine phonograph. E. Wennerbo and H. Norén. 2,486,898, Nov. 1.
- Magazine receiver and barrel for toy guns, Combined. W. F. Buhl. 2,483,752, Oct. 4.
- Magazine shutter operating means for cameras. J. Briskin and J. J. Golick. 2,477,958, Aug. 2.
- Magazine, Slingshot. D. T. Davis. 2,483,039, Sept. 27.
- Magazine unit for typesetting machines, Movable multiple. C. J. Romyns. 2,458,204, Jan. 4.
- Machines with record punching and printing means, Key controlled. R. E. Page and S. J. Culveyhouse. 2,490,373, Dec. 6.
- Magic trick. K. S. Franke. 2,458,488, Jan. 4.
- Magic trick apparatus. M., Jr., and R. F. Davis. 2,479,216, Aug. 16.
- Magnesia, Production of. R. D. Pike. 2,465,264, Mar. 22.
- Magnesia, Production of dead-burned. R. D. Pike. 2,478,593, Aug. 9.
- Magnesia, Purifying. A. W. Vettel. 2,487,497, Nov. 8.
- Magnesia refractory. R. A. Schoenlaub. 2,458,533, Jan. 11.
- Magnesium and magnesium alloy articles to increase their resistance to corrosion, Treatment of. R. D. Glide. 2,465,443, Mar. 29.
- Magnesium base alloys, Producing. A. J. Murphy, P. Wood, and R. J. M. Payne. 2,461,229, Feb. 8.
- Magnesium base alloys, Protective surface treatment of. G. E. Coates. 2,480,448, Aug. 30.
- Magnesium-base alloys, Treatment of. J. S. Peake and F. E. Robbins. 2,472,025, May 31.
- Magnesium chloride, Production of. W. E. Burke, W. A. Smith, and P. D. V. Manning. 2,479,001, Aug. 16.
- Magnesium dust, Pelletting. E. W. Adams. 2,485,128, Oct. 18.
- Magnesium from its ores, Preparation of. L. C. Sturbelle. 2,461,009, Feb. 8.
- Magnesium hydroxide from brines, Production of. L. W. Scoles. 2,479,138, Aug. 16.
- Magnesium nitride, Preparation of. J. L. Porter. 2,487,474, Nov. 8.
- Magnesium nitride, Production of. L. W. Davis. 2,488,054, Nov. 15.
- Magnesium oxide and hydroxide, Preparing. A. C. Byrns and J. L. Porter. 2,491,033, Dec. 13.
- Magnesium oxide, Manufacture of. R. E. Clarke and N. R. Collins. 2,480,904, Sept. 6.
- Magnesium oxide, Preparing an activated. J. J. Naugle. 2,462,277, Feb. 22.
- Magnesium oxide, Production of. R. R. Lloyd. 2,473,534, June 21.
- Magnesium products, Manufacture of. G. H. Gloss. 2,458,847, Jan. 11.
- Magnesium pyrophosphate phosphor. H. C. Froelich. 2,488,719, Nov. 22.
- Magnesium silicate adsorbents, Regenerating. R. J. Hawes. 2,470,486, May 17.
- Magnesium titanate phosphor. H. C. Froelich. 2,479,158, Aug. 16.
- Magnesium titanate, Preparing luminescent. F. A. Kröger and J. Broos. 2,491,865, Dec. 20.
- Magnet, Adjustable strength permanent. R. G. Jewell. 2,479,363, Aug. 16.
- Magnet device, Rotatable. L. L. Horrell. 2,463,538, Mar. 8.
- Magnet field for dynamoelectric machines, Toroidal. M. P. and A. Winther. 2,470,596, May 17.
- Magnet for electric bulbs. H. L. White. 2,473,626, June 21.
- Magnet, Lifting. J. D. Leitch. 2,476,049, July 12.
- Magnet, Lifting. A. E. Lillquist. 2,491,743, Dec. 20.
- Magnet, Magneto. H. Goldberg. 2,469,196, May 3.
- Magnet structure, Accelerator. W. F. Westendorp. 2,491,345, Dec. 13.
- Magnet unit for flywheel magnetos, Field. A. L. Brownlee. 2,458,336, Jan. 4.
- Magnetic alarm switch. G. L. Veenstra. 2,489,113, Nov. 22.
- Magnetic assembly for permanent magnet type loud speakers. F. H. Goldsmith. 2,486,837, Nov. 1.
- Magnetic brake. A. E. Miller. 2,482,428, Sept. 20.
- Magnetic closure fastener. C. M. Relton. 2,489,154, Nov. 22.
- Magnetic clutch. R. F. Garbarini and R. S. Edwards. 2,490,044, Dec. 6.
- Magnetic clutch. J. G. Oetzel. 2,488,552, Nov. 22.
- Magnetic compass mounting. R. Musal. 2,482,688, Sept. 20.
- Magnetic control device. B. L. Binford. 2,488,758, Nov. 22.
- Magnetic core. G. G. Somerville. 2,483,159, Sept. 27.
- Magnetic cores, Electropolishing laminated. R. J. Bondley. 2,479,302, Aug. 16.
- Magnetic cores, Making. G. Camilli. 2,488,961, Nov. 22.
- Magnetic cores, Making. J. G. Ford and F. J. Nagel. 2,484,214, Oct. 11.
- Magnetic coupling. N. Pensabene. 2,488,827, Nov. 22.
- Magnetic equalization of sensitivity in ribbon microphone assemblies. L. J. Anderson. 2,476,396, July 19.
- Magnetic fastener. R. P. Ellis. 2,475,226, July 5.
- Magnetic field strength indicator. E. P. Felch, Jr., and T. Slonczewski. 2,468,968, May 3.
- Magnetic field strength indicator. T. Slonczewski. 2,485,931, Oct. 25.
- Magnetic friction clutch. A. P. Warner. 2,492,205, Dec. 27.
- Magnetic from nonmagnetic materials, Method and apparatus for separating. A. B. Drescher. 2,470,889, May 24.
- Magnetic hand pickup tool. C. H. Miller and W. S. Wilks. 2,471,764, May 31.

- Magnetic impulse motor. E. K. Crosby. 2,459,265, Jan. 18.
- Magnetic impulse record members, Making. M. Camras and H. E. Flanders. 2,489,520, Nov. 29.
- Magnetic induction device. C. G. Smith. 2,473,477, June 14.
- Magnetic inspection, Method and apparatus for. M. L. Mages and H. T. Nordstrom. 2,478,772, Aug. 9.
- Magnetic limit switch. C. F. Coake. 2,475,819, July 12.
- Magnetic mixer. H. H. Neal. 2,466,468, Apr. 5.
- Magnetic mold. F. A. Ryder. 2,465,276, Mar. 22.
- Magnetic nail holder. R. P. Ingraham. 2,491,860, Dec. 20.
- Magnetic pump. S. L. Madorsky. 2,481,320, Sept. 6.
- Magnetic recorder, Magazine type. H. Nygaard. 2,487,170, Nov. 8.
- Magnetic recording and reproducing apparatus using an endless spirally wound magnetic tape. S. J. Begun. 2,490,771, Dec. 13.
- Magnetic recording and reproducing device with means to prevent accidental erase of record medium. H. A. Vagtberg. 2,466,514, Apr. 5.
- Magnetic separator. R. H. Stearns. 2,461,008, Feb. 8.
- Magnetic separator. R. H. Stearns. 2,471,911, May 31.
- Magnetic shielding. E. W. Kellogg. 2,463,778, Mar. 8.
- Magnetic sine bar. S. Sobilo. 2,491,339, Dec. 13.
- Magnetic switch. C. Belsky. 2,491,075, Dec. 13.
- Magnetic switch. C. E. Hastings. 2,487,052, Nov. 8.
- Magnetic transducer, Combined erasing and recording. M. Camras. 2,475,421, July 5.
- Magnetic transducing apparatus utilizing a helical sound trace. W. E. Bradley. 2,461,368, Feb. 8.
- Magnetic welder's ground clamp. K. A. Blind. 2,489,475, Nov. 29.
- Magnetic wire footage meter. C. J. Falk, R. K. Fairley, and T. T. Short. 2,488,277, Nov. 15.
- Magnetic work holder. S. I. Hitchcock. 2,471,067, May 24.
- Magnetic work holder. W. J. Norlander. 2,475,456, July 5.
- Magnetically operated switch. H. Jackson. 2,479,621, Aug. 23.
- Magnetically operated switch. P. W. Zacek. 2,483,717, Oct. 4.
- Magnetically operated tool. A. J. Francis, Jr. 2,467,376, Apr. 19.
- Magneto. J. R. Frei. 2,483,632, Oct. 4.
- Magneto. C. E. Grant. 2,492,858, Dec. 27.
- Magneto. I. B. Johnson. 2,460,130, Jan. 25.
- Magneto. R. M. Purdy. 2,483,667, Oct. 4.
- Magneto. E. Vollenweider. 2,476,468, July 19.
- Magneto electric generator. G. Girard. 2,482,476, Sept. 20.
- Magneto electric machine. L. H. Scott. 2,469,133, May 3.
- Magneto electric machines. W. Brown. 2,489,517, Nov. 29.
- Magneto, Flywheel. R. E. Phelon. 2,472,313, June 7.
- Magneto for animal prods, Manually operated. M. Fischer. 2,466,308, Apr. 5.
- Magneto generator. M. C. Sawyer. 2,482,875, Sept. 27.
- Magneto, Model engine. E. Vollenweider. 2,483,305, Sept. 27.
- Magneto, Telephonic call. C. Laurent. 2,488,821, Nov. 22.
- Magnetometer. J. H. Rubenstein. 2,480,265, Aug. 30.
- Magnetostriiction hydrophone. J. R. Kauke. 2,484,036, Oct. 11.
- Magnetostriiction condition-responsive apparatus. J. L. Russell. 2,469,005, May 3.
- Magnetostriiction device. R. Smoluchowski. 2,476,778, July 19.
- Magnetostriiction pressure indicator. A. M. Feller. 2,461,635, Feb. 15.
- Magnetron. J. P. Blewett and R. V. Langmuir. 2,460,119, Jan. 25.
- Magnetron. A. H. Laidig. 2,482,495, Sept. 20.
- Magnetron. E. D. McArthur. 2,485,401, Oct. 18.
- Magnetron. E. C. Okress. 2,492,313, Dec. 27.
- Magnetron assembly and method. P. L. Spencer. 2,458,802, Jan. 11.
- Magnetron, Laminated. P. L. Spencer. 2,466,059, Apr. 5.
- Magnetron, Single cavity multisegment. C. I. Shulman. 2,490,008, Nov. 29.
- Magnetron system, Frequency controllable. P. H. Peters, Jr. 2,490,007, Nov. 29.
- Magnetron, Tunable. H. W. Garbe. 2,480,462, Aug. 30.
- Magnetron, Tunable. H. C. Jonas, J. P. Laico, and V. L. Ronci. 2,459,030, Jan. 11.
- Mailable display holder. A. Mathewson. 2,464,879, Mar. 22.
- Mailable display holder. A. Mathewson. 2,472,166, June 7.
- Mailbag. W. F. Rothe. 2,468,897, May 3.
- Mailbox, Automatic signal. R. Carter. 2,472,192, June 7.
- Mailbox, Electric signaling. O. A. and N. M. Faulkenbury. 2,463,957, Mar. 8.
- Mailbox, Rural. D. F. McCullar. 2,484,718, Oct. 11.
- Mailbox, Signal. M. Donadio. 2,480,288, Aug. 30.
- Mailbox, Signaling. G. Alfisi. 2,471,919, May 31.
- Mailbox, Slidably and pivotally mounted. H. K. Walton. 2,477,276, July 26.
- Mailbox, Tamperproof. C. B. Browning. 2,470,138, May 17.
- Mailbox with door-actuated signal. W. J. Korth. 2,477,379, July 26.
- Mailbox with signal. L. G. Hallamore. 2,467,475, Apr. 19.
- Main landing gear. W. M. Hawkins, Jr. 2,487,548, Nov. 8.
- Maintaining device, Garment shape. G. L. Anderson. 2,479,993, Aug. 23.
- Maintaining motors in predetermined angular relation. W. M. Jeffers. 2,476,873, July 19.
- Maintaining multiple records. J. H. Tathwell. 2,470,586, May 17.
- Maintenance of catalyst activity in hydrocarbon conversion processes. J. C. Munday and E. W. S. Nicholson. 2,472,844, June 14.
- Making a dry cell battery unit of flat cells. A. F. Rock. 2,475,153, July 5.
- Making a tea extract. D. K. Tressler. 2,476,072, July 12.
- Making prosthesis. A. A. Nelson. 2,473,723, June 21.
- Malaxator. V. Dachkevitch. 2,482,324, Sept. 20.
- Maleamic acid, Manufacture of. R. S. Robinson and E. L. Humburger. 2,459,964, Jan. 25.
- Maleic acid by oxidation of cyclohexane, Producing. A. J. Shmidl. 2,474,334, June 28.
- Maleic acid liquor purification and isomerization to fumaric acid. G. E. N. de Végvár. 2,483,576, Oct. 4.
- Maleic anhydride from maleic acid, Production of. J. M. Weiss. 2,462,444, Feb. 22.
- Maleic anhydride resinous copolymer. F. Strain. 2,479,522, Aug. 16.
- Mallet, Instrument. B. W. Dane. 2,473,865, June 21.
- Malonic ester, Manufacture of. C. F. Christie. 2,459,144, Jan. 18.
- Mandolin pick. H. Galetzky. 2,459,274, Jan. 18.
- Mandrel. E. G. Hill. 2,474,672, June 28.
- Mandrel, Expandable. M. L. Whitson and H. H. Harcum. 2,460,325, Feb. 1.
- Mandrel for band saws, Work-supporting adjustable. S. J. A. Christie. 2,472,570, June 7.
- Mandrel for expanding internally-finned tubes. A. W. Hallberg. 2,467,668, Apr. 19.
- Mandrel, Hydraulically operated expanding. E. A. Arp. 2,478,447, Aug. 9.
- Mandrel support. E. G. Hill. 2,489,134, Nov. 22.
- Mandrel with means for clamping and spreading tubes. F. A. Gruetjen. 2,471,485, May 31.
- Maneuvering automatic control. C. M. Young. 2,464,629, Mar. 15.
- Manganate type contact mass and production thereof. L. G. Jenness. 2,486,530, Nov. 1.
- Manganese dioxide, Preparation of. M. Beja and R. A. Loisy. 2,473,563, June 21.
- Manganese, Stripping electrodeposited. J. H. Jacobs. 2,458,908, Jan. 11.
- Manganese values from manganese ores, Recovering. R. D. Hoak. 2,462,499, Feb. 22.
- Manganese with magnesium, Alloying. C. H. Mahoney and G. L. Lee. 2,474,538, June 28.
- Manganic sulfate paste in organic oxidations, Recovery and recycling of. B. G. Zimmerman. 2,462,050, Feb. 15.
- Manicure case. C. G. Prestien. 2,461,177, Feb. 8.
- Manicure set. A. J. Miller. 2,460,522, Feb. 1.
- Manicuring accessory. W. J. McMahon. 2,461,695, Feb. 15.
- Manicuring device. M. J. Lessard. 2,472,667, June 7.
- Manifest sheets, Distribution of. C. Bursett. 2,470,758, May 24.
- Manifold and hose stand, Portable. C. Shaffer, P. E. G. Hansen, and L. J. Schimmoller. 2,490,839, Dec. 13.
- Manifold, Controlled temperature. A. K. Luhrs. 2,475,552, July 5.
- Manifold for free-piston units. W. A. Ledwith. 2,479,045, Aug. 16.
- Manifold for sanding mechanism. V. L. Frantz. 2,491,806, Dec. 20.
- Manifold for two-cycle crankcase compression engines. J. W. Smith. 2,459,594, Jan. 18.
- Manifolds, Forming. C. E. Manning. 2,458,183, Jan. 4.
- Manipulation apparatus, Body. F. A. Black. 2,475,003, July 5.
- Manipulator, Remote-control. J. H. Payne, Jr. 2,476,249, July 12.
- Manometer. A. C. Forst. 2,475,602, July 12.
- Manometer, Constant reference point. J. W. Jensen. 2,458,783, Jan. 11.
- Manostat, Industrial. R. Gilmont. 2,482,167, Sept. 20.
- Mantle for gyratory crushers, Reversible. J. E. Kennedy. 2,467,938, Apr. 19.
- Manual switch. G. W. Pearce. 2,464,184, Mar. 8.
- Manual take-off for portable flaw detector cars. C. W. and R. W. McKee. 2,487,572, Nov. 8.
- Manually manipulable ball game board. J. Caesar. 2,492,462, Dec. 27.
- Manually operated hydraulic press. W. E. Renick. 2,473,694, June 21.
- Manufacture of carbon black. W. Loving. 2,462,026, Feb. 15.
- Map and key holder. N. D. Stanley, Sr. 2,471,127, May 24.
- Map with area position indicator. J. O. Elliott. 2,487,318, Nov. 8.
- Margarine and butter compositions. H. W. Vahlteich, R. H. Neal, and C. M. Gooding. 2,485,634, Oct. 25.
- Margarine and preparing same. C. M. Gooding, H. W. Vahlteich, and R. H. Neal. 2,485,638, Oct. 25.

- Margin stop-setting mechanism for typewriters. C. W. Brumhill. 2,467,882, Apr. 19.
- Marine cathode. A. P. Colaiaco and S. M. Cork. 2,465,200, Mar. 22.
- Marine construction. G. Munro. 2,482,927, Sept. 27.
- Marine electrocleaning and electropickling apparatus. G. C. Cox. 2,476,286, July 19.
- Marine mine. J. L. Thompson and D. E. Marlowe. 2,472,866, June 14.
- Marine propulsion. R. Nowak. 2,483,663, Oct. 4.
- Marine reduction reverse gear. L. W. Hollingsworth. 2,488,540, Nov. 22.
- Marine structure. J. E. Byrne and W. S. Housel. 2,481,821, Sept. 13.
- Marionettes, Manufacture of. M. M. Osgood. 2,468,997, May 3.
- Marker. A. J. Francis, Jr. 2,467,083, Apr. 12.
- Marker, Electro. W. G. Schinske. 2,491,910, Dec. 20.
- Marker for athletic fields. W. A. Kuoksa. 2,468,211, Apr. 26.
- Marker for bowling alleys, Pin spot. W. White. 2,469,219, May 3.
- Marker for cylindrical articles. R. A. Pannier. 2,492,709, Dec. 27.
- Marker for fabrics, Dart. A. Alcamo. 2,466,293, Apr. 5.
- Marker, Skirt. H. A. Reich. 2,484,002, Oct. 4.
- Marker to record movement and means to provide relative values, Automatically controlled. A. W. Walker. 2,470,121, May 17.
- Marker with means to limit the swinging movement of the marker plate, Cattle. W. F. Schacht. 2,461,777, Feb. 15.
- Marker with resilient walls, Pyramidal highway. H. E. Neal. 2,483,734, Oct. 4.
- Marking and cutting machine, Cloth. V. Sciancalepore. 2,473,451, June 14.
- Marking device. R. E. J. Nordquist. 2,491,514, Dec. 20.
- Marking device. H. E. Oles. 2,458,871, Jan. 11.
- Marking device. J. Stevens. 2,482,034, Sept. 13.
- Marking device, Animal. J. L. Jourgensen. 2,487,557, Nov. 8.
- Marking device for tractors, Row. M. R. Hudson. 2,483,011, Sept. 27.
- Marking device, Highway safety. S. H. Pellar. 2,489,499, Nov. 29.
- Marking device, Pipe. L. D. Sturm. 2,464,901, Mar. 22.
- Marking device, Purchase sheet. P. H. Burn. 2,457,864, Jan. 4.
- Marking glass. N. J. Kreidl and L. P. Ohliger. 2,486,566, Nov. 1.
- Marking layers of material. I. E. Heller. 2,489,640, Nov. 29.
- Marking machine, Laundry. W. J. Keuper. 2,470,622, May 17.
- Marking machine, Welding rod. T. I. Leston and W. B. Kriewall. 2,470,707, May 17.
- Marking means for containers, Rotary. L. E. Davies. 2,471,098, May 24.
- Marking solution, Blueprint. J. R. Fisher, Jr. 2,466,799, Apr. 12.
- Marquise or canopy for buildings. A. J. Auble. 2,474,713, June 28.
- Mask. H. D. Fisketti and J. G. Lenta. 2,458,580, Jan. 11.
- Mask attachment, Welding. C. M. Parker. 2,469,273, May 3.
- Mask, Facial. R. B. Lefohn. 2,477,883, Aug. 2.
- Mask for atmospheric and autonomous breathing, Submarine. N. Bedini. 2,488,261, Nov. 15.
- Mask for aviation, Pressure breathing. H. F. Garrard and E. V. Rupp. 2,473,518, June 21.
- Mask for photographic lamps. R. J. Brandt. 2,489,172, Nov. 22.
- Mask, High elevation. A. H. Bulbulian. 2,465,973, Mar. 29.
- Mask, Painter's. F. E. Settle. 2,485,117, Oct. 18.
- Mask, Underwater breathing. M. W. Taylor. 2,477,706, Aug. 2.
- Mask with pressure equalizing ear cups, Diving. W. R. Pfeiffer. 2,488,235, Nov. 15.
- Masonry and concrete structures, Resurfacing. B. R. Wood. 2,488,251, Nov. 15.
- Mass spectrometer tube ion source assembly. A. O. C. Nier. 2,490,278, Dec. 6.
- Mass spectrometry. R. V. Langmuir. 2,463,544-5, Mar. 8.
- Mass spectrometry. H. W. Washburn. 2,472,870, June 14.
- Mass spectrometry. H. W. Washburn. 2,489,344, Nov. 29.
- Massage device. M. A. Rollman. 2,472,385, June 7.
- Massage device. H. D. Wheeler. 2,478,648, Aug. 9.
- Massaging apparatus or the like. D. V. Summerville. 2,460,245, Jan. 25.
- Massaging device. E. R. Carlson. 2,482,838, Sept. 27.
- Massaging device. P. Jozsy. 2,480,029, Aug. 23.
- Massaging device. R. A. McMullen. 2,462,985, Mar. 1.
- Massaging roller. L. J. Dirand. 2,461,413, Feb. 8.
- Mast construction for lift trucks. E. W. Weaver. 2,480,066, Aug. 23.
- Mast, Portable. R. H. McPherson. 2,470,998, May 24.
- Master clock. M. L. Hamlin. 2,482,061, Sept. 13.
- Master pin for endless track mechanism. R. Roman. 2,481,784, Sept. 13.
- Master safety switch. F. F. Crooke. 2,458,930, Jan. 11.
- Master-slave system. N. V. Fedotoff. 2,474,576, June 28.
- Master starter cable. F. Herbert. 2,479,834, Aug. 23.
- Mat and manufacture, Mineral fiber. R. M. Roberts and T. H. Metzler. 2,477,555, July 26.
- Mat, Bath. G. E. Pretty. 2,471,008, May 24.
- Mat, Dual loop resilient. W. J. Lutey. 2,475,906, July 12.
- Mat, Floor. F. N. Merralls. 2,487,027, Nov. 1.
- Mat, Floor and car. J. R. Caldwell. 2,477,960, Aug. 2.
- Mat for vehicles, Collision. A. E. Labser. 2,477,933, Aug. 2.
- Mat formation. P. Modigliani and H. E. Holcomb. 2,460,899, Feb. 8.
- Mat, Play. G. J. Brown. 2,479,203, Aug. 16.
- Mat, Stove. B. Gershon. 2,474,102, June 21.
- Mat, Sun. C. E. Poyer. 2,480,196, Aug. 30.
- Match book, vest pocket size. C. Hansen. 2,461,380, Feb. 8.
- Matching and controlling power for high-frequency heating of reactive loads, Continuously. E. Mittelmann. 2,470,443, May 17.
- Matching apparatus, Electrical impedance. B. M. Harrison. 2,463,533, Mar. 8.
- Material and dry lubricating coating composition therefor, Precoated. R. A. Whitbeck. 2,470,062, May 10.
- Material for handbags, Decorative. G. G. Rona. 2,483,236, Sept. 27.
- Material handling and loading apparatus. R. J. Nadherny. 2,486,317, Oct. 25.
- Material handling apparatus. G. B. Palmer. 2,458,915, Jan. 11.
- Material handling apparatus. K. F. Potter. 2,465,604, Mar. 29.
- Material handling apparatus. W. Ruddock. 2,479,411, Aug. 16.
- Material handling apparatus. H. A. and G. H. Wagner. 2,459,978, Jan. 25.
- Material handling device. R. K. Muise. 2,472,843, June 14.
- Material handling mechanism. W. W. Worthington. 2,459,207, Jan. 18.
- Material loading and unloading apparatus. L. J. Pittlick. 2,464,098, Mar. 8.
- Material loss-preventing device for bucket conveyers. H. W. Hapman. 2,476,039, July 12.
- Material of silicon base, Translating. J. H. Scaff and H. C. Theuerer. 2,485,069, Oct. 18.
- Material packaging. N. H. Petersen. 2,476,623, July 19.
- Material serving apparatus. Y. A. Bouget. 2,462,303, Feb. 22.
- Material serving head. G. C. Spillman. 2,463,211, Mar. 1.
- Material unloader. R. E. Exum. 2,481,917, Sept. 13.
- Material with rubber solution coating, Wrinkle flexible. N. T. Beynon. 2,468,724, May 3.
- Material working apparatus. L. J. Bulliet. 2,492,092, Dec. 20.
- Material working apparatus. W. T. Eppler and W. J. Keller. 2,468,294, Apr. 26.
- Material working apparatus. D. V. Waters. 2,464,107, Mar. 8.
- Materials composed partly or wholly of wool or similar fibers, Treatment of. P. Alexander. 2,470,453, May 17.
- Matrix band former and cutter. B. F. Tofflemire. 2,466,830, Apr. 12.
- Matrix, Crystal. N. Rochester. 2,476,066, July 12.
- Mattress. L. Paransky. 2,469,175, May 3.
- Mattress. L. W. Warner. 2,462,579, Feb. 22.
- Mattress, Air-conditioning. H. P. Maddison. 2,462,984, Mar. 1.
- Mattress, Bed. C. R. and A. G. Sohn. 2,471,125, May 24.
- Mattress, Multiple air cell. G. L. Goolsbee. 2,491,557, Dec. 20.
- Mattress, Sanitary. C. B. Kane. 2,461,062, Feb. 8.
- Mattress, Spring-filled. R. O. Garrigus. 2,466,096, Apr. 5.
- Mattress, Therapeutic. F. Hayes. 2,470,398, May 17.
- Maulstick, Artist's. N. P. Leounes. 2,492,385, Dec. 27.
- Maximum demand meter. A. J. Allen. 2,484,396, Oct. 11.
- Maximum power demand indicator. R. Pudelko. 2,478,637, Aug. 9.
- Means for aligning type pallets. W. G. Celva. 2,481,081, Sept. 6.
- Means for controlling and equalizing tube temperatures. C. C. Watson. 2,458,756, Jan. 11.
- Means for crush forming grinding wheels. C. W. Kirin. 2,458,605, Jan. 11.
- Means operated by a starter generator for cooling a gas engine. F. M. Jones. 2,475,843, July 12.
- Means to eliminate drippage of condensation in open-view frozen food cases. J. A. Brinkoeter. 2,473,781, June 21.
- Means to indicate the presence of vapor in fluid conduit systems. E. A. Mallick. 2,468,768, May 3.
- Means to open generator field circuit and to dissipate stored magnetic field energy. E. G. Ratz. 2,484,247, Oct. 11.
- Means to straighten shoe soles. H. E. Longren. 2,473,490, June 14.
- Measurement of high-frequency voltage, Electrostatic. A. L. M. A. Rouy. 2,482,801, Sept. 27.
- Measurement of light values using automatic gain control in photomultiplier tubes, Photometric. G. L. Dimmick. 2,474,098, June 21.
- Measurement of penetrative radiation. G. Herzog. 2,486,946, Nov. 1.
- Measurement of thickness. A. Wolf. 2,486,902, Nov. 1.

- Measurement of wall thickness. G. Herzog. 2,486,845, Nov. 1.
- Measurement or variation of physical states of materials. M. K. Taylor and A. D. Knowles. 2,460,199, Jan. 25.
- Measuring and control apparatus. R. W. Gilbert. 2,486,641, Nov. 1.
- Measuring and control apparatus. G. A. F. Machlet. Re. 23,160, Oct. 25.
- Measuring and control apparatus, Antihunting electrical. T. R. Harrison and W. P. Wills. Re. 23,121, June 14.
- Measuring and control apparatus, Electronic. G. A. F. Machlet. Re. 23,159, Oct. 25.
- Measuring and controlling apparatus. R. F. Wild. 2,490,010, Nov. 29.
- Measuring and controlling, Method and apparatus for. L. Stanton. 2,481,485, Sept. 13.
- Measuring and controlling system, Antihunt electrical. A. J. Hornfeck. 2,482,064, Sept. 13.
- Measuring and dispensing can. D. H. Burbidge and E. R. Gibbs. 2,488,959, Nov. 22.
- Measuring and distributing device for fluids, particularly lubricants. D. Fioretti. 2,478,260, Aug. 9.
- Measuring and filling machine, Combined. C. G. Meyers and B. S. Harrington. 2,491,826, Dec. 20.
- Measuring and recording device, Direct current. D. H. Nelson. 2,476,318, July 19.
- Measuring and reeling device, Line. M. Weesner. 2,460,723, Feb. 1.
- Measuring apparatus. F. R. Boosey. 2,478,363, Aug. 9.
- Measuring apparatus. J. Razek. 2,484,737, Oct. 11.
- Measuring apparatus. R. F. Wild. 2,476,267, July 12.
- Measuring apparatus and method, Dielectric. G. R. Leef. 2,474,260, June 28.
- Measuring apparatus, Density. A. J. Rosenberger. 2,459,542, Jan. 18.
- Measuring apparatus, Distance. E. L. Ginzton. 2,485,584, Oct. 25.
- Measuring apparatus, Electrical. O. G. Landsverk and E. O. Wollan. 2,465,886, Mar. 29.
- Measuring apparatus, Electronic. R. W. Gilbert. 2,459,104, Jan. 11.
- Measuring apparatus, Fluid rate of flow. P. S. Dickey and J. F. Shannon. 2,459,689, Jan. 18.
- Measuring apparatus having a photocell on a permanent magnet, Photoelectric. A. H. Lamb. 2,465,970, Mar. 29.
- Measuring apparatus, Liquid flow. V. G. Platts. 2,473,765, June 21.
- Measuring apparatus, Liquid level. M. K. Richards. 2,486,207, Oct. 25.
- Measuring apparatus, Pressure. J. T. Callahan, Jr., D. O. Kocmich, and P. F. Adair. 2,486,587, Nov. 1.
- Measuring apparatus, Pressure. D. D. Jones. 2,457,902, Jan. 4.
- Measuring apparatus, Resistance. R. B. Marve. 2,482,196, Sept. 20.
- Measuring bridge, Null. R. A. Hampshire. 2,474,245, June 28.
- Measuring characteristic impedances of fittings for coaxial connectors. C. Stewart, Jr. 2,459,197, Jan. 18.
- Measuring device. J. C. Stevens. 2,468,692, Apr. 26.
- Measuring device. O. L. Swanson. 2,489,597, Nov. 29.
- Measuring device. M. Yunger. 2,465,773, Mar. 29.
- Measuring device and method, Area. M. Blau and J. R. Carlin. 2,462,351, Feb. 22.
- Measuring device and method, Magnetic. R. D. O. McDill. 2,478,773, Aug. 9.
- Measuring device comprising a variable potentiometer. M. Leeuwijn and M. L. Cardozo. 2,476,831, July 19.
- Measuring device, Distance. A. E. Anderson. 2,465,990, Apr. 5.
- Measuring device, Distance. R. F. Brownell. 2,484,151, Oct. 11.
- Measuring device, Distance. W. D. Hershberger. 2,461,213, Feb. 8.
- Measuring device, Electric. S. B. Osterlund and C. Geiser. 2,486,972, Nov. 1.
- Measuring device, Electric strain. A. Allen. 2,486,625, Nov. 1.
- Measuring device, Electrical compression. A. L. Thurston. 2,488,347, Nov. 15.
- Measuring device extension. K. W. Mozur. 2,467,847, Apr. 19.
- Measuring device, Fluid flow. R. H. Pratt and J. Q. Underwood, Jr. 2,458,637, Jan. 11.
- Measuring device, Fluid pressure. C. H. Gibbons. 2,472,045, May 31.
- Measuring device, Foot. J. Mirti. 2,477,817, Aug. 2.
- Measuring device, Foot. A. L. Scholl. 2,480,776, Aug. 30.
- Measuring device for bulk material, Automatic. P. F. Overmyer. 2,471,494, May 31.
- Measuring device for shafts, Torque. B. F. Langer and F. W. Godsey, Jr. 2,459,171, Jan. 18.
- Measuring device for shafts, Torque and power. F. W. Godsey, Jr. 2,461,685, Feb. 15.
- Measuring device, Handwheel load. A. J. Galko. 2,469,381, May 10.
- Measuring device, Jump. D. D. Baliff. 2,469,145, May 3.
- Measuring device, Liquid. A. L. Coderre. 2,474,805-6, July 5.
- Measuring device, Lubricant. J. T. Leonard. 2,468,675, Apr. 26.
- Measuring device, Maximum demand electrical. B. H. Smith. 2,492,011, Dec. 20.
- Measuring device, Pressure. J. V. Giesler. 2,466,846, Apr. 12.
- Measuring device, Pressure. W. R. Perret. 2,486,976, Nov. 1.
- Measuring device, Reactance. R. L. Ringer, Jr. 2,481,617, Sept. 13.
- Measuring device, Roll surface temperature. M. Bradner and A. Allen. 2,480,703, Aug. 30.
- Measuring device, Sight alignment. G. A. Swartz. 2,484,195, Oct. 11.
- Measuring device, Speed. W. C. Grabau. 2,480,646, Aug. 30.
- Measuring device, Stress. R. M. Mains. 2,485,977, Oct. 25.
- Measuring device, Surface roughness. J. P. Arndt, Jr. 2,460,726, Feb. 1.
- Measuring device, Tension. H. A. Mathews. 2,466,034, Apr. 5.
- Measuring device, Ultra high frequency. W. E. Bradley. 2,483,802, Oct. 4.
- Measuring device using a rotating trap chamber having a varying peripheral speed. H. O. Irmscher. 2,490,056, Dec. 6.
- Measuring device with oscillator, Liquid level. C. A. de Giers and A. Edelman. 2,472,249, June 7.
- Measuring difference in frequency of alternating currents. B. B. Jacobsen. 2,474,253, June 28.
- Measuring frequency, Method and system for. J. P. Kinzer. 2,469,829, May 10.
- Measuring impedance. F. A. Muller. 2,490,827, Dec. 13.
- Measuring instrument. W. H. Carling. 2,474,466, June 28.
- Measuring instrument and circuits therefore, Electrical. W. E. Crowl. 2,481,500, Sept. 13.
- Measuring machine having lens and reflector means, Length. F. Turrettini. 2,474,602, June 28.
- Measuring mechanism, Angle. F. E. Harris, A. S. Hegeman, Jr., D. H. Mitchell, and H. N. Snook. 2,473,682, June 21.
- Measuring microwave power. W. D. Hershberger. 2,471,744, May 31.
- Measuring or comparing device. P. G. Skinner. 2,472,348, June 7.
- Measuring persistence screen characteristics, Method and apparatus for. O. H. Schade. 2,460,471, Feb. 1.
- Measuring potential gradients in space. F. W. Dunmore. 2,463,527, Mar. 8.
- Measuring pressure, Method of and apparatus for. J. B. Johnson. 2,458,601, Jan. 11.
- Measuring pressure, Method of and apparatus for. G. W. Willard. 2,458,665, Jan. 11.
- Measuring resistance at high voltage. S. L. Shive. 2,466,746, Apr. 12.
- Measuring system and saturable reactor for use therein. C. W. Miller and N. B. Nichols. 2,472,980, June 14.
- Measuring system, Direct-current. D. H. Clewell. 2,490,579, Dec. 6.
- Measuring system, Elastic fluid-flow. D. W. Moore, Jr. 2,472,609, June 7.
- Measuring system, Electrical. H. M. Evjen. 2,475,827, July 12.
- Measuring system, Electrical. F. G. Kelly. 2,461,425, Feb. 8.
- Measuring system, Electrical bridge. A. W. Storm. 2,490,167, Dec. 6.
- Measuring system for borehole radio-activity. S. Krasnow and L. E. Curtiss. 2,487,058, Nov. 8.
- Measuring system for geophysical prospecting, Intensity, intensity ratio and phase difference. B. S. Bjarnason. 2,481,492, Sept. 13.
- Measuring system, Frequency. A. Frum. 2,480,128, Aug. 30.
- Measuring system having residual potential compensation, Electronic. M. R. Ludwig. 2,488,420, Nov. 15.
- Measuring system, Interval. E. J. Isbister. 2,484,034, Oct. 11.
- Measuring system, Radio distance. E. L. Ginzton. 2,485,583, Oct. 25.
- Measuring system, Ultra high frequency power. R. W. George. 2,457,997, Jan. 4.
- Measuring system, Wave. M. I. Rothman and G. Shapiro. 2,478,208, Aug. 9.
- Measuring system with capacitor having characteristics of an infinite capacity. A. J. Williams, Jr. 2,459,730, Jan. 18.
- Measuring tape. A. W. Keuffel and G. L. Henzel, assignors to Keuffel & Esser Company. Re. 23,133, July 12.
- Measuring the difference in magnitude of alternately occurring pulses. P. C. Michel. 2,467,844, Apr. 19.
- Measuring the dimensions of objects by the radiation differential between the object to be measured and a comparison object, Method and apparatus for. F. Offner. 2,488,430, Nov. 15.
- Measuring the length of magnetic material, Method of and apparatus for. P. W. Martin. 2,466,251, Apr. 5.
- Measuring the microphonic action of multielectrode tubes. G. J. L. Guyot and P. Gillet. 2,482,849, Sept. 27.
- Measuring thickness of curved sections and apparatus therefore. H. Friedman. 2,462,038, Feb. 22.
- Meat carving rack. W. W. Cook. 2,467,611, Apr. 19.
- Meat-curing machine, Injection. L. J. Kenyon. 2,466,772, Apr. 12.

- Meat from shell fragments of cracked nuts, Process and apparatus for separating. F. A. Teague. 2,464,005, Mar. 8.
- Meathook. W. H. Keleher. 2,480,479, Aug. 30.
- Meat, Manufacture of dried. H. H. McKee. 2,461,291, Feb. 8.
- Meat product and making same. C. T. Smelzer. 2,475,408, July 5.
- Meat products, Processing. J. Bowman. 2,488,164, Nov. 15.
- Meat products, Processing. J. Bowman and B. W. Beadle. 2,488,165, Nov. 15.
- Meat storage increaser, Removable. B. F. Kaboskey and O. R. Quade. 2,482,915, Sept. 27.
- Meat trimming gauge. H. E. Beaver. 2,486,629, Nov. 1.
- Mechanical candle feeder. D. F. McClory. 2,480,333, Aug. 30.
- Mechanical device. E. K. Clark. 2,484,206, Oct. 11.
- Mechanical device. H. E. Overacker. 2,478,307, Aug. 9.
- Mechanical element which is to be subjected to high temperatures. H. Scott and R. B. Gordon. 2,475,642, July 12.
- Mechanical horse. E. V. Monson. 2,471,233, May 24.
- Mechanical inner tube. L. Lepage and J. A. De Champlain. 2,488,632, Nov. 22.
- Mechanical instrument holder. E. E. Harper. 2,459,701, Jan. 18.
- Mechanical members to shafts or the like, Securing. E. W. Krause. 2,460,091, Jan. 25.
- Mechanical merchant. W. H. Knott and H. M. Read. 2,476,877, July 19.
- Mechanical method for grain refining magnesium alloys. J. S. Peake. 2,472,757, June 7.
- Mechanical mixer. G. A. Auer. 2,468,389, Apr. 26.
- Mechanical mounting. F. C. Doughman. 2,460,682, Feb. 1.
- Mechanical movement. J. D. Dry. 2,469,500, May 10.
- Mechanical movement. R. Helsman. 2,470,246, May 17.
- Mechanical movement. L. A. Hummel. 2,467,936, Apr. 19.
- Mechanical movement. F. A. Lane. 2,475,033, July 5.
- Mechanical movement. F. A. Lane. 2,488,206, Nov. 15.
- Mechanical movement. R. E. Paris. 2,472,919, June 14.
- Mechanical movement. R. C. Schmidt. 2,477,903, Aug. 2.
- Mechanical movement. J. R. Weaver. 2,475,117, July 5.
- Mechanical pencil with friction brake, Screw feed. H. R. Jochim. 2,482,852, Sept. 27.
- Mechanical pool table. F. Radinsky. 2,477,939, Aug. 2.
- Mechanical skeleton. J. H. Giesen. 2,472,819, June 14.
- Mechanically cleanable filter. A. J. Edwards. 2,465,579, Mar. 29.
- Mechanically controlled adjustable clothes hanger. R. M. Johnson. 2,487,445, Nov. 8.
- Mechanically interlocked pulsing dial selector switch. E. L. Powell and A. E. Showalter. 2,465,397, Mar. 29.
- Mechanism applicable to rotary pumps, motors, etc. R. F. Moulton. 2,461,073, Feb. 8.
- Mechanism between two power sources, Interchange. A. T. Reynolds. 2,471,122, May 24.
- Mechanism for adjusting shaft end play. L. W. Wightman. 2,471,180, May 24.
- Mechanism for automatic firearms, Breech. G. Webb and W. L. Swartz. 2,487,621, Nov. 5.
- Mechanism for automatic guns having transversely movable breech blocks, Firing. D. W. Molins. 2,471,232, May 24.
- Mechanism for automatic stopping and reversal of electromechanically operated doors. C. Opalek. 2,476,111, July 12.
- Mechanism for axminster tube frame systems, Driving. W. H. Wakefield. 2,469,756, May 10.
- Mechanism for bolt action rifles, Cocking. J. H. Barnett. 2,474,456, June 28.
- Mechanism for bone conduction receivers, etc., Electromagnetic. S. F. Lybarger. 2,463,786, Mar. 8.
- Mechanism for bowling alleys, Pin discharging. J. F. Murphy. 2,469,886, May 10.
- Mechanism for bowling pin setting machines, Ball return. R. E. Rundell and G. E. Hagquist. 2,470,052, May 10.
- Mechanism for calculating machines, Tens carry. H. Gang. 2,473,422, June 14.
- Mechanism for cam actuated valve, Steam locomotive power adjusting. R. P. Delano, Jr. 2,466,391, Apr. 5.
- Mechanism for cameras, Film winding. J. A. Henne. 2,481,665, Sept. 13.
- Mechanism for carbines, Automatic. R. Rudd. 2,462,130, Feb. 22.
- Mechanism for centrifugal casting. G. A. Rubissow. 2,465,819, Mar. 29.
- Mechanism for checking concurrently operating accumulating and printing devices. O. B. Shafer. 2,475,340, July 5.
- Mechanism for clinching covers onto cans. R. E. Renard. 2,458,529, Jan. 11.
- Mechanism for combines, Crop feed. A. Korsmo and M. Ronning. 2,470,704, May 17.
- Mechanism for compacting tire carcasses on tire building machines. R. I. Kuffer. 2,490,445, Dec. 6.
- Mechanism for converting bolt action rifles to pump actuated rifles. J. A. Minasola. 2,479,393, Aug. 18.
- Mechanism for crush dressing grinding wheels. M. H. Arms and W. J. Augustenovich. 2,487,406, Nov. 8.
- Mechanism for cutting, folding, and sealing the bottoms of bags. H. A. Mead. 2,476,057, July 12.
- Mechanism for draft riggings, Shock absorbing. G. E. Dath. 2,469,549, May 10.
- Mechanism for driving oscillatory members. A. Thomas. 2,476,466, July 19.
- Mechanism for effecting automatic repetition of predetermined numbers of events. K. H. Andren. 2,489,474, Nov. 29.
- Mechanism for elevators, Safety. E. A. Sahlin. 2,490,653, Dec. 6.
- Mechanism for explosively actuated tools, Safety. R. Temple. 2,479,431, Aug. 16.
- Mechanism for extrusion apparatus, Plow. E. E. Redington. 2,488,830, Nov. 22.
- Mechanism for fastening-inserting machines, Fastening-transferring. J. T. Lancaster. 2,468,213, Apr. 26.
- Mechanism for firearms, Safety. W. C. Roemer. 2,490,474, Dec. 6.
- Mechanism for forcing sliding doors open and closed. S. B. Haseltine. 2,481,590, Sept. 13.
- Mechanism for forming vented can end seams. W. F. Kinney. 2,460,296, Feb. 1.
- Mechanism for free-piston compressors, Constant stroke. D. E. Meitzler. 2,461,225, Feb. 8.
- Mechanism for gear boxes, Preselecting. E. Bugatti. 2,485,034, Oct. 18.
- Mechanism for gun carriages, Wheel raising and lowering. R. W. Allen. 2,476,825, July 19.
- Mechanism for guns, Direction-controlling. C. K. Woodman. 2,467,514, Apr. 19.
- Mechanism for indicating the operations of machines. M. D. Markley and J. M. Markley, Jr. 2,487,819, Nov. 15.
- Mechanism for injection molding machines, Multiple nozzle. E. W. Halbach. 2,471,683, May 31.
- Mechanism for inlaying sheet material. P. F. Skoog. 2,488,835, Nov. 22.
- Mechanism for internal-combustion engines, Hand starting. A. C. Howard. 2,479,114, Aug. 16.
- Mechanism for inverting double-faced phonograph records. G. Matarazzo. 2,492,874, Dec. 27.
- Mechanism for jacketed projectile assembling machines, Slug feeding and inspection. H. A. Shellem and G. T. Campbell. 2,464,830, Mar. 22.
- Mechanism for key-responsive calculating machines, Division. J. M. Laiho. 2,492,703, Dec. 27.
- Mechanism for knitting machines, Fashioning. E. W. Kaul and H. E. Haehnel. 2,489,141, Nov. 22.
- Mechanism for magnetic recorders, Level-wind. G. O. Harm. 2,490,053, Dec. 6.
- Mechanism for metal drilling and like machines, Chip breaking. C. B. Clark. 2,458,929, Jan. 11.
- Mechanism for microscopes, Coarse and fine adjustment. A. A. Gradisar and O. W. Richards. 2,489,487, Nov. 29.
- Mechanism for milking machines, Automatic shutoff. M. K. Eades. 2,466,841, Apr. 12.
- Mechanism for mixers, Door operating. F. H. Heine. 2,470,100, May 17.
- Mechanism for molding machines, Injector. C. Jobst. 2,461,282, Feb. 8.
- Mechanism for molding rubber and like articles. E. M. Winegar. 2,475,267, July 5.
- Mechanism for motion-picture projectors, Intermittent pulldown. D. Canady. 2,467,253, Apr. 12.
- Mechanism for motion-picture projectors, Pulldown. M. R. Hutchison, Jr. 2,461,159, Feb. 8.
- Mechanism for moving picture projectors, Change-over. C. J. Goodman and A. L. West. 2,490,123, Dec. 6.
- Mechanism for multifolding printed webs. A. M. Zuckerman. 2,487,404, Nov. 8.
- Mechanism for musical instruments, Automatic player. P. T. Calamari and P. F. Murdock. 2,488,170, Nov. 15.
- Mechanism for parachute cargo harness, Quick release. F. J. Sullivan. 2,490,558, Dec. 6.
- Mechanism for parachute harnesses, Quick release. F. J. Sullivan. 2,461,785, Feb. 15.
- Mechanism for performing darning operations, Sewing-machine. B. A. Schmitt. 2,491,622, Dec. 20.
- Mechanism for pistols, Double-action. G. A. Wilson. 2,464,427, Mar. 15.
- Mechanism for Pilot tubes, Automatic shutter. K. Easterday. 2,488,810, Nov. 22.
- Mechanism for power-operated vacuum pumps, Reversing valve. E. S. Mariotte. 2,478,116, Aug. 2.
- Mechanism for power take-offs, Releasing. K. Couse. 2,488,765, Nov. 22.
- Mechanism for pressing and ironing machines, Pressure applying. E. E. Foster. 2,476,363, July 19.
- Mechanism for pressure measuring apparatus, Pressure responsive. P. S. Dickey. 2,489,123, Nov. 22.
- Mechanism for printing machines, Inking. A. Stobb, and A. J. Albrecht. 2,469,796, May 10.
- Mechanism for printing presses, Inking. C. F. Root. 2,489,588-9, Nov. 29.
- Mechanism for producing intermittent rotary motion. G. S. Tarry. 2,482,722, Sept. 20.
- Mechanism for projecting and retracting aircraft lift rotors. G. G. Downing. 2,481,502, Sept. 13.
- Mechanism for pulling the hairs from pelts. M. Cassé. 2,478,238, Aug. 9.
- Mechanism for punch presses and the like, Safety trip. W. Helm, Jr. 2,492,284, Dec. 27.
- Mechanism for railway draft riggings, Friction shock absorbing. G. E. Dath. 2,492,525, Dec. 27.

- Mechanism for raising and lowering frames of boat trailers. A. J. Getz. 2,487,701, Nov. 8.
- Mechanism for raising and lowering trailer bodies relative to the wheels. C. Davis. 2,480,909, Sept. 6.
- Mechanism for reciprocating brush carriages of selector switches or the like. G. Deakin. 2,490,035, Dec. 6.
- Mechanism for road graders. A. L. Lado. 2,488,016, Nov. 15.
- Mechanism for roving and spinning frames, Double condenser high draft. J. V. Weinberger. 2,472,929, June 14.
- Mechanism for sequential contact switches. E. A. Miller. 2,469,976, May 10.
- Mechanism for sewer cleaner snakes, Feeding and reciprocating. W. A. Buchmiller. 2,488,490, Nov. 15.
- Mechanism for sewing machines, Feeding. A. B. Clayton. 2,470,759, May 24.
- Mechanism for sewing machines, Feeding. D. A. Graesser. 2,488,084, Nov. 15.
- Mechanism for signal lights and the like, Switch. L. Rostoker. 2,461,236, Feb. 8.
- Mechanism for sorting machines, Adjustable throat. G. V. A. Malmros and E. A. Barber, Jr. 2,470,442, May 17.
- Mechanism for swinging crane booms. L. Rockstrom and A. Briglia. 2,489,326, Nov. 29.
- Mechanism for symmetrical opening camera shutters, Operating. F. P. Willcox. 2,492,723, Dec. 27.
- Mechanism for tractor drawn devices, Connecting and operating. A. P. McKay. 2,469,605, May 10.
- Mechanism for transferring a body from a trailer chassis to a truck chassis and vice versa. H. C. Harbers. 2,478,658, Aug. 9.
- Mechanism for traversing artillery pieces. N. S. Glassman. 2,459,159, Jan. 18.
- Mechanism for tube mill rolls, Adjustable. N. D. Abbey. 2,467,071, Apr. 12.
- Mechanism for turning on a porch light when a doorbell is rung. J. E. McNeil. 2,481,137, Sept. 6.
- Mechanism for typewriters, Silent key. P. F. Gattuso. 2,459,932, Jan. 25.
- Mechanism for typewriting machines, Power. J. F. Smathers. 2,489,826, Nov. 29.
- Mechanism for typing machines, Ribbon feeding and inking. G. E. Pelton. 2,471,238, May 24.
- Mechanism for utilizing the manifold suction of internal-combustion engines. M. Mallory. 2,471,111, May 24.
- Mechanism for vehicles, Four-wheel steering. A. C. Stover. 2,479,427, Aug. 16.
- Mechanism for vehicles, Power-operated tail gate. L. S. Wood. 2,469,321, May 3.
- Mechanism for vibrating diaphragms of pulp screens. M. F. Hayes. 2,481,999, Sept. 13.
- Mechanism for wagon bodies, Unloading. C. E. Benson. 2,478,228, Aug. 9.
- Mechanism for weaving seersucker cloth. O. Bourque. 2,489,231, Nov. 22.
- Mechanism for welding, Platen control. H. W. Stieglitz. 2,492,200, Dec. 27.
- Mechanism for writing machines, Ribbon reversing. J. M. Stolz. 2,487,834, Nov. 15.
- Mechanism providing a ram jet engine with a pilot flame and with a drive for its auxiliary equipment. E. F. Pierce. 2,482,505, Sept. 20.
- Media, Microbiological. L. H. Silvernail and P. A. Wolf. 2,486,216, Oct. 25.
- Medicator, Tubular. W. R. Coperly. 2,479,002, Aug. 16.
- Medicinal preparation containing available calcium and phosphorus. S. L. Ruskin. 2,478,984, Aug. 16.
- Medicinal solutions. R. Schläpfer. 2,458,430, Jan. 4.
- Melamine-formaldehyde casting resin. H. W. Mohrman. 2,470,363, May 17.
- Melaminyl-phenyl-stibonic acid compound, Preparation of. A. E. A. H. Friedheim. 2,463,861, Mar. 8.
- Melting and drawing furnace. W. R. Schlehr. 2,465,283, Mar. 22.
- Melting apparatus for bituminous materials. P. Wollner. 2,465,953, Mar. 29.
- Melting ice. P. Kestenbaum and M. Aussenberg. 2,466,773, Apr. 12.
- Melting iron in electric furnaces. S. D. Williams. 2,470,010, May 10.
- Melting machine, Snow and ice. A. Fiduccia. 2,471,733, May 31.
- Member for blast furnaces and the like, Fluid cooled. R. T. Comer, Jr. 2,492,269, Dec. 27.
- Member for endless tracks, Center guide tread. G. M. Waller. 2,458,755, Jan. 11.
- Member for socket wrenches, Manipulating. E. L. Deck. 2,462,729, Feb. 22.
- Memo attachment for table telephones. E. Lohr. 2,479,752, Aug. 23.
- Memo roll. R. Y. Boeve. 2,483,522, Oct. 4.
- Memorandum pad. T. Croker. 2,475,698, July 12.
- Memorandum paper holder. E. L. Wayne. 2,471,504, May 31.
- Mender, Hosiery. C. E. Smith. 2,465,403, Mar. 29.
- Mending device. D. C. Hungerford. 2,472,016, May 31.
- Mending machine, Stocking. M. Sagnier. 2,459,587, Jan. 18.
- Mending of stockings in sewing machines. F. Gegauf. 2,471,370, May 24.
- Mercaptans, Preparation of. L. T. Eby. 2,472,470, June 7.
- Mercaptans, Preparation of. J. C. Patrick. 2,479,542, Aug. 16.
- Mercaptans, Preparing. L. A. Mikeska. 2,464,049, Mar. 8.
- Mercapto-aliphatic ethers as modifiers for butadiene emulsion polymerization, Aromatic. G. L. Browning, Jr. 2,460,567, Feb. 1.
- Merchandise display. E. Messerschmidt. 2,477,761, Aug. 2.
- Mercurial column controlled inductance. H. I. Ewen. 2,491,486, Dec. 20.
- Mercury acetylde-silver nitrate complex and making same. J. A. Shaw and E. Fisher. 2,474,869, July 5.
- Mercury compounds and making same. M. Hartmann and W. Bosshard. 2,471,621, May 31.
- Mercury compounds and preparing same. M. Hartmann and W. Bosshard. 2,471,622, May 31.
- Mercury flasher, Revolving. H. E. Corliss. 2,465,066, Mar. 22.
- Mercury stuffing-box bearing unit. G. H. Robison. 2,462,901, Mar. 1.
- Mercury switch. W. M. Hutcheon. 2,486,785, Nov. 1.
- Mercury vapor switch. W. G. Taylor. 2,492,669, Dec. 27.
- Merocyanines and their preparation. A. W. Anish. 2,482,532, Sept. 20.
- Meso alkyl mercapto substituted carbocyanines and preparing same. L. A. Van de Straete. 2,484,536, Oct. 11.
- Message information storage device. L. M. Potts. 2,467,566, Apr. 19.
- Metaethylphenol from paraethylphenol, Separation of. F. E. Cislak and M. M. Otto. 2,490,671, Dec. 6.
- Metal alloy. V. T. Malcolm. 2,480,151, Aug. 30.
- Metal, Aluminum-containing copper-base bearing. H. P. Croft and E. J. Dunn. 2,492,786, Dec. 27.
- Metal article, Protected. F. G. Singleton and P. W. Jenkins. 2,472,963, June 14.
- Metal articles, Making. W. L. Garberding. 2,460,281, Feb. 1.
- Metal articles, Making composite. H. G. Webster. 2,458,660, Jan. 11.
- Metal, Atomized. G. J. Le Brasse and H. E. Francis. 2,460,991, Feb. 8.
- Metal, Atomizing. G. J. Le Brasse and H. E. Francis. 2,460,992, Feb. 8.
- Metal band, Imbedded. S. Rosenberg and S. Padwe. 2,458,645, Jan. 11.
- Metal bar straightening machine. F. J. Katz. 2,487,972, Nov. 15.
- Metal bar straightening machine. F. J. Kent. 2,487,973, Nov. 15.
- Metal bending and stretching apparatus. J. S. Nielsen. 2,459,132, Jan. 11.
- Metal bonded by means of chlorinated rubber adhesives containing a polyalkylene polyamine. H. P. Bradley and J. L. Dum. 2,459,742, Jan. 18.
- Metal casting apparatus. R. G. Hardy. 2,476,296, July 19.
- Metal-casting mold. C. H. Welch. 2,461,099, Feb. 8.
- Metal chair. E. C. Booth. 2,458,890, Jan. 11.
- Metal chair. J. J. Nash. 2,460,027, Jan. 25.
- Metal chelate stabilized organic silicon compositions and products thereof. J. Swiss. 2,465,296, Mar. 22.
- Metal coating. A. W. Harris and A. H. Ward. 2,459,161, Jan. 18.
- Metal compounds from oil feed to fluid catalyst cracking, Removal of. N. P. Peet. 2,472,723, June 7.
- Metal contact rectifiers, Manufacture of. E. P. Sauerborn. 2,462,906, Mar. 1.
- Metal contact surfaces, Pickling. E. R. Bowerman, Jr. 2,472,786, June 14.
- Metal container. J. Coyle. 2,484,271, Oct. 11.
- Metal, Corrosion-resisting thermostat. P. G. Chace. 2,461,518, Feb. 15.
- Metal derivatives of organic compounds containing a replaceable hydrogen, Preparation of. J. R. Morris and J. E. Fields. 2,480,823, Sept. 6.
- Metal derivatives of ortho-carbamyl-benzenethiol. N. Stelger and O. Keller. 2,480,342, Aug. 30.
- Metal disks and the like, Method of and apparatus for inspecting and assorting. F. H. Lucas and G. E. Rhodes. 2,471,489, May 31.
- Metal, Electrolytic cleaning of. H. G. Webster. 2,468,006, Apr. 19.
- Metal elements, Manufacture of zigzag. D. H. Green. 2,485,282, Oct. 18.
- Metal file cabinet. J. Coyle and W. F. Punte. 2,484,933, Oct. 18.
- Metal finish compositions, Hammered. A. R. Brown, R. T. Hucks, and C. W. Johnson. 2,468,920, May 3.
- Metal flashing. H. P. Orth. 2,469,840, May 10.
- Metal forming machine. R. Creighton. 2,491,717, Dec. 20.
- Metal-free phthalocyanine, Manufacture of. W. L. Rintelman. 2,485,167-8, Oct. 18.
- Metal-glass seals, Making. R. R. Machlett and G. W. Steen. 2,462,205, Feb. 22.
- Metal halide sludge, Treatment of. J. W. Latchum, Jr. 2,486,484, Nov. 1.
- Metal halides, Recovery of. H. J. Hepp and H. R. Sailors. 2,485,050, Oct. 18.
- Metal lubricant compositions. R. G. Larsen. 2,466,642, Apr. 5.
- Metal, machining. M. Berlner. Re. 23,092, Mar. 22.
- Metal melting. K. Marsh. 2,465,544, Mar. 29.

- Metal melting furnace. J. L. Stroman. 2,481,699, Sept. 13.
- Metal mercaptides of 2-amino-benzenethiol. N. Steiger. 2,490,717, Dec. 6.
- Metal molds, Making. H. L. Barber and G. L. Sellars. 2,479,598, Aug. 23.
- Metal nitrides, Production of. P. P. Alexander. 2,467,647, Apr. 19.
- Metal organo-phosphates. B. B. Farrington, J. O. Clayton, and J. T. Rutherford. 2,488,662, Nov. 22.
- Metal oxide, Producing thin film of. K. E. Langwill. 2,486,955, Nov. 1.
- Metal oxides, Reducing iron group. H. G. Vesterdal. 2,479,435, Aug. 16.
- Metal paneling. A. W. Clarke. 2,480,321, Aug. 30.
- Metal phthalocyanines and their derivatives, Producing. F. H. Moser. 2,469,663, May 10.
- Metal product, Sintered precious. A. B. Middleton. 2,476,208, July 12.
- Metal products and making same, Radioactive. C. W. Wallhausen and H. H. Dooley. 2,462,241, Feb. 22.
- Metal products and manufacturing, Radioactive. C. W. Wallhausen, H. H. Dooley, and C. C. Carroll. 2,479,882, Aug. 23.
- Metal products, Manufacturing. H. A. Brassert. 2,457,861, Jan. 4.
- Metal radiant for gas heaters. R. Shelton. 2,474,169, June 21.
- Metal reinforcement and forming same. F. M. Young. 2,464,541, Mar. 15.
- Metal salt compositions, Oil-soluble drier. A. Fischer. Re. 23,119, May 31.
- Metal salts of halogen substituted phenyl sulfides, Divalent. E. W. Cook and P. H. Moss. 2,459,063, Jan. 11.
- Metal salts of penicillin, Preparing. M. W. Goldberg and S. Teitel. 2,459,315, Jan. 18.
- Metal salts of substituted dithiocarbamic acids, Producing. J. F. Olin and T. E. Deger. 2,492,314, Dec. 27.
- Metal sanding block. R. R. Kent. 2,482,344, Sept. 20.
- Metal sheet, Bituminous mastic coated. W. F. Fair, Jr. 2,472,100, June 7.
- Metal sheets, Making apertured. D. C. Gresham. 2,469,689, May 10.
- Metal spraying plaster of Paris articles. V. J. Mincieli. 2,467,046, Apr. 12.
- Metal structure, Coated. F. S. Stewart and V. R. Hardy. 2,471,500, May 31.
- Metal structure, Specialized. T. L. Bonkowski and H. Solloway. 2,465,423, Mar. 29.
- Metal surfaces against hydrogen sulfide corrosion, Protecting. D. C. Bond and M. Savoy. 2,472,400, June 7.
- Metal surfaces and producing same, Protectively coated ferrous. V. C. J. Nightingall. 2,462,763, Feb. 22.
- Metal, Thermostatic laminated. C. F. Alban. 2,470,753, May 24.
- Metal, Treating polonium plated. T. A. O'Neil. 2,476,823, July 19.
- Metal umbrella, Ventilated. D. H. Simpson. 2,485,118, Oct. 18.
- Metalation of thiophene. J. W. Schick and H. D. Hartough. 2,492,658, Dec. 27.
- Metalation of malonic esters. V. H. Wallingford and A. H. Homeyer. 2,478,853, Aug. 9.
- Metallic aluminum solder, Making a. O. F. Reinhold. 2,467,780, Apr. 19.
- Metallic beryllium and alloys of beryllium, Producing. H. C. Kaweck. 2,486,475, Nov. 1.
- Metallic bodies, Making porous. J. Kurtz. 2,464,517, Mar. 15.
- Metallic churns and butter kneaders having no kneading rollers. F. J. J. Henard. 2,481,842, Sept. 13.
- Metallic naphthenates and soaps, Making. O. C. Brauner. 2,466,925, Apr. 12.
- Metallic objects by galvanic action, Protection of. J. Frasch. 2,463,483, Mar. 1.
- Metallic powders, Treating. J. L. Young. 2,489,116, Nov. 22.
- Metallic structure and making same, Porous. D. E. Dasher. 2,464,437, Mar. 15.
- Metallic sodium, Producing. W. J. Kroll. 2,465,730, Mar. 29.
- Metalizable tetrakisazo dye. W. Bossard. 2,459,913, Jan. 25.
- Metalization of electrically nonconductive fabrics, fibrous materials, and porous materials. C. T. Suchy. 2,474,502, June 28.
- Metalizing composition. C. J. Christensen, M. D. Rigerink, and A. W. Treptow. 2,461,878, Feb. 15.
- Metallurgical furnace. H. J. Ness and C. E. Thomas. 2,489,459, Nov. 29.
- Metallurgical heating furnace. D. Edge. 2,478,092, Aug. 2.
- Metallurgical slags, Utilizing. G. R. Fitterer. 2,471,562, May 31.
- Metals, Case-hardening. F. J. Sowa. 2,458,655, Jan. 11.
- Metals, Producing finely divided. M. Raney. 2,461,396, Feb. 8.
- Metals, Production and refining of. P. Gross. 2,470,306, May 17.
- Metalworking apparatus. S. W. Hayes. 2,481,421, Sept. 6.
- Metalworking machine. A. J. Barrie and R. J. Dwyer. 2,472,561, June 7.
- Meta-phenylene diamine, Manufacture of. J. Kamlet. 2,464,044, Mar. 8.
- Metatarsal and outer longitudinal arch support. E. F. Malouf. 2,468,887, May 3.
- Metatarsal pad. J. Wysowski. 2,475,417, July 5.
- Meter: See—
- Alternating current impedance meter. Opinion meter.
- Calibrating peak current meter. Phase angle meter.
- Cloud moisture meter. Phase-sensitive self-balancing frequency meter.
- Eccentric moving coil electrical meter. Precision frequency meter.
- Electric current meter. Radiation exposure meter.
- Fast neutron meter. Selective wave guide energy meter.
- Flow meter. Torque meter.
- Fluid meter. Two range exposure meter.
- Flux meter. Ultraviolet ray intensity meter.
- Gas density meter. Variable-rate electric meter.
- Integrating meter. Vest pocket exposure meter.
- Magnetic wire footage meter. Volumetric liquid meter.
- Maximum demand meter. Wave length meter.
- Multipurpose electrical testing meter.
- Meter and clock, Electric coin. F. J. and R. P. Landgraf. 2,491,817, Dec. 20.
- Meter and coin slot therefor, Parking. W. J. and W. F. Herschede, and W. N. Woodruff. 2,481,423, Sept. 6.
- Meter attachment for typewriters, Coin. R. A. Gay. 2,492,565, Dec. 27.
- Meter connection. L. W. Mueller. 2,492,494, Dec. 27.
- Meter controlled valve. W. N. Beck. 2,483,255, Sept. 27.
- Meter for measurement of ultraviolet radiation. A. H. Taylor. 2,485,418, Oct. 18.
- Meter hanger. J. J. Smith. 2,476,119-20, July 12.
- Meter having adjustable staggered scales, Photographic exposure. K. Rath. 2,464,527, Mar. 15.
- Meter having coordinated meter pointer and calculating disk, Exposure. R. Simpson. 2,461,930, Feb. 15.
- Meter having overlapping sensitivity ranges and calculator rings surrounding the meter scale, Vest pocket exposure. A. G. Stimson. 2,471,171, May 24.
- Meter having swinging reflector, Dual-purpose light. M. T. Gannon. 2,467,304, Apr. 12.
- Meter having transverse and oscillatory movement of the specimen, Graininess. M. H. Sweet. 2,469,935, May 10.
- Meter mounting. J. L. Ford. Re. 23,091, Mar. 15.
- Meter resetting mechanism, Parking. F. C. Burum. 2,462,610, Feb. 22.
- Meter setter. W. E. Ford. 2,461,888, Feb. 15.
- Meter stop. L. W. Mueller. 2,482,686, Sept. 20.
- Metering apparatus for drill pipe and the like, Length. J. F. Moore, Jr. 2,471,644, May 31.
- Metering assembly, Electrical. J. S. Liddle. 2,470,037, May 10.
- Metering circuit for X-ray machines. L. L. Weisglass. 2,482,604, Sept. 20.
- Metering control, Manifold-pressure type. S. J. Shames and W. J. Raleigh. 2,478,947, Aug. 16.
- Metering by discriminating selector repeaters, Toll. R. Taylor and G. T. Baker. 2,457,946, Jan. 4.
- Metering device. E. L. Fryer, Jr. 2,472,102, June 7.
- Metering device and method, Ultra high frequency. S. Yando. 2,472,038, May 31.
- Metering device, Fuel. P. W. Schipper. 2,487,774, Nov. 8.
- Metering means for a bottle having a lock to ensure the tipping of the bottle to dispense. R. Wortman. 2,473,462, June 14.
- Metering system, Fluid. T. A. Baker. 2,459,303, Jan. 18.
- Metering system, Self-calibrating. T. A. Rich. 2,464,612, Mar. 15.
- Meters having object and comparison gray scale means, Exposure. J. L. Foust. 2,491,654, Dec. 20.
- Methacrylate compositions containing colloidal silica. R. B. Seymour. 2,467,341, Apr. 12.
- Methacrylates in constant viscosity oils. E. G. Foehr. 2,489,281, Nov. 29.
- Methacrylonitrile and alpha-chloro isobutyronitrile, Production of. L. U. Spence and E. H. Sakal. 2,460,788, Feb. 1.
- Methacrylonitrile from α -aminoisobutyraldoximes, Preparation of. N. M. Bortnick and D. J. Butterbaugh. 2,471,927, May 31.
- Methacrylonitrile, Preparation of. N. M. Bortnick and G. W. Cannon. 2,471,928, May 31.
- Methanol oxidation catalysts. A. B. Stiles. 2,491,695, Dec. 20.
- Method and apparatus for assembling incandescent lamp mounts. M. L. Stone. 2,473,919, June 21.
- Method and apparatus for assembling parts. H. G. Kellogg. 2,473,590, June 21.
- Method and apparatus for attaching hose fittings by beading the fittings inwardly. J. F. P. Farrar and C. R. Ekholm. 2,486,830, Nov. 1.
- Method and apparatus for casting rotors. C. R. Mollenhauer. 2,486,798, Nov. 1.
- Method and apparatus for closing and sealing cartons. P. A. Graf. 2,485,235, Oct. 18.
- Method and apparatus for collecting yarns. I. S. Roberts. 2,485,776, Oct. 25.
- Method and apparatus for conducting gaseous reactions in the presence of solid particles. E. Utterback. 2,486,229, Oct. 25.

- Method and apparatus for contacting solids and gases. W. F. Rollman. 2,485,318, Oct. 18.
- Method and apparatus for control. C. E. Mason. 2,476,104, July 12.
- Method and apparatus for control of beam energy. C. P. Baker. 2,485,470, Oct. 18.
- Method and apparatus for control of humidity. T. H. Rhoads and C. A. Southwick, Jr. 2,484,527, Oct. 11.
- Method and apparatus for corrugating sheet metal by a reciprocating bender with a pivoted side shaper. M. N. Lebedeff. 2,473,533, June 21.
- Method and apparatus for detecting variations in the appearance of an object or sample. T. Stuland. 2,470,877, May 24.
- Method and apparatus for determining leaks. A. O. Nier. 2,486,199, Oct. 25.
- Method and apparatus for drawing sheet metal. J. B. Brennan. 2,485,354, Oct. 18.
- Method and apparatus for expansion of fibrous mats. R. E. Slack and L. M. Hedges. 2,486,217, Oct. 25.
- Method and apparatus for feeding sheets. R. T. Chatterton. 2,474,141, June 21.
- Method and apparatus for inserting contacts in glass tubes. G. N. Phelps. 2,485,769, Oct. 25.
- Method and apparatus for integrating information concerning production and other operating schedules. J. J. Steinberger. 2,484,058, Oct. 11.
- Method and apparatus for locating predetermined levels in bore holes. H.-G. Doll. 2,476,136, July 12.
- Method and apparatus for making bellows. D. W. Fentress. 2,481,096, Sept. 6.
- Method and apparatus for making containers. H. D. Crandon. 2,474,035, June 21.
- Method and apparatus for making rugs. R. R. Cone. 2,482,655, Sept. 20.
- Method and apparatus for manufacturing blocks from various materials. A. H. Duggan, R. P. Toots, and E. D. Dubois. 2,486,266, Oct. 25.
- Method and apparatus for measuring hardness and intensity of penetrating radiation. R. E. Fearon. 2,484,493, Oct. 11.
- Method and apparatus for producing hollow articles of rubbery materials. W. L. Jenkins. 2,482,418, Sept. 20.
- Method and apparatus for producing ornamental multi-colored designs. E. H. Schwartz. 2,485,323, Oct. 18.
- Method and apparatus for promoting the growth of vegetation. N. B. Armstrong. 2,486,512, Nov. 1.
- Method and apparatus for radio activity well logging. G. Herzog. 2,481,014, Sept. 6.
- Method and apparatus for simultaneously securing together and perforating paper webs. W. G. Borchers. 2,474,775, June 28.
- Method and apparatus for size reduction and fiberizing of crude fibrous materials. F. J. Koehne. 2,474,314, June 28.
- Method and apparatus for testing corrosion. J. M. Folz. 2,484,279, Oct. 11.
- Method and apparatus for testing oils. W. R. Turner, W. Schreiber, and C. H. van Hartesveldt. 2,486,080, Oct. 25.
- Method and apparatus for the automatic control of machinery. E. W. Leaver and G. R. Mounce. 2,475,245, July 5.
- Method and apparatus for welding structural cages. A. G. Butler. 2,473,858-9, June 21.
- Method and apparatus for working sheet material. F. B. Pfeiffer. 2,486,753, Nov. 1.
- Method and apparatus for working sheet material. F. B. Pfeiffer. 2,486,761, Nov. 1.
- Method and chuck for assembling mold walls. J. H. Richardson. 2,458,302, Jan. 4.
- Method and device for indicating spoilage. J. d'A. Clark. 2,485,566, Oct. 25.
- Method and device relating to absorption refrigerating apparatus. S. M. Bäckström. 2,484,669, Oct. 11.
- Method and machine for feeding ring contacts in base making. J. B. Whitmore and L. D. Morand. 2,486,085, Oct. 25.
- Method and machine for generating splines and the like. J. L. Williamson. 2,474,209, June 28.
- Method and machine for making corrugated structures. B. P. Kunz. 2,475,789, July 12.
- Method and machine for winding composite gaskets under uniform pressure. W. R. Price. 2,475,856, July 12.
- Method of and apparatus for compensating for residual magnetization in cathode-ray apparatus. F. T. Coughlin. 2,485,569, Oct. 25.
- Method of and apparatus for contacting fluids. R. L. Maycock. 2,474,007, June 21.
- Method of and apparatus for cutting metal. H. W. Jones and J. H. Bucknam. 2,482,188, Sept. 20.
- Method of and apparatus for deairing slips. J. A. Bower. 2,485,857, Oct. 25.
- Method of and apparatus for electrically welding studs to surfaces. J. M. Keir and E. A. Clapp. 2,474,531, June 28.
- Method of and apparatus for finishing garments. R. E. Sands. 2,473,823, June 21.
- Method of and apparatus for making electrical measurements. M. R. Chandler. 2,485,863, Oct. 25.
- Method of and apparatus for measuring the film strength of liquids. A. J. Stokes. 2,473,553, June 21.
- Method of and apparatus for partially dehydrating and cleansing oily wood preservatives. J. A. Vaughan and J. C. Vinson. 2,474,705, June 28.
- Method of and apparatus for receiving radio signals. R. T. Killman and F. W. Beesley. 2,482,549, Sept. 20.
- Method of and apparatus for rectifying distortion in metal bodies. L. L. Hercik. 2,486,844, Nov. 1.
- Method of and device for testing foundry sand. R. L. McIlvaine. 2,485,981, Oct. 25.
- Method of and material for protecting and conditioning metal surfaces. E. Snyder. 2,473,614, June 21.
- Methoxy acetic acid, Preparation of. L. Schmerling. 2,458,741, Jan. 11.
- Methyl carboxymethyl cellulose, Making. R. W. Swinehart, A. B. Savage, and W. D. Kuhlman. 2,476,331, July 19.
- Methylcyclopentene production. G. M. Good and H. H. Voge. 2,485,964, Oct. 25.
- Methylcyclopentene production. G. M. Good and H. H. Voge. 2,485,966, Oct. 25.
- Methyl ethyl ketone, Separation and purification of. N. C. Robertson. 2,477,087, July 26.
- Methylfuran, Producing. I. B. Johns and L. W. Burnette. 2,458,857, Jan. 11.
- Methyl methacrylate plastics, Cementing. E. Simon and M. F. George, Jr. 2,458,032, Jan. 4.
- Methyl oxyfolic acid. G. J. Martin and H. Urist. 2,484,634, Oct. 11.
- Methylpentadiene-aralkenyl copolymers. R. C. Morris, A. V. Snider, and E. T. Bishop. 2,471,234, May 24.
- Methylpolysiloxanes, Linear. W. I. Patnode. 2,469,890, May 10.
- Methylpolysiloxanes, Liquid linear. D. F. Wilcock. 2,491,843, Dec. 20.
- Methylpolysiloxanes, Preparation of solid elastic. M. M. Sprung. 2,492,129, Dec. 20.
- Methyl-substituted polysiloxanes, Preparing. R. L. Poskitt and G. S. Irby, Jr. 2,467,853, Apr. 19.
- Methyl silicone elastomers, Preparation of. J. Marsden and G. F. Roedel. 2,469,883, May 10.
- Methyl siloxanes, Making. J. F. Hyde. 2,462,640, Feb. 22.
- Methyl vinyl ketone, Production of. I. E. Levine and W. G. Toland, Jr. 2,464,244, Mar. 15.
- Methylene chloride in the oxidation of aldehydes to acid anhydrides. S. B. McFarlane. 2,491,572, Dec. 20.
- Methylenedioxypheyl derivatives and production thereof. H. Wachs. 2,485,681, Oct. 25.
- Methylene malononitrile and vinyl acetate copolymer. J. B. Dickey. 2,466,395, Apr. 5.
- Methylene sulfonate derivatives of alkyl compounds and aryl compounds. H. L. Friedman and L. D. Braitberg. 2,458,584, Jan. 11.
- Methylol alkanes, Making. J. A. Wyler. 2,468,718, Apr. 26.
- Methylol-behenamide and related compounds. J. Pikel. 2,477,346, July 26.
- Methylol derivatives of pyrrole, Producing. A. F. Chadwick. 2,492,414, Dec. 27.
- Methylol dithionaphthoates. A. F. Hardman. 2,469,824, May 10.
- Methylol melamine resins, Modified. S. H. Rider. 2,482,508, Sept. 20.
- Metronome. F. Torka. 2,475,114, July 5.
- Mica, Pasting. K. N. Mathes. 2,460,140, Jan. 25.
- Mica splitting machine. J. F. Boucek. 2,472,401, June 7.
- Microbiological production of riboflavin. A. Leviton. 2,477,812, Aug. 2.
- Microcrystalline residues and products resulting therefrom, Treatment of. J. J. Fish. 2,471,102, May 24.
- Microfilm reader, Projection. J. Halahan, F. A. Lyon, L. H. Mortimer, and T. F. Aronson. 2,486,157, Oct. 25.
- Microgauge system, Electric. C. F. Coake. 2,487,523, Nov. 8.
- Micrometer. R. H. Sachtleber. 2,467,499, Apr. 19.
- Micrometer bench gauge. J. F. Campbell. 2,463,151, Mar. 1.
- Micrometer, Combination. R. Layton. 2,469,926, May 10.
- Micrometer, Dial. E. J. Wells. 2,468,581, Apr. 26.
- Micrometer, Differential screw. E. E. Modes. 2,461,995, Feb. 15.
- Micrometer, Divider setting. F. E. Zehring. 2,462,589, Feb. 22.
- Micrometer, Frequency controlled. F. Rieber. 2,477,085, July 26.
- Micrometer head. C. F. Goodspeed. 2,463,261, Mar. 1.
- Micrometer height gauge. J. M. Zysk. 2,478,518, Aug. 9.
- Microphone holder. R. L. Huff. 2,467,383, Apr. 19.
- Micrometer lock. H. Kerslake. 2,484,170, Oct. 11.
- Micrometer surface gauge. W. S. van Brocklin, Jr. 2,478,677, Aug. 9.
- Micrometer surface gauge. C. R. White. 2,464,912, Mar. 22.
- Micrometer system, Electric. H. C. Schildmeier. 2,492,067, Dec. 20.
- Micrometer tool. C. J. Noel. 2,488,319, Nov. 15.
- Microorganisms, Destroying. H. C. Rentschler and R. Nagy. 2,482,507, Sept. 20.
- Micropermeameter for measuring the permeability of oil field cuttings. H. J. Welge. 2,462,014, Feb. 15.
- Microphone and switch, Hand. W. E. Gilman and R. C. Bierman. 2,485,278, Oct. 18.
- Microphone, Carbon type. C. Laurent. 2,483,317, Sept. 27.

- Microphone, Dipole. B. Olney, F. H. Slaymaker, and W. F. Meeker. 2,485,405, Oct. 18.
- Microphone, Piezoelectric sound pressure. F. Massa. 2,472,714, June 7.
- Microphone system, Dual. W. B. Bruene. 2,490,943, Dec. 13.
- Microphone, Violin. H. De Armond. 2,486,264, Oct. 25.
- Microphotographic apparatus. E. J. Cook. 2,484,448, Oct. 11.
- Microporous sheet material, Making. J. J. Raymond and W. H. Lehmborg. 2,474,201, June 21.
- Microtractor. W. M. Dethlefs and F. Minder. 2,471,089, May 24.
- Microscope and other electronic apparatus-employing electron lenses, Electron. G. Liebmann. 2,463,403, Apr. 26.
- Microscope and viewing device, Projecting. E. C. Weiskopf. 2,477,396, July 26.
- Microscope, Electron. J. B. Le Poole. 2,485,754, Oct. 25.
- Microscope fine adjustment mechanism. G. K. Czarnikow. 2,480,001, Aug. 23.
- Microscope having light conducting members providing grazing and diffuse illumination, Surface comparison. N. Lindgren and P. A. Roos. 2,470,176, May 17.
- Microscope, Reflecting. L. T. Johnson. 2,478,762, Aug. 9.
- Microtome and electrostatic dispersal apparatus therefor. H. R. Johnson. 2,473,753, June 21.
- Microtome blade holder. R. R. Allen. 2,461,621, Feb. 15.
- Microtome with rotating cutter and specimen feed mechanism supported therewith. W. A. Ladd. 2,482,853, Sept. 27.
- Microwave acoustic gas analysis method and system. W. D. Hershberger. 2,483,829, Oct. 4.
- Microwave device. R. A. Braden. 2,470,802, May 24.
- Microwave device, Temperature compensated. E. G. Linder. 2,475,035, July 5.
- Microwave device, Variable reactive. J. Evans. 2,483,818, Oct. 4.
- Microworker for lubricating greases. G. M. Hain. 2,477,598, Aug. 2.
- Mildew-proofing. E. W. Cook and P. H. Moss. 2,471,261, May 24.
- Mildewproofing composition containing copper naphthenate and bis-5-chloro-2-hydroxy-phenyl methane. R. E. Horsey. 2,468,068, Apr. 26.
- Milk bottle indicator. J. L. Churchill. 2,458,979, Jan. 11.
- Milk can cooler. R. D. Kemper. 2,479,011, Aug. 16.
- Milk container. J. P. Jones. 2,457,822, Jan. 4.
- Milk cooler. G. R. Duncan. 2,482,579, Sept. 20.
- Milk pail cover. A. C. Weiby. 2,460,049, Jan. 25.
- Milk product containing added anti-anemia factor and making same, Stable. G. E. Grindrod. 2,481,415, Sept. 6.
- Milk products and preparing same, Stable fortified. G. E. Grindrod. 2,481,414, Sept. 6.
- Milk, Quick frozen homogenized. F. L. Crowley. 2,470,020, May 10.
- Milk treatment with oxidation inhibiting gases. M. E. Dunkley. 2,463,363, Mar. 1.
- Milker control. E. Shurtis. 2,479,977, Aug. 23.
- Milker nipples, Making. C. A. Thomas. 2,463,920, Mar. 8.
- Milker, Portable. A. I. Terpening. 2,482,602, Sept. 20.
- Milker, Pressure releaser. F. G. Hodsdon. 2,458,779, Jan. 11.
- Milker tube holder. H. J. Easton. 2,477,366, July 26.
- Milking apparatus. A. C. Weiby. 2,467,512, Apr. 19.
- Milking apparatus, Mechanical. C. G. Howse. 2,470,169, May 17.
- Milking domestic farm animals and for temporarily storing milk and cooling it. G. R. Duncan. 2,470,979, May 24.
- Mill: See—
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| Attrition mill. | Pulverizing mill. |
| Bladed shear reducing mill. | Spice mill. |
| Centrifugal ball mill. | Triple stage rotary beater mill. |
| Edge runner mill. | Tube mill. |
| Multiple stage pulverizing and dehydrating tube mill. | Vertical rolling mill. |
| | Vibrator grinding mill. |
- Mill for cutting feathers. T. Slick. 2,471,356, May 24.
- Mill with feed means for baled material, Swing hammer type. P. Bonnafoux. 2,488,799, Nov. 22.
- Millable compositions. M. T. Harvey. 2,485,598, Oct. 25.
- Milling and conveying apparatus, Combined. J. A. Erickson. 2,475,382, July 5.
- Milling bolster. E. L. Maness and J. D. McDuffie. 2,463,705, Mar. 8.
- Milling cutter. E. Guetzkow. 2,492,797, Dec. 27.
- Milling head, Universal. C. Tree. 2,491,940, Dec. 20.
- Milling machine. C. W. Allen. 2,477,159, July 26.
- Milling machine. R. O. Boykin, Jr. 2,485,858, Oct. 25.
- Milling machine. W. Dzus. 2,482,729, Sept. 20.
- Milling machine. C. J. Evans. 2,475,227, July 5.
- Milling machine. W. Holer and R. N. Clifton. 2,458,597, Jan. 11.
- Milling machine. E. G. Roehm and H. Fritschl. 2,489,227, Nov. 22.
- Milling machine for formed cutters. E. Schindler. 2,472,346, June 7.
- Milling machine, Pattern. B. Levy. 2,489,533, Nov. 29.
- Milling machine, Pattern controlled. W. Wilder and H. Horlacher. 2,473,741, June 21.
- Milling machine, Portable key seat. L. J. Ertl. 2,464,297, Mar. 15.
- Milling machine, Vertical spindle. F. A. Hassman and C. Herfurth. 2,484,885, Oct. 18.
- Milling machine with pivoting and sliding head. C. Schaublin-Villeneuve. 2,472,345, June 7.
- Milling process for granular food crop products, including sifting impacting in breaking and finishing operations. B. J. S. Carter and H. McDonald. 2,464,212, Mar. 15.
- Milling tool. C. E. Succop. 2,477,153, July 26.
- Milling tool and pipe puller, Combined. J. R. Yancey. 2,481,637, Sept. 13.
- Mine, Antitank. C. H. MacFarland. 2,487,818, Nov. 15.
- Mine exploder. B. Walker. 2,460,322, Feb. 1.
- Mine trap door. L. H. Hawkes. 2,469,164, May 3.
- Mine ventilation. A. S. Richardson. 2,479,408, Aug. 16.
- Mineral oil composition. S. Caplan and P. L. Rosamilla. 2,476,696, July 19.
- Mineral oil composition. E. W. Fuller and E. M. Johnson. 2,476,972, July 26.
- Mineral oil composition. J. J. Giammaria. 2,464,497, Mar. 15.
- Mineral oil composition. E. A. Oberright. 2,458,526-7, Jan. 11.
- Mineral oil composition. E. A. Oberright. 2,459,112-16, Jan. 11.
- Mineral oil composition. R. B. Seymour and F. L. Matthews. 2,478,843, Aug. 9.
- Mineral oil composition containing oxidation inhibitor. R. Cocroft, E. W. Brennan, and A. Manteuffel. 2,480,449, Aug. 30.
- Mineral oil compositions. F. J. Glavis and H. T. Neher. 2,485,150, Oct. 18.
- Mineral oil compositions. S. P. Waugh. 2,470,537, May 17.
- Mineral oil compositions and the like. G. H. Denison, Jr., and P. C. Condit. 2,473,511, June 21.
- Mineral oil concentrate, Producing a. G. R. Gilbert. 2,465,221, Mar. 22.
- Mineral salt block. J. A. Dunn and F. G. Miller. 2,489,758, Nov. 29.
- Mineral supplements. H. V. Moss and L. E. Wells, Jr. 2,480,086, Aug. 23.
- Mineral wool. I. Harter, C. L. Norton, Jr., and L. D. Christie, Jr. 2,467,889, Apr. 19.
- Mineral wool making means. C. D. Richardson. 2,491,766, Dec. 20.
- Minerals for film concentration, Conditioning. J. Dasher and J. E. Norman. 2,471,414, May 31.
- Miniature golf game board. J. Cipyak. 2,473,277, June 14.
- Minimizing pain caused by drilling teeth, Method and apparatus for. V. H. Siebel. 2,466,054, Apr. 5.
- Minimizing the horizontally-traveling components of seismic waves, Method and apparatus for. C. G. Dahm. 2,473,469, June 14.
- Mining machine. L. E. Simmons. Re. 23,078, Jan. 11.
- Mining machine, Placer. J. W. White. 2,476,231, July 12.
- Minnow bucket. J. B. Lewis. 2,474,745, June 28.
- Minnow trap. E. H. V. Mohme. 2,465,812, Mar. 29.
- Mirror and door structure. T. M. Jones. 2,489,418, Nov. 29.
- Mirror attachment, Antiglare rearview. W. L. Hendricks. 2,471,524, May 31.
- Mirror device having oppositely pivoted end mirror, Multiple. M. Seutin. 2,489,506, Nov. 29.
- Mirror for automobiles, Rear-vision. A. S. Alexander. 2,460,406, Feb. 1.
- Mirror having frame with overlapping handle portions, Hand. H. W. Brown. 2,465,428, Mar. 29.
- Mirror having polarizing means, Rear-vision. J. W. Ulmer. 2,466,625, Apr. 5.
- Mirror, Illuminated. R. De Virgillis. 2,461,315, Feb. 8.
- Mirror, Illuminated automobile sun visor. G. H. Logan. 2,466,454, Apr. 5.
- Mirror, Laminated. C. A. McCusker. 2,468,568, Apr. 26.
- Mirror, Light polarizing. J. F. Dreyer. 2,484,818, Oct. 18.
- Mirror means for registering flat-bed color printing elements with their corresponding fixed registry elements, Rotatable. E. L. Harley. 2,492,798, Dec. 27.
- Mirror mount, Wheel. H. G. Holmes. 2,475,502, July 5.
- Mirror mounting. Q. G. Noblitt and E. Ludlow. 2,485,063, Oct. 18.
- Mirror observation unit for smoke indicators, Adjustable. R. H. Wager. 2,473,231, June 14.
- Mirror, Rearview. B. E. Bonar. 2,486,105, Oct. 25.
- Mirror, Spring mounted two-position prismoidal rear view. G. E. Roedding. 2,469,207, May 3.
- Mirror structure having a metal to glass adherence increasing interlayer. W. H. Colbert, A. R. Weinrich, and W. L. Morgan. 2,482,054, Sept. 13.
- Mirror system for viewing level vials. C. W. Keuffel. 2,486,954, Nov. 1.
- Mirror with low thermal expansion support. M. S. Maier. 2,464,141, Mar. 8.
- Missile dropping device. F. H. Hagner. 2,491,730, Dec. 20.
- Mist mixing. R. H. Fash. 2,489,176, Nov. 22.
- Miter, Hand. R. Monsch. 2,465,168, Mar. 22.
- Mitt, Baseball baseman's. A. Hilton. 2,485,882, Oct. 25.
- Mitt, Welder's double. S. J. Errett. 2,460,413, Feb. 1.

Mixer: *See—*

Cement mixer.
Chocolate mixer.
Concrete mixer.
Electric drink mixer.
Electric food mixer.
Fuel mixer.
Gas mixer.
Mixer. M. Dahnke. 2,486,126, Oct. 25.
Mixer. R. M. Dublin. 2,481,731, Sept. 13.
Mixer. A. G. Granath. 2,471,487, May 31.
Mixer. C. G. Muench. 2,464,523, Mar. 15.
Mixer. F. Seburger. 2,485,216, Oct. 18.
Mixer and barrow, Combined portable. H. A. Lightburn. 2,478,408, Aug. 9.
Mixer and grinder. J. M. Boyle. 2,483,453, Oct. 4.
Mixer and cooler for drinks, Combined. J. Loyez. 2,462,757, Feb. 22.
Mixer for dry and wet ingredients. H. G. Eastman. 2,487,533, Nov. 8.
Mixer for gas burners. C. Bellios. 2,460,057, Jan. 25.
Mixer for microwave receivers. C. E. McClellan. 2,476,885, July 19.
Mixer for plastic materials. V. Zona. 2,485,854, Oct. 25.
Mixing and dispensing apparatus, Article. S. L. Masten. 2,490,144, Dec. 6.
Mixing and separating apparatus. E. R. Kanhofer. 2,460,987, Feb. 8.
Mixing apparatus. G. G. Bruck. 2,468,166, Apr. 26.
Mixing apparatus. R. L. Cawood and B. W. Richardson.
Mixing apparatus. W. P. Godson. 2,463,376, Mar. 1.
Mixing apparatus. G. J. Langmyhr. 2,463,886, Mar. 8.
Mixing, Art of. H. J. Seaman. 2,473,770, June 21.
Mixing bottled natural gas with vegetative gas. H. E. McCordie. 2,471,161, May 24.
Mixing bowl cover. M. J. Ost. 2,486,320, Oct. 25.
Mixing box. G. A. Engert. 2,460,626, Feb. 1.
Mixing circuit. J. E. Shepherd. 2,485,665, Oct. 25.
Mixing device. P. Schlumbohm. 2,490,379, Dec. 6.
Mixing device, Fluid. C. R. Hetherington and E. E. Edwards. 2,477,929, Aug. 2.
Mixing machine. A. F. Kipper. 2,463,697, Mar. 8.
Mixing machine. C. Nielsen. 2,463,995, Mar. 8.
Mixing machine for concrete or the like. R. A. Beckwith. 2,477,568, Aug. 2.
Mixing machine, Tilting. J. C. Lukas. 2,485,302, Oct. 18.
Mixing system, Variable output. K. A. Raypholtz. 2,486,323, Oct. 25.
Mixing valve. W. B. Clifford. 2,471,725, May 31.
Mixing valve. W. V. Jordan. 2,465,458, Mar. 29.
Mixing valve. R. Yuza. 2,460,161, Jan. 25.
Mixture containing penicillin. A. L. Omohundro, M. J. Golden, and F. M. Neumeier. 2,464,053, Mar. 8.
Mixture control for internal-combustion engines, Fuel. L. Beeh. 2,486,816, Nov. 1.
Mixture of nucleotides containing predominantly adenosinotriphosphate, Preparation of. A. E. Szent-Györgyi. 2,472,130, June 7.
Mixtures of alkyl aryl sulfonates. L. H. Flett. 2,469,376-8, May 10.
Mobile body. A. Wolf. 2,472,357, June 7.
Moccasin uppers, Making. P. E. Medwed. 2,483,921, Oct. 4.
Moccasin vamps and plugs, Securing together. H. Phillips. 2,472,265, June 7.
Model airplane. H. R. Johnson. 2,486,852, Nov. 1.
Model airplane control line apparatus. E. G. Wood. 2,478,351, Aug. 9.
Model airplane motor. H. L. Roderick. 2,477,421, July 26.
Model duplicates, Making. H. E. Renaud. 2,460,242, Jan. 25.
Model for demonstrating atomic structure and theory. J. H. Hart. 2,477,179, July 26.
Model of nervous system of vertebrates. W. S. Lundahl. 2,489,427, Nov. 29.
Models from dentures, Removing. A. F. Luzzi. 2,464,140, Mar. 8.
Modern chick feed container. J. L. Kwash. 2,464,644, Mar. 15.
Modernistic spring metal folding chair. V. Q. Flinn. 2,462,377, Feb. 22.
Modification of prolamines with glycols. J. P. Dunne. 2,489,763, Nov. 29.
Modification of starch. D. W. Hansen, L. O. Gill, and J. H. Wrightsman. 2,464,081, Mar. 8.
Modified carbamide resins, Production of. F. H. Snyder. 2,483,854, Oct. 4.
Modified plug gauge. P. A. Penjaska. 2,462,545, Feb. 22.
Modulable electric discharge lamp. E. Lemmers. 2,491,867, Dec. 20.
Modulating control. B. Hayter. 2,481,663, Sept. 13.
Modulating system. J. J. Antalek. 2,461,307, Feb. 8.
Modulating system. J. C. Ferguson, and A. T. Mayle, Jr. 2,470,023, May 10.
Modulating system, High-frequency. W. W. Hansen and R. H. Varian. 2,482,766, Sept. 27.
Modulating system, High-frequency. W. H. Hansen and R. H. Varian. 2,482,768, Sept. 27.
Modulating system, Thermostatic. A. B. Hubbard. 2,480,098, Aug. 23.
Modulation. R. A. Henderson. 2,463,275, Mar. 1.

Modulation apparatus. R. C. Sanders, Jr., and W. R. Mercer. 2,468,237, Apr. 26.
Modulation device and method, Velocity. E. Feenberg. 2,486,398, Nov. 1.
Modulation indicator. J. F. Byrne. 2,458,830, Jan. 11.
Modulation of radio-frequency oscillations. T. K. Rigen. 2,477,547, July 26.
Modulation system. W. M. Hall. 2,473,794, June 21.
Modulation system. C. E. Hallmark. 2,459,698, Jan. 18.
Modulation system. W. P. Mason. 2,484,636, Oct. 11.
Modulation system, Phase or frequency. E. G. Beard. 2,476,349, July 19.
Modulation system, Pulse length. T. G. Custin. 2,492,736, Dec. 27.
Modulator. P. Glass. 2,460,690, Feb. 1.
Modulator. T. M. Gluyas, Jr. 2,490,428, Dec. 6.
Modulator. E. S. Grimes. 2,462,093, Feb. 22.
Modulator. F. A. Leibe and B. Mahler. 2,474,261, June 28.
Modulator. T. F. Marker. 2,492,168, Dec. 27.
Modulator. P. J. Pontecorvo. 2,462,893, Mar. 1.
Modulator. S. G. Vaughan, E. F. Grant, W. Altar, and M. W. Dodd. 2,484,256, Oct. 11.
Modulator, Amplitude. E. R. Shenk. 2,469,747, May 10.
Modulator and control means, Wave length. M. G. Crosby. 2,475,779, July 12.
Modulator circuit. R. F. Hays, Jr. 2,492,863, Dec. 27.
Modulator circuit. D. E. Norgaard. 2,471,835, May 31.
Modulator, Electronic frequency. A. D. Zappacosta. 2,461,364, Feb. 8.
Modulator for radio beacons utilizing two tones, Mechanical. C. W. Earp. 2,492,138, Dec. 27.
Modulator, High efficiency. J. F. Bell. 2,487,212, Nov. 8.
Modulator, Microwave. C. B. H. Feldman. 2,458,579, Jan. 11.
Modulator, Multielectrode. A. J. Rack. 2,476,323, July 19.
Modulator, Photoelectric controlled carrier. H. C. Ressler. 2,465,265, Mar. 22.
Modulator, Pulse. H. R. Hegbar. 2,481,925, Sept. 13.
Modulator, Pulse. D. Y. Keim. 2,485,608, Oct. 25.
Modulator, Pulse-time. H. Goldberg. 2,470,027, May 10.
Modulator, Stabilized frequency. G. Hepp. 2,470,892, May 24.
Modulator system. H. T. Winchel. 2,470,063, May 10.
Moistener and sealer, Envelope. J. H. Solomon. 2,464,354, Mar. 15.
Moistener for duplicating machines. J. J. Camphouse. 2,492,377, Dec. 27.
Moistener, Label. J. F. Werker. 2,491,019, Dec. 13.
Moistening apparatus. F. C. Dawson. 2,464,119, Mar. 8.
Moistening device for envelope flaps. F. Heer. 2,487,440, Nov. 8.
Moistening device for tape-dispensing mechanisms. J. W. Aldrich. 2,490,939, Dec. 13.
Moistening machine for wallpaper. J. O. Lee. 2,483,652, Oct. 4.
Moisture content-temperature correlation in a moving bed catalyst regeneration process. R. Lee and F. E. Ray. 2,474,198, June 21.
Moisture control in heat recovery apparatus. P. H. Karlsson and R. S. Cooper. 2,468,826, May 3.
Moistureproof, heat-sealable wrapping material and process. P. M. Hauser. 2,462,185, Feb. 22.
Moistureproof piezoelectric crystal and making same. F. Swinehart. 2,483,677, Oct. 4.
Moisture removing device for deep freezers. R. O. Abelling. 2,462,705, Feb. 22.
Moisturizer for carburetors. G. Miller. 2,482,200, Sept. 20.
Mold: *See—*
Balloon mold. Grid casting mold.
Block mold. Ingot mold.
Casting mold. Magnetic mold.
Collapsible head gate mold. Metal-casting mold.
Concrete block mold. Polytetrafluoroethylene casting mold.
Concrete mold. Slot-gate foundry mold.
Concrete step mold. Steak mold.
Cornice mold. Tire recapping mold.
Electrical baking mold. Two-voltage shaver mold.
Fluid cooled mold. Water-cooled slab mold.
Glass-shaping mold.
Mold. E. A. Graham. 2,459,025, Jan. 11.
Mold. W. H. Kelley. 2,483,286, Sept. 27.
Mold. C. L. Scheer and W. Fleisher, Jr. 2,464,157, Mar. 8.
Mold. E. H. Zahn. 2,459,402, Jan. 18.
Mold and liner for castings. R. F. Flora, E. R. Olsen, and C. J. Lonnee. 2,489,280, Nov. 29.
Mold and molding process. J. Schumann. 2,476,631, July 19.
Mold and pattern separating and actuating mechanism. T. A. Renkenberger. 2,484,646, Oct. 11.
Mold and refractory trough assembly, Separable. P. M. Payne. 2,461,999, Feb. 15.
Mold apparatus for casting metals. C. Wessel. 2,474,963, July 5.
Mold assembly for producing cast metal slabs. E. Gathmann. 2,472,071, June 7.
Mold bar for dental molds, Lingual. I. Neustadter. 2,471,344, May 24.
Mold charging device for concrete block molding presses. J. B. Lagarde. 2,492,297, Dec. 27.

- Mold clamping and pouring system. G. W. Fuller. 2,481,654, Sept. 13.
- Mold composition. B. P. Wallace. 2,469,907, May 10.
- Mold composition and making same, Synthetic. B. P. Wallace. 2,469,908, May 10.
- Mold composition, Refractory. E. Wainer. 2,466,138, Apr. 5.
- Mold for butter and similar substances. L. A. Givens. 2,478,819, Aug. 9.
- Mold for casting wall slabs. L. R. Porter, Jr. 2,460,532, Feb. 1.
- Mold for concrete blocks, Portable. E. F. Green. 2,473,748, June 21.
- Mold for concrete steps. C. Peterson. 2,474,321, June 28.
- Mold for forming ornamental plastic buttonhole casings. I. Botwinick. 2,482,239, Sept. 20.
- Mold for lining bearings. W. H. Tobener, Jr., and C. V. Anderson. 2,473,483, June 14.
- Mold for making plastic artificial eyes. L. A. Wells and C. A. Halbkat. 2,459,205, Jan. 18.
- Mold for molding concrete and the like, Vacuum. K. P. Billner. 2,474,721, June 28.
- Mold for molding concrete structural units. J. B. Fraser. 2,458,155, Jan. 4.
- Mold for shoe soles, High-frequency heated. J. Gregg. 2,487,866, Nov. 15.
- Mold for sliding clasp fasteners. J. Bolten, Jr. 2,471,258, May 24.
- Mold form, Wall. S. M. Pontiere. 2,490,228, Dec. 6.
- Mold injection head. B. and E. H. Schwartz. 2,459,048, Jan. 11.
- Mold insert, Exothermically reactive. P. J. Soffel. 2,490,327, Dec. 6.
- Mold, Vulcanizer. R. A. McCloud, J. L. Daum and T. P. Bacon. 2,474,542, June 28.
- Moldable composition in pellet form, Preparing a. E. H. Gilman. 2,489,373, Nov. 29.
- Molded articles comprising cork and an elastomer, Preparing high density. R. E. Clayton, Jr. 2,491,715, Dec. 20.
- Molded articles from coal, Manufacture of. W. I. and D. C. R. Jones. 2,466,435, Apr. 5.
- Molded articles, Method and apparatus for making. J. Gregg. 2,471,739, May 31.
- Molded articles, Production of. R. O. Wood. 2,458,327, Jan. 4.
- Molded discharge lamp. H. R. Ruff and R. L. Russell. 2,465,123, Mar. 22.
- Molded rubber traction chain. A. B. Skromme. 2,459,751, Jan. 18.
- Molded slugs from molds, Removing. J. Bailey. 2,467,107, Apr. 12.
- Molded structures, Making integral. J. D. Lindsay. 2,458,864, Jan. 11.
- Molding. R. E. Barr. 2,490,193, Dec. 6.
- Molding and packaging machinery. K. Alberti. 2,484,005, Oct. 11.
- Molding and packaging machinery. E. J. Rapp and H. R. Coon, Sr. 2,471,702-3, May 31.
- Molding and printing apparatus. G. C. Schaub. 2,481,691, Sept. 13.
- Molding and printing method. G. C. Schaub. 2,481,690, Sept. 13.
- Molding and printing method and apparatus. G. C. Schaub. 2,481,689, Sept. 13.
- Molding apparatus. L. S. Hubbert and H. J. Miller. 2,482,342, Sept. 20.
- Molding apparatus. F. J. MacDonald. 2,458,182, Jan. 4.
- Molding apparatus, Candle. C. R. Berger. 2,468,539, Apr. 26.
- Molding apparatus, Carton. R. J. Hennessey. 2,490,299, Dec. 6.
- Molding apparatus for the manufacture of roofing tiles, Centrifugal. G. H. Rafferty. 2,492,535, Dec. 27.
- Molding apparatus, Injection. W. P. Cousino. 2,471,813, May 31.
- Molding apparatus, Injection. J. A. Gits. 2,477,368, July 26.
- Molding apparatus, Injection. A. S. Watkins. 2,488,786, Nov. 22.
- Molding apparatus, Low-pressure. H. W. Collins. 2,478,165, Aug. 2.
- Molding attaching means. R. L. Brown. 2,476,207, July 12.
- Molding cellular products. B. M. King, Jr. 2,485,742, Oct. 25.
- Molding clip. D. H. Waara. 2,471,254, May 24.
- Molding clip. D. H. Waara. 2,473,400, June 14.
- Molding composition. H. A. Osserman. 2,475,802, July 12.
- Molding composition and making the same. E. R. McLean. 2,463,044, Mar. 1.
- Molding composition comprising a polyvinyl resin and a cracked petroleum residuum. K. H. Rudd. 2,464,263, Mar. 15.
- Molding compositions. G. A. Griess and E. D. Morris. 2,485,592, Oct. 25.
- Molding compositions, Asphalt. R. A. Barkuff, Jr. 2,470,329, May 17.
- Molding compositions comprising alginates. E. G. Millatt. 2,488,135, Nov. 15.
- Molding compositions, Production of synthetic resin. J. Allan. 2,476,347, July 19.
- Molding compositions, Thermosetting phenolic. F. Rosenthal. 2,470,322, May 17.
- Molding device. E. Gronemeyer. 2,487,925, Nov. 15.
- Molding device, Rotary transfer. F. G. Furinton. 2,476,219, July 12.
- Molding device with self-binding separator, Injection. C. W. Burnham. 2,482,243, Sept. 20.
- Molding doll heads, Method and apparatus for. C. A. Evans. 2,466,586, Apr. 5.
- Molding form for use in producing burial vaults and the like. C. A. Landon. 2,486,038, Oct. 25.
- Molding hollow articles. A. A. Nelson. 2,473,722, June 21.
- Molding lenses and like optical elements. J. Johnson. 2,473,588, June 21.
- Molding, Low-pressure. P. E. Bowes. 2,462,940, Mar. 1.
- Molding machine. C. Jobst. 2,484,712, Oct. 11.
- Molding machine. E. F. Oyster. 2,489,810, Nov. 29.
- Molding machine. J. C. Temple, Sr. 2,478,676, Aug. 9.
- Molding machine. W. R. Tucker. 2,479,433, Aug. 16.
- Molding machine. E. I. Valyi. 2,485,336, Oct. 18.
- Molding machine attachment, Dough. R. W. Baird. 2,461,868, Feb. 15.
- Molding machine, Building block. C. M. Long. 2,475,904, July 12.
- Molding machine, Cement slab. B. G. Cooper. 2,458,564, Jan. 11.
- Molding machine, Concrete block. A. G. Carlsen. 2,492,463, Dec. 27.
- Molding machine, Concrete block. A. Kissam. 2,477,753, Aug. 2.
- Molding machine, Continuous rotor. C. N. and G. B. Benander. 2,471,139, May 24.
- Molding machine for biscuit dough, Rotary. J. C. Paterson. 2,480,505, Aug. 30.
- Molding machine for making concrete building tile. A. R. Barth. 2,489,737, Nov. 29.
- Molding machine, Injection. M. A. Bauman. 2,476,272, July 19.
- Molding machine, Injection. R. W. Dinzl. 2,462,308, Feb. 22.
- Molding machine, Injection. C. Jobst. 2,470,402, May 17.
- Molding machine, Injection. N. Lester. 2,475,395, July 5.
- Molding machine, Monolithic wall. F. E. Withrow. 2,470,671, May 17.
- Molding machine, Plastic. R. M. Alden. 2,480,313, Aug. 30.
- Molding machine, Plastic. A. Ziska. 2,484,777, Oct. 11.
- Molding machine, Rotary. B. R. Abbott. 2,481,486, Sept. 13.
- Molding machine, Shoe upper. M. L. Dodge. 2,484,877, Oct. 18.
- Molding machine, Vibrating block. A. C. Shepek. 2,470,377, May 17.
- Molding material. H. E. Read. 2,489,541, Nov. 29.
- Molding material and preparing same. H. Kremer. 2,492,488, Dec. 27.
- Molding material and the article produced, Producing. J. A. Clark. 2,458,562, Jan. 11.
- Molding, Method and apparatus for. G. J. Kovacs. 2,460,831, Feb. 8.
- Molding, Method of and apparatus for. I. P. Rodman, Jr. 2,469,130, May 3.
- Molding plastics, Method and apparatus for. H. M. Richardson. 2,469,342, May 3.
- Molding powder, Producing a. J. M. Irwin. 2,486,601, Nov. 1.
- Molding powders, Manufacture of plastic. J. Sandler. 2,477,009, July 26.
- Molding press. K. W. Hall. 2,482,338, Sept. 20.
- Molding prestressed structures. K. P. Billner. 2,483,175, Sept. 27.
- Molding, Price tag. G. L. Graff and J. J. Robinson, Jr. 2,489,089, Nov. 22.
- Molding surface ornamented building blocks. A. Johnson. 2,467,590, Apr. 19.
- Molding thermosetting compositions in glass molds. A. S. Nyquist and E. L. Kropa. 2,475,194, July 5.
- Molding, Weatherstrip. C. F. Kramer. 2,464,406, Mar. 15.
- Molds for diamond tools, Producing ceramic. W. G. Lake. 2,476,421, July 19.
- Molds, Making. G. C. Haas. 2,476,726, July 19.
- Molds, Making. D. L. Jocelyn. 2,479,364, Aug. 16.
- Molds, Making. C. L. Milton, Jr., and C. A. Nielson. 2,476,993-4, July 26.
- Molds, Making precision. J. H. S. Skoning. 2,480,426, Aug. 30.
- Molds, Manufacturing. G. A. Rubissow. 2,470,189, May 17.
- Molecular alcohols, Producing higher. V. Blinoff. 2,480,969, Feb. 8.
- Molecularly oriented copolymers of acrylonitrile, butadiene 1, 2, and diethyl maleate, Preparing. G. F. D'Alenio. 2,458,352, Jan. 4.
- Molybdenum compounds, Preparation of. M. C. Carosella. 2,460,974, Feb. 8.
- Molybdenum compounds, Recovery of. M. C. Carosella. 2,460,975, Feb. 8.
- Momentary slowdown device for high-speed blankholder presses. R. J. Lindsey. 2,459,883, Jan. 25.
- Monazo compounds containing a thiazolone cyanine dye component. T. R. Thompson. 2,464,785, Mar. 22.

- Mono- and polyalkyl mono- and polynuclear mercaptans. D. J. Crowley and A. I. Kosak. 2,490,257, Dec. 6.
- Monoalkamine esters of pyrrole-5-carboxylic acids. T. F. Scholz. 2,479,972, Aug. 23.
- Monoalkamine esters of pyrrole-3-carboxylic acids. T. F. Scholz. 2,479,971, Aug. 23.
- Monoalkyl and dialkyl carbamyl piperazines. Preparing. S. Kushner and L. Brancone. 2,467,894, Apr. 19.
- Mono-alkyl esters of terephthalic acid. Preparation of. W. F. Gresham. 2,479,066, Aug. 16.
- Mono-alkyl esters of the addition product of levo-pimaric acid with maleic anhydride. Production of. M. M. Graff. 2,467,126, Apr. 12.
- Mono-aryl isomelamines. D. W. Kaiser and D. E. Nagy. 2,481,758, Sept. 13.
- Monoazo chromium complex. H. W. Grimm and L. Richter. 2,487,540, Nov. 8.
- Monoazo compound, Dinitro. F. Felix and E. Reich. 2,475,228, July 5.
- Monoazo compounds. J. B. Dickey. 2,491,481, Dec. 20.
- Monoazo dipyrazolones, Metallizable. P. Hindermann. 2,472,109, June 7.
- Monoazo dyestuffs and making same. W. Steinemann. 2,482,946, Sept. 27.
- Monoazo heterocyclic compounds. J. B. Dickey. 2,466,397, Apr. 5.
- Monoazo pyrazolone dyes, Chromable. A. Krebs and P. Hindermann. 2,464,322, Mar. 15.
- Monobasic salts of phosphate acids as stabilizers for diazo-type prints. S. C. Slifkin. 2,489,728, Nov. 29.
- Monoesters of thiodiacetic acid. Preparation of. F. C. Frank. 2,467,303, Apr. 12.
- Monofluoro-dichloromethane, Purification of crude. A. F. Benning, R. C. McHarness, and W. S. Murray. 2,470,088, May 17.
- Monofluorophosphates, Producing. C. O. Anderson. 2,481,807, Sept. 13.
- Monohydroxy dinitriles and esters thereof, and preparation of the same. C. W. Smith and S. A. Ballard. 2,483,853, Oct. 4.
- Monomeric alkyl alpha-cyano-acrylates, Preparation of. A. E. Ardis. 2,467,926-7, Apr. 19.
- Monomeric fluorine compounds containing a four-carbon atom ring. P. L. Barrick. 2,462,345, Feb. 22.
- Monomeric 1,1-dicyano ethylene, Stabilization of. H. Gilbert. 2,467,378, Apr. 19.
- Monorail wheel. A. S. Bilger. 2,488,523, Nov. 22.
- Monosubstituted desoxyglycoses and preparing the same. W. A. Bonner, H. Woods, and C. D. Hurd. 2,472,277, June 7.
- Mooring cables to rotary winged aircraft, Connecting. G. A. Ring. 2,471,544, May 31.
- Mooring device. K. L. Peck. 2,477,265, July 26.
- Mooring device, Airplane. O. E. Williams. 2,483,078, Sept. 27.
- Mop having clamping channels for holding mop cloth tufts of varied lengths. Dust. D. L. Rodgers. 2,489,158, Nov. 22.
- Mop having steel and fibrous pads, Dual-purpose. W. S. Pinnell. 2,482,163, Sept. 20.
- Mop head, Flexible. P. S. and T. S. Vosbikian. 2,469,060, May 3.
- Mophead having detachable mop and jaw unit. J. W. Martin. 2,492,232, Dec. 27.
- Mop structure. F. E. Oakhill. 2,460,763, Feb. 1.
- Mop with two-part hinged backing plate, Sponge type. W. E. Berendsen. 2,486,102, Oct. 25.
- Morpholinolalkanol esters. E. H. Northey and M. E. Hultquist. 2,475,852, July 12.
- Mortar. J. R. Jasse. 2,477,253, July 26.
- Mortar and adapter, Grenade. J. Ross. 2,459,182, Jan. 18.
- Mortar sight. J. E. Darr, Jr., and W. U. Matson. 2,478,898, Aug. 16.
- Mortice lock. S. J. C. Cottrell. 2,468,323, Apr. 26.
- Mosaic targets for electron beams, Method and apparatus for making. J. B. Johnson. 2,463,180, Mar. 1.
- Mothproof container. M. E. Henry, Sr. and W. P. Carbaugh. 2,462,966, Mar. 1.
- Motion and position control device. C. F. Kezer. 2,484,573, Oct. 11.
- Motion for looms, Harness. P. Matweeff. 2,469,200, May 3.
- Motion for looms or the like, Change box. W. H. Baker. 2,463,673, Mar. 8.
- Motion for warp knitting machines. W. O. Traummüller. 2,482,811, Sept. 27.
- Motion of machinery, Moving and controlling the. C. F. Brereton. 2,461,877, Feb. 15.
- Motion-picture apparatus of the optical compensating type. L. W. McGinty. 2,482,197, Sept. 20.
- Motion-picture camera case. C. W. Coon. 2,482,248, Sept. 20.
- Motion-picture camera stand. A. C. Coutant. 2,484,982, Oct. 18.
- Motion-picture combination. C. Waldeyer. 2,460,320, Feb. 1.
- Motion-picture film reel. J. A. Thomas. 2,476,928, July 19.
- Motion-picture film with a plurality of picture series and projector for the same. F. N. El-Mazzaoui. 2,483,040, Sept. 27.
- Motion-picture projector film take-up and rewind mechanism. M. R. Hutchison, Jr. 2,464,135, Mar. 8.
- Motion-picture reel. D. Kramer. 2,484,100, Oct. 11.
- Motion-picture screen. A. W. Ramstad. 2,473,301, June 14.
- Motion-picture titler. H. E. Kleintop. 2,461,285, Feb. 8.
- Motion pictures in color, Method and apparatus for producing. R. Thomas. 2,491,018, Dec. 13.
- Motion repeating system. T. O. McCarthy. 2,459,830, Jan. 25.
- Motion-translating device, Rotary. A. B. Poole. 2,482,434, Sept. 20.
- Motion translation mechanism. D. O. Tarney. 2,478,341, Aug. 9.
- Motion transmission mechanism. S. H. Cook. 2,473,362, June 14.
- Motion transmission system. G. Agins. 2,464,544, Mar. 15.
- Motor: See—
- Alternating current brake motor.
- Compensated thermal motor.
- Condenser motor.
- Constant-speed electric motor.
- Deep-neck high-flux motor.
- Direct-current type motor.
- Double - end - ventilated motor.
- Dual capacitor motor.
- Dual-voltage dual speed capacitor motor.
- Dual-voltage single-phase motor.
- Electric motor.
- Electric toy motor.
- Electric traction motor.
- Electric vibration motor.
- Electromagnetic motor.
- Electromagnetic reciprocating motor.
- Electromagnetic straight-line motor.
- Fluid pressure motor.
- Hysteresis motor.
- Impulse motor.
- Induction motor.
- Inverter motor.
- Jet propulsion motor.
- Low inertia induction motor.
- Magnetic impulse motor.
- Model airplane motor.
- Multispeed single-phase electric motor.
- Nonmagnetic sleeved electric motor.
- Outboard motor.
- Parachute zero speed landing motor.
- Permanent magnet vibratory motor.
- Pressure fluid brake motor.
- Pressure fluid motor.
- Quiet single-phase motor.
- Reciprocating electro-magnetic motor.
- Reciprocatory electromagnetic motor.
- Repulsion synchronous motor.
- Reversible induction motor.
- Rotary aircraft athodyd motor.
- Rotary combustion motor.
- Rotary hydraulic motor.
- Rotary jet-actuated motor.
- Self-starting impulse type electric motor.
- Self-starting synchronous hysteresis motor.
- Shaded pole motor.
- Silent suction motor.
- Single-phase capacitor motor.
- Single-phase electric motor.
- Single-phase series commutator motor.
- Small electric motor.
- Split-phase induction motor.
- Spring motor.
- Submersible motor.
- Synchronous electric motor.
- Synchronous motor.
- Totally enclosed non-ventilated motor.
- Two-stroke motor.
- Two-value capacitor motor.
- Variable displacement radial vane rotary motor.
- Variable hydraulic pump or motor.
- Vibratory electrical motor.
- Vibratory motor.
- Windshield wiper motor.
- Motor. C. J. Bishofberger. 2,487,688, Nov. 8.
- Motor. L. A. Kilgore. 2,482,491, Sept. 20.
- Motor. H. W. Price. 2,463,806, Mar. 8.
- Motor acceleration means. H. F. Roach and W. R. Nelson. 2,472,341, June 7.
- Motor and brake device. F. E. Niederhiser. 2,490,456, Dec. 6.
- Motor and brake mechanism. G. D. Willets. 2,462,017, Feb. 15.
- Motor and brake unit, Electric. J. Gèrentès. 2,480,291, Aug. 30.
- Motor and clutch unit. A. C. Peterson. 2,481,867, Sept. 13.
- Motor and operation, Alternating current. D. E. Bench. 2,492,613, Dec. 27.
- Motor and switch, Fluid pressure operated. H. W. Price. 2,480,768, Aug. 30.
- Motor and valve operating mechanism therefor, Fluid operated. C. Tietzmann. 2,478,064, Aug. 2.
- Motor assembly, Electric. R. R. Baner. 2,463,349, Mar. 1.
- Motor base for attachment to bicycle frames. C. H. Holderness. 2,468,367, Apr. 26.
- Motor bike frame. J. W. Moore. 2,486,430, Nov. 1.
- Motor brake. C. H. Dederick. 2,481,402, Sept. 6.
- Motor braking control, Electric. I. F. Weiss. 2,482,954, Sept. 27.
- Motor braking device. E. R. Goldfield. 2,479,344, Aug. 16.
- Motor braking system, Polyphase. H. B. Fuge. 2,478,155, Aug. 2.
- Motor brush holder. M. Culkosky. 2,471,480, May 31.
- Motorcar carrier. C. C. Stuart. 2,473,830, June 21.
- Motor casing. M. E. Schlenker and J. J. Gmeiner. 2,465,042, Mar. 22.
- Motor choke and priming means, Outboard. G. W. Martin. 2,489,494, Nov. 29.
- Motor-compressor unit, Sealed. R. M. Smith. 2,468,948, May 3.
- Motor construction. S. A. Brown. 2,481,819, Sept. 13.

- Motor construction. R. W. Esarey. 2,462,172, Feb. 22.
 Motor construction. F. C. Rushing and B. B. Winer. Mar. 29.
 Motor construction, Electric. S. S. Brown. 2,483,524, Oct. 4.
 Motor construction, Electric. E. O. Schweitzer, Jr. 2,482,032, Sept. 13.
 Motor construction, Synchronous electric. E. O. Schweitzer, Jr. 2,477,424, July 26.
 Motor-containing wheel. E. Bobard. 2,483,177, Sept. 27.
 Motor control. W. B. Eddison. 2,481,939, Sept. 13.
 Motor control. H. C. Waterman. 2,472,736, June 7.
 Motor control. Z. W. Whitehouse. 2,468,609, Apr. 26.
 Motor control. O. E. Zahn. 2,475,169, July 5.
 Motor control apparatus. S. R. Folsom. 2,476,851, July 19.
 Motor control apparatus, Automatic electric. A. W. Jacobson. 2,466,591, Apr. 5.
 Motor control apparatus, Electric. W. H. Wannamaker, Jr. 2,473,494, June 14.
 Motor control apparatus, Electric. R. F. Wild. 2,487,010, Nov. 1.
 Motor control apparatus, Electrical follow-up. E. H. Robinson. 2,484,120, Oct. 11.
 Motor control apparatus, Electrical network. H. T. Sparrow and R. J. Kutzler. 2,466,282, Apr. 5.
 Motor control apparatus, Electronic. J. H. Bollman. 2,478,740, Aug. 9.
 Motor control apparatus, Electronic. W. K. Ergen. 2,475,132, July 5.
 Motor control apparatus, Follow-up electric. E. C. Wahlberg. 2,475,066, July 5.
 Motor control apparatus with automatic "Z" effect, Electric. R. Bernas. 2,460,276, Feb. 1.
 Motor control circuit. J. T. L. Brown and C. E. Pollard, Jr. 2,472,566, June 7.
 Motor control circuit. A. M. Curtis. 2,460,064, Jan. 25.
 Motor control circuit. R. C. Davis and R. H. Gumley. 2,476,844, July 19.
 Motor control circuit. C. M. Gilbert. 2,466,984, Apr. 12.
 Motor control circuit. B. Ostendorf, Jr. 2,472,611, June 7.
 Motor control circuits, Electronic. P. Glass. 2,476,657, July 19.
 Motor control device, Electric. F. Rieber. 2,469,786, May 10.
 Motor control, Electric. R. B. Hunter. 2,492,639, Dec. 27.
 Motor control, Electric. L. E. Thompson. 2,466,133, Apr. 5.
 Motor control follow-up system. W. A. Ray. 2,488,780, Nov. 22.
 Motor control proportioning system, Electric. C. W. Klug. 2,474,679, June 28.
 Motor control, Shaded pole. M. L. Greenough. 2,458,701, Jan. 11.
 Motor control, Split-phase induction. S. E. Hand. 2,489,637, Nov. 29.
 Motor control system. G. R. Anderson. 2,465,052, Mar. 22.
 Motor control system. J. W. Bancroft. 2,464,548, Mar. 15.
 Motor control system. E. Frisch, C. R. Hanna, and W. C. Osbon. 2,467,735, Apr. 19.
 Motor control system. E. H. Sills. 2,469,899, May 10.
 Motor control system. G. E. Stoltz. 2,462,233, Feb. 22.
 Motor control system. J. R. Wrathall. 2,470,673, May 17.
 Motor control system and apparatus, Electric. W. J. Herziger. 2,478,693, Aug. 9.
 Motor control system and operation, Hysteresis. H. C. Roters. 2,458,100, Jan. 4.
 Motor control system, Antihunt electric. A. J. Hornfeck. 2,482,065, Sept. 13.
 Motor control system, Balanced variable frequency. K. Rath. 2,467,335, Apr. 12.
 Motor control system, Direct-current. W. R. Harris. 2,465,275, Mar. 22.
 Motor control system, Electric. F. A. Gross and R. R. Darden, Jr. 2,486,151, Oct. 25.
 Motor control system, Electric. H. Lindars. 2,465,891, 2,465,226, Mar. 22.
 Motor control system, Electric. M. J. Johnson. 2,468,447, Apr. 26.
 Motor control system, Electric. E. C. Wahlberg. 2,469,139, May 3.
 Motor control system, Electric. E. R. Ziegler. 2,462,249, Feb. 22.
 Motor control system, Electromagnetic. A. S. Fitz Gerald. 2,477,729, Aug. 2.
 Motor control system, Generator for. J. R. Erbe and G. A. Caldwell. 2,462,171, Feb. 22.
 Motor control system, Induction. J. W. Dawson. 2,469,294, May 3.
 Motor control system, Induction. A. H. Myles and A. C. Prottengeler. 2,460,234, Jan. 25.
 Motor control system, Position selecting. R. G. Melrose. 2,480,334, Aug. 30.
 Motor control system, Reaction. L. Lawrence, Jr., and J. H. Wyld. 2,470,564, May 17.
 Motor control system, Speed responsive. A. G. Corkran. 2,467,582, Apr. 19.
 Motor control system, Synchronous. S. C. Ewing. 2,470,478, May 17.
 Motor control system, Telemetric. J. F. Emerson. 2,479,105, Aug. 16.
 Motor control system, Thyatron. B. Cooper. 2,469,862, May 10.
 Motor control system, Time delay. H. M. Fleming. 2,463,371, Mar. 1.
 Motor control system with stray signal elimination. R. F. Wild and L. Stanton. 2,475,576, July 5.
 Motor control unit, Auxiliary. C. C. Duchaussoy. 2,479,734, Aug. 23.
 Motor control, Windshield wiper. I. E. Coffey. 2,484,781, Oct. 11.
 Motor controlling apparatus. W. J. Field. 2,480,125, Aug. 30.
 Motor cooling means. A. N. Szwargulski. 2,460,371, Feb. 1.
 Motor cooling systems. G. M. De Jarlais. 2,459,311, Jan. 18.
 Motorcycle. H. D. McSwiney. 2,463,406, Mar. 1.
 Motorcycle, Junior. W. C. Arzt. 2,488,892, Nov. 22.
 Motorcycle support. R. C. Morris. 2,479,763, Aug. 23.
 Motor drive and control, Alternating-current. E. Pell and E. W. Seeger. 2,467,986, Apr. 19.
 Motor drive, Speed regulating. B. W. Carrington. 2,459,917, Jan. 25.
 Motor-driven leveling support. S. G. Isserstedt. 2,490,628, Dec. 6.
 Motor-driven pump. L. R. Peters. 2,478,706, Aug. 9.
 Motor-driven toy vehicle. E. O. Roggenstein. 2,481,686, Sept. 13.
 Motor driving mechanism, Electric. H. M. Stephenson. 2,467,870, Apr. 19.
 Motor fan and brake drum, Combination. E. H. Piron. 2,488,880, Nov. 22.
 Motor field frame and fabrication. G. G. Raymond. 2,484,001, Oct. 4.
 Motor follow-up apparatus, Electric. K. A. Holst. 2,486,029, Oct. 25.
 Motor follow-up control system, Electric. S. Wald. 2,484,134, Oct. 11.
 Motor follow-up system, Electric. H. E. Hartig. 2,484,790, Oct. 11.
 Motor for dry-shaving apparatus. W. F. Boelsums. 2,487,846, Nov. 15.
 Motor for food mixers or the like, Electric. J. G. Ritter. 2,469,932, May 10.
 Motor for rock drill feeding mechanisms, Fluid pressure. A. Feucht. 2,479,004, Aug. 16.
 Motor for superchargers, Regulating. W. H. Gille. 2,487,049, Nov. 8.
 Motor fuel, Antiknock. P. L. de Verter. 2,479,326, Aug. 16.
 Motor fuel by alkylation, Producing. M. P. Matuszak. 2,476,750, July 19.
 Motor fuel, Cold starting. W. J. Sweeney. 2,469,751, May 10.
 Motor fuel, Manufacturing. L. C. Kemp, Jr. 2,461,064-5, Feb. 8.
 Motor fuels. P. L. De Verter. 2,465,209, Mar. 22.
 Motor fuels. H. G. M. Fischer. 2,461,972, Feb. 15.
 Motor fuels of high antiknock values, Synthesizing. P. C. Keith. 2,470,216, May 17.
 Motor generator. L. C. Packer. 2,465,262, Mar. 22.
 Motor-generator, control, Flywheel. E. C. Whitney. 2,484,260, Oct. 11.
 Motor having coaxial counterrotating shafts. D. A. Guerdan and J. E. Bluman. 2,462,182, Feb. 22.
 Motor having fluid actuated radially sliding vanes, Speed responsive variable capacity rotary fluid. A. A. Ericson. 2,487,321, Nov. 8.
 Motor, including cantilever type motor rotor, Grinder and driving. F. J. Wright. 2,463,843, Mar. 8.
 Motor line connecting device, Selective. J. M. Gaylord and R. E. Ball. 2,460,415, Feb. 1.
 Motor mechanism with piston snap actuated distributing valves, Oscillating piston. B. Ulrich, Jr. 2,463,005, Mar. 1.
 Motor mounting. D. Adams. 2,475,302, July 5.
 Motor mounting. H. H. Doe. 2,467,296, Apr. 12.
 Motor mounting. H. M. Hafele. 2,475,589, July 12.
 Motor mounting. T. Jackson. 2,468,671, Apr. 26.
 Motor mounting attachment. N. J. Pepin. 2,471,120, May 24.
 Motor of the wobble plate type, Hydraulic. R. C. Griffith. 2,478,481, Aug. 9.
 Motor operated switch. J. F. Frese. 2,482,757, Sept. 27.
 Motor operated valve. E. G. Miller and R. E. Engberg. 2,482,199, Sept. 20.
 Motor operated valve. E. G. Miller and R. E. Engberg. 2,483,322, Sept. 27.
 Motor or pump, Expandable chamber fluid. C. M. Bolster. 2,464,208, Mar. 15.
 Motor or pump of the axially moving sliding vane type, Spherical expandable chamber rotary. G. A. Waldie. 2,464,736, Mar. 15.
 Motor or the like, Portable electric. L. H. Snyder and K. D. Yost. 2,477,150, July 26.
 Motor packing, Fluid. A. Rappl. 2,471,897, May 31.
 Motor preset control, Electric. G. Malcom. 2,470,937, May 24.
 Motor propelled toy vehicle. A. Adamczyk. 2,461,672, Feb. 15.
 Motor protective means, Polyphase. R. E. Seely. 2,467,862, Apr. 19.

- Motor protective system, Traction. C. C. Whittaker. 2,467,794, Apr. 19.
- Motor protective system, Underspeed. A. C. Frazee. 2,472,526, June 7.
- Motor rotor, Induction. R. G. Le Tourneau. 2,462,516, Feb. 22.
- Motor shaft. E. C. Horton and E. V. Schaal. 2,462,192, Feb. 22.
- Motor speed control. P. E. Volz. 2,471,916, May 31.
- Motor speed control system, Electric. R. H. Sullivan, V. H. Hardy, and H. C. Porter. 2,478,848, Aug. 9.
- Motor speed regulating circuit. F. W. Merrill. 2,480,590, Aug. 30.
- Motor starting and safety switch. A. R. Lucas. 2,475,038, July 5.
- Motor starting control switch. O. Lindfors. 2,490,877, Dec. 13.
- Motor starting switch. A. R. Lucas. 2,475,039, July 5.
- Motor structure, Electric. G. A. Gillen. 2,467,586, Apr. 19.
- Motor structure, Electric. C. W. Lanter. 2,491,321, Dec. 13.
- Motor support and fan guard mounting, Combined. J. A. Lechtenberg. 2,478,829, Aug. 9.
- Motor switching mechanism, Electric. E. C. Wahlberg. 2,474,707, June 28.
- Motor system, Object controlling electric. O. E. Esval and P. Halpert. 2,487,793, Nov. 15.
- Motor system, Regulated speed. R. D. Jones and F. W. Merrill. 2,481,511, Sept. 6.
- Motor system, Reversible direct-current. S. H. Dale. 2,480,225, Aug. 30.
- Motor system, Self-synchronous. R. E. Meagher. 2,482,020, Sept. 13.
- Motor unit, Alternating current solenoid reciprocating. J. I. Ellman. 2,459,510, Jan. 18.
- Motor unit construction, Outboard. G. E. Buske. 2,489,478, Nov. 29.
- Motor vehicle. R. J. P. Ruelle. 2,490,162, Dec. 6.
- Motor vehicle. H. R. Van Vleck. 2,472,450, June 7.
- Motor vehicle. N. Wyeth. 2,471,135, May 24.
- Motor vehicle automatic speed regulator. W. I. Goss. 2,486,369, Oct. 25.
- Motor vehicle bogie unit. H. J. Williams and M. Ambarcumian. 2,465,181, Mar. 22.
- Motor vehicle characterized by a low center of gravity, Independently suspended. K. K. Probst. 2,463,310, Mar. 1.
- Motor vehicle cover. R. H. Fowler. 2,469,958, May 10.
- Motor vehicle fuel tank. B. A. Swennes. 2,459,470, Jan. 18.
- Motor vehicle jack and wheel, Combination. J. W. Holmes, Jr. 2,486,409, Nov. 1.
- Motor vehicle passing signal. D. H. Smith, Jr. 2,464,535, Mar. 15.
- Motor vehicle stabilizing means. C. C. Utz. Re. 23,116, May 24.
- Motor vehicles, Transporting. F. I. Galey. 2,471,521, May 31.
- Motor ventilation. W. D. Abbott. 2,491,943, Dec. 20.
- Motor ventilation, All-around. W. D. Abbott and F. C. Russell. 2,488,365, Nov. 15.
- Motor ventilation, High velocity. W. D. Abbott. 2,457,967, Jan. 4.
- Motor wheel. J. J. Tooley. 2,479,279, Aug. 16.
- Motor with bore-centered bearings, Electric. L. R. Ludwig. 2,462,204, Feb. 22.
- Motor with distributing valve in piston, Expandable chamber hydraulic. C. E. Adams. 2,470,087, May 17.
- Motor with emergency supply reservoir, Fluid. C. K. Steins and H. A. Hoke. 2,457,937, Jan. 4.
- Motor with oscillating cylinder and piston actuated distributing valve, Expandable chamber. L. S. Barksdale. 2,477,359, July 26.
- Motor with piston actuated pilot control means, Fluid pressure. F. E. Cooper. 2,490,000, Nov. 29.
- Motor with propellant charge mounted in it, Reaction. J. W. Parsons. 2,484,355, Oct. 11.
- Motor wrench, Hinged supported. F. E. Niederhiser. 2,470,897, May 24.
- Motorized pressure juice extractor. G. Le Witt. 2,470,708, May 17.
- Mount: See—
Airplane gun mount. Twin gun mount.
- Mount, Adjustable wheel. H. Hutchings. 2,467,482, Apr. 19.
- Mount and shoulder rest, Combination. J. R. Bird. 2,472,804, June 14.
- Mount, Antioscillation. F. W. Taylor. 2,491,229, Dec. 13.
- Mount, Artificial eye. K. R. Larson. 2,477,460, July 26.
- Mount, Engine. L. F. Thiry. 2,468,900, May 3.
- Mount, Floating motor. A. Pollak. 2,471,773, May 31.
- Mount for bent light beam optical systems, Mirror. M. R. Hutchison, Jr. 2,487,375, Nov. 15.
- Mount for cameras, Detachable shutter. D. C. Harvey. 2,472,586, June 7.
- Mount for cameras, Hand. L. Kraus. 2,466,713, Apr. 12.
- Mount for collapsible tubes, Dispensing. J. A. Acosta. 2,476,346, July 19.
- Mount for electrical units. D. De Witt. 2,490,859, Dec. 13.
- Mount for electron discharge devices. O. H. Fulton, Jr. 2,460,382, Feb. 1.
- Mount for electron tubes. O. H. Schade. 2,460,398, Feb. 1.
- Mount for firearms, Telescope sight. L. E. Whittemore. 2,479,886, Aug. 23.
- Mount for gas burners. H. E. Handley. 2,490,127, Dec. 6.
- Mount for guns, Telescope. R. W. Hugg. 2,464,134, Mar. 8.
- Mount for mechanical actuators. W. P. Lear. 2,490,972, Dec. 13.
- Mount for motorized bicycles, Motor. T. A. Woolsey and R. A. Webster. 2,488,613, Nov. 22.
- Mount for optical elements, Adjustable. F. J. Wolff, Jr. 2,461,190, Feb. 8.
- Mount for plastic extruders, Die. H. T. Tornberg. 2,461,856, Feb. 15.
- Mount for portable chain saws. R. E. Foster. 2,463,860, Mar. 8.
- Mount for suction cleaners, Wheel. C. F. Foley. 2,490,955, Dec. 13.
- Mount for twin searchlights. G. E. Meese. 2,479,176, Aug. 16.
- Mount for web rolls. R. H. Greene. 2,490,685, Dec. 6.
- Mount, Globe. L. H. Powell. 2,483,932, Oct. 4.
- Mount, Grab bucket. E. E. Brosius. 2,465,629, Mar. 29.
- Mount, Gun. S. T. and F. L. Farrell. 2,466,219, Apr. 5.
- Mount, Gun. S. G. Green, W. H. D'Ardenne, W. J. Meinel, and W. Devore. 2,491,005, Dec. 13.
- Mount, Lamp. H. H. Chun. 2,491,252, Dec. 13.
- Mount, Lamp filament. R. D. Eaton. 2,479,221, Aug. 16.
- Mount, Lens. F. B. Dibble, E. G. Mercier, J. A. Duvoisin, and C. K. Gaertner. 2,491,093, Dec. 13.
- Mount, Machine gun. S. T. and F. L. Farrell. 2,469,333, May 3.
- Mount, Machine gun. E. J. Rush. 2,491,520, Dec. 20.
- Mount, Multiple pulley. B. R. Dicks. 2,464,077, Mar. 8.
- Mount of cellular material having depressed display area. C. N. Cross. 2,453,349, Jan. 4.
- Mount, Outboard motor. M. C. Bohler. 2,468,287, Apr. 26.
- Mount, Picture. G. E. Nichols. 2,459,576, Jan. 18.
- Mount, Plant label. B. M. Green. 2,461,054, Feb. 8.
- Mount structure for electron discharge devices. W. H. Warren and N. H. Green. 2,476,646, July 19.
- Mount, Swivel. J. Mihalyi and H. D. Phillips. 2,458,399, Jan. 4.
- Mount, Transparency. J. N. Williams. 2,477,470, July 26.
- Mount, Truck cab. R. J. Waterbury and E. J. Premo. 2,485,794, Oct. 25.
- Mount with foldable firing control frame, Gun. J. H. Kochevar. 2,457,824, Jan. 4.
- Mounting: See—
Adjustable roll mounting. Oscillator tube mounting.
Aerial mounting. Outboard motor mounting.
Aircraft wing mounting. Panel mounting.
Barrel engine mounting. Parking meter mounting.
Bearing mounting. Phonograph-record arm mounting.
Bubble cap mounting. Piano key mounting.
Cable brace-bar ophthalmic mounting. Piezoelectric crystal mounting.
Camera objective mounting. Portable motor mounting.
Coil form mounting. Propeller mounting.
Crystal mounting. Pump mounting.
Cutter mounting. Railway brake beam mounting.
Cycle saddle spring mounting. Railway truck journal box mounting.
Dial mounting. Resilient expandable buckle mounting.
Doctor blade mounting. Resilient motor mounting.
Dual-generator mounting. Resilient mounting.
Electric motor mounting. Rubber rib mounting.
Engine mounting. Saddle mounting.
Eraser mounting. Shock mounting.
Fifth-wheel mounting. Shockproof gauge mounting.
Floating brake shoe mounting. Slide mounting.
Front type thermostat mounting. Socket terminal mounting.
Fuse mounting. Spare tire mounting.
Gas turbine mounting. Spinner mounting.
Generator mounting. Spring plank mounting.
Grinding wheel mounting. Store front mounting.
Gun mounting. Submersible pump motor mounting.
Handle mounting. Tank-wall grenade mounting.
Harrow tooth mounting. Telescope mounting.
Headband and earphone mounting. Transformer mounting.
Instrument mounting. Truck journal box mounting.
Insulator mounting. Tube mounting.
Key mounting. Universal reproducer head mounting.
Ladder roller mounting. Vibration damping mounting.
Lamp mounting. Vibration insulating mounting.
Lawn mower handle mounting. Wheel mounting.
Load carrier mounting. Windshield mounting.
Magnetic compass mounting. Window mounting.
Mechanical mounting.
Mirror mounting.
Motor mounting.
One-piece channeled lens mounting.
Mounting a flat rim sink on a table top. J. Stanitz. 2,475,112, July 5.

- Mounting and closure fastener, Receptacle. J. K. Snell. 2,492,769, Dec. 27.
- Mounting and connector, Radio antenna. H. Z. Benton. 2,471,020, May 24.
- Mounting and control, Flaw detector. C. G. Kaehms. 2,461,984, Feb. 15.
- Mounting and driving the land rotor of agricultural or like vehicles. G. H. F. Knight. 2,473,806, June 21.
- Mounting and driving unit, Spindle. C. C. Stevens. 2,476,515, July 19.
- Mounting and latch structure therefor, Collapsible table leg. L. B. Turner. 2,487,401, Nov. 9.
- Mounting and lock, Rear wheel. J. P. Seaholm and F. W. Molander. 2,490,656, Dec. 6.
- Mounting and locking device for the wheels of aircraft, Retractable. A. E. J. Bishop. 2,471,603, May 31.
- Mounting and operating means for radio tuning units. W. A. Schaper. 2,487,385, Nov. 2.
- Mounting and the post for dogs, Combination receptacle. E. B. Atkinson. 2,484,263, Oct. 11.
- Mounting arrangement for electron discharge devices. C. H. Foulkes. 2,465,365, Mar. 29.
- Mounting assembly, Filament. V. L. Ronci. 2,488,331, Nov. 15.
- Mounting assembly, Rectifier. G. H. Pohm. 2,463,557, Mar. 8.
- Mounting bracket. J. E. Mulheim. 2,467,770, Apr. 19.
- Mounting bracket for transformers. E. J. Mackereth. 2,472,752, June 7.
- Mounting construction. C. L. Hall. 2,491,447, Dec. 13.
- Mounting device, Electrical. H. G. Johnstone. 2,471,625, May 31.
- Mounting device for draper rollers. H. D. Hume. 2,480,294, Aug. 30.
- Mounting device, Sliding window sash. H. Schwartzmann. 2,492,896, Dec. 27.
- Mounting flange, Generator. R. M. Heintz. 2,460,502, Feb. 1.
- Mounting for antifriction bearings. B. P. Strong. 2,469,483, May 10.
- Mounting for automatic pistols, Barrel. D. F. Reilly. 2,489,816, Nov. 29.
- Mounting for baby carriage tops, Adjustable. S. Weiner and S. Goldblatt. 2,483,953, Oct. 4.
- Mounting for bathroom fixtures. P. R. Hollaender. 2,479,837, Aug. 23.
- Mounting for bobbin magazines, Adjustable. R. G. Turner. 2,468,525, Apr. 26.
- Mounting for bobbin magazines, Resilient. C. P. Bergstrom. 2,490,402, Dec. 6.
- Mounting for brassieres, Detachable frame. J. Glick. 2,484,219, Oct. 11.
- Mounting for camera lens turrets, Range finder. R. Stillwell. 2,472,732, June 7.
- Mounting for curtain rods. S. Santos. 2,468,238, Apr. 26.
- Mounting for dynamoelectric machines, Brush. C. Reinker. 2,477,766, Aug. 2.
- Mounting for electric irons, Control dial. F. Busch. 2,485,955, Oct. 25.
- Mounting for electron discharge device of the high-frequency type. J. B. Atwood and B. Trevor. 2,474,026, June 21.
- Mounting for engines for aircrafts. B. W. Campbell. 2,465,790, Mar. 29.
- Mounting for field coil supports. T. S. McElrath. 2,469,661, May 10.
- Mounting for fluid containers. W. L. Davidson and H. W. Lewis. 2,458,570, Jan. 11.
- Mounting for fluid containers, Resilient. P. J. Dasher. 2,458,571, Jan. 11.
- Mounting for grading machines, Blade. A. R. Henry. 2,460,348, Feb. 1.
- Mounting for hearing aids, Microphone. G. W. Little. 2,477,698, Aug. 2.
- Mounting for hooks and the like. R. A. Stone. 2,461,936, Feb. 15.
- Mounting for hydraulic shock absorbers. J. Mercier. 2,468,939, May 3.
- Mounting for lawn mowers, Roller. G. Swahnberg. 2,490,171, Dec. 6.
- Mounting for lenses, Safety. T. F. Healy. 2,458,593-4, Jan. 11.
- Mounting for looms, Lam. E. E. Gilmore. 2,458,069, Jan. 4.
- Mounting for machine tools, Precision dial indicator. R. S. Carroll. 2,458,344, Jan. 4.
- Mounting for magnetostriuctive driving units. H. N. Hall and J. G. Woodward. 2,467,127, Apr. 12.
- Mounting for motors and the like, Resilient. C. Saurer. 2,463,059, Mar. 1.
- Mounting for outboard motor handles, Vibration dampening. G. E. Buske. 2,478,858, Aug. 9.
- Mounting for piezoelectric elements. V. E. Bottom. 2,482,828, Sept. 27.
- Mounting for propellers, Blade. C. R. Sacchini. 2,482,217, Sept. 20.
- Mounting for racing cars, Poise. E. H. Gillitzer. 2,473,519, June 21.
- Mounting for refrigerating apparatus and the like. H. O. Kirkpatrick. 2,459,946, Jan. 25.
- Mounting for rotary bearings, Rocker. R. W. Mortensen. 2,474,489, June 28.
- Mounting for rotary pumps, Bushing. H. M. Robinson. 2,465,930, Mar. 29.
- Mounting for rotary shafts. G. J. Mucher. 2,483,779, Oct. 4.
- Mounting for shafts and the like. F. C. Baker and E. G. Spencer. 2,470,282, May 17.
- Mounting for sheaves, etc. D. Firth. 2,467,819, Apr. 19.
- Mounting for soil treating units. H. C. Hettelsater. 2,482,910, Sept. 27.
- Mounting for spectacles, Safety. T. F. Healy. 2,458,592, Jan. 11.
- Mounting for spiral blading within frustoconical mixing chambers. L. G. Hilkemeier and E. G. Hahn. 2,490,215, Dec. 6.
- Mounting for stators of flywheel magnetos. A. L. Brownlee and G. F. McGrevy. 2,487,095, Nov. 8.
- Mounting for steerable wheels, Adjustable. T. Brown and G. Ickes. 2,483,619, Oct. 4.
- Mounting for tandem axles, Walking beam. G. A. Colender. 2,492,126, Dec. 20.
- Mounting for tandem springs for trucks. C. A. Wicker. 2,471,992, May 31.
- Mounting for the driving and operating mechanisms of industrial trucks. P. E. Hawkins. 2,471,429, May 31.
- Mounting for tracers. P. M. Henkes and F. Steinbrecker. 2,490,128, Dec. 6.
- Mounting for tractor track idlers, Resilient. G. E. Burks. 2,468,957, May 3.
- Mounting for typewriting or like machines, Ribbon roll. J. J. Kittel. 2,486,175, Oct. 25.
- Mounting for vehicles, Auxiliary spring. C. J. Wiley, B. H. Canady, and P. H. Brooks. 2,468,387, Apr. 26.
- Mounting for vehicles, License plate. A. G. Goldberg. 2,461,114, Feb. 8.
- Mounting having auxiliary lens connection member, Semi-rimless spectacle. E. Guillet. 2,477,125, July 26.
- Mounting having telescopically secured brace arms, Spectacle. L. L. Gagnon. 2,482,664, Sept. 20.
- Mounting in vehicle, Wheel. I. W. Simpkins. 2,474,283, June 28.
- Mounting means, Arbor. L. A. Payne. 2,478,310, Aug. 9.
- Mounting means, Clothesline. W. K. Henry. 2,464,575, Mar. 15.
- Mounting means for ironer shoes. T. Harris. 2,478,532, Aug. 9.
- Mounting means for microscope arms and the like, Pivotal. T. G. Aitcheson and A. A. Gradiser. 2,474,644, June 28.
- Mounting means for power devices. F. E. Niederhiser. 2,490,597, Dec. 6.
- Mounting means for push-type mowers. P. Turner. 2,468,313, Apr. 26.
- Mounting means for spinning rings. H. Mäder. 2,469,658, May 10.
- Mounting means for the fixed ironing element of ironing machines. H. A. Sperlich. 2,482,380, Sept. 20.
- Mounting means for the moving coils of electromechanical translating devices. H. B. Shaper. 2,478,329, Aug. 9.
- Mounting means for tilting chairs, Resilient. M. Fox. 2,463,257, Mar. 1.
- Mounting means for top charged electric furnaces, Adjustable roof. W. E. Moore. 2,472,954, June 14.
- Mounting means for vacuum tubes. F. R. Farrow, Jr. 2,462,622, Feb. 22.
- Mounting means, Vehicle wheel. V. C. Cass. 2,484,447, Oct. 11.
- Mounting means, Visor. C. W. Cochran. 2,467,294, Apr. 12.
- Mounting mechanism for dental lamps. E. H. Greppin. 2,483,699, Oct. 4.
- Mounting of cellular glass slabs. J. C. Kohl and J. A. Desmone. 2,474,363, June 28.
- Mounting of collector and free-piston gas generators. R. S. Thompson. 2,461,245, Feb. 8.
- Mounting of fan units in ventilating shafts. T. Wylle. 2,474,611, June 28.
- Mounting of filaments in vacuum tubes. C. H. Foulkes. 2,462,084, Feb. 22.
- Mounting of gramophone units. E. W. Mortimer. 2,483,295, Sept. 27.
- Mounting of jet pipes in gas-turbine or jet propulsion units. A. A. Lombard, G. Oulianoff, and R. Janes. 2,466,602, Apr. 5.
- Mounting rack. K. Singer. 2,486,764, Nov. 1.
- Mounting structure for electric discharge devices, Envelope and electrode. T. A. Elder and T. G. Crawford. 2,489,872, Nov. 29.
- Mounting system for power tubes, Adjustable. R. B. Lewthwaite and S. J. Straub. 2,468,088, Apr. 26.
- Mounting the armature of a magnetic phonograph record reproducer and recording head. R. W. Nicholls. 2,466,469, Apr. 5.
- Mounting wall and ceiling paneling. W. A. Wiegert and E. W. Dunham. 2,469,252, May 3.
- Mounting with concealed lens-carrying and nose-guard-carrying arms, Ophthalmic. F. A. Stevens. 2,457,938, Jan. 4.
- Mounting work in a holder. E. E. Stevenson. 2,463,065, Mar. 1.
- Mountings for fluid pumps. W. W. Sloane. 2,481,047, Sept. 6.
- Mouse and rat trap. T. Wilson. 2,463,839, Mar. 8.
- Mouse trap. I. A. Cook. 2,481,907, Sept. 13.
- Mousetrap. R. F. Goostrey. 2,460,417, Feb. 1.
- Mousetrap. P. Rosen. 2,475,462, July 5.
- Mouth organ. H. Bibus. 2,478,983, Aug. 16.

- Mouthpiece, Saxophone. M. Werner. 2,467,921, Apr. 19.
- Mouth-protective bit. J. L. Singer. 2,483,157, Sept. 27.
- Movable filter type suction cleaner. W. J. Daugherty. 2,484,491, Oct. 11.
- Movement for converting rotary into reciprocatory motion, Mechanical. R. J. Cochran. 2,464,214, Mar. 15.
- Movement for slush pumps, Mechanical. C. M. O'Leary. 2,460,428, Feb. 1.
- Moving apparatus, Earth. D. Baker. 2,483,033, Sept. 27.
- Moving apparatus, House. B. Adkins. 2,472,932, June 14.
- Moving apparatus, Tray. M. E. Hanson. 2,459,524, Jan. 18.
- Moving cylinder type internal-combustion engine. H. E. McCallion. 2,477,885, Aug. 2.
- Moving picture film reel. J. M. Goldberg. 2,462,261, Feb. 22.
- Moving stairway brake. G. W. Lautrup and J. N. Anderson. 2,460,017, Jan. 25.
- Mower. N. D. Colvin. 2,471,311, May 24.
- Mower. L. C. Meskimen. 2,471,073, May 24.
- Mower. V. Wright. 2,489,694, Nov. 29.
- Mower and hedge clipper, Electric lawn. L. C. and C. C. Renfro. 2,458,200, Jan. 4.
- Mower attachment, C. J. Cour. 2,476,084, July 12.
- Mower attachment for tractors. L. E. Hoyt. 2,485,383, Oct. 13.
- Mower attachment, Lawn. L. Wilkerson. 2,491,885, Dec. 20.
- Mower for use on hills. J. J. Ebenhoe. 2,483,762, Oct. 4.
- Mower guard. J. M. Leake. 2,483,212, Sept. 27.
- Mower, Push-type offset. P. Turner. 2,468,312, Apr. 26.
- Mower, Sickle. M. Roads. 2,486,209, Oct. 25.
- Mower, Tractor. W. L. Zink, B. T. Aasland, and V. O. Hauswirth. 2,490,894, Dec. 13.
- Mowing attachment for rotary soil tillers. C. W. Kelsey. 2,466,594, Apr. 5.
- Mowing attachment for tractors. A. H. Kramer. 2,466,114, Apr. 5.
- Mowing machine. T. P. McCloskey, Jr. 2,476,314, July 19.
- Mowing machine. E. Roof. 2,491,768, Dec. 20.
- Mowing machine. A. J. Synck and W. Vutz. 2,463,726, Mar. 8.
- Mowing machine. M. O. and P. E. Webb. 2,476,394, July 19.
- Mowing machine. L. J. Young. 2,488,886, Nov. 22.
- Mucking and loading machine. B. Williams. 2,490,724, Dec. 6.
- Mud mixer. J. W. Beasley and L. B. Haberle. 2,478,079, Aug. 2.
- Mud sheaths from oil wells, Removing. L. T. Monson. 2,470,830, May 24.
- Muffler. G. H. Hedrick. 2,457,890, Jan. 4.
- Muffler, Baffle type. M. F. Lathers. 2,473,103, June 14.
- Muffler for telephone bells. H. A. Kearns. 2,490,522, Dec. 6.
- Muffler, Rotatable baffle type. J. W. Jackson. 2,479,165, Aug. 16.
- Muffler, Silencing. A. Schott and G. A. Ebelshauser. 2,458,102, Jan. 4.
- Muffler with corrugated casing, Baffle type. B. G. Harley. 2,484,827, Oct. 13.
- Muffler with cutout and removable baffle. J. A. Christman. 2,492,784, Dec. 27.
- Muffler with fluid mingling, Baffle type. R. A. Necchi. 2,489,585, Nov. 29.
- Muffler with plural expansion chambers. A. L. Willas. 2,476,470, July 19.
- Muffler with plural expansion chambers, Baffle type. L. R. Bester. 2,485,555, Oct. 25.
- Muffler with plural expansion chambers, Liquid cooled. F. J. Culbert. 2,484,816, Oct. 18.
- Muffler with retrofitted flow, Baffle type. P. J. May. 2,484,521, Oct. 11.
- Muffler with valved exhaust trap. A. J. Culp. 2,486,007, Oct. 25.
- Mulling apparatus. W. F. Piper. 2,461,176, Feb. 8.
- Mulling apparatus. W. F. Piper. 2,463,556, Mar. 8.
- Mullion. C. F. Kuney, H. J. Wurst, and R. J. Serzow. 2,472,162, June 7.
- Multiac electric welding circuit. C. W. Steward. 2,479,087, Aug. 16.
- Multichamber container. L. E. Robertson. 2,469,856, May 10.
- Multicolor printing press. O. R. Wolf. 2,462,032, Feb. 15.
- Multicompartment container. J. R. Belsinger. 2,487,293, Nov. 8.
- Multicushioned gear. T. L. Fawick. 2,460,630, Feb. 1.
- Multicylinder engine. G. R. Hamel. 2,462,492, Feb. 22.
- Multicylinder hot-gas engine. F. L. Van Weenen. 2,480,525, Aug. 30.
- Multielectrode gas discharge electric sign. T. R. Welch. 2,490,182, Dec. 6.
- Multilipstick holder. N. C. Heyman. 2,476,866, July 19.
- Multinozzle adjustable attachment. F. C. Geibig. 2,492,526, Dec. 27.
- Multiple check valve. L. A. Kempton. 2,458,710, Jan. 11.
- Multiple circuit control switch. J. Imre. 2,478,923, Aug. 16.
- Multiple circuit switch. H. G. Sells. 2,471,841, May 31.
- Multiple clutch. F. L. Lavash. 2,472,750, June 7.
- Multiple-clutch mechanism. J. O. Berndtson. 2,462,457, Feb. 22.
- Multiple compartment box. W. W. Holes. 2,483,583, Oct. 4.
- Multiple crystal holder. R. J. Bitner. 2,470,133, May 17.
- Multiple deflection cathode-ray tube. P. J. Selgin. 2,489,331, Nov. 29.
- Multiple door lock. F. A. Bonenberger. 2,486,460, Nov. 1.
- Multiple frequency filter. G. R. Clark. 2,485,567, Oct. 25.
- Multiple fuse plug. W. C. Linton. 2,492,301, Dec. 27.
- Multiple hanger. M. E. Zimmermann. 2,458,820, Jan. 11.
- Multiple lamp fluorescent lamp holder. S. R. Naysmith. 2,487,467, Nov. 8.
- Multiple opposed piston propulsive engine. F. G. Prieto. 2,463,308, Mar. 1.
- Multiple position electrically operated display indicator. N. D. Preston and F. B. Hitchcock. 2,481,780, Sept. 13.
- Multiple pressure press. R. E. Campbell. 2,465,321, Mar. 22.
- Multiple purpose clip. L. S. Inman. 2,479,115, Aug. 16.
- Multiple push-button switch. S. G. Isserstedt. 2,469,650, May 10.
- Multiple selector switch. P. F. McDonald. 2,479,014, Aug. 16.
- Multiple socket wrench. C. W. Roeschke. 2,485,169, Oct. 18.
- Multiple spindle machine tool. R. A. Schafer. 2,458,740, Jan. 11.
- Multiple stage pulverizing and dehydrating tube mill. W. L. McGehee. 2,470,315, May 17.
- Multiple stage shale eduction process. P. H. Jones. 2,466,593, Apr. 5.
- Multiple stage thread advancing drier reel. T. S. Mayner. 2,465,386, Mar. 29.
- Multiple switch. F. J. Maloney. 2,473,287, June 14.
- Multiple torsion spring. E. S. Pringle. 2,481,037, Sept. 6.
- Multiple tube air heating furnace. M. H. Kuhner. 2,479,940, Aug. 23.
- Multiple tube forced-draft and air flow air heater. G. I. Carter. 2,474,090, June 21.
- Multiple valve. M. V. Groves. 2,492,280, Dec. 27.
- Multiple valve. H. M. Heuver. 2,492,149, Dec. 27.
- Multiplex photographic equipment support. J. T. Pennington. 2,461,567, Feb. 15.
- Multiplex system, Photoelectric. L. M. Potts. 2,477,821, Aug. 2.
- Multiplex system, Pulse time division. D. D. Grieg. 2,485,591, Oct. 25.
- Multiplex system, Pulse time modulated. D. D. Grieg. 2,468,059, Apr. 26.
- Multiplier for ultra-high frequencies, Electron. C. C. Larson. 2,473,031, June 14.
- Multiplier for use with dynamometers, Load range. E. S. Staples. 2,477,774, Aug. 2.
- Multiplier, Frequency. J. F. Gordon. 2,482,973, Sept. 27.
- Multiplier having an output of pulse groups, Frequency. J. F. Gordon. 2,482,974, Sept. 27.
- Multiplier, Magnetic frequency. H. M. Huge. 2,463,539, Mar. 8.
- Multiplier unit and supporting means. S. V. Forgue. 2,460,381, Feb. 1.
- Multiplier, Wide band. M. E. Hiehle. 2,478,629, Aug. 9.
- Multiply pasted end bag. E. B. Hoppe. 2,460,886, Feb. 8.
- Multiplying apparatus. A. C. Hardy and E. C. Dench. 2,461,895, Feb. 15.
- Multiplying mechanism. C. H. Doersam, Jr. 2,472,097, June 7.
- Multipole direct-current generator. A. W. Kimball and W. R. Harding. 2,484,835, Oct. 18.
- Multiposition switch. J. F. Beal. 2,462,594, Feb. 22.
- Multiposition switch. R. H. Bentley. 2,479,462, Aug. 16.
- Multipurpose electrical testing meter. A. Sadlon. 2,466,558, Apr. 5.
- Multispeed single-phase electric motor. R. F. Brennan, Jr. 2,488,658, Nov. 22.
- Multistage pump. L. L. Aspelin. 2,480,435, Aug. 30.
- Multiswitch means for optionally and selectively operating multifilament means. D. Gordon. 2,475,237, July 5.
- Multitunit electron tube. W. W. Eitel and J. A. McCullough. 2,468,433-4, Apr. 26.
- Multitunit storage cabinet. J. A. Lindsay. 2,484,894, Oct. 18.
- Multitway electric switch. E. R. Booth. 2,463,945, Mar. 8.
- Multitway liquid valve. E. A. C. Eickstaedt. 2,485,192, Oct. 18.
- Multiwire connector. J. H. Munsey. 2,486,195, Oct. 25.
- Music box. A. Pfeiffer. 2,458,875, Jan. 11.
- Music box element. I. Stein. 2,478,602, Aug. 9.
- Music sheet turner. C. Gaines. 2,474,522, June 28.
- Music stand. M. M. Garcia. 2,473,199, June 14.
- Musical eating bowl. J. P. Mahan. 2,484,414, Oct. 11.
- Musical gift box. G. B. Howe. 2,487,138, Nov. 8.
- Musical instrument. J. E. Bradley. 2,483,617, Oct. 4.
- Musical instrument. J. A. Brewer. 2,474,462, June 28.
- Musical instrument. E. R. Workman. 2,475,168, July 5.
- Musical instrument, Electrical. S. W. McKellip. 2,481,608, Sept. 13.
- Musical instrument, Electrical. S. L. Miller. 2,473,897, June 21.
- Musical instrument, Electroacoustical. C. C. Brown. 2,487,420, Nov. 8.
- Musical instrument, Electronic. G. H. Marmont. 2,480,945, Sept. 6.

- Musical instrument, Photoelectric. E. M. Jones. 2,474,847, July 5.
- Musical supporting arrangement. G. V. Kahler and E. Ruede. 2,484,411, Oct. 11.
- Musical vibration translating unit. B. Minshall. 2,462,531, Feb. 22.
- Mussel provitamin D and process. H. R. Rosenberg. 2,475,917, July 12.
- Mustard gas resistant fabric, Making. I. Pöckel. 2,481,532, Sept. 13.
- Mute for musical instruments. T. L. Fawick. 2,483,268, Sept. 27.
- Mute for stringed instruments, Practice. K. Schuh. 2,475,055, July 5.
- N-acetyl sulfguanidines, Production of. M. M. Mosnier. 2,463,793, Mar. 8.
- N-acylated derivatives of glutamic acid and preparing them. E. B. Kester. 2,463,779, Mar. 8.
- N-acylphenothiazines. P. S. Winnek and H. E. Faith. 2,461,460, Feb. 8.
- N-alkenyl lactamides. W. O. Kenyon and J. H. Van Campen. 2,490,756, Dec. 6.
- N-alkyl pyrroles, Production of. N. D. Scott. 2,488,336, Nov. 15.
- N-alkylated compounds of condensed arylpyrrols, Preparing. H. W. Grimm and H. B. Freyermuth. 2,460,745, Feb. 1.
- N-allyl derivatives of acrylic esteramides and polymers thereof. D. D. Reynolds and J. H. Van Campen. 2,458,423, Jan. 4.
- N-allyl-2-pyridone-5-carboxylic acid. L. A. Walter. 2,475,929, July 12.
- N-aralkyl-alkylamine salts of chlorophenols. G. H. Coleman. 2,464,176, Mar. 8.
- N-(beta-pyrrolidinoethyl)-phenothiazine. J. H. Hunter and W. B. Reid, Jr. 2,483,999, Oct. 4.
- N-dialkyl alkoxyphenylthamides. R. Baltzly and E. Lorz. 2,491,473, Dec. 20.
- N-di(Beta benzoyl-ethyl)-lower alkylamines, Preparing. J. T. Plati and W. Wenner. 2,489,668, Nov. 29.
- N-dimethylethanamine, Preparation of. W. F. Gresham. Re. 23,124, June 21.
- N (ethyl mercury)-p-toluene sulfonanilide as seed disinfectant. D. F. Mowery, Jr. 2,481,438, Sept. 6.
- N-(4,5-dihydroxy-n-amy) and n-(4,5-diacloxy-n-amy) aromatic amines. J. B. Dickey. 2,472,575, June 7.
- N-heterocyclic substituted guanamines. J. T. Thurston. 2,474,194, June 21.
- N-hydrocarbon 3-piperidinols. R. Paul and G. J. Roy. 2,477,937, Aug. 2.
- N-(hydroxy aryl) pyrroles as deterioration retarders. F. R. Valentine, Jr. 2,489,000, Nov. 22.
- N-methyl-l-glucosamine and acid salts thereof. F. A. Kuehl, Jr., F. H. Flynn, and K. Folkers. 2,463,885, Mar. 8.
- N-monochlorocyclohexylamine. G. Alliger. 2,459,759, Jan. 18.
- N,N'-alkyleneaniline dyes. L. G. S. Brooker and R. H. Sprague. 2,473,367, Aug. 9.
- N,N' dimethylethanamine, Preparation of. W. F. Gresham. 2,462,736, Feb. 22.
- N-(pyrrolidylalkyl)-phenothiazines. J. H. Hunter and W. B. Reid, Jr. 2,483,998, Oct. 4.
- N-substituted aromatic sulfonamide polymers. W. I. Weaver and L. M. Hobbs. 2,482,389, Sept. 20.
- N-substituted carbamates. R. Rosher. 2,492,938, Dec. 27.
- N-substituted oxacetamide compounds and insect control compositions. L. B. Kilgore. 2,484,295, Oct. 11.
- N-substituted oxacetamides. L. B. Kilgore. 2,484,296, Oct. 11.
- N-thio amine vulcanization agents for butadiene copolymers. J. F. Hand. 2,490,518, Dec. 6.
- N-2-ethyl hexyl α,α' -di-keto β,β' -(1,4- Δ^2 -cyclopentenylene)-pyrrolidine and synthesis thereof. A. A. Schreiber. 2,476,512, July 19.
- Nail driver, Round-a-corner. G. E. Stilwell. 2,475,527, July 5.
- Nail, Fracture. E. A. J. Ericsson. 2,486,136, Oct. 25.
- Nail hole punch, Asbestos shingle. W. D. Westmoreland. 2,483,796, Oct. 4.
- Nail remover. J. E. Brady. 2,477,956, Aug. 2.
- Nail set. B. W. Frevel. 2,481,304, Sept. 6.
- Nailing machine. S. Rapport. 2,482,872, Sept. 27.
- Nailing machine, Floor. D. J. Dougherty. 2,457,984, Jan. 4.
- Naphthalene and homologues from petroleum products, Recovery of. E. C. Medcalf, H. B. H. Cooper, and W. E. Sisco. 2,489,042, Nov. 22.
- Naphthenate, Production of cuprous. C. O. Hoover. 2,472,424, June 7.
- Naphthene hydrocarbons, Purification of. A. E. Hirschler. 2,480,242, Aug. 30.
- Naphthene hydrocarbons, Recovery of. A. Farkas and A. F. Stribley, Jr. 2,475,828, July 12.
- Naphthenes by azeotropic distillation, Separation of close-boiling. J. M. Stribley and G. R. Lake. 2,463,919, Mar. 8.
- Naphthenic acid production. H. Linford and W. J. Baral. 2,477,190, July 26.
- Naphthenic hydrocarbons, Purification of. A. E. Hirschler. 2,464,931, Mar. 22.
- Naphthoquinones, Making. W. M. Ziegler. 2,480,071, Aug. 23.
- Naphthyridones and preparing the same. V. A. Petrow. 2,467,692, Apr. 19.
- Napkin holder. B. A. Schroeder. 2,471,783, May 31.
- Napkin holder. H. R. Thomas. 2,474,763, June 28.
- Napping attachment for knitting machines. F. D. Oakes. 2,465,916, Mar. 29.
- Napping machine. W. N. Hadley. 2,472,584, June 7.
- Narrow ware loom. M. Hahne. 2,459,814, Jan. 25.
- Natural casings, Manufacturing of. J. Gomeck. 2,482,731, Sept. 20.
- Navigating and training apparatus, Aircraft. R. C. Dehmel. 2,485,435, Oct. 18.
- Navigation aid, Radio. I. Wolff. 2,480,068, Aug. 23.
- Navigation aiding apparatus. F. P. Best, C. D. Colchester and J. Twatt. 2,470,912, May 24.
- Navigation apparatus. W. E. Randall, Jr. 2,478,981, Aug. 16.
- Navigation apparatus for aircraft and training devices. R. C. Dehmel. 2,475,314, July 5.
- Navigation instrument. T. McConnell. 2,482,424, Sept. 20.
- Navigation receiver, Direct reading radio. J. T. McLamore, M. J. Minneman, and T. E. Dunn. 2,487,822, Nov. 15.
- Navigation system. W. G. Abraham. 2,489,248, Nov. 29.
- Navigation system. P. G. Hansel. 2,490,050, Dec. 6.
- Navigation system. W. J. O'Brien. 2,462,764, Feb. 22.
- Navigation system. W. J. O'Brien. 2,480,875, Sept. 6.
- Navigation system, Air. H. G. Busignies. 2,463,474, Mar. 1.
- Navigation system, Radio. H. G. Busignies. 2,463,476, Mar. 1.
- Navigation system, Radio. T. M. Ferrill, Jr. 2,484,819, Oct. 18.
- Navigation system, Radio. E. C. Streeter, Jr. 2,472,129, June 7.
- Navigational apparatus. J. H. Bollman, F. A. Brooks, and J. G. Kreer, Jr. 2,488,371, Nov. 15.
- Navigational method and apparatus. S. A. Scherbatskoy. 2,477,145, July 26.
- Navigational method and system, Blind. R. J. Kircher. 2,487,759, Nov. 8.
- Navigational system. L. G. Duggar. 2,462,077, Feb. 22.
- Navigational system. L. G. Duggar. 2,482,105, Sept. 20.
- Navigator, Automatic. R. F. Rusch and J. F. Payne. 2,485,663, Oct. 25.
- Nebulizer. S. N. Blackman and H. Rosenblum. 2,485,184, Oct. 18.
- Nebulizer. J. B. Schmitt. 2,488,988, Nov. 22.
- Neck straightening device for musical instruments. W. W. Nelson. 2,460,943, Feb. 8.
- Necktie. S. Reiner. 2,484,388, Oct. 11.
- Necktie. M. Sveda. 2,478,604, Aug. 9.
- Necktie. A. F. Taborski. 2,461,854, Feb. 15.
- Necktie. A. F. Taborski. 2,478,952, Aug. 16.
- Necktie. A. Thompson. 2,481,367, Sept. 6.
- Necktie. W. H. VeRelle. 2,465,947, Mar. 29.
- Necktie. W. H. White. 2,463,230, Mar. 1.
- Necktie and collar combination. R. Y. Bovee. 2,470,973, May 24.
- Necktie and making it, Four-in-hand. I. A. Gamer. 2,465,584, Mar. 29.
- Necktie construction. M. M. Newman. 2,484,182, Oct. 11.
- Necktie, Four-in-hand. M. Schwartz. 2,463,320, Mar. 1.
- Necktie holder. L. L. Billingsley. 2,479,463, Aug. 16.
- Necktie holder. S. A. Johnson. 2,460,089, Jan. 25.
- Necktie holder or rack. S. Herschkowitz. 2,476,091, July 12.
- Necktie holder or rack. D. B. Kauffman. 2,482,003, Sept. 13.
- Necktie ironing board. O. M. Smith. 2,487,486, Nov. 8.
- Necktie, Novelty. A. F. Taborski. 2,466,131, Apr. 5.
- Necktie, Preformed. A. F. Taborski. 2,492,902, Dec. 27.
- Necktie rack. W. R. Kohl and A. L. Iverson. 2,492,226, Dec. 27.
- Necktie rack. L. Kovacs. 2,473,029, June 14.
- Necktie rack. F. Reiss. 2,471,349, May 24.
- Needle and thimble holder. R. L. Chiarizia. 2,460,678, Feb. 1.
- Needle, Circular knitting. V. M. Delaney. 2,462,473, Feb. 22.
- Needle for making knitted fabrics and reknitting them. E. Lalanne and P. Grandjean. 2,482,919, Sept. 27.
- Needle for sewing braided rugs. A. F. Smylie. 2,472,990, June 14.
- Needle, Helper. C. E. Fuller. 2,463,258, Mar. 1.
- Needle, Hypodermic. K. S. Tydings and H. M. Tash. 2,489,600, Nov. 29.
- Needle, Knitting. E. Birmingham. 2,464,483, Mar. 15.
- Needle, Knitting. G. H. Maker and S. S. Harris. 2,486,184, Oct. 25.
- Needle, Larding and seasoning. A. S. Bettencourt. 2,473,191, June 14.
- Needle mechanism for Axminster looms, Weft laying. H. A. Whitin. 2,477,357, July 26.
- Needle, Phonograph. W. H. Hutter. 2,473,374, June 14.
- Needle protector for knitting machines, Retractable electric. E. Vossen. 2,481,632, Sept. 13.
- Needle sharpener, Phonograph. P. J. Gaylor. 2,465,442, Mar. 29.
- Needle, Surgical. H. G. Bliss. 2,479,464, Aug. 16.
- Needle threader, Sewing machine. C. U. Olson. 2,483,595, Oct. 4.

- Negative, Dry developing. S. C. Slifkin. 2,459,136, Jan. 11.
- Negative feedback amplifying circuit. N. D. Webster. 2,488,357, Nov. 15.
- Negative glow lamp. D. E. Elmendorf. 2,459,511, Jan. 18.
- Negative resistance devices, Point contact. R. S. Ohl. 2,469,569, May 10.
- Negative transconductance electrical discharge tube. J. F. Visscher. 2,470,732, May 17.
- Neon-type sign. W. J. Browner. 2,488,169, Nov. 15.
- Nested cylinder cooler. W. L. Morrison. 2,484,307, Oct. 11.
- Net. H. V. Robinson. 2,457,922, Jan. 4.
- Net-carrying structure, Collapsible. D. E. Bell. 2,491,703, Dec. 20.
- Net, Fish landing. G. R. Oathout. 2,482,718, Sept. 20.
- Net, Fishing. A. Jacobsen. 2,470,621, May 17.
- Net, Landing. L. A. Dailey. 2,472,572, June 7.
- Net, Landing. C. M. Kincannon. 2,471,273, May 24.
- Network, Contact protection. A. M. Curtis. 2,476,843, July 19.
- Network, Contact protective. A. M. Curtis. 2,476,842, July 19.
- Network, Current integrating. W. R. Baker. 2,487,510, Nov. 8.
- Network, Electrical contact protection. R. C. Mathes. 2,470,825, May 24.
- Network for carbon pile voltage regulators, Stabilizing. E. R. Davis. 2,464,439, Mar. 15.
- Network for forming and shaping electrical waves, Electrical. A. D. Blumlein. 2,465,840, Mar. 29.
- Network for push-pull amplifiers, Tunable coupling. J. A. Redmond. 2,467,778, Apr. 19.
- Network, Phase-sequence voltage. W. K. Sonnemann. 2,470,661, May 17.
- Network, Radio frequency power division. G. H. Brown and D. W. Peterson. 2,465,843, Mar. 29.
- Network, Smoothing. H. W. Bode. 2,492,351, Dec. 27.
- Network, Split channel direct-current insertion. A. V. Bedford. 2,463,735, Mar. 8.
- Network system, Centercasting. A. N. Goldsmith. 2,465,976, Mar. 29.
- Network, Transformer. R. G. Stephenson and W. M. Bush. 2,461,091, Feb. 8.
- Network, Trigger. H. R. Summerhayes, Jr. 2,459,852, Jan. 25.
- Neutralization of electrostatic charges in electron-optical instruments. R. G. Picard. 2,467,224, Apr. 12.
- Neutralized cathode-ray deflection tube. P. J. Selgin. 2,489,330, Nov. 29.
- Neutralizing peroxide catalyst in styrene emulsion polymerization. R. I. Dunlap. 2,489,959, Nov. 29.
- Neutralizing system and method. H. E. Weaver. 2,466,629, Apr. 5.
- Neutralizing winding for dynamo-electric machines. E. C. Whitney and R. Erhard. 2,484,261, Oct. 11.
- Neutrodyning for short waves. G. Ahier and E. Touraton. 2,471,401, May 31.
- Neutrons, Method and apparatus for producing. W. W. Salisbury. 2,489,436, Nov. 29.
- New derivatives of pyridine-3-carboxylic acid, Production of. H. Suter. 2,483,250, Sept. 27.
- Newspaper rack. R. L. Laird. 2,491,615, Dec. 20.
- Newspaper trap. G. E. Cummins. 2,485,707, Oct. 25.
- Nickel base alloy. G. A. Baker and J. A. Parsons. 2,467,288, Apr. 12.
- Nickel-containing ores, Treatment of. P. E. Queneau, J. H. Boriand, and L. S. Renzoni. 2,478,942, Aug. 16.
- Nickel from an acid bath, Electrodeposition of. H. Brown. 2,466,677, Apr. 12.
- Nickel-iron alloys adapted for springs in thermocompensated oscillating systems. R. Straumann. 2,466,285, Apr. 5.
- Nickel-manganese-silver alloy. K. R. Whitcomb. 2,467,544, Apr. 19.
- Nickel powder from printing press plates and the like, Producing. A. E. Lundbye. 2,463,190, Mar. 1.
- Nickel, Production of malleable and annealable. A. M. Gronningsaeter. 2,478,189, Aug. 9.
- Nicotine and beta-beta-dichlorethyl ether insecticide. O. T. Coffin and D. J. Raden. 2,459,138, Jan. 18.
- Nicotine-heavy metal silicates, Production of. F. E. Dearborn. 2,466,157, Apr. 5.
- Nicotine silicates, Production of heavy metal. F. E. Dearborn. 2,469,868, May 10.
- Nicotine silicates, Production of water repellent heavy metal. F. E. Dearborn. 2,469,869, May 10.
- Nicotinic acid amide and preparing same. B. F. Duesel and H. L. Friedman. 2,471,518, May 31.
- Nicotinium salts and their production. C. F. Woodward and L. Weil. 2,463,666, Mar. 8.
- Nicotinonitrile, Preparation of. M. L. Crossley, V. L. King, E. H. Northey, and T. F. Scholz. 2,491,253, Dec. 13.
- Nicotinyl fluosilicate, Manufacture of zinc. P. L. de Benneville. 2,490,706, Dec. 6.
- Nicotinyl fluosilicates, Heavy metal. J. H. Pearson and H. D. Segool. 2,490,705, Dec. 6.
- 9-Anilinoacridine, Derivatives of. E. C. Britton and G. H. Coleman. 2,464,171, Mar. 8.
- Nipple and cap for baby nursing bottles. D. Stoller. 2,471,172, May 24.
- Nipple assembly. R. O. Monroe. 2,477,762, Aug. 2.
- Nitramines. A. T. Blomquist and F. T. Fiedorek. 2,485,855, Oct. 25.
- Nitramines and their preparation. G. F. Wright and W. J. Chute. 2,461,582, Feb. 15.
- Nitrated products of dehydrated pentaerythritol. J. A. Wyler. 2,465,776, Mar. 29.
- Nitrating furan derivatives. W. Kimel, J. H. Coleman, and W. B. Stillman. 2,490,006, Nov. 29.
- Nitrating olefins. C. S. Coe and T. F. Doumani. 2,478,243, Aug. 9.
- Nitration of paraffins. E. M. Nygaard, W. I. Denton, and E. B. Bishop. 2,489,320, Nov. 29.
- Nitratoalkyl nitramines, Preparation of. A. T. Blomquist and F. T. Fiedorek. 2,481,283, Sept. 6.
- Nitric acid concentration. A. P. Beardsley. 2,463,453, Mar. 1.
- Nitric acid, Manufacture of. W. E. Watson and J. W. Glenn. 2,486,083, Oct. 25.
- Nitriles and amines from ammonia and olefins, Production of. J. W. Teter. 2,479,879, Aug. 23.
- Nitriles and preparing the same, Sulfurized. S. E. Jolly. 2,490,271, Dec. 6.
- Nitriles, Complex. F. J. Glavis. 2,480,077, Aug. 23.
- Nitriles, Manufacture of. R. B. Bishop and W. I. Denton. 2,487,299, Nov. 8.
- Nitriles, Manufacture of. P. Oxley, T. D. Robson, A. Koebner, and W. F. Short. 2,461,437, Feb. 8.
- Nitriles of dicarboxylic acids, Preparing. H. J. Hagemeyer, Jr. 2,458,373, Jan. 4.
- Nitriles, Preparation of unsaturated. W. A. Schulze and J. E. Mahan. 2,464,723, Mar. 15.
- Nitriles, Producing. M. J. Fahrenbach. 2,459,128, Jan. 11.
- Nitriles, Production of. W. I. Denton and R. B. Bishop. 2,463,456-7, Mar. 1.
- Nitriles, Production of. H. A. Dutcher and I. L. Wolk. 2,467,373, Apr. 19.
- Nitriles, Production of. M. Erchak, Jr. 2,486,934, Nov. 1.
- Nitriles, Production of. M. M. Marisic, W. I. Denton, and R. B. Bishop. 2,463,466, Mar. 1.
- Nitriles, Production of. J. W. Teter. 2,468,522, Apr. 26.
- Nitriles, Production of aromatic. W. I. Denton and R. B. Bishop. 2,478,464, Aug. 9.
- Nitriles, Purifying. A. W. Ralston, L. T. Crews, and E. W. Colt. Re. 23,084, Feb. 15.
- Nitriles, Separation of. R. B. Bishop. 2,487,300, Nov. 8.
- Nitriles, Separation of. R. B. Bishop and W. I. Denton. 2,487,298, Nov. 8.
- Nitriles with amides and the production of beta-alamine, Condensation of. J. F. Olin. 2,461,842, Feb. 15.
- Nitrite salts of organic nitrogen bases. A. Wachter and N. Stillman. 2,484,395, Oct. 11.
- Nitro compounds, Manufacture of organic. A. E. W. Smith, C. W. Scaife, and H. Baldock. 2,472,550, June 7.
- Nitro group replacement process. H. B. Hass and L. A. Gillette. 2,486,023, Oct. 25.
- Nitroalcohol modified aminoplasts. M. J. Scott. 2,484,315, Oct. 11.
- Nitroalkane sulfonates, Preparing. M. H. Gold and L. J. Druker. 2,477,870, Aug. 2.
- Nitro alkane sulfonyl chlorides. M. H. Gold and L. J. Druker. 2,467,028, Apr. 12.
- Nitroalkyl substituted heterocyclic compounds and preparing them. M. Senkus. 2,474,791, June 28.
- Nitroalkyl sulfites and preparing them. S. P. Lingo. 2,471,274, May 24.
- Nitroamides of aromatic acids. H. G. Johnson. 2,491,924, Dec. 20.
- Nitro amines and preparing them. M. Senkus. 2,465,958, Mar. 29.
- Nitro amines and preparing them. M. Senkus. 2,479,873, Aug. 23.
- Nitroaminobenzene ester compounds. J. G. McNally and J. B. Dickey. 2,469,695, May 10.
- Nitrocellulose, Stabilization of. R. E. Reeves and J. E. Giddens. 2,471,583, May 31.
- Nitrocellulose subbing composition for polyvinyl resin film supports. R. P. Easton. 2,483,966, Oct. 4.
- Nitrodiphenylamine compounds containing a di-substituted sulfamyl group. J. B. Dickey and J. G. McNally. 2,466,011, Apr. 5.
- Nitrodiphenylamine compounds containing a sulfamyl group. J. B. Dickey and J. G. McNally. 2,466,010, Apr. 5.
- Nitroethylpyridines. F. E. Cislak and L. H. Sutherland. 2,490,672, Dec. 6.
- Nitrogen-containing compounds, Manufacture of. G. D. Buckley and N. H. Ray. 2,479,205, Aug. 16.
- Nitrogen dioxide, Production of. J. F. Haller. 2,483,199, Sept. 27.
- Nitrogen oxide in an electrical discharge apparatus, Producing. W. J. Cotton. 2,485,477, Oct. 18.
- Nitrogen oxide, Producing. W. J. Cotton. 2,485,476, Oct. 18.
- Nitrogen purification process. A. S. Newton. 2,487,360, Nov. 8.
- Nitromethane from aqueous alcoholic mixtures thereof, Recovery of. J. B. Tindall. 2,465,959, Mar. 29.
- Nitro olefins, Production of. C. W. Scaife, A. E. W. Smith, and H. Baldock. 2,460,243, Jan. 25.
- Nitroparaffin solvent process for making olefin nitroschlorides. C. Bordenca and W. A. Lazier. 2,485,185, Oct. 18.

- Nitroparaffins, Production of. K. W. Gee. 2,464,572, Mar. 15.
- Nitrophenols, Reduction of. B. G. Zimmerman. 2,464,194, Mar. 8.
- Nitrophenyl acyl amido alkane diols. H. M. Crooks, Jr., M. C. Rebstock, J. Controulis, and Q. R. Bartz. 2,483,885, Oct. 4.
- Nitrophenyl acylamido alkane diols, Making. H. M. Crooks, Jr., M. C. Rebstock, J. Controulis, and Q. R. Bartz. 2,483,884, Oct. 4.
- Nitrophenyloxypolyalkoxyalkyl ether and a composition of it and a plasticizable organic substance. G. L. Doelling and K. H. Adams. 2,485,712, Oct. 25.
- Nitro sulfonates from beta-nitro alkanols. M. H. Gold and L. J. Druker. 2,477,869, Aug. 2.
- Noisemaking device. D. M. Wolf. 2,459,300, Jan. 18.
- Noncaking composition. C. S. King. 2,468,448, Apr. 26.
- Noncatalytic halogenation of certain alkylated acrylonitriles. G. W. Hearne, D. S. La France, and T. W. Evans. 2,466,641, Apr. 5.
- Noncontacting thickness gauge. C. W. Clapp. 2,467,812, Apr. 19.
- Noncontacting thickness gauge. C. W. Clapp. 2,488,269, Nov. 15.
- Noncorrodible valve. R. F. Goecke. 2,469,109, May 3.
- Nonextrudable safety lock. R. Rocha. 2,469,610, May 10.
- Nondusting compositions containing stabilized diazo compounds. H. A. Bergstrom. 2,477,165, July 26.
- Nonfouling breech sealing ring. S. W. Swipp. 2,468,134, Apr. 26.
- Nonintermittent motion-picture apparatus. B. E. Luboshez. 2,464,139, Mar. 8.
- Nonintermittent taking or projection of motion pictures. B. E. Luboshez. 2,464,138, Mar. 8.
- Nonmagnetic sleeved electric motor. A. F. Puchstein. 2,492,317, Dec. 27.
- Nonmetallic sheath cable connector. G. T. Evans. 2,479,223, Aug. 16.
- Nonrepeat means for calculating machines. H. Gang. 2,470,300, May 17.
- Nonsiphoning trap. F. M. Dressel. 2,468,360, Apr. 26.
- Nonskid device for automobiles. C. H. Welch. 2,462,584, Feb. 22.
- Nonskid tire chain. F. G. Fox. 2,462,378, Feb. 22.
- Nonslip rug pad. M. Newman. 2,485,307, Oct. 18.
- Nonspill battery plug. L. Goldberg. 2,480,850, Sept. 6.
- Nonstick roll contact for contact relays, circuit breakers, thermostats, and the like. C. W. Johnson. 2,485,532, Oct. 18.
- Nonsulfide ores, Concentration of. K. F. Schilling. 2,459,966-7, Jan. 25.
- Nonwelding contact, Metal-backed. H. L. Mekelburg. 2,468,888, May 3.
- Normalizing coiled springs by a high-frequency magnetic field. J. L. Calley. 2,490,206, Dec. 6.
- Nornicotine, Preparation of. P. G. Haines, A. Eisner, and C. F. Woodward. 2,459,696, Jan. 18.
- Nose clip. J. Browne. 2,488,616, Nov. 22.
- Nose gear tow bar. T. S. Holmes. 2,468,669, Apr. 26.
- Notching device, Page. F. W. Muth. 2,473,604, June 21.
- Notching machine. G. H. Norquist. 2,482,121-2, Sept. 20.
- Novel picture hot plate, Child's. E. Rubin. 2,485,922, Oct. 25.
- Novel process for soap purifying. F. L. Lachamp. 2,485,204, Oct. 18.
- Novel products from whey, Making. R. E. Meade and P. D. Clary, Jr. 2,465,906, Mar. 29.
- Novelty, Double-cut educational. L. H. Fireng. 2,460,169, Jan. 25.
- Novelty, Hosiery. S. Bailey, Jr. 2,477,036, July 26.
- Novelty, Illuminable. A. G. Sharp. 2,483,107, Sept. 27.
- Nozzle. F. Boehm. 2,473,674, June 21.
- Nozzle. J. B. D'Angelo. 2,470,293, May 17.
- Nozzle. F. W. Funke. 2,475,702, July 12.
- Nozzle. A. S. Peterson and C. K. Johnson. 2,470,519, May 17.
- Nozzle, Adjustable discharge port spray. T. M. De La Garde. 2,476,440, July 19.
- Nozzle adjustment for suction cleaners, Semiautomatic. H. B. White. 2,474,448, June 28.
- Nozzle and adjustable spray deflector. L. E. Boudreaux and W. L. Fore. 2,489,952, Nov. 29.
- Nozzle and floor brush, Combination rug. R. L. Hallock. 2,488,625, Nov. 22.
- Nozzle and tip for burning and welding torches. A. K. Hinchman. 2,474,673, June 28.
- Nozzle construction. A. B. Guise. 2,484,942, Oct. 18.
- Nozzle, Dispensing. O. E. Miller. 2,492,365, Dec. 27.
- Nozzle, Dispensing. F. C. Picot. 2,482,867, Sept. 27.
- Nozzle for jet-propelled aircraft, Steering. F. S. Kramer. 2,472,839, June 14.
- Nozzle for regenerative underjet coke ovens, Ceramic. W. C. Rueckel. 2,470,112, May 17.
- Nozzle for spraying dry chemicals. A. B. Guise and T. W. Johnson. 2,484,943, Oct. 18.
- Nozzle for supersonic wind tunnels, Flexible. J. O. Jackson. 2,472,949, June 14.
- Nozzle height adjustment arrangement for suction cleaners. G. R. Coss. 2,485,363, Oct. 18.
- Nozzle holder. J. C. Allen. 2,464,958, Mar. 22.
- Nozzle, Liquid-cooled discharge. R. H. Goddard. 2,492,569, Dec. 27.
- Nozzle, Liquid fuel. E. A. Watson. 2,483,951, Oct. 4.
- Nozzle, Liquid fuel burner. E. J. Senninger. 2,489,823, Nov. 29.
- Nozzle means for power plants, Variable area propulsive. N. C. Price. 2,487,588, Nov. 8.
- Nozzle, Mixing. R. M. Doull. 2,473,415, June 14.
- Nozzle, Positive shutoff dispensing. C. B. Graham and V. D. Carver. 2,489,028, Nov. 22.
- Nozzle process for making butyl rubber. J. D. Calfee, R. M. Thomas, and P. J. Flory. 2,491,710, Dec. 20.
- Nozzle ring construction for turbo-power plants. N. C. Price. 2,468,461, Apr. 26.
- Nozzle, Spray. E. H. Lederer. 2,486,297, Oct. 25.
- Nozzle, Spray. D. J. Peeps. 2,466,182, Apr. 5.
- Nozzle, Spray. C. C. Sciuto. 2,474,332, June 28.
- Nozzle, Spray gun. H. W. Beach, Jr. 2,475,000, July 5.
- Nozzle, Spray gun. D. J. Peeps. 2,479,507, Aug. 16.
- Nozzle, Sprayer. J. Zielinski. 2,473,933, June 21.
- Nozzle, Suction. A. A. Forsberg. 2,492,627, Dec. 27.
- Nozzle, Valved. H. Lamb. 2,492,873, Dec. 27.
- Nozzle, Variable jet. S. Neal. 2,481,330, Sept. 6.
- N-phenylacetylated amino alcohols and ethers. O. K. Behrens, R. G. Jones, and J. W. Corse. 2,463,942, Mar. 8.
- N-substituted amides of 2-hydroxy-3-naphthoic acids. H. P. Orem, F. H. Adams, and J. P. Goulding. 2,465,979, Mar. 29.
- N-(2-phenylacetoxyethyl)-phenylacetamide. O. K. Behrens, R. G. Jones, and J. W. Corse. 2,463,940, Mar. 8.
- Nuclear halogenated alkenyl-benzene compounds, Manufacture of. J. L. Amos and F. J. Soderquist. 2,486,379, Nov. 1.
- Nuclear sulfonation products of fatty acid esters of hydroquinone hydroxy alkyl ethers and their salts. J. R. Caldwell. 2,478,368, Aug. 9.
- Nugget saver for dredges. R. E. Gruber. 2,489,635, Nov. 29.
- Nursing bottle holder. L. D. Bailey. 2,457,972, Jan. 4.
- Nursing bottle holder. M. A. Cassile. 2,490,207, Dec. 6.
- Nursing bottle holder. R. C. Charbeneau. 2,469,859, May 10.
- Nursing bottle holder. M. A. Fisher. 2,465,015, Mar. 22.
- Nursing bottle holder. H. B. Flickinger. 2,459,514, Jan. 18.
- Nursing bottle holder. O. H. Fritz. 2,465,219, Mar. 22.
- Nursing bottle holder. M. A. Helixon. 2,462,187, Feb. 22.
- Nursing bottle holder. R. V. Neilson. 2,481,773, Sept. 13.
- Nursing bottle holder. W. D. Reynolds. 2,490,158, Dec. 6.
- Nursing bottle, Insulated. T. Bailey. 2,483,870, Oct. 4.
- Nursing bottle warmer, Electric. L. H. Morrill. 2,483,979, Oct. 4.
- Nursing unit. A. M. Allen and M. L. Van Evera. 2,460,329, Feb. 1.
- Nursing unit. W. G. Canham, A. H. Ostrin, and L. Borstein. 2,467,463, Apr. 19.
- Nut, Actuator. L. Ochman. 2,479,019, Aug. 16.
- Nut and lead screw, Antifriction. R. C. Stolpe. 2,478,510, Aug. 9.
- Nut breaking tool. H. Persson. 2,482,025, Sept. 13.
- Nutcracker. D. H. Murph. 2,474,591, June 28.
- Nutcracker. W. Venton. 2,491,628, Dec. 20.
- Nutcracker automatically adjusted to crack nuts of various sizes. J. E. Lisbon. 2,464,983, Mar. 22.
- Nutcracker with adjustable spacer cam. J. A. Scaparro. 2,481,447, Sept. 6.
- Nut cracker with rack and pawl adjusting means. S. Bloomfield. 2,490,615, Dec. 6.
- Nut cracking machine, Centerless rotary drum. R. C. Barrett and A. A. Vaira. 2,477,227, July 26.
- Nut lock. A. H. Devlyn. 2,481,828, Sept. 13.
- Nut meats. R. H. Neal, H. W. Vahlteich, and C. M. Gooding. 2,485,636, Oct. 25.
- Nut of general applications, Self-locking. H. Noyes. 2,487,059, Nov. 8.
- Nut or bolt lock. J. F. Kendrick. 2,460,131, Jan. 25.
- Nut, quick action. R. E. Beswick. 2,489,613, Nov. 29.
- Nut, Release. J. Alfonso. 2,491,543, Dec. 20.
- Nut, Seal. J. E. Johanson and W. A. Yonkers. 2,462,023, Feb. 15.
- Nut, Self-locking. J. W. Butler. 2,487,219, Nov. 8.
- Nut, Self-locking. D. B. Cox. 2,490,728, Dec. 6.
- Nut, Self-locking. M. Hattan. 2,464,808, Mar. 22.
- Nutating mechanism. J. I. Herzlinger. 2,464,394, Mar. 15.
- Nuts and making the same, Salted. W. W. Kelly. 2,468,078, Apr. 26.
- Nylon and other yarns, Treatment of. P. Alexander, H. Burrows, and P. D. Smith. 2,485,230, Oct. 18.
- O-alkoxybenzoyl derivatives of 4,4'-diaminostilbene-2,2'-disulfonic acid. D. E. Eberhart, H. Z. Lecher, and M. Scaleria. 2,468,431, Apr. 26.
- Oarlock. K. E. F. Olsson. 2,482,432, Sept. 20.
- Oarlock. F. F. Turner. 2,489,063, Nov. 22.
- Oarlock and well bracket, Combined. E. S. Preston. 2,484,958, Oct. 18.
- Oarlock extension. M. W. Areaux. 2,459,355, Jan. 18.
- Oarlock, Portable. S. A. Black. 2,461,256, Feb. 8.
- Oar or paddle. J. E. Grierson. 2,492,918, Dec. 27.
- Oar protector. G. H. Stierling. 2,461,092, Feb. 8.
- Oar, Reversible. R. C. Moeller. 2,473,440, June 14.
- Oat fraction, Processed. S. Musher. 2,466,261, Apr. 5.
- Oats to produce a stabilizing material, Comminuting. S. Musher. 2,466,260, Apr. 5.

- Object detecting and indicating device. F. W. Lyle. 2,473,893, June 21.
- Objective for microcopying cameras, Four-component. F. E. Altman. 2,475,938, July 12.
- Observation apparatus without wire changeovers. B. J. Kucera. 2,485,748, Oct. 25.
- Obtaining a crystalline sodium penicillin. O. Wintersteiner and M. Adler. 2,485,227, Oct. 18.
- Obtaining concentrates of uranium and vanadium from their ores. R. D. Nye and D. J. Demorest. 2,471,345, May 24.
- Obtaining decorative crackle finishes. L. Pritzker. 2,467,228, Apr. 12.
- Obtaining enlarged images. D. Gabor. 2,492,738, Dec. 27.
- Obtaining fat-soluble vitamin-containing materials in oil. C. J. Kern and J. M. Tabor. 2,470,703, May 17.
- Obtaining insulin from pancreas. D. A. Scott and A. M. Fisher. 2,466,487, Apr. 5.
- Obtaining metals, oxides, and salts, from bituminous shale. P. G. Brundell and S. H. Tjernström. 2,468,654, Apr. 26.
- Obtaining natural worm-eaten art wood. H. Reitz. 2,489,386, Nov. 29.
- Obtaining predetermined physical constitution in iron. H. A. Reece. 2,467,406, Apr. 19.
- Obtaining the subtitles of kinematograph films. N. Kagansky. 2,490,442, Dec. 6.
- Obturing firing pin. S. Weiss and E. C. Roberts. 2,480,100, Aug. 23.
- Obviating cylinder wear in engines and the like. A. T. Elants. 2,470,809, May 24.
- Ocarina. W. W. Gretsche. 2,460,931, Feb. 8.
- Occupancy detecting means for conveyances. W. D. Hailes. 2,488,815, Nov. 22.
- Octahydrophenanthrene hydroxy lactone and derivatives thereof. R. P. Jacobsen and G. Pincus. 2,480,246, Aug. 30.
- Offset, Projectile. C. W. Wandrey. 2,475,730, July 12.
- Oil acid modified alkyd material, Preparing. C. G. Moore. 2,459,176, Jan. 18.
- Oil acid modified alkyd material, Preparing. C. G. Moore. 2,461,564, Feb. 15.
- Oil addend. F. M. Watkins. 2,470,276, May 17.
- Oil additive, Lubricating. J. D. Bartleson. 2,476,271, July 19.
- Oil and by-products from alcoholic solutions of oleaginous materials, Recovery of. A. C. Beckel and P. A. Belter. 2,469,147, May 3.
- Oil and oily substances from solid or water surfaces, Removing. I. Baker. 2,464,204, Mar. 15.
- Oil applying apparatus for strip material. J. N. Savastone. 2,492,539, Dec. 27.
- Oil barrel gauge. L. K. Courcier. 2,475,080, July 5.
- Oil base drilling fluid. E. S. Self. 2,461,483, Feb. 8.
- Oil base, Soluble cutting. A. J. Morway and J. C. Zimmer. 2,469,741, May 10.
- Oil burner. E. and W. R. Camerino. 2,478,457, Aug. 9.
- Oil burner. B. K. Danielsson and L. A. Widing. 2,471,025, May 24.
- Oil burner. C. J. Harrah. 2,466,100, Apr. 5.
- Oil burner. C. H. Hillringhouse. 2,489,031, Nov. 22.
- Oil burner. J. A. Logan. 2,469,271, May 3.
- Oil burner. P. K. Russell. 2,482,215, Sept. 20.
- Oil burner and pilot means therefor, Pot type. M. D. Huston. 2,474,530, June 28.
- Oil burner having air admission and fuel vaporization means. H. C. Little. 2,473,653, June 21.
- Oil burner with a circumferential vaporizing chamber, Pot type. E. H. Stempel and M. Nelson. 2,466,563, Apr. 5.
- Oil burner with fluid atomizing means, Mechanical. C. W. Gibson. 2,489,217, Nov. 22.
- Oil, Burning. T. Nagel. 2,472,720, June 7.
- Oil-burning heater. O. C. Griewank. 2,480,728, Aug. 30.
- Oil by-pass structure to avoid smoking of oil burners. J. A. Logan. 2,461,991, Feb. 15.
- Oil can. C. H. Leonard. 2,465,023, Mar. 22.
- Oilcan with drip catcher having a weight operated return valve. M. E. Blake and R. A. Gartman. 2,459,215, Jan. 18.
- Oil changer, Portable. J. D. Gray. 2,477,450, July 26.
- Oil cleaner. H. Kennison and R. I. Peterson. 2,465,021, Mar. 22.
- Oil composition, Lubricating. H. C. Evans and D. W. Young. 2,492,789, Dec. 27.
- Oil composition, Lubricating. E. Lieber and A. F. Cashman. 2,468,501, Apr. 26.
- Oil composition, Lubricating. J. G. McNab and J. H. Bartlett. 2,460,025, Jan. 25.
- Oil composition, Lubricating. R. Stern. 2,466,647, Apr. 5.
- Oil composition, Lubricating. F. M. Watkins. 2,467,713, Apr. 19.
- Oil composition, Penetrating. J. C. Zimmer and A. Beerbower. 2,467,178, Apr. 12.
- Oil compositions. A. J. Revukas. 2,486,493, Nov. 1.
- Oil compositions. A. J. Revukas. 2,489,671, Nov. 29.
- Oil compositions. A. G. Rocchini. 2,458,425, Jan. 4.
- Oil compositions and improvement agents therefor, Lubricating. H. G. Smith and T. L. Cantrell. 2,475,727, July 12.
- Oil compositions, Lubricating. A. G. Rocchini. 2,469,003, May 3.
- Oil compositions, Lubricating. J. L. van der Minne. 2,472,503, June 7.
- Oil compositions, making the same, and coating and uniting sheet materials therewith, Modified drying. L. R. Whiting. 2,480,206, Aug. 30.
- Oil conditioner, Lubricating. R. M. Dilworth. 2,476,405, July 19.
- Oil containing an anti-oxidant, Lubricating. L. T. Eby and L. A. Mikeska. 2,462,616, Feb. 22.
- Oil containing lecithin, Insecticidal spray. M. J. Burkhard. 2,465,335, Mar. 29.
- Oil cooler. W. R. Ramsaur. 2,474,689, June 28.
- Oil cooler. E. C. Warriek and H. Cruzan. 2,470,667, May 17.
- Oil cooler and valve mechanism, Combination. J. C. Shaw. 2,468,519, Apr. 26.
- Oil cooler tube. A. B. Arnold. 2,488,615, Nov. 22.
- Oil cooling means, Internal-combustion engine. J. M. Davies. 2,474,518, June 28.
- Oil cracking, Catalytic. E. V. Mathy. 2,480,494, Aug. 30.
- Oil, Crankcase conditioning. C. N. Watson. 2,481,268, Sept. 6.
- Oil dewaxing, Hydrocarbon. G. H. Evans. 2,486,014, Oct. 25.
- Oil distributing apparatus. D. B. Baker. 2,467,722, Apr. 19.
- Oil distributing system. L. G. Parker. 2,458,294, Jan. 4.
- Oil engine. H. L. Morris. 2,488,874, Nov. 22.
- Oil filter. G. S. Campbell. 2,462,943, Mar. 1.
- Oil filter. W. A. Horthy. 2,491,180, Dec. 13.
- Oil filter. H. G. Kamrath. 2,464,870, Mar. 22.
- Oil filter. H. G. Kamrath. 2,478,109, Aug. 2.
- Oil filter. W. J. Kolman. 2,460,888, Feb. 8.
- Oil filter. T. S. Lasky. 2,487,146, Nov. 8.
- Oil gauge wiper, Crankcase. E. U. and W. C. Gamble. 2,483,536, Oct. 4.
- Oil, Halogenated. Scots. B. H. Lincoln and G. D. Byrkit. 2,468,089, Apr. 26.
- Oil-in-water emulsions, Breaking. L. T. Monson. 2,470,829, May 24.
- Oil, Lubricating. S. E. Campbell and I. S. Dellinger. 2,485,861, Oct. 25.
- Oil, Lubricating. L. A. Mikeska. 2,471,115, May 24.
- Oil, Lubricating. F. P. Richter and E. W. Fuller. 2,479,513, Aug. 16.
- Oil, Manufacture of lubricating. F. C. Toettcher. 2,461,454-5, Feb. 8.
- Oil, Manufacture of lubricating. F. C. Toettcher and J. R. Coley. 2,461,453, Feb. 8.
- Oil, Milkweed seed. C. F. Reed. 2,480,769, Aug. 30.
- Oil, Mineral lubricating. M. van Loon. 2,477,913, Aug. 2.
- Oil-modified alkyd resin manufacture. P. E. Marling. 2,479,951, Aug. 23.
- Oil or liquid filter. C. C. S. Le Clair. 2,471,069, May 24.
- Oil phase polymerization of resins. C. F. Fisk. 2,466,800, Apr. 12.
- Oil, Production of. D. C. Bond. 2,469,354, May 10.
- Oil production, Synthetic lubrication. R. L. Heinrich. 2,469,725, May 10.
- Oil purifier, Lubricating. C. J. Morey. 2,472,717, June 7.
- Oil, Recovery of hydrocarbon. C. E. Hemmlinger. 2,471,107, May 24.
- Oil-resin reclaiming blend and reclaiming method using the same. C. H. Campbell. 2,468,482, Apr. 26.
- Oil-resistant composition. P. T. Gidley. 2,471,870, May 31.
- Oil seal. W. M. Pollock. 2,487,177, Nov. 8.
- Oil seal. J. H. Victor. 2,468,247, Apr. 26.
- Oil seal removing tool. W. H. Bishop. 2,471,557, May 31.
- Oil shale, Processing. F. E. Buchan. 2,487,788, Nov. 15.
- Oil skimming device. J. Verner. 2,470,418, May 17.
- Oil soluble petroleum sulfonates, Preparation of. P. M. Ruedrich. 2,462,829, Feb. 22.
- Oil stratifying method and apparatus. M. J. Napier. 2,468,636, Apr. 26.
- Oil-styrene interpolymers, Drying. G. A. Griess and A. S. Teot. 2,468,748, May 3.
- Oil temperature control. L. T. Miller. 2,483,291, Sept. 27.
- Oil thief. B. C. Ferguson. 2,486,639, Nov. 1.
- Oil tube dust cap. B. E. Eynon and D. Gustafson. 2,484,617, Oct. 11.
- Oil, Turbine. S. J. Wayo. 2,477,356, July 26.
- Oil wells, Treatment of. D. H. Larsen. 2,465,237, Mar. 22.
- Oil with aerogel catalysts, Cracking. K. K. Kearby. 2,469,733, May 10.
- Oil with magnesium silicate, Decolorization of. W. A. La Lande, Jr. 2,475,328, July 5.
- Oiler. W. Reed. 2,478,639, Aug. 9.
- Oiler and lubricating device. R. C. Franke. 2,465,523, Mar. 29.
- Oiler, Flange. F. W. Edwards. 2,467,119, Apr. 12.
- Oiler, Hand. A. G. Anderson. 2,473,696, June 21.
- Oiler, Hog. B. H. Person. 2,486,611, Nov. 1.
- Oiling pulleys of clotheslines. W. W. Scott. 2,488,335, Nov. 15.
- Oils and fats, Bleaching. L. F. Henderson and L. H. Libby. 2,468,753, May 3.
- Oils and making same, Modified drying. J. B. Rust. 2,467,912, Apr. 19.
- Oils, Core. M. S. Burg. 2,468,956, May 3.
- Oils corrosive to copper, Treatment of. C. A. Cohen. 2,473,195, June 14.
- Oils, Deodorization of. K. McCubbin and C. E. Monical. 2,461,694, Feb. 15.

- Oils, Dewaxing. C. F. Holm and B. K. Engel. 2,461,115, Feb. 8.
- Oils, Drying. L. D. Myers and J. W. Ritz. 2,479,857, Aug. 23.
- Oils from fish material, Extracting. R. F. Shropshire. 2,473,453, June 14.
- Oils, Lubricating. B. H. Lincoln and G. D. Byrkit. 2,460,301, Feb. 1.
- Oils, Making bodied. W. Lange and R. G. Folzenlogen. 2,480,485, Aug. 30.
- Oils, Penetrating. H. E. Schulz. 2,491,774, Dec. 20.
- Oils, Production of drying. H. S. Bloch. 2,476,955, July 26.
- Oils, Purifying used. C. R. A. M. Björnstjerna. 2,459,409, Jan. 18.
- Oils, Recovery of. J. W. Beckman. 2,486,385, Nov. 1.
- Oils, Refining animal and vegetable. F. J. Ewing. Re. 23,118, May 31.
- Oils, Synthetic drying. W. W. Johnstone. 2,491,496, Dec. 20.
- Oils, Treatment of drying. H. G. Berger, G. S. Crandall, and J. F. Socolofsky. 2,478,451, Aug. 9.
- Oleaginous materials, Fractionation of. H. J. Passino and J. M. Meyers. 2,467,906, Apr. 19.
- Oleaginous materials, Stabilization of. F. A. Norris. 2,462,663-4, Feb. 22.
- Olefin dimers as promoters in low-temperature Friedel-Crafts polymerization. H. G. Schutze. 2,479,418, Aug. 16.
- Olefin extraction process. M. A. Payne. 2,463,902, Mar. 8.
- Olefin liquids, Oxidized. A. Turk. 2,469,059, May 3.
- Olefin polymers, Production of. L. Schmerling. 2,470,190, May 17.
- Olefin-polyolefin-rubbery polymers, Reclaiming synthetic. L. T. Eby. 2,471,866, May 31.
- Olefin reactions. J. R. Roland and J. Harmon. 2,479,082, Aug. 16.
- Olefin sulfide addition products. H. R. Snyder and J. M. Stewart. 2,490,985, Dec. 13.
- Olefin sulfide addition products. J. M. Stewart and H. R. Snyder. 2,490,985, Dec. 13.
- Olefin polymers, Preparation of. D. E. Sargent and W. E. Hanford. 2,467,234, Apr. 12.
- Olefinic compounds with hydrogen sulfide, Condensation of. J. L. Eaton and J. B. Fenn. 2,468,739, May 3.
- Olefinic compounds with hydrogen sulfide, Condensation of. J. B. Fenn and J. L. Eaton. 2,481,583, Sept. 13.
- Olefinic elastomers, Production and recovery of. A. D. Green. 2,463,866, Mar. 8.
- Olefins from paraffins, Separating. B. S. Friedman and R. F. Stedman. 2,458,067, Jan. 4.
- Olefins, Separation of. A. W. Francis. 2,463,482, Mar. 1.
- Olefins with organic compounds, Condensation of. F. M. Seger and A. N. Sachanen. 2,486,441, Nov. 1.
- Oleotrile, Preparation of. L. A. Stegemeyer. 2,460,772, Feb. 1.
- Oleum, Process and apparatus for the production of. C. V. Herrmann and L. A. Myers. 2,466,767, Apr. 12.
- Omega ketones usable as intermediate products for the manufacture of polymethine dyes, Preparing. A. E. Van Dormael and T. H. Ghys. 2,468,577, Apr. 26.
- Omega-thioacyloalkyl esters and insecticidal compositions containing same. N. E. Searle. 2,467,235, Apr. 12.
- 1-alkoxy-2,4-dinitro-6-tertiary-butyl-benzenes, The preparation of. M. S. Carpenter and W. M. Easter, Jr. 2,476,815, July 19.
- 1-alkyl-4-(beta-hydroxyethylamino)-piperidine benzoates. R. H. Reitsema. 2,476,913, July 19.
- 1-alkyl-4-(meta-hydroxyphenyl)-4-carbalkoxy-piperidines and their production. K. Miescher and H. Kaegi. 2,486,792, Nov. 1.
- 1-alkyl-4-(meta-hydroxyphenyl)-piperidyl-(4)-alkylketones and their production. K. Miescher and H. Kaegi. 2,486,794, Nov. 1.
- 1-alkyl-4-(N-benzyl-N-beta-dialkylamino-ethylamino)-piperidines and their production. R. H. Reitsema. 2,476,912, July 19.
- 1-alkyl-4-(N-benzyl-N-beta-pyrrolidino-ethylamino)-piperidines and their production. R. H. Reitsema. 2,476,914, July 19.
- 1-alkyl-3-benzoyl-4-hydroxy-4-phenyl-piperidines, Preparation of. J. T. Plati and W. Wenner. 2,489,669, Nov. 29.
- 1-alkyl-3-hydroxy piperidines, Production of. S. Tchelitcheff. 2,489,546, Nov. 29.
- 1-alkylpiperidyl-4-benzhydryl ethers, acid salts thereof and their preparation. L. H. Knox and R. Kapp. 2,479,843, Aug. 23.
- 1-amino-4-(nitro-2'-hydroxy)-anilino-anthraquinone-2-sulfonic acids, and salts thereof and their chrome derivatives. C. G. Verdery and C. G. Vogt. 2,485,121, Oct. 18.
- 1-carbethoxy-4-methylpiperazine, its salts, and preparing same. H. W. Steward. 2,472,496, June 7.
- 1-chloro-2-acyl-1-cyclohexenes. H. A. Bruson and H. R. Raterink. 2,466,681, Apr. 12.
- 1-cyano-1,3-butadiene, Preparation of. P. H. Wise. 2,473,486, June 14.
- 1-(dihydroxyphenyl)-2-aminobutanol-1 and intermediates, Preparing. C. M. Suter and A. W. Ruddy. Re. 23,100, Apr. 19.
- 1,4-di(alkenylphenoxy)-2-butenes. C. L. Moyle. 2,488,501, Nov. 15.
- 1,4-di(allylaryloxy)-2-butenes. C. L. Moyle. 2,488,500, Nov. 15.
- 1,4-diamino-2-halogenanthraquinone compounds. J. B. Dickey, A. Loria, and E. B. Towne. 2,487,045, Nov. 8.
- 1,4-di(aryloxy)-2-butenes. C. L. Moyle. 2,488,497-8, Nov. 15.
- 1,4-dicyanobutene, Making. H. P. W. Huggill and R. G. A. New. 2,488,913, Nov. 22.
- 1,4-dicyano-2-butene from 3,4-dihalo-1-butene and mixtures containing same, Preparation of. J. R. Johnson and G. M. Whitman. 2,477,617, Aug. 2.
- 1,4-dicyano-2-butene, Preparation of. G. F. Hager. 2,462,388, Feb. 22.
- 1,4-dicyano-2-butene, Preparation of. G. F. Hager. 2,477,597, Aug. 2.
- 1,4-dicyano-2-butene, Preparation of. G. M. Whitman. 2,477,674, Aug. 2.
- 1,4-dihalobutanes, Production of. N. D. Scott. 2,491,834, Dec. 20.
- 1,4-di(halophenoxy)-2-butenes. C. L. Moyle. 2,488,499, Nov. 15.
- 1,4-di(heterocyclic substituted) piperazines. J. J. Denton and K. L. Howard. 2,459,367, Jan. 18.
- 1,4-dihydrazino-phthalazine and its acid salts. J. Druey. 2,484,785, Oct. 11.
- 1-methyl-5-aminoacridine and preparing it. J. E. R. Falk. 2,488,904, Nov. 22.
- 1-naphthol-1-2-carboxylic acid amide couplers for color photography. A. Weissberger, I. F. Saiminen, and P. W. Vittum. 2,474,293, June 28.
- 1-naphthylamine-2-sulfonic acid, Preparation of. R. C. Conn and R. H. Weiss. 2,471,400, May 31.
- 1-naphthylamine-2-sulfonic acid, Preparation of. A. C. Wintringham, L. R. Moffatt, and R. C. Conn. 2,479,990, Aug. 23.
- 1-naphthyl methyl ketone, Manufacture of. G. Baddeley. 2,487,777, Nov. 15.
- 1-naphthylmethyl tetradecyl ether as an insecticide. I. Hechenbleikner. 2,459,526, Jan. 18.
- 1,1-chlorofluoroethylenes, Manufacture of. F. H. Bratton and G. M. Weimann. 2,478,933, Aug. 16.
- 1,1'-dialkyl-3,3'-alkylenebenzimidazolopyranine salts. L. G. S. Brooker. 2,479,152, Aug. 16.
- 1,1-dicyano ethylene by the pyrolysis of 1-acetoxy-1,1-dicyano ethane, Preparation of. A. E. Ardis. 2,476,270, July 19.
- 1,1,1-trifluoroethane, Manufacture of. C. B. Miller and F. H. Bratton. 2,478,932, Aug. 16.
- 1,1,3,3-tetraalkoxypropanes, Preparing. M. E. Hultquist. 2,459,076, Jan. 11.
- 1-phenylethylidenemalononitrile. D. T. Mowry. 2,458,017, Jan. 4.
- One-piece channeled lens mounting. E. M. Splaine. 2,472,731, June 7.
- One-piece paper container. J. Norden. 2,468,306, Apr. 26.
- One-revolution clutch. C. W. Goodwin and H. W. Martin. 2,475,740, July 12.
- One-revolution clutch. L. A. Marhart. 2,475,432, July 5.
- One-revolution clutch. H. W. Martin and C. W. Goodwin. 2,475,749, July 12.
- One-revolution latch-operated clutch. C. P. Leye. 2,457,827, Jan. 4.
- 1-substituted-2,5-diketeto-7-methyl-pyrimidopyrazoles and process of preparing same. A. Baveley. 2,481,466, Sept. 6.
- 1,3-dioxolane polymers. W. F. Gresham. 2,473,994, June 21.
- 1,3,5-Triazines as stabilizing agents for silver-halide emulsions. F. Dersch. 2,476,536, July 19.
- 1,2-disubstituted 3-cyanoguanidines, Preparation of. H. Z. Lecher, R. P. Parker, and R. S. Long. 2,479,498, Aug. 16.
- One-way expansible band brake. F. N. Smith. 2,462,565, Feb. 22.
- One-way overrunning clutch. I. J. Gruenberg and C. K. Davis. 2,477,176, July 26.
- One-way ratchet brake. K. Williams. 2,463,344, Mar. 1.
- One-way sprag type clutch. J. L. King, Jr. 2,486,603, Nov. 1.
- One-way stopping means for control apparatus. M. N. Yardeny. 2,476,016, July 12.
- One-way wedging clutch. S. R. McClure. 2,487,026, Nov. 1.
- One-way worm gear lock. R. L. Boyles. 2,489,077, Nov. 22.
- On-or-off electric switch. P. R. Bortfeld. 2,468,356, Apr. 26.
- Open-end metal bending brake. R. L. Webb. 2,478,854, Aug. 9.
- Open-ended multiple wrench holder. H. W. and M. W. English. 2,466,884, Apr. 12.
- Open foot superheater support. E. Rawson. 2,458,029, Jan. 4.
- Open-hearth furnace. F. S. Bloom. 2,491,705, Dec. 20.
- Open-top refrigerated display case. N. Achs. 2,473,122, June 14.
- Open-top refrigerated display case. G. H. Hender. 2,463,104, Mar. 1.
- Open-top refrigerated display case. J. C. Rear. 2,460,030, Jan. 25.
- Opener, Ampoule. M. B. Biro. 2,466,200, Apr. 5.
- Opener, Ampoule. M. B. Biro. 2,482,833, Sept. 27.
- Opener and reshaper. Can. A. H. Withrow. 2,461,015, Feb. 8.
- Opener, Bobby pin. A. D. King. 2,489,579, Nov. 29.

- Opener, Bob pin. C. C. Rennecamp and W. H. Bartel. 2,484,313, Oct. 11.
- Opener, Bobby pin. T. H. Worrell. 2,460,562, Feb. 1.
- Opener, Can. F. B. Cole. 2,458,254, Jan. 4.
- Opener, Can. O. H. Hanby. 2,484,504, Oct. 11.
- Opener, Can. W. H. Montgomery. 2,486,314, Oct. 25.
- Opener, Can. A. E. Nelson. 2,462,416, Feb. 22.
- Opener, Can. T. L. Rush. 2,467,232, Apr. 12.
- Opener, Can. C. N. Smith, Jr. 2,460,717, Feb. 1.
- Opener, Can. W. L. Stewart. 2,478,509, Aug. 9.
- Opener, Can. O. C. Williamson. 2,459,560, Jan. 18.
- Opener, Can. L. E. Wurtzbach. 2,491,844, Dec. 20.
- Opener, Carton. S. H. Berch. 2,459,678, Jan. 18.
- Opener, Folded carton. S. H. Berch. 2,465,189, Mar. 22.
- Opener, Fruit jar. J. R. Cox. 2,475,948, July 12.
- Opener, Hairpin. G. K. Hopkins. 2,480,581, Aug. 30.
- Opener, Heavy-duty container. W. J. May. 2,486,858, Nov. 1.
- Opener, Package. E. Charlop. 2,470,236, May 17.
- Opener, Padlock. J. L. Strangman. 2,491,288, Dec. 13.
- Opener, Screw cap. W. F. Grant. 2,473,425, June 14.
- Opener, Seal conveyed letter. R. T. Lacey. 2,482,080, Sept. 13.
- Opener with pneumatic shelling means, Egg. L. Gaylor. 2,466,310, Apr. 5.
- Operating and controlling apparatus for dry dock side walls. F. R. Harris. 2,472,295, June 7.
- Operating device, Coupler. S. C. Bronson. 2,491,359, Dec. 13.
- Operating device for the disconnecting switch arms of electric circuit breakers. H. Forwald. 2,490,624, Dec. 6.
- Operating device, Hatch cover. C. R. Hamilton. 2,473,098, June 14.
- Operating device, Sustained electric signal. J. W. Ritti. 2,474,405, June 28.
- Operating handle lever means for rotary hand brakes. K. Williams. 2,472,036, May 31.
- Operating high voltage static current converters using ionic valves. J. Hansen. 2,485,198, Oct. 18.
- Operating machine tools and apparatus therefor. L. B. Sponaugle. 2,484,968, Oct. 18.
- Operating means for electrically driven textile machines. E. Törnros. 2,482,443, Sept. 20.
- Operating means for engraving and copying machines, Electromagnetic. G. G. Gruettner. 2,481,658, Sept. 13.
- Operating means for movable members of airplanes or other apparatus. E. E. Wallace. 2,478,068, Aug. 2.
- Operating means for trailer goosenecks. W. E. Martin. 2,471,277, May 24.
- Operating mechanism. R. R. Bush and H. Clark. 2,476,024, July 12.
- Operating mechanism, Brake and clutch. F. Neale. 2,481,144, Sept. 6.
- Operating mechanism, Dump car door. A. E. Zimmer. 2,484,870, Oct. 18.
- Operating mechanism for dual nozzle oil burners, Emergency. J. A. Logan. 2,464,700, Mar. 15.
- Operating mechanism for electric circuit breakers. R. J. Baskerville. 2,458,240, Jan. 4.
- Operating mechanism for electrical switches. A. M. Trogner. 2,462,342, Feb. 22.
- Operating mechanism for grabs. P. J. M. T. Allard. 2,486,544, Nov. 1.
- Operating mechanism for machine guns. F. I. Rataiczak. 2,458,028, Jan. 4.
- Operating mechanism for safety can closures. I. Barclay. 2,490,194, Dec. 6.
- Operating mechanism for washing machines and the like. L. E. Deloghia. 2,479,535, Aug. 16.
- Operating mechanism for well pumps, Hydraulic. H. and L. M. Harvey. 2,489,412, Nov. 29.
- Operating mechanism, Furnace cover. C. H. West. 2,474,505, June 28.
- Operating mechanism, Gyratory crusher. J. E. Kennedy. 2,486,478, Nov. 1.
- Operating mechanism, Valve. C. S. Davis. 2,461,313, Feb. 8.
- Operating mechanism with a torsion closing spring, Breechblock. W. Summerbell and S. Weiss. 2,462,920, Mar. 1.
- Operating system for electric fences. F. Fisher. 2,476,033, July 12.
- Operating system for vapor arc lamps. L. F. Bird. 2,482,894, Sept. 27.
- Operating system, Machine tool. S. T. Evenstad and W. F. MacGlashan, Jr. 2,488,620, Nov. 22.
- Operating table. G. A. Brewster. 2,461,627, Feb. 15.
- Operating table. M. L. Sweat. 2,460,857, Feb. 8.
- Operation of gas producers, Process and apparatus for the. O. A. Ohlsson. 2,476,760, July 19.
- Operation of ion exchange beds. A. B. Mindler. 2,466,662, Apr. 5.
- Operation of systems by a unit cylinder, Selective. A. N. Milster. 2,473,168, June 14.
- Operator for electric controllers, Foot. E. A. Cope. 2,476,703, July 19.
- Operator for elevator doors and hall doors, Automatic. M. A. Myers. 2,458,402, Jan. 4.
- Operator for lathes, Clutch. G. E. Cuttat. 2,463,521, Mar. 8.
- Operator for musical instruments, Striker. E. Dezso. 2,484,936, Oct. 18.
- Operator, Latch. F. J. Conlon. 2,475,880, July 12.
- Ophthalmic measurements, Method and apparatus for. F. G. Henry and G. W. Stark. 2,491,312, Dec. 13.
- Ophthalmoscope, Multiple lens hand type. J. E. Held. 2,469,388, May 10.
- Opinion meter. T. A. Rich. 2,491,335, Dec. 13.
- Opposed piston engine. G. R. Gehrandt. 2,462,092, Feb. 22.
- Opposed piston internal-combustion engine. M. Mallory. 2,486,185, Oct. 25.
- Optical apparatus utilizing light of a wave length above a selected value. J. U. White. 2,483,746, Oct. 4.
- Optical bore-straightness indicator. M. W. Getler. 2,466,698, Apr. 12.
- Optical comparison hemoglobinometer having a reflector supporting transverse partition. M. G. Brown and H. F. Lundberg. 2,482,650, Sept. 20.
- Optical comparison hemoglobinometer with switch for use of self-contained or external power sources. H. F. Lundberg. 2,486,956, Nov. 1.
- Optical comparison projecting apparatus having interchangeable objectives and condensers. F. Turrettini. 2,484,972, Oct. 18.
- Optical device for accurate reading of annular scales. C. J. Godfrey and V. W. H. Towns. 2,480,237, Aug. 30.
- Optical device for the measurement of relative displacements of a carriage slidable on a machine bed. F. Turrettini. 2,488,351, Nov. 15.
- Optical elements, Making. J. U. White and W. A. Fraser. 2,464,738, Mar. 15.
- Optical inspection apparatus for use in inspecting potentiometer cards. J. S. Stull. 2,461,939, Feb. 15.
- Optical instrument and camera therefor, Electron. I. B. Bensen. 2,483,872, Oct. 4.
- Optical instrument for use in aircraft for visually synchronizing the landing wheels and ground movement. S. S. Knox. 2,481,600, Sept. 13.
- Optical instrument having mounting features and scale graduations, Toolmaker's. E. F. Hager. 2,486,645, Nov. 1.
- Optical interference coatings, Depositing. D. B. McRae and J. H. McLeod. 2,472,605, June 7.
- Optical isomers, Racemization of. C. O. Beckmann. 2,463,734, Mar. 8.
- Optical lens means having a nonspherical refracting surface. E. D. Tillyer. 2,482,698, Sept. 20.
- Optical method and apparatus for measuring the accuracy of firearms. J. R. Connelly and H. F. Hawthorne. 2,474,828, July 5.
- Optical method of testing milk for relative uniformity. A. A. McMurray. 2,460,101, Jan. 25.
- Optical objective, Four component. C. G. Wynne. 2,487,749, Nov. 8.
- Optical objective having a front member correcting spherical aberration, field curvature, and distortion. A. Cox. 2,479,907, Aug. 23.
- Optical objective of the telephoto type having axially separated convergent front and divergent rear members. A. Cox. 2,458,836, Jan. 11.
- Optical objective system with spherical aberration correction means. R. K. Luneburg. 2,468,564, Apr. 26.
- Optical oil condition indicator. T. W. Hallerberg. 2,487,238, Nov. 8.
- Optical precision gauge. C. J. Godfrey. 2,483,897, Oct. 4.
- Optical projection apparatus for daylight projection and demonstration. C. W. Hansel. 2,484,505, Oct. 11.
- Optical projection microscopic comparator apparatus. G. Lubin. 2,467,395, Apr. 19.
- Optical projection system for projecting tool and cutter profiles. E. F. Haracz. 2,482,480, Sept. 20.
- Optical ranging device. L. Cranberg. 2,468,042, Apr. 26.
- Optical reflecting material. T. G. Jungsers. 2,481,757, Sept. 13.
- Optical sight, Collimating. A. D. Robbins. 2,492,888, Dec. 27.
- Optical system, Corrected Schmidt type. A. Bouwers. 2,492,461, Dec. 27.
- Optical system for projecting a plurality of images of one reticle or image source by means of a plurality of reflectors. M. G. Townsley. 2,486,225, Oct. 25.
- Optical system for variable power telescopes. R. B. Tackaberry. 2,479,792, Aug. 23.
- Optical system with cylindrical screen and stop means, Image-projection. E. H. Traub. 2,482,566, Sept. 20.
- Optical system with cylindrical screen means, Image projection. C. J. B. Rheams. 2,481,615, Sept. 13.
- Optical unit for sound motion-picture apparatus, Adjustable. D. P. Triller. 2,465,945, Mar. 29.
- Optical unit with air expansion means. C. R. Underhill, Jr. 2,465,764, Mar. 29.
- Optical viewing instrument, including a collimating sight for use in harmonizing guns and sights. K. C. Burroughs. 2,464,485, Mar. 15.
- Optophone. J. A. Cashin. 2,475,444, July 5.
- Oral speculum. R. J. McIvor. 2,476,675, July 19.
- Orchard heater. W. G. Kurth. 2,478,281, Aug. 9.
- Order form, Special. J. Moss. 2,458,955, Jan. 11.
- Ordinance barrier. C. F. Bell, Jr. and T. L. Taylor. 2,463,674, Mar. 8.
- Ores containing nickel, Reduction of. R. C. Hills and M. F. Dufour. 2,473,795, June 21.
- Ores with aromatic alcohol, Froth flotation of. W. T. Bishop, E. J. Lorand, and J. E. Reese. 2,467,369, Apr. 19.

- Ores with nitric acid treated fatty acids, Concentration of nonsulfide, nonsilicate. J. B. Duke. 2,459,219, Jan. 18.
- Organ cabinet. V. I. Zuck. 2,481,186, Sept. 6.
- Organic acids from carbonaceous material, Making. M. Kiebler. 2,461,740, Feb. 15.
- Organic amines, Manufacture of. L. Schmerling. 2,480,266, Aug. 30.
- Organic compound polymerization process. M. M. Brubaker and R. A. Jacobson. 2,462,354, Feb. 22.
- Organic compounds. E. A. Prill. 2,487,179, Nov. 8.
- Organic compounds, Bromine-containing. M. S. Kharasch. 2,468,208, Apr. 26.
- Organic compounds, Cyclic. R. R. Whetstone. 2,479,283, Aug. 16.
- Organic compounds, Fluorinated. A. F. Benning and J. D. Park. 2,490,764, Dec. 13.
- Organic compounds, Inhibiting deterioration of. B. H. Lincoln and C. A. Neilson. 2,476,554, July 19.
- Organic compounds, Oxidation of. I. E. Levine. 2,474,001, June 21.
- Organic compounds, Separation of. C. C. King. 2,472,837, June 14.
- Organic compounds, Separation of. H. G. McGrath, H. J. Passino, and L. C. Rubin. 2,470,782, May 24.
- Organic compounds, Stabilization of. J. A. Chenicek. 2,464,291, Mar. 15.
- Organic compounds, Stabilization of. R. B. Thompson and J. A. Chenicek. 2,462,237, Feb. 22.
- Organic compounds with hydrogen halides, Reaction of. A. I. Gebhart. 2,459,423, Jan. 18.
- Organic crystallizing liquid stable phthalocyanine pigments, Producing. S. A. Loukowsky. 2,486,304, Oct. 25.
- Organic dinitrohydrocarbon, Preparation of. C. S. Coe, E. C. Attané, and T. F. Doumani. 2,465,974, Mar. 29.
- Organic disulfides, Production of. M. Kleiman. 2,474,849, July 5.
- Organic dyestuff and making same, Nondusting water-soluble. J. M. Iamarino. 2,486,562, Nov. 1.
- Organic fertilizer, Making. E. W. Eweson. 2,474,833, July 5.
- Organic fuels, Igniting. J. G. Cohn. 2,487,752, Nov. 8.
- Organic isocyanates and their preparation. S. T. Putnam. 2,491,580, Dec. 20.
- Organic medium for the production of aerosols. A. C. Fabst, A. E. Griffiths, and R. B. Killingsworth. 2,460,792, Feb. 1.
- Organic oxygen-containing compounds, Synthesis of. W. F. Gresham. 2,462,738, Feb. 22.
- Organic phosphates, Preparation of. I. Hechenbleikner. 2,482,063, Sept. 13.
- Organic phosphorus compounds, Production of. M. S. Kharasch. 2,489,091, Nov. 22.
- Organic polysulfides, Manufacture of. J. L. Eaton. 2,464,799, Mar. 22.
- Organic silicon compounds, Polymerization of. N. P. Robie. 2,481,349, Sept. 6.
- Organic silicon compounds, Preparation of. A. A. Levine. 2,478,493, Aug. 9.
- Organic substances, Oxidation resistant. R. W. Watson. 2,463,836, Mar. 8.
- Organic substances, Stabilization of. R. W. Watson and C. M. Loane. 2,484,257, Oct. 11.
- Organic substitution derivative of cellulose textile materials, Treating. C. Dreyfus, G. W. Seymour, and G. C. Ward. 2,488,587, Nov. 22.
- Organic thiocyanates and isothiocyanates, Preparation of. N. E. Searle. 2,462,433, Feb. 22.
- Organic thiocyanates, Preparation of. B. Abramovitch. 2,486,090, Oct. 25.
- Organic titanium compounds, Producing. J. E. Booge and H. C. Gullede. 2,468,916, May 3.
- Organisms, Destruction of. J. W. Robertson. 2,485,660, Oct. 25.
- Organization having adjustable screw-threaded member. E. L. Johnson. 2,468,333, Apr. 26.
- Organohalosilanes. A. J. Barry. 2,476,529, July 19.
- Organometallic compound. L. A. Mikeska. 2,461,335, Feb. 8.
- Organometallic compound. C. Winning. 2,472,504, June 7.
- Organometallic compounds containing 1,3,5-triazine rings. E. A. H. Friedheim. 2,466,764, Apr. 12.
- Organo-polysiloxanes. W. I. Patnode. 2,469,888, May 10.
- Organosilicols, Condensing. R. R. McGregor and E. L. Warrick. 2,459,387, Jan. 18.
- Organosilicon compositions and making them. W. H. Daudt. 2,468,869, May 3.
- Organo-silicon compositions containing rapidly polymerizable olefinic double bonds, Preparation of. K. H. Bunell and D. B. Hatcher. 2,469,154, May 3.
- Organo-silicon-compounds, Making. F. J. Sowa. 2,486,992, Nov. 1.
- Organo-silicon compounds, Preparation of. R. H. Kriebel. 2,479,374, Aug. 16.
- Organosilicon compounds, Preparation of. A. G. Taylor. 2,474,444, June 28.
- Organosiloxane elastomers. E. L. Warrick. 2,480,620, Aug. 30.
- Organo-siloxane polymers. E. C. Britton and H. C. White. 2,476,182, July 12.
- Organo-siloxane polymers and preparing them. J. F. Hyde. 2,462,267, Feb. 22.
- Organo-Siloxanes. J. F. Hyde. 2,486,162, Oct. 25.
- Organo-siloxanes and making them. J. F. Hyde. 2,458,944, Jan. 11.
- Organosiloxanes and making them. J. F. Hyde. 2,470,562, May 17.
- Organosiloxanes, Production of. A. J. Barry and E. E. Merrill. 2,483,963, Oct. 4.
- Organo-substituted polysiloxanes, Liquid. M. M. Sprung and D. F. Wilcock. 2,483,158, Sept. 27.
- Organo substituted silicon polymers and making them. J. F. Hyde. 2,480,822, Sept. 6.
- Orienting and feeding apparatus. Pear. B. C. Coons. 2,471,479, May 31.
- Orienting apparatus, Core. C. J. Engle. 2,489,566, Nov. 29.
- Orienting device. A. Knudsen. 2,489,788, Nov. 29.
- Ornament, Aromatic. B. Gilowitz. 2,492,039, Dec. 20.
- Ornament, Aromatic shoe. B. Gilowitz. 2,464,859, Mar. 22.
- Ornament, Christmas tree. L. Wise. 2,476,011, July 12.
- Ornament, Detachable shoe heel. T. Gilmour. 2,461,977, Feb. 15.
- Ornament, Novelty. L. H. Durbin. 2,474,236, June 28.
- Ornamental article holder. G. L. and B. M. Zent. 2,484,776, Oct. 11.
- Ornamental device. A. L. and M. G. Dillon. 2,478,864, Aug. 9.
- Ornamental figures, Constructing. D. H. Greer. 2,478,480, Aug. 9.
- Ornamental wheel cover. G. A. Lyon. 2,474,853, July 5.
- Ornamentation. E. Troy. 2,458,493, Jan. 4.
- Orthodontic appliance. O. Remensnyder. 2,479,780, Aug. 23.
- Orthodontic appliances and positioning teeth, Making. H. D. Kesling. 2,467,432, Apr. 19.
- Orthoxylene from isomeric xylenes by fractional distillation, Separation of. W. L. Glowacki. 2,466,699, Apr. 12.
- Oscillating abutment rotary pump. J. P. Johnson. 2,492,869, Dec. 27.
- Oscillating system, Frequency modulated. G. T. Royden. 2,462,905, Mar. 1.
- Oscillating vane rotary pump. J. O. Hamren. 2,460,821, Feb. 8.
- Oscillating vane piston pump. B. Phillips. 2,468,272, Apr. 26.
- Oscillating warning light. J. D. Kennelly. 2,464,318, Mar. 15.
- Oscillation generator. C. W. Earp. 2,462,078, Feb. 22.
- Oscillation generator. H. M. Huge. 2,460,637, Feb. 1.
- Oscillation generator control circuit. L. A. King. 2,482,493, Sept. 20.
- Oscillator. T. A. O. Gross. 2,486,021, Oct. 25.
- Oscillator. B. J. Lazan. 2,483,313, Sept. 27.
- Oscillator. M. T. Reynolds. 2,492,767, Dec. 27.
- Oscillator. F. F. Rieke. 2,473,448, June 14.
- Oscillator. G. T. Royden. 2,492,185, Dec. 27.
- Oscillator. J. R. Shonnard. 2,478,330, Aug. 9.
- Oscillator. C. G. Smith. 2,468,127, Apr. 26.
- Oscillator. R. C. Webb. 2,463,073, Mar. 1.
- Oscillator, Beat frequency. H. Grayson. 2,476,975, July 26.
- Oscillator, Blocking. R. Proskauer. 2,483,431, Oct. 4.
- Oscillator, Blocking. K. R. Wendt. 2,468,420, Apr. 26.
- Oscillator capacitance multivibrator, Relaxation. H. A. Bass. 2,461,871, Feb. 15.
- Oscillator circuits. J. S. Cohen. 2,483,183, Sept. 27.
- Oscillator, Compensated, controlled-feedback, amplitude modulated. P. Weathers. 2,469,803, May 10.
- Oscillator, Concentric line. C. A. Boddie. 2,473,504, June 21.
- Oscillator, Crystal controlled. G. T. Royden. 2,459,842, Jan. 25.
- Oscillator, Crystal controlled. G. T. Royden. 2,489,327, Nov. 29.
- Oscillator, Crystal harmonic. E. J. H. Bussard. 2,486,355, Oct. 25.
- Oscillator-detector, Electronic. W. W. Hansen, S. F. and R. H. Varian. 2,468,928, May 3.
- Oscillator device, Ultra high frequency. A. M. Gurewitsch. 2,476,725, July 19.
- Oscillator, Directed beam high-frequency. A. H. Rosenthal. 2,479,084, Aug. 16.
- Oscillator for ultra high frequency comprising an electron discharge device, Semireentrant line. S. Lobel. 2,464,984, Mar. 22.
- Oscillator, Frequency stabilized blocking. B. W. Robins. 2,466,782, Apr. 12.
- Oscillator generator. H. Romander. 2,462,903, Mar. 1.
- Oscillator, High-frequency. W. Hotine. 2,462,866, Mar. 1.
- Oscillator, High-frequency concentric line. E. Fubini, H. C. Kriegl, and J. G. Stephenson. 2,472,204, June 7.
- Oscillator, Low-frequency drift. J. F. Bell. 2,470,425, May 17.
- Oscillator, Magnetostrictive. A. L. Thuras. 2,472,388, June 7.
- Oscillator, Magnetron. W. P. Mason. 2,474,485, June 28.
- Oscillator modulating system. R. C. Moore. 2,470,573, May 17.
- Oscillator, Piezoelectric. P. D. Gerber. 2,484,045, Oct. 18.
- Oscillator, Polyphase. G. T. Royden. 2,492,184, Dec. 27.
- Oscillator, Pulsed. P. A. Duffy, Jr. 2,484,209, Oct. 11.
- Oscillator, Pulsed. H. L. Grayson. 2,484,229, Oct. 11.
- Oscillator, Pulsed. J. R. Moore. 2,462,885, Mar. 1.

- Oscillator, Pulsed. J. R. Moore. 2,464,252, Mar. 15.
 Oscillator, Relaxation. L. W. Hershinger. 2,476,090, July 12.
 Oscillator, Self-contained high-frequency. A. Senauke. 2,469,180, May 3.
 Oscillator, Shock-excited. H. Klemperer. 2,486,176, Oct. 25.
 Oscillator, Stabilized. A. A. Lundstrom. 2,466,904, Apr. 12.
 Oscillator system, Compensated. P. C. Gardiner. 2,484,562, Oct. 11.
 Oscillator system, Cyclotron. W. W. Salisbury. 2,492,324, Dec. 27.
 Oscillator system, Spot frequency. G. F. Moynahan, Jr. 2,457,830, Jan. 4.
 Oscillator, Tone frequency. E. L. Kent. 2,476,607, July 19.
 Oscillator, Transmission line. C. C. Eaglesfield. 2,483,189, Sept. 27.
 Oscillator tube. C. A. Boddie. 2,472,088, June 7.
 Oscillator tube mounting. F. H. Drake. 2,462,370, Feb. 22.
 Oscillator, Ultra high frequency. A. Danziger. 2,477,581, Aug. 2.
 Oscillator, Ultra high frequency. J. H. Fremlin. 2,462,085, Feb. 22.
 Oscillator, Ultra high frequency. H. J. McCarthy. 2,492,647, Dec. 27.
 Oscillator, Variable frequency. F. R. Dennis. 2,486,265, Oct. 25.
 Oscillators, Positive grid. J. W. McNall. 2,459,283, Jan. 18.
 Oscillator circuit. R. G. Hibberd. 2,492,748, Dec. 27.
 Oscillograph. T. H. Clark. 2,465,354, Mar. 29.
 Oscillograph. C. M. Hathaway. 2,469,265, May 3.
 Oscillograph apparatus. H. S. Lasher, Jr. 2,467,834, Apr. 19.
 Oscillograph comprising a cathode-ray tube. B. G. Dammers. 2,464,558, Mar. 15.
 Oscillograph control circuit. C. I. Bradford and P. F. Darby. 2,466,924, Apr. 12.
 Oscillograph, Electromagnetic. H. L. Daniels. 2,466,691, Apr. 12.
 Oscillograph system. R. C. Ferrar. 2,465,364, Mar. 29.
 Oscillographic method of and system for spectrographic analysis. G. H. Dieke. 2,480,636, Aug. 30.
 Oscilloscope, Cathode-ray. C. W. Hansell. 2,459,319, Jan. 18.
 Oscilloscope sweep circuit. H. P. Pacini. 2,489,312, Nov. 29.
 Oscope or the like. A. H. Parcher. 2,485,766, Oct. 25.
 Ottoman, Electric foot-warming. G. W. Lindstrom. 2,471,221, May 24.
 Outboard motor. L. T. Kincannon. 2,460,419, Feb. 1.
 Outboard motor mounting. P. Homan. 2,472,704, June 7.
 Outboard motor mounting. M. J. Sturtevant. 2,483,249, Sept. 27.
 Outdoor reflecting lamp. S. J. Hirshfield. 2,484,091, Oct. 11.
 Outlet box connector. I. A. Paige. 2,458,409, Jan. 4.
 Outlet, Circular electrical. F. J. Barany. 2,465,419, Mar. 29.
 Outlet, Electrical. L. E. Bonham. 2,489,741, Nov. 29.
 Outlet, Electrical. E. T. Crook. 2,489,956, Nov. 29.
 Outlet fitting and sacrificial anode. Combination. D. J. Fergus. 2,486,936, Nov. 1.
 Outlet for humidifying ducts. A. H. Bahnson, Jr. 2,468,858, May 3.
 Outside clothes drier. K. J. Unwin. 2,474,922, July 5.
 Outside cutter. W. C. Erwin. 2,481,831, Sept. 13.
 Outside locket vanity case. A. M. Cohan. 2,485,814, Oct. 25.
 Outside pipe cutter. W. W. Smith. 2,462,230, Feb. 22.
 Oven. R. E. Danford. 2,478,526, Aug. 9.
 Oven. H. J. Scott. 2,491,419-20, Dec. 13.
 Oven. T. van der Neut. 2,483,681, Oct. 4.
 Oven, Baking. T. R. and W. Neutelings. 2,480,951, Sept. 6.
 Oven, Barbecue. L. D. Treloar. 2,492,021, Dec. 20.
 Oven, By-product coke. P. M. Pinckard. 2,458,480, Jan. 4.
 Oven door. C. L. Hardwick. 2,466,847, Apr. 12.
 Oven door. C. L. Hardwick. 2,489,962, Nov. 29.
 Oven drawer construction. R. H. Meiners and E. A. Dupas. 2,487,356, Nov. 8.
 Oven, Electric. W. L. Maxson. 2,490,076, Dec. 6.
 Oven for dual quartz crystals, Temperature controlled. R. J. Bitner. 2,470,134, May 17.
 Oven, Infrared. W. J. Miskella. 2,478,001, Aug. 2.
 Oven liner. H. R. Northup. 2,466,859, Apr. 12.
 Oven structure. L. F. Berg. 2,486,701, Nov. 1.
 Oven-unit, Combination. H. C. Doner. 2,478,253, Aug. 9.
 Oven, Ventilated and shielded infrared. F. J. Groven. 2,472,293, June 7.
 Oven with means to withdraw utensils therefrom, Cooking. R. Groetchen. 2,471,566, May 31.
 Overall. K. W. Pollock. 2,492,499, Dec. 27.
 Overalls. H. Lang. 2,482,349, Sept. 20.
 Overhead door lock. H. B. Clark. 2,472,791, June 14.
 Overhead traveling carrier. F. P. Baertschi. 2,475,584, July 12.
 Overhead valve tappet clearance adjusting wrench. G. S. Morris. 2,459,671, Jan. 18.
 Overload control system for fluid propelling apparatus. R. B. Willi. 2,478,796, Aug. 9.
 Overload device, Thermal. S. E. Vickers. 2,473,485, June 14.
 Overload indicator. E. S. Bundy. 2,479,468, Aug. 16.
 Overload or fixed load clutch. C. B. Spase. 2,472,925, June 14.
 Overload protection device for power transmission apparatus. J. W. Drisko. 2,461,261, Feb. 8.
 Overload protection system. W. E. McCown. 2,473,344, June 14.
 Overrunning centrifugal clutch. M. A. Wachs. 2,465,701, Mar. 29.
 Overshoe. A. R. Nelson. 2,474,954, July 5.
 Overshoe of vinylic material. P. E. Garth. 2,479,006, Aug. 16.
 Overshoe with lining for shining shoes. H. B. W. Snelling. 2,458,438, Jan. 4.
 Overshot. D. W. Osmun. 2,492,813, Dec. 27.
 Overspray recovery for spray booths. H. P. Ransburg and E. P. Miller. 2,486,877, Nov. 1.
 Oxazine diones. P. Nawiasky, L. M. Schenck, and I. G. Stevenson. 2,476,559, July 19.
 Oxazolidines and preparing the same. J. T. Thurston. 2,479,525, Aug. 16.
 Oxazalone derivative and preparing same. J. A. King. 2,478,661, Aug. 9.
 Oxidation inhibitors. H. D. Kluge and E. C. Knowles. 2,469,469, May 10.
 Oxidation of aldehydes. G. W. Seymour, B. B. White, and E. Barabash. 2,487,183, Nov. 8.
 Oxidation of aromatic hydrocarbons. W. F. Rollman. 2,489,347, Nov. 29.
 Oxidation of aromatic hydrocarbons. A. B. Welty, Jr. 2,485,342, Oct. 18.
 Oxidation of cycloaliphatic hydrocarbons and alcohols. T. F. Doumani, C. S. Coe, and E. C. Attané, Jr. 2,459,690, Jan. 18.
 Oxidation of ethylene to ethylene oxide and other olefins to their oxides. R. S. Aries. 2,477,435, July 26.
 Oxidation of ethylene to ethylene oxide, Catalytic. J. A. Nevison and R. M. Lincoln. 2,491,057, Dec. 13.
 Oxidation of heterocyclic aromatic nitrogen compounds. M. S. Larrison. 2,475,969, July 12.
 Oxidation of sulfuric acid heavy alkylate. E. L. Armstrong and W. A. Beman. 2,469,322, May 3.
 Oxidation of Utah coal-tape resins. E. D. Lee, R. J. Scheffbauer, Jr., and H. J. Dunn. 2,488,546, Nov. 22.
 Oxidation process. A. B. Welty, Jr., and W. F. Rollman. 2,489,346, Nov. 29.
 Oxidation reaction. J. E. Bludworth and P. C. Pearson, Jr. 2,462,938, Mar. 1.
 Oxide cathode for an electric discharge tube, and discharge tube made according thereto, Manufacturing an. R. Loosjes and H. J. Vink. 2,464,874, Mar. 22.
 Oxide magnets, Manufacture of permanent. L. Néel. 2,463,413, Mar. 1.
 Oxide of carbon, Hydrogenation of an. H. J. Ogorzaly. 2,458,870, Jan. 11.
 Oxide particles, Preparation of catalytically inactive inorganic. C. H. Ehrhardt. 2,490,260, Dec. 6.
 Oxide pigs, Treating. J. W. Sadler. 2,481,880, Sept. 13.
 Oxides of manganese, Preparation of. R. W. Moulton. 2,459,714, Jan. 18.
 Oxidized nitrated cellulose, Preparing an. W. O. Kenyon and W. F. Fowler, Jr. 2,472,591, June 7.
 Oxidizers and resists, Photographic. L. Rubinstein. 2,467,359, Apr. 12.
 Oxidizing acidic sulfur compounds. D. C. Bond and M. Savoy. 2,464,019, Mar. 8.
 Oxo process. C. E. Adams and D. E. Burney. 2,464,916, Mar. 22.
 Oxycellulose products, their manufacture and utilization. W. H. Van Delden and J. B. Rust. 2,482,042, Sept. 13.
 Oxychloride cementary material. E. D. F. Whitehead. 2,462,030, Feb. 15.
 Oxygen administering equipment. T. A. Taylor. 2,470,587, May 17.
 Oxygen in gases, Determining. M. G. Jacobson. 2,464,087, Mar. 8.
 Oxygen, Manufacture of. C. M. Fontana and E. Gorin. 2,490,587, Dec. 6.
 Oxygen, Producing. F. L. Symonds. 2,490,986, Dec. 13.
 Oxygen, Pumping liquid. C. R. Anderson. 2,480,094, Aug. 23.
 Oxygen valve. V. R. Bennett. 2,483,722, Oct. 4.
 Oxygenated compounds and liquid hydrocarbons from hydrocarbon gases, Production of. V. F. Michael and J. A. Phinney. 2,482,284, Sept. 20.
 Oxyteroyl glutamic acid and preparing same. G. J. Martin and H. Urist. 2,478,873, Aug. 9.
 Oyster opening apparatus. J. L. Plock. 2,473,609, June 21.
 Oyster opening method. J. Plock. 2,473,608, June 21.
 P-acetylphenyl acetate, Preparation of. W. S. Emerson. 2,457,988, Jan. 4.
 pH indicator. J. W. Ransom. 2,471,896, May 31.
 p-Hydroxy benzyl alcohol couplers for color photography. P. W. Vittum and A. Weissberger. 2,476,008, July 8.
 P,p'-dihydroxy-3,4-diphenylhexane of mesoid form. Production of. H. Morren. 2,476,679, July 19.
 Pacifier. N. P. Steckler. 2,462,786, Feb. 22.
 Pacing system, Automatic. C. C. Allen and J. J. Filling, Jr. 2,457,968, Jan. 4.

- Pack, Asparagus. R. C. Zuckerman. 2,488,106, Nov. 15.
 Pack of abrasive coated sheets. A. J. Larson. 2,485,295, Oct. 18.
 Pack opening and sheet receiving means. B. G. Vaughn and W. V. Fell. 2,474,765, June 28.
 Package. H. V. Anderson, Sr. 2,481,380, Sept. 6.
 Package. J. H. Bonini. 2,465,841, Mar. 29.
 Package. O. H. Hultin. 2,491,663, Dec. 20.
 Package. W. D. McMahon. 2,478,412, Aug. 9.
 Package. H. Rumsey, Jr. 2,474,120, June 21.
 Package. H. Rumsey, Jr. 2,474,166, June 21.
 Package. L. L. Salfisberg. 2,457,924, Jan. 4.
 Package. L. L. Salfisberg. 2,461,660, Feb. 15.
 Package. L. L. Salfisberg. 2,484,749, Oct. 11.
 Package. J. E. Snyder. 2,491,423, Dec. 13.
 Package and magazine for holding blades and/or other thin articles, Combined. C. P. Hornung. 2,465,876, Mar. 29.
 Package and packaging material therefor. D. B. Andrews. 2,467,875, Apr. 19.
 Package and wrapping, Wrapped cigar. J. E. Snyder. 2,491,422, Dec. 13.
 Package, Belt hook. E. P. Claus. 2,481,085, Sept. 6.
 Package, Bobby pin. W. T. Bolling, Jr. 2,466,571, Apr. 5.
 Package, Dental X-ray film. B. E. Luboshez. 2,472,599, June 7.
 Package, Dispensing. J. J. Hess and E. E. Thatcher. 2,490,732, Dec. 6.
 Package, Envelope. E. G. Overly. 2,478,635, Aug. 9.
 Package filling mechanism, Ice-cream. F. D. Palmer. 2,482,593, Sept. 20.
 Package, Filter cartridge. T. E. Aldham. 2,469,025, May 3.
 Package for dispensing interfolded sheets. G. E. Wolf. 2,473,932, June 21.
 Package for oleomargarine, Coloring. H. A. Rohdin. 2,469,521, May 10.
 Package for shirred pliable material. F. S. Heilbronner. 2,489,490, Nov. 29.
 Package for typewriters, Combination shipping and display. F. C. Edleston. 2,458,695, Jan. 11.
 Package, Frozen food. F. L. Broeren, G. E. Wauda, and R. Kuehl. 2,470,465, May 17.
 Package having tear strip and reinforcing member, Reclosable bread. S. Rosen. 2,476,564, July 19.
 Package holder. F. W. Schmiedeberg. 2,460,906, Feb. 8.
 Package, Infusion. L. L. Salfisberg. 2,468,464, Apr. 26.
 Package, manufacture, Infusion. H. O. Irmischer. 2,475,617, July 12.
 Package, Moistureproof. C. D. Mullinix. Re. 23,096, Apr. 5.
 Package, Novelty. S. B. Stefan. 2,470,058, May 10.
 Package of suture tubes or the like, Shipping. A. B. Kennison. 2,470,494, May 17.
 Package, Protective. J. W. Blazek. 2,467,421, Apr. 19.
 Package, Shipping. J. G. Dunneback. 2,477,512, July 26.
 Package, Spoon. E. C. Siewert. 2,469,343, May 3.
 Package, stripping machine, Can. J. C. Strickler. 2,463,576, Mar. 8.
 Package using Dry Ice, Shipping. G. Merkle. 2,467,268, Apr. 12.
 Package, Watch band display. S. Ritter. 2,470,370, May 17.
 Package with a nontangling handle and tag, Making an infusion. H. O. Irmischer. 2,490,057, Dec. 6.
 Package with nontangling string handle, Infusion. H. O. Irmischer. 2,458,169, Jan. 4.
 Packaged meat and like products and process thereof. M. R. Coe. 2,461,522, Feb. 15.
 Packaged product and producing the same. G. H. McDonnell. 2,484,842, Oct. 18.
 Packages, Making waterproof and moisture-vapor proof. W. W. Rowe. 2,476,325, July 19.
 Packages, Producing cigarette. G. A. Moore. 2,480,501, Aug. 30.
 Packaging. L. H. Cargill. 2,469,156, May 3.
 Packaging. G. M. Danenbauer. 2,472,521, June 7.
 Packaging. J. Foote. 2,458,844, Jan. 11.
 Packaging. J. E. Hills. 2,461,981, Feb. 15.
 Packaging. F. B. Pfeiffer. 2,436,760, Nov. 1.
 Packaging apparatus. J. Riemer. 2,461,569, Feb. 15.
 Packaging apparatus. J. F. Stalter. 2,491,424, Dec. 13.
 Packaging bacon and the like. C. K. Wiesman. 2,466,191, Apr. 5.
 Packaging device, Garment. C. B. Blessing. 2,479,552, Aug. 23.
 Packaging device, Shirt. W. W. McFall. 2,458,998, Jan. 11.
 Packaging device, Shirt. W. W. McFall and F. O. Kestner. 2,487,761, Nov. 8.
 Packaging food products. J. W. Ahrens. 2,468,700, Apr. 26.
 Packaging food products. D. E. Rueckert. 2,470,579, May 17.
 Packaging foods to be frozen. R. D. Lowry and C. R. Irons. 2,480,082, Aug. 23.
 Packaging for candy cans. C. M. and S. M. Sogas. 2,476,923, July 19.
 Packaging machine. M. P. Neal. 2,485,912, Oct. 25.
 Packaging machine. N. S. Ross. 2,464,099, Mar. 8.
 Packaging machine, Alignment controlling. L. L. Salfisberg. 2,483,155, Sept. 27.
 Packaging machine, Coin. C. G. Emerson and L. R. Cook. 2,489,765, Nov. 29.
 Packaging means, Roll. R. Corson. 2,474,657, June 28.
 Packaging method and apparatus. F. B. Pfeiffer. 2,486,759, Nov. 1.
 Packaging or wrapping of articles, Method and machine for. L. L. Salfisberg. 2,468,517, Apr. 26.
 Packer and weigher with jiggling device, Bag. H. S. Rhodes. 2,462,286, Feb. 22.
 Packer for wells. A. J. Penick. 2,464,713, Mar. 15.
 Packer for wells. A. J. Penick. 2,474,491, June 28.
 Packer, Well. D. C. Marler. 2,461,650, Feb. 15.
 Packet, Safety match. A. E. Koneh and S. K. Warner. 2,482,189, Sept. 20.
 Packet, Soap powder. W. A. Hermanson. 2,470,851, May 24.
 Packing. H. Allen. 2,491,598, Dec. 20.
 Packing. C. F. Bender. 2,476,021, July 12.
 Packing. A. J. Bent. 2,462,596, Feb. 22.
 Packing. C. Mark, Jr., R. Hula, and H. J. Alwart. 2,489,715, Nov. 29.
 Packing and display device, Combination. F. F. Fluss and G. Jellinek. 2,487,123, Nov. 8.
 Packing assembly. W. C. Ferguson, P. Sussenbach, and F. L. Limn. 2,459,370, Jan. 18.
 Packing case. F. J. Bickham. 2,488,368, Nov. 15.
 Packing case. F. M. Talbot. 2,488,692, Nov. 22.
 Packing case and making same. G. H. Norquist. 2,485,644, Oct. 25.
 Packing composition for removal of zinc from zinc-coated articles. H. A. Eckman. 2,492,561, Dec. 27.
 Packing device for annular articles. W. A. Ringler. 2,465,121, Mar. 22.
 Packing for joints. E. H. Robertson. 2,483,845, Oct. 4.
 Packing for journal boxes and the like. C. F. Schnuck. 2,480,513, Aug. 30.
 Packing, Making preformed. J. T. Wong. 2,468,797, May 3.
 Packing material, Egg. T. H. Alfreds. 2,483,607, Oct. 4.
 Packing material for chemical apparatus, Making. G. B. Bailey and O. Ziegler. 2,458,238, Jan. 4.
 Packing means. H. W. Wishart. 2,490,566, Dec. 6.
 Packing of plastic material. A. D. Wilson and W. Dalziel. 2,474,136, June 21.
 Packing, prefabricated door-frames. E. L. Guerrant. 2,489,029, Nov. 22.
 Packing removing tool. G. T. Ghee and C. Thomas. 2,466,845, Apr. 12.
 Packing ring arrangement for combustion engine pistons. J. G. Aragonés. 2,465,415, Mar. 29.
 Packing, Shaft. M. R. Jeske. 2,475,967, July 12.
 Packing stay, Hat. J. G. Huye. 2,484,167, Oct. 11.
 Packless expansion joint. H. P. Culp. 2,481,472, Sept. 6.
 Pad: See—
 Bedpan pad. Non-slip rug pad.
 Colostomy cup pad. Press pad.
 Desk pad. Protector pad.
 Foot exercise pad. Sanding pad.
 Gun recoil pad. Scouring pad.
 Handle pad. Shoulder pad.
 Hip pad. Surgical breast pad.
 Ironing board pad. Trihedral corner pad.
 Knee pad. Upholstery pad.
 Memorandum pad. Violin shoulder safety pad.
 Metatarsal pad.
 Pad and making the same, Apparel. J. A. Talalay. 2,478,340, Aug. 9.
 Pad and pocket therefor. L. Root. 2,458,646, Jan. 11.
 Pad attaching means for rubbing machines and the like. G. H. Ekstrom. 2,464,296, Mar. 15.
 Pad dyeing baths and pad dyeing textile materials. J. M. Kuhn and W. A. Bodenschatz, Sr. 2,488,544, Nov. 22.
 Pad for automobile fenders, Scuff. P. E. Allen. 2,467,001, Apr. 12.
 Pad for brooders and hovers, Heating. J. B. Olson. 2,463,301, Mar. 1.
 Pad for chairs, Reversible bucket seat. R. S. Chase and D. M. Park. 2,468,587, Apr. 26.
 Pad for garment pressing machines, Unitary, resilient heat-resisting buck. R. H. Reiss, C. S. Powell, and P. R. T. Hahn. 2,490,981, Dec. 13.
 Pad for shoulder straps. G. B. Elliott and N. M. Pfann. 2,485,720, Oct. 25.
 Pad for spectacles, Auxiliary nose. J. I. Chappell. 2,476,697, July 19.
 Pad for trusses, Back. A. A. Boraski. 2,479,150, Aug. 16.
 Pad forming machine. J. W. Hewitt, Jr. 2,478,485, Aug. 9.
 Pad of sensitized paper. V. E. Pratt and G. F. Gray. 2,488,434, Nov. 15.
 Pad with attaching means, Nose. R. L. Malcom. 2,463,041, Mar. 1.
 Padding for ironer rolls. T. R. Smith. 2,487,487, Nov. 8.
 Padlock. L. E. Harbison. 2,482,177, Sept. 20.
 Padlock. B. Richter. 2,488,986, Nov. 22.
 Padlock. H. E. Soref and D. J. Foote. 2,471,291, May 24.
 Padlock. M. A. Yakubik. 2,477,325, July 26.
 Padlock for locking together unequal objects, Universal. D. W. Carlson. 2,465,008, Mar. 22.
 Padlock, Key controlled. L. M. Dyson. 2,489,484, Nov. 29.
 Padlock, Nonshackle. N. N. Reichert. 2,492,318, Dec. 27.
 Page lifter. H. Stötum. 2,477,215, July 26.
 Page separation signal and pulse generator. J. W. Smith and F. A. Hester. 2,483,442, Oct. 4.
 Page turner, Mechanical. R. F. Mallina. 2,484,106, Oct. 11.

- Pail, Minnow. M. P. Janisch. 2,489,710, Nov. 29.
- Pail, Refrigerated milker. T. J. Pfletcher. 2,470,520, May 17.
- Pails, Twin. A. Cusick. 2,470,432, May 17.
- Paint, Anticorrosive. F. J. Williams and E. H. Herrmann. 2,479,988, Aug. 23.
- Paintbox. P. Lazare. 2,473,532, June 21.
- Paintbrush having a plurality of detachable tuft sections. P. S. Ricchiuti. 2,490,159, Dec. 6.
- Paintbrush holder. R. A. Braswell. 2,487,516, Nov. 8.
- Paintbrush holder. B. B. and L. B. Craft. 2,469,864, May 10.
- Paintbrush holder. M. M. Pichniarczyk. 2,479,509, Aug. 16.
- Paintbrush protector. M. Buhovecky. 2,472,001, May 31.
- Paint can holder. J. E. Crawford. 2,466,840, Apr. 12.
- Paint, Green camouflage. K. V. Thimann. 2,481,366, Sept. 6.
- Paint liner machine. J. L. Stocks. 2,476,926, July 19.
- Paint remover, Alkali-organic solvent. L. E. Kuentzel. 2,479,628, Aug. 23.
- Paint remover, Alkali-organic solvent. L. E. Kuentzel and R. H. McKee. 2,479,629, Aug. 23.
- Paint roller device, Self-feeding. A. Bleier and L. Altman. 2,485,428, Oct. 18.
- Painter's guide tool. A. Reincke. 2,476,509, July 19.
- Painting apparatus, Fence. M. M. Benzuly. 2,489,445, Nov. 29.
- Painting apparatus, Flag pole. D. Kremko and J. Podufaly. 2,470,994, May 24.
- Painting apparatus, Spray. J. A. Bede. 2,481,813, Sept. 13.
- Painting machine, Wall. B. L. Dean. 2,483,814, Oct. 4.
- Painting metal sheets, Rapidly. H. J. Little. 2,465,161, Mar. 22.
- Paints containing a leafing pigment, Water-in-oil emulsion. V. R. Smith and D. E. Stevens. 2,461,352, Feb. 8.
- Palladium articles, Production of. R. H. Atkinson and G. P. Gladis. 2,471,297, May 24.
- Palladium complexes as photographic emulsion stabilizers. R. E. Stauffer and W. F. Smith. 2,472,631, June 7.
- Pallet. O. F. Arthur. 2,463,587, Mar. 8.
- Pallet. O. F. Arthur. 2,463,589, Mar. 8.
- Pallet. O. F. Arthur and R. A. Fletcher. 2,487,687, Nov. 8.
- Pallet. M. O. Boone. 2,468,026, Apr. 26.
- Pallet. G. Darling. 2,479,728, Aug. 23.
- Pallet. S. Horwitz. 2,486,284, Oct. 25.
- Pallet. W. J. Philp and C. W. Parmentier. 2,461,297, Feb. 8.
- Pallet. J. V. Sprolle. 2,489,054, Nov. 22.
- Pallet. F. H. Stoner. 2,463,214, Mar. 1.
- Pallet and crate structure, Combined. B. C. Coit, Jr. 2,471,095, May 24.
- Pallet and lift fork therefor. R. L. Toffolon. 2,465,133, Mar. 22.
- Pallet and sling mechanism therefor. R. L. Toffolon. 2,465,134, Mar. 22.
- Pallet charging and tiering machine. L. Gelbman. 2,467,203, Apr. 12.
- Pallet construction. R. A. Fletcher. 2,492,626, Dec. 27.
- Pallet construction. J. Lilienfeld. 2,471,693, May 31.
- Pallet, Fabricated. R. A. Fletcher. 2,461,887, Feb. 15.
- Pallet for supporting and transporting articles. C. W. Holet. 2,463,622, Mar. 8.
- Pallet, Load-dumping. J. W. Gibler. 2,468,055, Apr. 26.
- Pallet of the load transfer type. O. F. Arthur. 2,463,588, Mar. 8.
- Pallet or skid for lifting trucks and the like, Material handling. D. H. Bitney. 2,475,370, July 5.
- Pallet or skid for lifting trucks or the like. D. H. Bitney. 2,474,460, June 28.
- Pallet skid. A. M. Barrett. 2,491,073, Dec. 13.
- Pan and brush, Combination. W. Jaffa. 2,477,876, Aug. 2.
- Pan, Ceiling. H. L. Jorgensen. 2,486,563, Nov. 1.
- Pan for toilet flush tanks, Drip. S. G. Buczkowski. 2,479,000, Aug. 16.
- Pan having applicator contact board frictionally supported therein. F. W. Rubin. 2,490,546, Dec. 6.
- Pan mounting for motor vehicles, Oil. K. and W. P. Henriksen. 2,475,836, July 12.
- Pan type oil gasifying burner. A. Palko. 2,458,630, Jan. 11.
- Pan with holder for pancake turners, Handle equipped frying. G. Pistey. 2,489,194, Nov. 22.
- Pan with painted exterior surfaces, Tin coated baking. J. H. Debs. 2,462,728, Feb. 22.
- Panel. J. B. Anthony. 2,471,510, May 31.
- Panel access-opening closure. F. G. Gerber. 2,472,156, June 7.
- Panel and fastener assembly. H. E. Mills. 2,459,953, Jan. 25.
- Panel, Announcement. A. Moro. 2,492,311, Dec. 27.
- Panel assembly, Trim. O. B. Westmand and O. W. Olson. 2,466,190, Apr. 5.
- Panel board. W. Robertson and L. W. Higgins. Re. 23,156, Oct. 18.
- Panel, Composite wall. C. G. Muench. 2,489,922, Nov. 29.
- Panel construction, Structural. C. E. Bacon. 2,477,852, Aug. 2.
- Panel, Current distribution. E. G. Johansson. 2,473,685, June 21.
- Panel, Electrically conducting. L. Marick. 2,458,184, Jan. 4.
- Panel fabrication. J. K. Eichelberger. 2,487,019, Nov. 1.
- Panel, Filter. S. C. Asad. 2,486,728, Nov. 1.
- Panel for artists, Canvas. S. Silver. 2,470,416, May 17.
- Panel for cabinet doors, Adjustable. R. R. Hausner. 2,466,848, Apr. 12.
- Panel for flasher casings or the like, Back. R. R. Goshorn. 2,482,266, Sept. 20.
- Panel for key cases, Attaching. D. J. Broughton. 2,458,335, Jan. 4.
- Panel for open-hearth furnaces, Water-cooled. L. L. Ausland and J. F. McLimans. 2,477,161, July 26.
- Panel for test vessels, Removable. A. H. Heineman. 2,464,809, Mar. 22.
- Panel, Hollow-core. W. H. Rundquist. 2,479,870, Aug. 23.
- Panel, Metal-clad. G. H. Norquist. 2,485,643, Oct. 25.
- Panel mounting. W. W. Small. 2,469,183, May 3.
- Panel, Reinforced corrugated. E. R. Swanson. 2,480,789, Aug. 30.
- Panel structure. J. C. Scurlock. 2,481,046, Sept. 6.
- Panel with marble game board, Shiftable. W. A. Schneider. 2,476,457, July 19.
- Panel with mounting means, Plastic. T. L. Hibbard and M. Jovanovich. 2,482,339, Sept. 20.
- Panel with slidable indicator, Indicator. J. Spargo. 2,480,614, Aug. 30.
- Paneling construction. J. M. Wyche. 2,457,964, Jan. 4.
- Panels, Making metal-clad. G. H. Norquist. 2,485,648, Oct. 25.
- Panning device, Inertia-operated. T. W. Chew. 2,481,083, Sept. 6.
- Pantoyl-sulfanilamide derivatives. H. Urist and G. J. Martin. 2,465,765, Mar. 29.
- Pantoyltauramides and preparation of the same. W. H. Miller and R. O. Roblin, Jr. 2,459,111, Jan. 11.
- Pants, Children's and girls'. F. J. Wertz. 2,484,478, Oct. 11.
- Pants presser, Adjustable. G. G. A. Lauzon. 2,486,486, Nov. 1.
- Panty, Child's. I. A. Hessel. 2,466,545, Apr. 5.
- Papain composition, Manufacture of stable dry. L. A. Hall. 2,464,200, Mar. 15.
- Paper and making, Creped. R. F. Charles and F. W. Durgin. 2,459,364, Jan. 18.
- Paper and making same, Permanent. J. Studeny, J. D. Pollard, and C. G. Landes. 2,492,821, Dec. 27.
- Paper and product, Sizing. W. Neubert, H. Krzikalla, and R. Armbruster. 2,492,702, Dec. 27.
- Paper can body. R. Guyer. 2,464,131, Mar. 8.
- Paper, Coating. H. E. Nelson. 2,460,998, Feb. 8.
- Paper container. C. O. Ball. 2,478,359, Aug. 9.
- Paper cup dispenser. C. D. Sims. 2,487,736, Nov. 8.
- Paper cup holder. W. E. Amberg. 2,483,167, Sept. 27.
- Paper cup machine. A. Shapiro and M. Hirschey. 2,489,507, Nov. 29.
- Paper cutter. H. H. Levin. 2,471,334, May 24.
- Paper cutter. R. J. Matthews. 2,482,118, Sept. 20.
- Paper dispenser. W. E. Mell. 2,482,714, Sept. 20.
- Paper, fabric, and other materials, Pregummed. S. Neumann. 2,477,344, July 26.
- Paper fastener. F. L. Innacelli. 2,468,072, Apr. 26.
- Paper machinery. S. A. Staeger. 2,484,473, Oct. 11.
- Paper, Making cockle. S. B. Stafford. 2,460,042, Jan. 25.
- Papermaking machine. C. S. Adams. 2,473,269, June 14.
- Papermaking machine, Combination. B. E. James and E. D. Beachler. 2,467,556, Apr. 19.
- Papermaking machine, Cylinder mold. C. S. Adams. 2,473,270, June 14.
- Paper, Manufacture of. K. Crabtree. 2,461,109, Feb. 8.
- Paper material, Silicone insulating. H. S. Cook, Jr. 2,477,787, Aug. 2.
- Paper pad frame. G. L. Beckstrom. 2,468,650, Apr. 26.
- Paper pulp agitator. J. A. Rosmait. 2,470,267, May 17.
- Paper receptacle. C. O. Ball. 2,478,360, Aug. 9.
- Paper roll holder. W. G. Balz. 2,492,728, Dec. 27.
- Paper roll holder. E. O. Bulman. 2,473,744, June 21.
- Paper roll holder. M. F. Campbell. 2,477,961, Aug. 2.
- Paper roll holder. S. Rapport. 2,482,871, Sept. 27.
- Paper roll holder. C. A. Weller. 2,472,239, June 7.
- Paper, Synthetic fiber. F. H. Osborne. 2,477,000, July 26.
- Paperweight. J. J. Curley. 2,474,036, June 21.
- Paper yarn, Making. E. J. Brockman and T. M. Scruggs. 2,482,895, Sept. 27.
- Papers, Facsimile recording. F. G. Calkin. 2,471,607, May 31.
- Para-aminobenzamides, acid addition salts thereof, and their production. R. D. Clinton and C. M. Suter. 2,490,780, Dec. 13.
- Parabanic acid, Derivatives of. K. D. Longley. 2,463,986, Mar. 8.
- Parachute. R. H. Hart. 2,458,264, Jan. 4.
- Parachute. J. J. Maggi. 2,483,423, Oct. 4.
- Parachute. J. R. C. Quilter. 2,469,573, May 10.
- Parachute. L. E. Supina. 2,462,234, Feb. 22.
- Parachute and container. H. D. Stallworth. 2,468,130, Apr. 26.
- Parachute and the like with rotating sustaining blades. V. Isacco. 2,458,855, Jan. 11.
- Parachute apparatus. E. S. Fraser. 2,480,407, Aug. 30.
- Parachute control. L. A. V. Rozas. 2,490,232, Dec. 6.

- Parachute control means for projectiles. G. S. Smith and W. H. Hunt. 2,464,949, Mar. 22.
- Parachute deploying means. P. F. Smith. 2,458,212, Jan. 4.
- Parachute equipped passenger escape for airplanes, Forced draft. C. F. I'Anson. 2,479,746, Aug. 23.
- Parachute folding table. R. F. Ryder. 2,486,437, Nov. 1.
- Parachute harness. J. R. C. Quilter. 2,464,719, Mar. 15.
- Parachute harness, pack, and life raft assembly. C. C. Kajdan. 2,467,037-8, Apr. 12.
- Parachute leader. A. B. Schultz. 2,474,124, June 21.
- Parachute, Nonoscillating. H. G. Heinrich. 2,462,864, Mar. 1.
- Parachute pack. G. L. Fogal and A. M. Mitnick. 2,476,969, July 26.
- Parachute pack. L. P. Frieder and W. S. Finken. 2,467,024, Apr. 12.
- Parachute pack, Reinforced. S. W. Severance and J. J. Rutkowski. 2,463,913, Mar. 8.
- Parachute pack stiffening means. S. W. Severance and J. J. Rutkowski. 2,463,914, Mar. 8.
- Parachute release, Automatic. M. Hattan. 2,488,537, Nov. 22.
- Parachute release, Kite. A. F. Prentice. 2,463,201, Mar. 1.
- Parachute release mechanism. C. A. Tobias. 2,478,138, Aug. 2.
- Parachute system. L. P. Frieder and W. S. Finken. 2,478,758, Aug. 9.
- Parachute zero speed landing motor. P. F. Smith. 2,477,907, Aug. 2.
- Para-ethyl phenol from meta-ethyl phenol, Separating. F. E. Cislak and M. M. Otto. 2,490,670, Dec. 6.
- Paraffin scraper and sucker rod guide, Combination. S. M. Holcombe. 2,466,239, Apr. 5.
- Paraffin wax, Manufacture of refined. J. R. Bowman and W. P. Ridenour. 2,467,959, Apr. 19.
- Paraffins into odorless fractions, Separation of highly branched. C. C. Crawford and L. C. Morris. 2,463,601, Mar. 8.
- Para-kite attachment. M. A. Moon. 2,480,948, Sept. 6.
- Paraldehyde, Preparation of. A. A. Dolnick and M. Potash. 2,479,559, Aug. 23.
- Para-nitrobenzene sulfonyl chloride, Making. M. Witte. 2,465,951, Mar. 29.
- Para-nitrobenzene sulfonyl chloride, Manufacture of. M. Witte and M. G. Welge. 2,465,952, Mar. 29.
- Para-nitrobenzyl ethers of tyrosine and certain derivatives. S. Avakian and G. J. Martin. 2,477,537, July 26.
- Para nitrophenyl diethyl thionophosphate, Preparing. A. D. F. Toy and T. M. Beck. 2,471,464, May 31.
- Para phenyl phenol resins, Manufacture of. J. A. Arvin. 2,463,501, Mar. 8.
- Parasitocidal compositions comprising alkyl-halo-naphthalenes. R. R. Dreisbach and F. W. Fletcher. 2,471,265, May 24.
- Parasol. A. Vila. 2,465,140, Mar. 22.
- Parenteral solutions of riboflavin and the like. T. D. Gerlough and E. L. Smith. 2,459,518, Jan. 18.
- Parisons, Making. C. B. Garwood. 2,471,369, May 24.
- Parking aid, Automobile. H. D. Lee. 2,492,531, Dec. 27.
- Parking brake. E. Stewart. 2,466,917, Apr. 12.
- Parking device, Airplane. W. Gierich. 2,476,594, July 19.
- Parking indicator. R. M. Thorson. 2,459,202, Jan. 18.
- Parking meter mounting. B. Rosing. 2,487,731, Nov. 8.
- Parlor, Milking. H. B. Babson and C. A. Thomas. 2,477,035, July 26.
- Partial esters, Preparation of. H. D. Allen and J. D. Malkemus. 2,478,354, Aug. 9.
- Partially depolymerizing vinyl ether polymers. C. E. Schildknecht. 2,483,374, Sept. 27.
- Partition. J. A. Potchen. 2,465,603, Mar. 29.
- Partition, Box. R. C. Richey. 2,473,766, June 21.
- Partition device for cooking pots. M. M. Himmel. 2,459,940, Jan. 25.
- Partition for cartons, Ball-carrying. T. J. Gorman, Jr. 2,479,739, Aug. 23.
- Partition structure. N. Nilsson. 2,472,756, June 7.
- Partitioned projection cathode-ray tube. K. A. R. Samson, E. D. McConnell, and D. McMullan. 2,466,329, Apr. 5.
- Partitions for containers. L. W. Roselius. 2,464,154, Mar. 8.
- Pass band width control circuit. H. G. Fisher and E. O. Kelzer. 2,464,125, Mar. 8.
- Passenger escape for vehicles. J. R. Dombrowiak. 2,469,159, May 3.
- Passing of warp threads through reeds. H. Meier. 2,473,289, June 14.
- Passivation of ferrous metals. E. A. Thurber. 2,473,456, June 14.
- Paste applying machine. P. J. Stefanelli. 2,467,998, Apr. 10.
- Paste-applying mechanism. W. A. Brown. 2,469,030, May 3.
- Paste, Textile printing. N. S. Cassel. Re. 23,134, July 19.
- Pasteurization and enzyme inactivity of fruits by electronic heating. T. L. Swenson. 2,476,251, July 12.
- Pasteurizing and cooling apparatus. W. J. Miller. 2,489,043, Nov. 22.
- Pasting and cutting device, Wallpaper. O. J. Bolvin. 2,472,935, June 14.
- Patch, Finger. G. V. Whittle. 2,463,584, Mar. 8.
- Patches, Making vulcanizing. M. H. Rowe. 2,491,281, Dec. 13.
- Patent leather and simulated patent leather, Manufacture of. A. B. Harding. 2,485,967, Oct. 25.
- Pattern. E. H. Zahn. 2,491,146, Dec. 13.
- Pattern board. H. O. Capps. 2,460,213, Jan. 25.
- Pattern controlled machine tool. A. H. Dall and H. Horlacher. 2,471,097, May 24.
- Pattern controlled machine tool. F. A. Parsons. 2,476,214, July 12.
- Pattern for collars and lapels, Adjustable. D. J. Cleri. 2,471,196, May 24.
- Pattern grading machine. S. Burton. 2,490,203, Dec. 6.
- Pattern marking letter. E. T. Kindt. 2,474,428, June 28.
- Pattern material, pattern and method. R. W. Erdle and C. H. Schaar. 2,461,416, Feb. 8.
- Pattern materials. K. E. Rose. 2,469,611, May 10.
- Pattern mechanism for knitting machines. E. J. Berger and H. K. West. 2,473,503, June 21.
- Pattern mechanism for looms. I. O. Moberg. 2,491,388, Dec. 13.
- Pattern mechanism, Knitting machine. P. W. Bristow. 2,460,487, Feb. 1.
- Pattern scanner, Radiant energy directivity. R. H. Varian. 2,464,276, Mar. 15.
- Pattern thread and line counter, Direct reading, visual index forming intersection. A. Gelardin. 2,475,490, July 5.
- Pawl, Double-acting. D. C. Peterson. 2,477,140, July 26.
- Pawl, Floating. E. F. Carlstrom. 2,460,620, Feb. 1.
- Payroll board. L. K. Straus. 2,485,513, Oct. 18.
- Paying out device for aircraft towing targets, picking up objects, etc. R. E. Tapp and W. C. Russ. 2,486,999, Nov. 1.
- Peanut protein free from peanut skin pigment, Preparation of. R. S. Burnett. 2,463,740, Mar. 8.
- Pear peeling, coring, and splitting method and apparatus. G. A. Dunn. 2,459,368, Jan. 18.
- Peashooter, Stock supported. R. Dally. 2,460,924, Feb. 8.
- Pectous jellies, Preparation of. H. T. Leo and C. C. Taylor. 2,483,549, Oct. 4.
- Pectous jellies, Producing. H. T. Leo and C. C. Taylor. 2,483,548, Oct. 4.
- Pedal actuated electric switch. W. C. Furnas and E. B. Schumacher. 2,482,540, Sept. 20.
- Pedal and linkage, Linear movement rudder. E. C. Wells. 2,478,882, Aug. 9.
- Pedal and switch, Accelerator. J. J. O'Reilly. 2,462,767, Feb. 22.
- Pedal, Bicycle. R. J. Gamble. 2,461,049, Feb. 8.
- Pedal, Bicycle reflector. J. H. Anderson. 2,478,735, Aug. 9.
- Pedal, Double-action bass drum. S. N. Laverents. 2,484,302, Oct. 11.
- Pedal extension and footrest attachment for pianos. G. L. Hobbs. 2,468,977, May 3.
- Pedal extension device, Piano. J. O. Rydstrom. 2,463,910, Mar. 8.
- Pedal mechanism. A. J. Narovich. 2,483,224, Sept. 27.
- Pedestal supported knockdown chair. M. Glenn. 2,467,664, Apr. 19.
- Pedestal type foot-operated liquid dispenser. J. L. Brenn. 2,488,266, Nov. 15.
- Peeler, Impact type log. C. J. Robertson. 2,461,924, Feb. 15.
- Peeler, Nut. H. J. Cook. 2,461,524, Feb. 15.
- Peeler, Vegetable. H. R. Banks. 2,472,460, June 7.
- Peeler with cooperating retainer means, Half fruit. R. L. Ewald and H. A. Skog. 2,458,506, Jan. 11.
- Peeling and coring machine, Fruit. A. C. Gross. 2,465,223, Mar. 22.
- Peeling machine including travelling screw driven cutters, Vegetable. E. J. Anderson. 2,461,249, Feb. 8.
- Peening apparatus. B. F. Fowler. 2,489,877, Nov. 29.
- Peening machine. W. J. Cahill. 2,460,123, Jan. 25.
- Peening the inside of tubes and other hollow bodies, Method and apparatus for. T. Robinson. 2,460,657, Feb. 1.
- Peephole for doors. A. Nichols and J. Spector. 2,491,758, Dec. 20.
- Peg game board. G. Mysels. 2,472,719, June 7.
- Pellet, Catalyst. E. J. Houdry. 2,478,194, Aug. 9.
- Pelleting carbon black. G. Thodos. 2,457,963, Jan. 4.
- Pellicles, Producing. R. Bluma. 2,468,585, Apr. 26.
- Pen and crib, Convertible play. E. R. Bourdon. 2,477,231, July 26.
- Pen, Ball point. F. E. Gruber. 2,460,345, Feb. 1.
- Pen, Ball-point. J. A. Salas. 2,474,865, July 5.
- Pen, Ball point. S. G. Seckers. 2,487,483, Nov. 8.
- Pen, Ball-point fountain. G. C. Nicholas. 2,486,869, Nov. 1.
- Pen construction, Play. E. E. Merrett. 2,471,762, May 31.
- Pen, Drafting. H. Frank. 2,483,764, Oct. 4.
- Pen for children, Knockdown play. W. J. Dodge. 2,491,036, Dec. 13.
- Pen, Fountain. L. J. Biro. 2,491,082, Dec. 13.
- Pen, Fountain. D. C. Crain. 2,459,993, Jan. 25.
- Pen, Fountain. G. Donato. 2,480,718, Aug. 30.
- Pen, Fountain. A. F. O'Connor. 2,492,058, Dec. 20.
- Pen, Fountain. L. F. Perwas. 2,476,321, July 19.
- Pen, Fountain. H. Q. Quan. 2,459,584, Jan. 18.
- Pen, Fountain. A. G. Rosa. 2,472,343, June 7.
- Pen, Fountain. V. H. Severy. 2,489,983, Nov. 29.

- Pen, Fountain. I. D. Tefft. 2,464,104, Mar. 8.
 Pen, Fountain. A. G. Wahl. 2,485,224, Oct. 18.
 Pen, Fountain. F. B. Wallis. 2,474,996, July 5.
 Pen, Fountain. R. T. Wing. 2,474,389, June 28.
 Pen, Fountain. H. H. Zodtner. 2,462,929, Mar. 1.
 Pen, Infant's foldable play. W. H. Simmons, Jr. 2,479,273, Aug. 16.
 Pen, pencil, and general utility clip. M. Clar. 2,487,312, Nov. 8.
 Pen, Play. G. E. Fournier. 2,490,296, Dec. 6.
 Pen, Play. R. A. Gans. 2,491,966, Dec. 20.
 Pen, Pull chain. J. A. Vierling. 2,476,571, July 19.
 Pen, Railroad ruling. L. R. Halstead. 2,465,869, Mar. 29.
 Pen, Removable-ball-point. B. Kleinsmith. 2,487,340, Nov. 8.
 Pen, Ruling. H. M. McClure. 2,464,763, Mar. 15.
 Pencil and ejector type lead carrier therefor, Mechanical. W. E. Melchiorre. 2,492,234, Dec. 27.
 Pencil and eraser, Combined lead. H. E. Temple. 2,478,437, Aug. 9.
 Pencil and pen clip. H. A. Bauer. 2,492,028, Dec. 20.
 Pencil-carrying memorandum pad or book. C. C. Harris. 2,486,840, Nov. 1.
 Pencil, Changeable propelling. W. Germann. 2,480,014, Aug. 23.
 Pencil holder. L. Margulies. 2,461,221, Feb. 8.
 Pencil holder with means to rotate the pencil with respect to the holder incident to use thereof. R. B. Johnson. 2,480,740, Aug. 30.
 Pencil, Magazine. M. F. Comstock. 2,484,555, Oct. 11.
 Pencil, Magazine. R. Raimondi. 2,483,103, Sept. 27.
 Pencil, Mechanical. R. Brosseau. 2,461,408, Feb. 8.
 Pencil, Mechanical. R. S. Dorfman. 2,491,254, Dec. 13.
 Pencil, Mechanical. H. S. Hasselquist. 2,464,035, Mar. 8.
 Pencil, Mechanical. R. J. Lynn. 2,489,714, Nov. 29.
 Pencil, Mechanical. L. J. Most. 2,481,942, Sept. 13.
 Pencil, Mechanical. J. A. Mustard. 2,484,640, Oct. 11.
 Pencil, Mechanical. J. J. Robbins. 2,469,411, May 10.
 Pencil, Mechanical. C. E. Wehn. 2,460,323, Feb. 1.
 Pencil of the screw feed type, Mechanical. J. T. Brubaker. 2,492,838, Dec. 27.
 Pencil or like device, Advertising. J. V. Wuestman. 2,475,934, July 12.
 Pencil point, Cushioned. J. A. Engel, Jr. 2,488,179, Nov. 15.
 Pencil sharpening device. J. F. Gilliam. 2,464,498, Mar. 15.
 Pencil, Three-color mechanical. R. N. Thatcher. 2,479,649, Aug. 23.
 Pencil, Wring. E. Burrell. 2,474,463, June 28.
 Pencil, with body of convolutely wound paper. K. Miller. 2,469,049, May 3.
 Pencil with both step-by-step and gravity feeds, Mechanical. J. T. Brubaker. 2,492,839, Dec. 27.
 Pencil with lead storage unit, Mechanical. M. E. Savoie. 2,458,739, Jan. 11.
 Pencil with screw feed, Variable grip-tip. M. E. Savoie. 2,491,061, Dec. 13.
 Pencil with step-by-step lead feeding means, Mechanical. D. Juellss. 2,475,149, June 14.
 Penetrating device, Fog. R. L. Kaye. 2,481,225, Sept. 6.
 Penicillamine esters. E. A. Kaczka, J. F. McPherson, R. Mazingo, and K. Folkers. 2,489,894, Nov. 29.
 Penicillamines, Preparing. J. C. Sheehan and M. Tishler. 2,477,149, July 26.
 Penicillin compositions. J. O. Bower. 2,477,171, July 26.
 Penicillin compositions, Injectable. S. B. Binkley. 2,476,351, July 19.
 Penicillin culture liquors, Solvent extraction of. C. A. Wilkerson. 2,471,597, May 31.
 Penicillin, Extraction of. R. D. Petty and C. A. Rickabaugh. 2,488,878, Nov. 22.
 Penicillin extraction process. M. Souders, Jr. 2,488,559, Nov. 22.
 Penicillin-G, Production of. S. A. Harris and K. Folkers. 2,480,466, Aug. 30.
 Penicillin, Manufacture of. E. L. Smith and A. E. Bide. 2,475,920, July 12.
 Penicillin-pectin composition and manufacture. B. S. Whittingham. 2,481,804, Sept. 13.
 Penicillin-pectin compositions. B. S. Whittingham. 2,481,805, Sept. 13.
 Penicillin preparation. G. A. Grant. 2,479,332, Aug. 23.
 Penicillin preparations, Producing. O. Wintersteiner, H. B. MacPhillamy, and A. E. O. Menzel. 2,480,991, Sept. 6.
 Penicillin product. W. E. Hinds. 2,487,336, Nov. 8.
 Penicillin, Recovering. G. F. Cartland. 2,480,075, Aug. 23.
 Penicillin salt, New. M. W. Goldberg and S. Teitel. 2,483,382, Sept. 27.
 Penicillin salts, Production of. O. K. Behrens. 2,463,943, Mar. 8.
 Penicillin solutions. C. Cosar. 2,467,583, Apr. 19.
 Penicillin solutions, Purification of. G. W. McMillan. 2,477,192, July 26.
 Penicillin X manufacture. G. F. Cartland, W. J. Haines, and N. Bohonos. 2,487,018, Nov. 1.
 Penicillins, Separation of. R. Pasternack and P. P. Regna. 2,487,668, Nov. 8.
 Penillamine G hydrohalides and producing the same. R. L. Peck. 2,488,737, Nov. 22.
 Pentachloropropane, Producing a solid. R. E. Plump. 2,478,008, Aug. 2.
 Pentaenes, Manufacture of. O. Isler and A. Businger. 2,475,139, July 5.
 Pentaerythritol condensation products. J. A. Wyler. 2,462,047, Feb. 15.
 Pentaerythritol conversion. J. A. Wyler. 2,462,049, Feb. 15.
 Pentaerythritol dehydration products, Making. J. A. Wyler. 2,468,722, Apr. 26.
 Pentaerythritol, Preparation of. J. A. Wyler. 2,486,774, Nov. 1.
 Pentaerythritol, Recovery of. J. A. Wyler. 2,464,167, Mar. 8.
 Pentamethylene silicone polymers, Preparing. J. M. Hersch. 2,464,231, Mar. 15.
 Pentene-1 from its mixtures with other C₅ olefins, Separation of. R. L. Heinrich. 2,463,873, Mar. 8.
 Pentonic acid lactones, Electrolytic reduction of. H. Spiegelberg. 2,457,933, Jan. 4.
 Pentonic acids from pentoses, Preparing. L. B. Lockwood. 2,463,784, Mar. 8.
 Perambulator body and its manufacture. P. Shott. 2,476,160, July 12.
 Perambulator, Collapsible. J. D. Mackin and E. W. Bergmann. 2,470,040, May 10.
 Perambulator, Collapsible. H. J. Underwood. 2,488,450, Nov. 15.
 Perambulator or like carriage. H. A. J. Lawrence. 2,479,749, Aug. 23.
 Perchlorates and chlorine dioxide, Production of. C. A. Hampel. 2,489,572, Nov. 29.
 Perchlorates and chlorine dioxide, Production of. C. A. Hampel. 2,489,574, Nov. 29.
 Percolator, Coffee. A. G. Wahl. 2,485,247, Oct. 18.
 Percussive tool. J. C. Curtis and E. G. Gartin. 2,461,527, Feb. 15.
 Percussion tool. V. L. Price. Re. 23,104, Apr. 26.
 Perforated combustion tube oil burner. F. Koszewski. 2,468,450, Apr. 26.
 Perforating apparatus. W. J. Zenner. 2,490,608, Dec. 6.
 Perforating device, Paper. S. Segal. 2,482,218, Sept. 20.
 Perforating machine, Record. A. W. Mills. 2,484,111, Oct. 11.
 Perforating mechanism. A. Smith. 2,475,807, July 12.
 Perforations in well liners, Cleaning. H. C. Brown. 2,464,669, Mar. 15.
 Perforator, Can. C. E. Venne. 2,461,709, Feb. 15.
 Perforator, Gun. P. Charrin. 2,488,803, Nov. 22.
 Perforator, Lawn. T. J. and J. A. Roche. 2,483,846, Oct. 4.
 Perforator, Mechanical. R. F. Mallina. 2,473,437, June 14.
 Perforator, Motion-picture film. J. G. Jones. 2,466,436, Apr. 5.
 Perforator, Pipe. J. R. Jobe. 2,482,913, Sept. 27.
 Perforator, Wallpaper. L. T. Merrick. 2,471,763, May 31.
 Perhalocyclohexanes. V. V. Lindgren and E. T. McBee. 2,480,081, Aug. 23.
 Perhalomethylcyclohexanes. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,480,080, Aug. 23.
 Perhalotoluenes. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,459,779, Jan. 25.
 Perimeter comprising an artificially illuminated concave spherical reflector, Ophthalmic. H. Papritz. 2,471,652, May 31.
 Periodic rotary metering and distributing valve. R. W. Washington. 2,483,949, Oct. 4.
 Periscope, Spring actuated telescoping. C. E. O. Larkin. 2,460,461, Feb. 1.
 Periscope sight, Dual. F. S. Brackett. 2,492,353, Dec. 27.
 Permanent magnet field coupling. S. Karasick. 2,470,249, May 17.
 Permanent magnet vibratory motor. C. S. Weyandt. 2,458,545, Jan. 11.
 Permeability determination. J. A. Ashworth and R. A. Chegwidan. 2,468,154, Apr. 26.
 Permeability tuning slug support. R. C. Carlson. 2,488,375, Nov. 15.
 Permeable bodies, Method and apparatus for detecting. E. A. Johnson. 2,483,417, Oct. 4.
 Permutation lock. G. R. L. S. Fisher. 2,468,967, May 3.
 Permutation lock container. S. A. Pierce, Jr. 2,476,062, July 12.
 Permutation system of series circuit control. T. R. Henigar, C. Basin, and H. B. MacKay. 2,490,906, Dec. 13.
 Perspective aid device. G. K. Black and W. S. Bosley. 2,487,690, Nov. 8.
 Perspective indicator. H. J. Dubner. 2,463,163, Mar. 1.
 Perylene, Synthesis of. M. Orchin. 2,478,205, Aug. 9.
 Pestary. T. Young. 2,475,071, July 5.
 Pest-combating compositions and spraying liquids of enhanced adhering capacity. C. Graenacher and M. Matter. 2,490,958, Dec. 13.
 Pest control. E. R. Meincke. 2,475,629, July 12.
 Pest control composition, Stabilized rosin amine. G. L. Schertz. 2,490,924-5, Dec. 13.
 Pesticidal composition of polyethylene polysulfide and nicotine sulfate. W. D. Stewart. 2,470,529, May 17.
 Pestle and mercury dispensing apparatus, Combined. F. F. Marschalk. 2,483,656, Oct. 4.
 Petrolatum stocks, Decolorization of. W. M. Jarnagin. 2,476,417, July 19.

- Petroleum distillates, Transporting. L. V. Sorg. 2,473,455, June 14.
- Petroleum distillates, Treatment of cracked. L. F. Brooke, M. M. Holm, and L. P. Elliott. 2,465,964, Mar. 29.
- Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,468,180-1, Apr. 26.
- Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,470,808, May 24.
- Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,472,573-4, June 7.
- Petroleum emulsions, Resolving. J. L. Harlan. 2,488,593, Nov. 22.
- Petroleum exploration by soil analysis. R. H. Fash and J. G. Campbell. 2,459,512, Jan. 18.
- Petroleum gas, Method and apparatus for vaporizing liquefied. A. C. Turner. 2,459,974, Jan. 25.
- Petroleum gas system, Liquefied. S. L. Sundstrom. 2,461,940, Feb. 15.
- Petroleum hydrocarbon, Stabilized liquid. J. G. McNab and D. T. Rogers. 2,465,902, Mar. 29.
- Petroleum oil, Treatment of crude. C. O. Hoover. 2,473,431, June 14.
- Petroleum, Treatment of crude. C. O. Hoover. 2,467,429, Apr. 19.
- Pharmaceutical preparations. L. W. Hazleton. 2,482,752, Sept. 27.
- Phase and synchronism control system. G. Deakin. 2,490,034, Dec. 6.
- Phase angle meter. G. W. Nagel and M. A. Schultze. 2,462,213, Feb. 22.
- Phase comparator circuit. J. A. Buckbee. 2,489,262, Nov. 29.
- Phase comparator comprising an alternating current bridge circuit. C. Dorsman and P. H. Dijksterhuis. 2,481,912, Sept. 13.
- Phase converter. T. T. Short. 2,467,863, Apr. 19.
- Phase measuring device. J. C. Spindler. 2,462,916, Mar. 1.
- Phase modulation system. R. Adler. 2,460,965, Feb. 8.
- Phase modulation system. B. J. Cosman. 2,483,262, Sept. 27.
- Phase modulation system. L. E. Norton. 2,462,417, Feb. 22.
- Phase or frequency modulation. D. Weighton. 2,473,318, June 14.
- Phase reversal protector. H. F. Clark. 2,486,004, Oct. 25.
- Phase-sensitive self-balancing frequency meter. W. H. Gille. 2,462,630, Feb. 22.
- Phase shifter circuit. B. M. Oliver. 2,476,946, July 19.
- Phase shifter, Electronic. D. E. Bovey. 2,474,886, July 5.
- Phase shifter for pulse producers. E. H. Schoenfeld. 2,466,044, Apr. 5.
- Phase shifter, Variable. W. H. Bussey. 2,469,155, May 3.
- Phase shifter, Variable. G. K. Werner. 2,469,188, May 3.
- Phase shifting apparatus. L. A. Meacham. 2,461,832, Feb. 15.
- Phenacetyl amino acids. O. K. Behrens. 2,463,941, Mar. 8.
- Phenanthridone, Producing. J. M. Butler. 2,478,805, Aug. 9.
- Phenazonium dyestuffs images, Production of. W. A. Schmidt and V. Tulagin. 2,486,440, Nov. 1.
- Phenol aldehyde-petroleum pitch-drying oil impregnating composition. H. Snow. 2,485,327, Oct. 18.
- Phenol aldehyde resins. G. L. Doelling and K. H. Adams. 2,485,711, Oct. 25.
- Phenol-amine-formaldehyde resin. F. J. Nagel. 2,482,498, Sept. 20.
- Phenol-formaldehyde resinous products, Odorless. J. J. Wachter. 2,482,525, Sept. 20.
- Phenol salts from aqueous solutions, Recovery of. C. W. Berger. 2,474,028, June 21.
- Phenol sulfides and preparation of metallic salts thereof, Purification of. H. E. Albert. 2,459,754, Jan. 18.
- Phenolic ethers of polyhydric alcohols, Production of. M. T. Carroll. 2,486,925, Nov. 1.
- Phenolic ethers of polyhydric alcohols, Production of. M. F. Carroll and K. G. Mason. 2,486,926, Nov. 1.
- Phenolic material from a lignin substance, Preparing. D. H. Grangaard. 2,488,186, Nov. 15.
- Phenolic materials from lignin, Preparing. I. A. Pearl and L. E. Wise. 2,482,594, Sept. 20.
- Phenolic resin metal containing molding composition, Making a. W. P. Roush. 2,488,332, Nov. 15.
- Phenolphthalein beta, beta'-diglucoside octaacetate, Preparation of. R. A. Hales. 2,481,417, Sept. 6.
- Phenoxyalkylamines as accelerators for photographic developers. F. J. Kaszuba. 2,482,546, Sept. 20.
- Phenylacetyl amino acid esters. O. K. Behrens. 2,463,939, Mar. 8.
- Phenyl-beta-naphthylamine, Aqueous dispersions of. B. M. Sturgis. 2,467,706-8, Apr. 19.
- Phenyl ethyl alcohol, Preparing. L. Nicholl, W. Bitler, and T. C. Aschner. 2,483,323, Sept. 27.
- Phenylthyl sulfones. J. K. Fincke. 2,470,077, May 10.
- Phenylsemioxamazine insecticidal compositions. S. I. Gertler. 2,470,180, May 17.
- Phenyl thiosalicylate as a catalytic plasticizer for rubber. S. Seales, Jr. 2,483,984, Oct. 4.
- Phonograph, Automatic. E. F. Andrews. 2,458,496, Jan. 11.
- Phonograph, Automatic. J. A. Davis and I. Gil. 2,482,659, Sept. 20.
- Phonograph, Automatic. J. L. D. Morrison. 2,488,137, Nov. 15.
- Phonograph, Automatic. C. G. Johnson. 2,484,570, Oct. 11.
- Phonograph, Automatic. F. G. Zandelin and E. B. Ingelström. 2,484,775, Oct. 11.
- Phonograph, Drawer operated. E. I. Harman. 2,475,744, July 12.
- Phonograph drive. G. E. Redfield. 2,479,512, Aug. 16.
- Phonograph pickup. R. F. Corbett. 2,482,467, Sept. 20.
- Phonograph pickup. R. Dally. 2,480,907, Sept. 6.
- Phonograph pickup, Electrodynamic. R. J. Rockwell. 2,478,712, Aug. 9.
- Phonograph pickup, Magnetrone-type. H. K. Richards. 2,473,820, June 21.
- Phonograph pickup unit using magnetostrictive wire. S. R. Rich. 2,471,542, May 31.
- Phonograph pickup, Variable resistance. R. B. Albright. 2,471,601, May 31.
- Phonograph pickup, Variable resistance. W. S. Bachman. 2,491,794, Dec. 20.
- Phonograph-record arm mounting. R. M. Cain. 2,478,234, Aug. 9.
- Phonograph, Record changing. C. B. Dale. 2,490,678, Dec. 6.
- Phonograph record composition containing as a binder shellac and coumarone-indene resin. L. A. Wood, Jr., and W. P. Miller. 2,487,746, Nov. 8.
- Phonograph recording arm clamp. L. Thompson. 2,478,722, Aug. 9.
- Phonograph reproducer, Electron tube type. J. F. Gordon. 2,482,972, Sept. 27.
- Phonograph reproducing system, Modulated-oscillator type. H. P. Kalmus. 2,489,378, Nov. 29.
- Phonograph system, Frequency modulation. M. G. Nicholson, Jr. 2,490,277, Dec. 6.
- Phonograph turntable device. G. L. Hobrough. 2,467,261, Apr. 12.
- Phonograph with moving stylus and stationary record. R. G. Leitner. 2,486,661-2, Nov. 1.
- Phonographic apparatus. W. K. Rieber. 2,479,640, Aug. 23.
- Phonographic apparatus. H. E. Roys. 2,491,215, Dec. 13.
- Phonographic apparatus, Door operated. E. O. Deaver. 2,485,575, Oct. 25.
- Phonographic record cabinet. K. H. Haag. 2,475,495, July 5.
- Phono-pickup. J. F. Gordon. 2,483,196, Sept. 27.
- Phosphate-impregnated acid-treated activated charcoal, Preparing a. K. B. Stuart. 2,464,902, Mar. 22.
- Phosphate minerals, Concentration of. J. B. Duke. 2,461,813, Feb. 15.
- Phosphate minerals from their ores, Concentration of. E. W. Greene and J. B. Duke. 2,461,817, Feb. 15.
- Phosphate rock, Defluorination of. E. J. Maust and C. A. Hollingsworth. 2,478,200, Aug. 9.
- Phosphatide composition, Fluid. H. Wittecoff. 2,483,748, Oct. 4.
- Phosphatides, Preparation of. R. A. Marmor and W. W. Moyer. 2,461,750-1, Feb. 15.
- Phospholipoid carrier for antioxidant. L. A. Hall. 2,464,928, Mar. 22.
- Phosphonic acid esters. W. O. Teeters. 2,460,043, Jan. 25.
- Phosphonic and thiophosphonic acid chlorides, Forming. W. H. Woodstock. 2,471,472, May 31.
- Phosphor. H. W. Leverenz. 2,470,627, May 17.
- Phosphor materials. H. W. Leverenz. 2,470,173, May 17.
- Phosphor materials. F. E. Williams. 2,470,449, May 17.
- Phosphor materials, Making. E. J. Wood. 2,474,506, June 28.
- Phosphor, VII type. N. F. Miller. 2,485,903, Oct. 25.
- Phosphorescent materials. C. L. Graham and H. J. Dietz. 2,478,387, Aug. 9.
- Phosphoric acid ester of hydrogenated sulfurized cardanol. L. C. Kemp, Jr. 2,475,143, July 5.
- Phosphoric acid, Manufacture of. M. R. Singer. 2,492,714, Dec. 27.
- Phosphoric acid solution, Inhibited. F. E. Dolian. 2,482,104, Sept. 20.
- Phosphors. E. J. Wood. 2,470,451, May 17.
- Phosphors and preparing same, Doubly activated infrared. J. J. Pittha and R. Ward. 2,462,547, Feb. 22.
- Phosphorus compounds, Manufacture of. F. R. Atherton, F. Bergel, A. Cohen, J. W. Haworth, H. T. Openshaw, and A. R. Todd. 2,490,573, Dec. 6.
- Photo identification for checks. B. L. Goldwater. 2,462,735, Feb. 22.
- Photocatalytic reactions, Process and apparatus for. J. H. Percy. 2,462,689, Feb. 22.
- Photocell structure. H. W. Betzler. 2,480,113, Aug. 30.
- Photochemical chlorination of long chain compounds. V. J. Frilette. 2,492,417, Dec. 27.
- Photo-composing type block. J. F. Murphy. 2,489,458, Nov. 29.
- Photocopy machine. A. Harvey. 2,492,476, Dec. 27.
- Photoelectric apparatus for detecting surface defects in glassware. E. R. Owens. 2,481,863, Sept. 13.
- Photoelectric apparatus for determining the physical properties of substances by alternating exposure to light. K. White, Jr. 2,486,622, Nov. 1.
- Photoelectric apparatus for measuring lap uniformity having means to minimize tension on the lap. R. A. Rusca and C. L. Sens. 2,466,615, Apr. 5.

- Photoelectric camera exposure control apparatus having planetary gears and concentric camera lens. P. F. Rosman and K. Rath. 2,467,946, Apr. 19.
- Photoelectric cell color temperature measuring device. H. L. Woodward, Jr. 2,462,823, Feb. 22.
- Photoelectric control apparatus. S. L. Burgwin and F. T. Bailey. 2,480,835, Sept. 6.
- Photoelectric devices, Operating. M. J. O. Strutt and A. van der Ziel. 2,469,852, May 10.
- Photoelectric exposure time and paper selector for photographic enlargers having slide rule type computers and stepwedges. A. Simmon. 2,462,339, Feb. 22.
- Photoelectric liquid level indicator. A. H. Hofberg. 2,490,627, Dec. 6.
- Photoelectric relay. E. C. Thomson. 2,466,751, Apr. 12.
- Photoelectric sorting, Two-dimensional. D. C. Cox. 2,474,230, June 28.
- Photoflash lamp. R. E. Andrea. 2,490,769, Dec. 13.
- Photofluoroscopic apparatus. R. J. Wagner. 2,492,339, Dec. 27.
- Photogrammetric apparatus having light dividing viewer. L. G. Trorey. 2,465,617, Mar. 29.
- Photogrammetric caliper. J. E. Henry and L. W. Crouch. 2,474,243, June 28.
- Photographer's lightproof bag. S. S. Zaleski. 2,487,506, Nov. 8.
- Photographic accessory. B. C. Hamilton. 2,482,479, Sept. 20.
- Photographic antihalation elements. D. M. McQueen. 2,462,527, Feb. 22.
- Photographic apparatus. C. O. Rolando. 2,491,769, Dec. 20.
- Photographic apparatus, Continuous motion. W. H. Harrison. 2,482,179, Sept. 20.
- Photographic apparatus employing a scanning device. V. E. Pratt and G. F. Gray. 2,487,671, Nov. 8.
- Photographic apparatus for processing film material. E. H. Land. 2,467,320, Apr. 12.
- Photographic apparatus for producing scales, dial faces, and the like. F. B. Meech. 2,488,091, Nov. 15.
- Photographic apparatus for recording theater attendance. J. J. Kaplan. 2,488,568, Nov. 22.
- Photographic apparatus for reproduction by direct or reflected light beams. S. W. Langdon. 2,468,935, May 3.
- Photographic contact screens, Manufacture of. J. A. C. Yule and F. B. Johnston. 2,478,444, Aug. 9.
- Photographic copying stand and apparatus, Combined. P. J. Browncombe. 2,470,844, May 24.
- Photographic developer antioxidants. R. W. Henn. 2,458,376, Jan. 4.
- Photographic developers. W. H. Wood. 2,477,323, July 26.
- Photographic developing machine having an extensible light-sealing hood and automatic film feed. E. E. Hopper. 2,463,386, Mar. 1.
- Photographic developing method and apparatus. W. D. Rose. 2,458,877, Jan. 11.
- Photographic element for radiography, Light-sensitive. O. W. Murray. 2,489,662, Nov. 29.
- Photographic elements, Color yielding. O. W. Murray. 2,481,476, Sept. 6.
- Photographic elements having hydrophilic polyvinyl acetal colloid sub-layers. D. W. Woodward. 2,462,151, Feb. 22.
- Photographic elements, Light-sensitive. O. W. Murray. 2,462,534, Feb. 22.
- Photographic emulsions, Preparing. W. G. Lowe and K. P. Griffin. 2,484,456, Oct. 11.
- Photographic enlarger exposure indicator. J. M. Benton. 2,460,443, Feb. 1.
- Photographic enlarger, Power-controlled. H. W. Sieker-mann. 2,492,898, Dec. 27.
- Photographic enlarging apparatus, Autofocus. G. R. C. Martinsson. 2,465,692, Mar. 29.
- Photographic film and process, Mixed grain multilayer. W. T. Hanson, Jr. 2,490,751, Dec. 6.
- Photographic film and screen holder. W. L. Appling. 2,461,405, Feb. 8.
- Photographic film, Antihalation. G. F. Nadeau. 2,481,770, Sept. 13.
- Photographic film base, Manufacture of. K. Famulener. 2,476,240, July 12.
- Photographic film employing hydrolyzed cellulose acetate emulsions. G. F. Nadeau and C. B. Starck. 2,458,403, Jan. 4.
- Photographic film holder. E. E. Garrett, R. C. Steck, and A. T. Yasensky. 2,471,522, May 31.
- Photographic gamma control. C. H. Smith. 2,458,437, Jan. 4.
- Photographic images by color development, Production of. P. R. Merckx. 2,473,166, June 14.
- Photographic images on plastic, Making. H. C. Staehle. 2,458,439, Jan. 4.
- Photographic mask of high isoelectric point gelatin, Making a. D. Dean and R. C. Houck. 2,487,858, Nov. 15.
- Photographic material and producing same, Color. B. Gaspar. 2,470,769, May 24.
- Photographic material, Bichromate sensitized. W. H. Griggs. 2,484,451, Oct. 11.
- Photographic method and apparatus. R. A. Florsheim. 2,490,794, Dec. 13.
- Photographic method of imprinting a design on globes. I. Miller and W. G. Marquette. 2,491,386, Dec. 13.
- Photographic numbering appliance for scenes for use in the photoelectric recording of sounds. E. de Selgas y Marin and A. Lafon y Soto. 2,490,338, Dec. 6.
- Photographic plural emulsion layer stripping film. A. B. Jennings. 2,462,503, Feb. 22.
- Photographic print straightener. C. J. Hughey. 2,458,381, Jan. 4.
- Photographic printing exposure control method and apparatus. J. Rabinowitz. 2,469,076, May 3.
- Photographic process for converting black-and-white or monochrome pictures into multicolor pictures. R. M. Haff. 2,461,469, Feb. 8.
- Photographic process for converting black and white or monochrome pictures into multicolor pictures. H. C. Harsh, R. M. Haff, and F. J. Kaszuba. 2,458,905, Jan. 11.
- Photographic processes for producing multicolor images. W. H. Ryan and V. K. Walworth. 2,471,547, May 31.
- Photographic projecting, enlarging, copying, and contact printing device. V. E. Pratt and G. F. Gray. 2,478,980, Aug. 16.
- Photographic reproduction and projection device for cathode-ray tube screens. G. C. J. Mol. 2,483,147, Sept. 27.
- Photographic scanning, Method and apparatus for. H. L. Cooke. 2,464,793, Mar. 22.
- Photographic shutter having flash synchronizer with safety interlock. A. Schwarz. 2,490,163, Dec. 6.
- Photographic silver halide emulsions, Production of. C. Waller and D. P. Woosley. 2,489,341, Nov. 29.
- Photographic stencils, Production of. D. C. Gresham and E. E. Loening. 2,459,129, Jan. 11.
- Photographic subtractive colored pictures and such pictures with a sound record, Producing. M. Deguignes. 2,489,175, Nov. 22.
- Photographing and developing apparatus, Automatic. R. W. Dart and S. Jenkins. 2,473,280, June 14.
- Photographing and developing apparatus, Double exposure. G. N. Pifer. 2,473,174, June 14.
- Photographing machine, Document. R. M. Hessert. 2,492,127, Dec. 20.
- Photography, Color. R. D. Bensley. 2,473,131, June 14.
- Photography, Composite. L. B. Pickley. 2,461,127, Feb. 8.
- Photography in relief. M. Bonnet. 2,485,811, Oct. 25.
- Photography, Infrared. F. Urbach. 2,482,815, Sept. 27.
- Photography practice, Chiropedic. A. Vogeli. 2,478,611, Aug. 9.
- Photogravure. O. R. Schultz, R. F. Nestle, and M. J. Romano. 2,482,638, Sept. 20.
- Photometer. J. H. Cornwall. 2,478,745, Aug. 9.
- Photometer, Logarithmic. M. H. Sweet. 2,478,163, Aug. 2.
- Photometer, X-ray absorption. T. A. Rich. 2,469,206, May 3.
- Photometric apparatus. W. J. Boyer. 2,483,876, Oct. 4.
- Photometric apparatus and spectrophotometer using polarized light and a multiple retardation plate. E. I. Stearns, Jr., and G. L. Buc. 2,471,249, May 24.
- Photometric apparatus and spectrophotometer using polarized light and an optically active plate. E. I. Stearns, Jr., and G. L. Buc. 2,471,248, May 24.
- Photometric apparatus for testing the cleanliness of dishes. P. J. De Koning. 2,487,112, Nov. 8.
- Photophone. C. L. Brown. 2,466,000, Apr. 5.
- Photopolymerization of vinylidene compounds with organic disulfides. L. M. Richards. 2,460,105, Jan. 25.
- Photoprinter having a safety device, Continuously operated. W. H. Morgan. 2,491,513, Dec. 20.
- Photorecording. F. Urbach. 2,482,813-14, Sept. 27.
- Phototube power supply circuit. F. J. Moles and P. C. Michel. 2,492,759, Dec. 27.
- Photovision. A. B. Du Mont. 2,472,889, June 14.
- Phthalein-aldehyde ion-exchange resins and preparing same. S. F. Rowland. 2,480,970, Sept. 6.
- Phthalic anhydride, Chlorination of. T. M. Amacker. 2,460,564, Feb. 1.
- Phthalic anhydride, Purification of. G. W. Steahly. 2,486,808, Nov. 1.
- Phthalic anhydride, Vapor phase chlorination of. T. M. Amacker. 2,460,565, Feb. 1.
- Phthalocyanine pigments from ω -chlorine or ω -bromine substituted θ -xylenes, Preparation of. H. Z. Lecher, R. E. Brouillard, and E. Baumgarten. 2,460,783, Feb. 1.
- Phthalocyanine polyhydroxyalkylsulfonamides. R. L. Mayhew. 2,459,773, Jan. 18.
- Phthalocyanine sulfonamidopyridines. A. L. Fox. 2,459,771, Jan. 18.
- Phthalocyanine toners for paints, enamels, and lacquers, Stabilized. E. E. Beard. 2,476,950-1, July 26.
- Physicochemical analysis, Method and apparatus for. L. B. Lipson. 2,462,270, Feb. 22.
- Physico-chemical analysis, Method and apparatus for. L. B. Lipson. 2,490,642, Dec. 6.
- Physiotherapy apparatus. A. K. Bjorkman. 2,481,564, Sept. 13.
- Physiotherapy device. R. Thomas. 2,492,406, Dec. 27.
- Piano. W. E. Janssen. 2,488,196, Nov. 15.
- Piano. H. B. Rhodes. 2,469,667, May 10.
- Piano. S. C. Shill. 2,469,668, May 10.
- Piano action. B. F. Miessner. 2,469,568, May 10.
- Piano action. W. H. Schultz. 2,470,654, May 17.
- Piano action. C. F. Smith. 2,466,498, Apr. 5.
- Piano action. C. F. Stein. 2,468,132, Apr. 26.
- Piano action, Vertical. V. M. Montoya. 2,469,308, May 3.

- Piano casing. W. Zaiser. 2,470,674, May 17.
 Piano construction. F. C. Socin. 2,486,337, Oct. 25.
 Piano construction. R. W. E. Sperry and J. C. Horth. 2,486,338, Oct. 25.
 Piano construction. G. H. Stapely. 2,474,599, June 28.
 Piano, Electric. F. Kerkhof. 2,482,548, Sept. 20.
 Piano, Electrical. O. J. Alvarez. 2,486,545, Nov. 1.
 Piano key action. D. Barnett. 2,472,740, June 7.
 Piano key mounting. H. A. Felder. 2,478,474, Aug. 9.
 Piano key mounting. E. C. Sloan. 2,470,659, May 17.
 Piano soundboard. J. Sauerland. 2,469,522, May 10.
 Pick and pick loom, Automatic. C. P. Bergstrom and A. J. Herard, Jr. 2,460,319, Feb. 1.
 Pick and pick loom, Weft replenishing. W. H. Wakefield. 2,460,318, Feb. 1.
 Pick mechanism for looms. J. M. Tuten. 2,483,987, Oct. 4.
 Picker. B. Czekalski. 2,465,852, Mar. 29.
 Picker, Automatic fowl. A. J. Toti and P. Princevalle. 2,469,345, May 3.
 Picker, Bean. C. W. Esch. 2,466,089, Apr. 5.
 Picker bumper for looms. C. Saurer. 2,491,909, Dec. 20.
 Picker check for looms. B. Higginson. 2,490,301, Dec. 6.
 Picker check for looms. E. C. Nichols. 2,489,973, Nov. 29.
 Picker, Cotton. C. V. Henley. 2,489,963, Nov. 29.
 Picker for looms. R. S. Nelson. 2,468,102, Apr. 26.
 Picker, Fruit. R. C. Baker. 2,475,687, July 12.
 Picker, Green corn. S. E. and O. G. Morral. 2,489,495, Nov. 29.
 Picker having double discharge husk-removing blower. Corn. C. F. Siefken. 2,492,897, Dec. 27.
 Picker, Loop. C. M. Fuller. 2,458,936, Jan. 11.
 Picker, Prune. J. M. Traverso. 2,482,383, Sept. 20.
 Picker stick. C. B. Lundstrom. 2,470,506, May 17.
 Picker stick. H. Menking. 2,471,532, May 31.
 Picker stick connection. J. Vanore. 2,466,287, Apr. 5.
 Picker stick sauber. F. G. Lake and J. W. Trimmer. 2,464,518, Mar. 15.
 Picker, Tractor-mounted corn. B. M. Hyman and E. K. Karlsson. 2,458,782, Jan. 11.
 Picker, Trash. W. Koepke. 2,463,184, Mar. 1.
 Picking machine, Cranberry. E. L. Tebbetts. 2,459,471, Jan. 18.
 Picking machine, Rock. J. Bestland. 2,491,079, Dec. 13.
 Picking machine, Stitch. G. C. Bennett. 2,476,691, July 19.
 Picking mechanism and picker stick therefor. W. A. Blanchard. 2,491,083, Dec. 13.
 Picking mechanism for looms. G. C. Beatrice. 2,481,812, Sept. 13.
 Picking mechanism for looms. E. A. Santon. 2,486,885, Nov. 1.
 Picking apparatus. I. Zajac. 2,489,605, Nov. 29.
 Picking of stainless steels. J. J. Healy, Jr., M. H. Taylor, and F. A. Abbiati. 2,474,526, June 28.
 Picking, Stainless steel. F. C. Abbott. 2,488,108, Nov. 15.
 Pick-off device for electrical control systems. O. E. Esval. 2,484,022, Oct. 11.
 Pickproof lock. M. Segal. 2,491,337, Dec. 13.
 Picks and like tools. J. C. Roche. 2,462,427, Feb. 22.
 Pickup and system, Variable resistance phonograph. W. L. Eckhardt and M. Carwein. 2,476,848, July 19.
 Pickup and volume control, Microphone. H. De Armond. 2,486,263, Oct. 25.
 Pickup apparatus for aerial cargo. H. B. Cowgill, Jr. 2,467,112, Apr. 12.
 Pickup attachment for rakes. A. Erickson. 2,486,395, Nov. 1.
 Pickup, Capacity type. C. M. Sinnett. 2,465,288, Mar. 22.
 Pickup, Combine. R. J. Lee. 2,477,257, July 26.
 Pickup device and balancing the device, Magnetic. E. M. Irwin. 2,491,736, Dec. 20.
 Pickup device, Airplane. J. H. Connelly. 2,479,316, Aug. 16.
 Pickup device for aircraft. R. R. Beddow. 2,481,280, Sept. 6.
 Pickup device, Phonograph. E. O. Thompson. 2,480,272, Aug. 30.
 Pickup, Electromagnetic. H. F. Schwarz. 2,469,933, May 10.
 Pickup, Electrostatic. W. H. Unger. 2,482,081, Sept. 13.
 Pickup, Floating. S. D. Pool. 2,488,738, Nov. 22.
 Pickup having fulcrum suspended drive arm, Phonograph. B. B. Bauer. 2,486,099, Oct. 25.
 Pickup having plastic torsion arm, Phonograph. W. H. Hutter. 2,476,414, July 19.
 Pickup having resilient coupling member, Piezoelectric phonograph. A. Schumann. 2,492,446, Dec. 27.
 Pickup, Magnetic phonograph. L. B. Cornwell. 2,485,432, Oct. 18.
 Pickup, Pressure. G. P. Sutton, C. M. Wolfe, and J. A. Widenmann. 2,485,515, Oct. 18.
 Pickup system, Air-sea personnel rescue. R. N. Hoehn and H. E. Rohan. 2,488,538, Nov. 22.
 Pick-up, Temperature compensated vibration. F. K. Slason. 2,472,127, June 7.
 Pickup, Torsional vibration. S. Stein. 2,469,417, May 10.
 Pickup unit, Continuous glider target. R. B. Cotton. 2,464,073, Mar. 8.
 Pickup unit, Electromagnetic. R. J. Rockwell. 2,488,504, Nov. 15.
 Pickup unit, Phonograph. S. R. Rich. 2,484,960, Oct. 18.
 Pickup with mechanical filter, Phonograph. H. P. Kalmus. 2,473,650, June 21.
 Pickup with two needles. E. F. Andrews. 2,479,894, Aug. 23.
 Picnic set. A. W. Jenkins. 2,470,492, May 17.
 Picture centering mechanism for motion-picture projection apparatus. A. M. B. Charlin. 2,458,346, Jan. 4.
 Picture disk and viewer therefor, Stereoscopic. G. M. Mast. 2,487,459, Nov. 8.
 Picture frame holder. A. D. Scully. 2,465,400, Mar. 29.
 Picture hanger. E. M. Johnson. 2,463,110, Mar. 1.
 Picture hanger. E. W. Miller. 2,488,925, Nov. 22.
 Picture transfer process. S. Barnola. 2,489,987, Nov. 29.
 Pier for offshore drilling rigs. A. S. Hackett. 2,475,888, July 12.
 Piezoelectric apparatus. J. J. Cress. 2,471,143, May 24.
 Piezoelectric crystal. V. E. Bottom. 2,486,916, Nov. 1.
 Piezoelectric crystal apparatus. W. P. Mason. 2,484,635, Oct. 11.
 Piezoelectric crystal apparatus. W. P. Mason. 2,486,187, Oct. 25.
 Piezoelectric crystal element. H. Jaffe. 2,483,640-1, Oct. 4.
 Piezoelectric crystal filter. A. R. D'heenedene. 2,459,019, Jan. 11.
 Piezoelectric crystal holder. J. B. Adams, Jr. 2,482,451, Sept. 20.
 Piezoelectric crystal holder. E. B. Hansell. 2,488,290, Nov. 15.
 Piezoelectric crystal holder. C. D. Moriarty. 2,458,288, Jan. 4.
 Piezoelectric crystal holder. R. Smoluchowski. 2,460,153, Jan. 25.
 Piezoelectric crystal holder. J. M. Wolfskill. 2,481,806, Sept. 13.
 Piezoelectric crystal mounting. M. L. Smith. 2,484,428, Oct. 11.
 Piezoelectric crystal unit. F. W. Flynn. 2,482,730, Sept. 20.
 Piezoelectric device. R. W. Tibbetts. 2,472,179, June 7.
 Piezoelectric transducer and producing same. C. K. Gravelley. 2,486,150, Oct. 25.
 Piezoelectrical apparatus. G. Diemer. 2,488,586, Nov. 22.
 Piezometric thermionic tube. J. Rothstein. 2,474,280, June 28.
 Pigment complex, including a reacted starch, The preparation of a. W. L. Craig. 2,457,797, Jan. 4.
 Pigment, Phosphorescent. N. F. Miller. 2,458,286, Jan. 4.
 Pigment, Phosphorescent. F. Stern. 2,475,437, July 5.
 Pigmented polystyrene, Making. E. D. Morris and S. S. Drake. 2,489,226, Nov. 22.
 Pigments, Fluorescent zinc oxide. L. J. Reimert and E. A. Fatzinger. 2,481,344, Sept. 6.
 Pile. J. H. Derby. 2,470,149, May 17.
 Pile and making the same. J. H. Thornley. 2,465,557, Mar. 29.
 Pile driver, Portable. W. R. Fairchild. 2,477,867, Aug. 2.
 Pile fabric. W. N. Moore. 2,482,682, Sept. 20.
 Pile fabric. G. J. Underwood. 2,492,670, Dec. 27.
 Pile fabric, Forming. W. N. Moore. 2,482,683, Sept. 20.
 Pile fabrics, Manufacture of. H. Van Issum. 2,480,984, Sept. 6.
 Pile fabrics, Manufacture of cut filling. O. D. Frost. 2,490,041, Dec. 6.
 Pile splice. K. and R. Kershaw. 2,461,739, Feb. 15.
 Pile yarns and fabrics, Making. H. P. Faris. 2,475,019, July 5.
 Piler, Sheet. W. W. Beaumont and A. Teplitz. 2,489,004, Nov. 22.
 Piler, Sheet. J. W. McWilliams. 2,492,024, Dec. 20.
 Pill dispenser. L. A. Epplin. 2,475,738, July 12.
 Pillow, Abdominal. L. D. and H. B. Brose. 2,473,136, June 14.
 Pillow block. J. T. Ruist. 2,467,994, Apr. 19.
 Pillow block bearing. K. W. Strunk. 2,479,791, Aug. 23.
 Pillow envelope and bed sheet, Combination. M. Schiller. 2,462,780, Feb. 22.
 Pillow, Folding mechanical. E. Moyers. 2,461,434, Feb. 8.
 Pilot and burner control. A. C. Schickler. 2,483,939, Oct. 4.
 Pilot, Automatic safety. R. E. Newell. 2,465,918, Mar. 29.
 Pilot device for tray type oil burners, Oil. K. S. Jensen. 2,482,912, Sept. 27.
 Pilot engaging means, Automatic. M. C. Hamby. 2,466,702, Apr. 12.
 Pilot for helicopters, Automatic. W. A. Ayres and M. F. Bates. 2,479,549, Aug. 23.
 Pilot for horizontal pot burners. H. A. Yauger and G. W. Goette. 2,482,700, Sept. 20.
 Pilot for pot type oil burners, Quadrant. M. D. Huston. 2,460,013, Jan. 25.
 Pilot light. J. W. Raper. 2,479,258, Aug. 16.
 Pilot light indicator for molten steel temperature, Electronic. M. Tinkham and D. G. Harris. 2,475,362, July 5.
 Pilot operated servo valve. A. P. Waterson. 2,464,626, Mar. 15.
 Pilot or master valve. O. E. Watson. 2,469,757, May 10.
 Pilot valve. F. W. Schneck. 2,474,122, June 21.
 Pimelic acid esters, Preparing. M. Grunfeld and M. E. Battigne. 2,466,588, Apr. 5.

- Pin: See—
 Bobby pin. Hollow bowling pin.
 Bone pin. Laminated wooden bowl-
 Clevis pin. ing pin.
 Electrode connecting pin. Obturator firing pin.
 Hair curl holder pin. Removable guide pin.
 Hair curl pin. Safety pin.
 Hair fastening pin. Self-locking hitch pin.
 Pin control for web folding machines. N. Bishop.
 2,486,703, Nov. 1.
 Pin device, Tractor hitch. B. E. Seward. 2,459,245, Jan. 18.
 Pin for firearms, Detachable. J. Campbell, Jr. 2,478,566, Aug. 9.
 Pin-forming and button-pinning machine. J. G. Wegman. 2,473,116, June 14.
 Pin or clasp. C. C. Holden. 2,463,692, Mar. 8.
 Pin-setting machine. L. B. Girard. 2,479,159, Aug. 16.
 Pin-setting machine. J. T. Wheeler. 2,479,190, Aug. 16.
 Pin-type coupling. A. Berteau. 2,479,807, Aug. 23.
 Pinup vanity case holder. C. C. Di Stiso. 2,491,166, Dec. 13.
 Pincer device for removably securing a dental prosthesis. F. and P. Sevelhac, L. Cazeneuve, and P. Catharina. 2,483,353, Sept. 27.
 Pincers. B. Marcoux. 2,489,580, Nov. 29.
 Pinch lock. O. C. Sare. 2,467,914, Apr. 19.
 Pinene to terpin hydrate, Conversion of. R. G. King. 2,481,845, Sept. 13.
 Pintle chain. L. H. Morin. 2,460,524, Feb. 1.
 Pintle structure. S. Jeffrey. 2,477,877, Aug. 2.
 Pipe: See—
 Cast-iron pipe. Smoking pipe.
 Composite pipe. Tobacco pipe.
 Coupling pipe. Tobacco smoke pipe.
 Smoker's pipe.
 Pipe. E. E. Smatt. 2,472,444, June 7.
 Pipe. L. G. Wilhelm. 2,470,009, May 10.
 Pipe and cable coupling. R. A. W. Spooner. 2,467,100, Apr. 12.
 Pipe and tube cutter. L. Quijada. 2,481,446, Sept. 6.
 Pipe assembly in a driven well. C. A. Gerweck and R. G. Scheid. 2,488,470, Nov. 15.
 Pipe attachment, Exhaust. W. C. Curphy. 2,468,961, May 3.
 Pipe attachment, Tobacco. A. Morris. 2,459,670, Jan. 18.
 Pipe bracket. B. I. Downs. 2,484,615, Oct. 11.
 Pipe-bending machine. G. D. Hulburt and R. E. Conaway. 2,467,671, Apr. 19.
 Pipe bending machine. F. Ingemarson. 2,481,514, Sept. 13.
 Pipe-bending machine. G. R. Newton. 2,464,459, Mar. 15.
 Pipe-bending tool. H. H. Snyder. 2,464,002, Mar. 8.
 Pipe bends and the Hke, Method and apparatus for making. E. Bennett. 2,480,315, Aug. 30.
 Pipe bowl turning machine. J. L. Rettke and E. H. Otto. 2,461,443, Feb. 8.
 Pipe clamp. C. Adams, Jr. 2,473,046, June 14.
 Pipe clamp. P. G. Damstra. 2,471,611, May 31.
 Pipe clamp. S. M. Kass. 2,462,504, Feb. 22.
 Pipe cleaner. C. H. Mosher. 2,470,940, May 24.
 Pipe-cleaning machine. W. A. Kraner. 2,460,989, Feb. 8.
 Pipe cleaning power cable feeder. J. Di Joseph. 2,468,490, Apr. 26.
 Pipe-cleaning snake and operating handle therefor. F. E. Flinn. 2,479,224, Aug. 16.
 Pipe closure and fastening means therefor. J. A. Jensen. 2,465,727, Mar. 29.
 Pipe connection. W. H. Francisco, Jr., E. C. Steiner, and H. C. Hill. 2,460,981, Feb. 8.
 Pipe connection. A. J. Hiertz. 2,462,040, Feb. 15.
 Pipe connection. H. C. Hill and W. H. Francisco. 2,460,984, Feb. 8.
 Pipe connection, Adjustable. J. O'Shaughnessy. 2,484,354, Oct. 11.
 Pipe connection and packing ring therefor. P. Boissou. 2,470,883, May 24.
 Pipe connection clip. J. F. Köhnke. 2,477,696, Aug. 2.
 Pipe connection, House service. C. E. Norton. 2,487,939, Nov. 15.
 Pipe coupler, Irrigation. J. R. Chapin. 2,487,311, Nov. 8.
 Pipe coupling. J. B. Graham. 2,491,004, Dec. 13.
 Pipe coupling. J. C. Hobbs. Re. 23,137, July 26.
 Pipe coupling. G. A. Lowrey. 2,471,759, May 31.
 Pipe coupling. J. Marco. 2,479,580, Aug. 23.
 Pipe coupling. J. A. Matousek. 2,463,707, Mar. 8.
 Pipe coupling. J. A. Muller. 2,459,956, Jan. 25.
 Pipe coupling. H. B. L. Newman. 2,459,389, Jan. 18.
 Pipe coupling. C. Reilly. 2,467,911, Apr. 19.
 Pipe coupling. U. T. Walker. 2,462,575, Feb. 22.
 Pipe coupling. D. Woytal, M. J. Busch, and F. A. Woytal. 2,467,922, Apr. 19.
 Pipe coupling. P. D. Wurzbarger. 2,474,178, June 21.
 Pipe coupling. D. S. Young. 2,469,538, May 10.
 Pipe coupling device. R. S. West. 2,491,884, Dec. 20.
 Pipe-coupling, Flexible. G. J. Andrews. 2,463,235, Mar. 1.
 Pipe coupling tool. A. J. Harrison. 2,472,530, June 7.
 Pipe couplings, Self-closing. P. E. Thomas. 2,471,798, May 31.
 Pipe cutoff machine. R. L. Hibbard. 2,459,075, Jan. 11.
 Pipe cutting, crimping, and beading machine. C. W. Ingram. 2,488,015, Nov. 15.
 Pipe cutting tool. S. E. Milan. 2,466,179, Apr. 5.
 Pipe elbow marking device. D. I. Gantz. 2,464,444, Mar. 15.
 Pipe expansion joint. T. W. F. Brown. 2,472,279, June 7.
 Pipe extension, Exhaust. C. W. Chester. 2,489,480-1, Nov. 29.
 Pipe facing machine. R. P. Norton. 2,490,371, Dec. 6.
 Pipe fitting. C. Adams, Jr. 2,473,045, June 14.
 Pipe fitting. C. A. Lapp. 2,470,499, May 17.
 Pipe fitting. E. H. Taylor. 2,465,556, Mar. 29.
 Pipe flange, Two-piece welding. N. J. Riley. 2,460,311, Feb. 1.
 Pipe for converter tuyères, Punching. T. W. Cavers, J. A. C. Franklin, R. C. Mott, and H. F. C. Taylor. 2,480,394, Aug. 30.
 Pipe forming machine, Concrete. N. Tankovich. 2,482,949, Sept. 27.
 Pipe hanger. J. A. Land. 2,466,247, Apr. 5.
 Pipe insulation, Reinforced refractory. W. E. Schmidt. 2,482,878, Sept. 27.
 Pipe joint. R. Batchler. 2,462,348, Feb. 22.
 Pipe joint. P. F. Donahue. 2,485,960, Oct. 25.
 Pipe joint. P. R. Hirsh. 2,470,818, May 24.
 Pipe joint. C. W. Howard. 2,472,425, June 7.
 Pipe joint. H. L. Lefevre-Selmer. 2,490,640, Dec. 6.
 Pipe joint. J. Lubbock. 2,468,885, May 3.
 Pipe joint. C. W. Miskimen. 2,461,337, Feb. 8.
 Pipe joint. A. H. Mosher. 2,490,149, Dec. 6.
 Pipe joint. C. W. Nichols. 2,483,591, Oct. 4.
 Pipe joint. A. E. Osborn. 2,479,960, Aug. 23.
 Pipe joint. V. V. Scaringella. 2,482,558, Sept. 20.
 Pipe joint. S. D. Shearman. 2,459,005, Jan. 11.
 Pipe joint. R. B. Shore. 2,482,944, Sept. 27.
 Pipe joint. J. W. Simpson. 2,478,508, Aug. 9.
 Pipe joint. G. E. Smith. 2,488,245, Nov. 15.
 Pipe joint. W. A. Whiting. 2,477,533, July 26.
 Pipe joint. C. C. Whittaker and W. H. Eunson. 2,488,460, Nov. 15.
 Pipe-joint compound. J. P. De Lorenzo. 2,490,949, Dec. 13.
 Pipe-joint test plug. E. Henderson. 2,481,013, Sept. 6.
 Pipe-line recovery device. B. D. Marks and O. E. Dillon. 2,470,255, May 17.
 Pipe-line support. H. G. Engelke. 2,472,654, June 7.
 Pipe-line union for electrolysis control, Insulated. T. J. Tudor. 2,465,669, Mar. 29.
 Pipe-line valve. J. T. Lusignan, Jr. 2,490,913, Dec. 13.
 Pipe lining mechanism, Concrete. A. G. Butler. 2,491,890, Dec. 20.
 Pipe mitering apparatus. M. N. Lebedeff. 2,459,823, Jan. 25.
 Pipe nipples or the like, Manufacturing. R. J. Freter. 2,480,011, Aug. 23.
 Pipe oiler for rotary swivels, Automatic wash. G. R. Tremolada. 2,470,960, May 24.
 Pipe patch, High-pressure. J. J. Tipton. 2,492,507, Dec. 27.
 Pipe pattern maker. J. W. Moore. 2,466,464, Apr. 5.
 Pipe plug. J. Johnson. 2,462,748, Feb. 22.
 Pipe rack. H. J. Woolslayer, E. A. Campbell, and C. Jenkins. 2,464,109, Mar. 8.
 Pipe racking apparatus. J. E. Whited. 2,470,279, May 17.
 Pipe spinning device, Drill. W. A. Abegg. 2,488,107, Nov. 15.
 Pipestem cleaner. I. Berlin, F. L. Graham, and D. McCann. 2,486,247, Oct. 25.
 Pipe support clamp. P. C. Cantrell. 2,469,949, May 10.
 Pipe terminal, Insulated. T. F. M. Williamson. 2,478,552, Aug. 9.
 Pipe thread cleaning tool. W. W. Williams. 2,489,443, Nov. 29.
 Pipe tong having means for distributing pressure between the jaws. C. A. Lundeen. 2,466,032, Apr. 5.
 Pipe truss. J. N. Newell. 2,487,169, Nov. 8.
 Pipe with adjustable tube, Smoker's. H. Brown. 2,476,080, July 12.
 Pipe wrench and vise, Combined. E. Seaver. 2,483,713, Oct. 4.
 Pipe wrench having slidable inner jaw actuated by rotatable handle. Rockable outer-jaw. J. A. Mitchell. 2,486,755, Nov. 1.
 Piperazine carboxamides and preparing same. S. Kushner and L. Brancane. 2,467,893, Apr. 19.
 Piperazine derivatives and preparing the same. S. Kushner and L. Brancane. 2,467,895, Apr. 19.
 Piperazine, Preparation of. B. G. Wilkes, Jr. 2,479,657, Aug. 23.
 Piperazine, Producing. W. F. Gresham and W. M. Bruner. 2,467,205, Apr. 12.
 Piperidine compounds and making same. K. Miescher and H. Kaegi. 2,486,793, Nov. 1.
 Piperine compositions, Light-sensitive. A. Murray. 2,475,980, July 12.
 Piperylene, Concentration of. R. F. Robey. 2,459,454, Jan. 18.
 Pipes and conduits of clayware, Method of and apparatus for making. J. F. Booth. 2,480,442, Aug. 30.
 Pipes, Jointing of flexible. J. L. Sayers. 2,470,373, May 17.
 Pistol, Autoloading. H. E. Seagraves. 2,468,784, May 3.
 Pistol, Automatic cap. W. Riederich. 2,457,921, Jan. 4.
 Pistol, Full automatic. H. J. Kennedy. 2,462,505, Feb. 22.

- Pistol sight, Adjustable. E. H. Young. 2,484,368, Oct. 11.
- Piston. J. A. Brockmeyer. 2,478,179, Aug. 9.
- Piston. L. W. Davis. 2,465,792, Mar. 29.
- Piston. T. B. Dilworth. 2,463,025, Mar. 1.
- Piston. L. E. Endsley, W. W. Schettler, and J. H. Lentell. 2,472,238, June 7.
- Piston. G. C. Ramspeck. 2,462,550, Feb. 22.
- Piston. C. G. A. Rosen and R. P. Van Zandt. 2,483,674, Oct. 4.
- Piston. F. G. Stock. 2,484,474, Oct. 11.
- Piston. W. M. Venner and P. L. Bowser, Jr. 2,465,766-7, Mar. 29.
- Piston and assembly, Reciprocating pump. A. L. Leman. 2,473,064, June 14.
- Piston and cylinder assembly embodying a solenoid controlled valve. J. B. Parsons. 2,479,398, Aug. 16.
- Piston and cylinder construction. J. H. Schreiber. 2,486,615, Nov. 1.
- Piston and cylinder construction for reciprocating hydraulic motors. L. E. Godfriaux. 2,471,484, May 31.
- Piston and expansion means therefor. D. Bushby. 2,464,554, Mar. 15.
- Piston and locked ring assembly and piston ring locking clip. J. Williams. 2,481,552-3, Sept. 13.
- Piston, Combustion engine. S. D. Hartog. 2,476,256, July 12.
- Piston compressors, Governing of free. R. J. Welsh. 2,467,513, Apr. 19.
- Piston construction for internal-combustion engines and sleeve-like piston ring construction therefor. R. W. Stadman. 2,462,567, Feb. 22.
- Piston coupling mechanism. H. S. Hoffar. 2,473,430, June 14.
- Piston displacement mechanism, Planetary. J. O. Porteous. 2,476,383, July 19.
- Piston engine. B. Marton and E. Reich. 2,491,869, Dec. 20.
- Piston engine comprising heat exchange devices, Caloric. G. J. H. Vermeer. 2,475,764, July 12.
- Piston engines, Lubrication of. W. J. van Heeckeren, H. H. Meyer, and H. Rinia. 2,488,354, Nov. 15.
- Piston expander, Drive-in type. G. J. Worel. 2,463,667, Mar. 8.
- Piston-expanding machine. A. J. Davis. 2,488,176, Nov. 15.
- Piston fluid displacement mechanism, Planetary. J. Mikulasek. 2,475,247, July 5.
- Piston for combustion, steam, and other engines. T. Madson. 2,478,294, Aug. 9.
- Piston for high-compression engines. S. M. Zoromskis. 2,474,564, June 28.
- Piston for hydraulic jacks. C. K. Cook. 2,468,322, Apr. 26.
- Piston for hydraulic shock absorbers. E. F. Rossman. 2,467,098, Apr. 12.
- Piston for internal-combustion engines, Multiple. R. Soltesz. 2,458,111, Jan. 4.
- Piston for use in internal-combustion engines. Hsin-Ya Tien. 2,472,928, June 14.
- Piston machine, Multicylinder free. E. Mercier. 2,491,679, Dec. 20.
- Piston packing. H. Bonnaud. 2,471,477, May 31.
- Piston packing ring. F. D. Frisby. 2,459,157, Jan. 18.
- Piston packing ring. C. A. Marien. 2,465,896, Mar. 29.
- Piston, Pump. H. C. Sander. 2,460,948, Feb. 8.
- Piston, Pump. H. M. Smith. 2,487,390, Nov. 8.
- Piston ring. V. D. Ackerman. 2,488,697, Nov. 22.
- Piston ring. A. M. Brenneke. 2,474,413, June 28.
- Piston ring. E. Caza. 2,485,862, Oct. 25.
- Piston ring. E. E. Frazier. 2,469,959, May 10.
- Piston ring. M. W. Marien. 2,465,521, Mar. 29.
- Piston ring. G. C. Mayfield. 2,486,359, Oct. 25.
- Piston ring. T. E. McFall. 2,466,252-3, Apr. 5.
- Piston ring. J. C. Meador. 2,472,540, June 7.
- Piston ring. H. P. Phillips. 2,460,431, Feb. 1.
- Piston ring. H. P. Phillips. 2,481,340, Sept. 6.
- Piston ring. D. M. Smith. 2,459,395, Jan. 18.
- Piston ring blank. H. M. Olson. 2,482,990, Sept. 27.
- Piston ring element. H. P. Phillips. 2,466,474, Apr. 5.
- Piston ring groove cleaner. W. E. Law. 2,480,745, Aug. 30.
- Piston rod packing. G. H. Bausman. 2,468,285, Apr. 26.
- Piston rod packing. A. H. Heinrich. 2,468,752, May 3.
- Piston rod packing lubricator. F. N. Dickerman. 2,473,139, June 14.
- Piston rod packing lubricator. A. L. Dow. 2,480,229, Aug. 30.
- Piston, Slush pump. H. B. Young. 2,470,541, May 17.
- Piston with annular heat dam in the head. A. J. Morris. 2,473,254, June 14.
- Pit, Barbecue. C. E. Moseley. 2,471,375, May 24.
- Pit-prop and the like. R. G. Cable. 2,474,464, June 28.
- Pit type furnace. J. M. Guthrie. 2,478,190, Aug. 9.
- Pitch adjusting mechanism for propellers. D. B. Cooley. 2,478,244, Aug. 9.
- Pitch changing device for musical instruments. W. E. Smith. 2,487,193, Nov. 8.
- Pitch changing mechanism. J. E. Anderson. 2,462,932, Mar. 1.
- Pitch control mechanism for helicopter rotors. T. H. Thompson. 2,476,516, July 19.
- Pitch propeller, Adjustable. F. W. Turnbull. 2,487,836, Nov. 15.
- Pitch propeller, Automatic adjustable. A. I. Mount and K. A. Raypholtz. 2,481,032, Sept. 6.
- Pitch propeller, Controllable. J. Stuart, III, and W. D. Berkley. 2,476,638, July 19.
- Pitcher. J. C. Procter. 2,490,541, Dec. 6.
- Pitcher, with tube for holding coolants. G. Gladstone. 2,468,661, Apr. 26.
- Pitor head. K. L. Anderson. 2,482,701, Sept. 20.
- Pitter, Cherry. C. N. and H. R. Springer. 2,470,905, May 24.
- Pitman for power presses. Safety overload. D. A. Rogers and J. T. Gondek. 2,491,279, Dec. 18.
- Pitter, Fruit. I. M. Cowan. 2,463,854, Mar. 8.
- Pitting machine, Fruit. C. E. Cole and E. J. Derderian. 2,480,357, Aug. 30.
- Pivot, Damper. W. C. De Roo. 2,488,006, Nov. 15.
- Pivotal bracket. A. E. Nelson. 2,469,981, May 10.
- Pivoted counterbalanced car top carrier. C. E. Burkey. 2,492,841, Dec. 27.
- Pivoted inner jaw pipe wrench. L. B. Jensen. 2,463,774, Mar. 8.
- Pivoted inner jaw wrench. G. L. Watson, II. 2,470,007, May 10.
- Pivoted jaw wrench actuated by torque-applying extension handle. R. C. Knecht. 2,481,024, Sept. 6.
- Placement apparatus, Concrete. C. I. Longenecker. 2,485,208, Oct. 18.
- Plane, Power lift. D. K. Warner. 2,462,578, Feb. 22.
- Planer and molding head, Circular burnisher. C. A. Walters. 2,474,559, June 28.
- Planer, Form tool. J. Martin. 2,477,490, July 26.
- Planetary gearing, Centrifugally controlled. H. E. Korum. 2,458,389, Jan. 4.
- Planetary piston fuel pump. R. O. Balogh. 2,460,617, Feb. 1.
- Plant, Electric power. G. B. Dorey. 2,476,086, July 12.
- Plant for heating galvanizing baths and other baths for containing molten material. J. J. Stordy. 2,478,062, Aug. 2.
- Plant for the production and heating of compressed air. R. Ruegg. 2,478,504, Aug. 9.
- Plant, Gas turbine. W. Traupel. 2,460,610, Feb. 1.
- Plant growth compositions. D. W. Jayne, Jr. H. M. Day, and K. G. Noland. 2,468,075, Apr. 26.
- Plant product and making same, Expanded. C. W. Chapin. 2,489,267, Nov. 29.
- Plant regulant composition and method. J. F. Lontz. Re. 23,115, May 24.
- Plant setting device. W. H. Bancroft. 2,463,938, Mar. 8.
- Plant topping machine. P. Read. 2,476,910, July 19.
- Plant, Vehicular mixing. P. R. McEachran. 2,487,887, Nov. 15.
- Planter, Beet seed. E. Bergh. 2,479,534, Aug. 16.
- Planter, Potato. J. M. Bettendorf. 2,480,897, Sept. 6.
- Planter, Seed. J. Blue. 2,468,023, Apr. 26.
- Plaster applying mechanism. A. Salman and M. B. Bartlett. 2,466,646, Apr. 5.
- Plaster cast cutter. R. C. Marsh. 2,490,878, Dec. 13.
- Plaster of Paris bonded molds with liquid hydrocarbon prior to autoclaving. Treatment of. X. L. Bean. 2,480,896, Sept. 6.
- Plaster of Paris, Manufacture of. C. L. Haddon. 2,460,266-7, Feb. 1.
- Plaster of Paris, Manufacturing. B. E. Roethel. 2,485,317, Oct. 18.
- Plastic articles, Method and apparatus for forming. G. A. Lyon. 2,478,199, Aug. 9.
- Plastic articles, Process and apparatus for making variegated. N. O. Broderson and E. C. Broderson. 2,477,170, July 26.
- Plastic coated wood propellers or impellers, Manufacturing. M. M. Sensesich. 2,482,375, Sept. 20.
- Plastic coating. R. W. Holden. 2,459,279, Jan. 18.
- Plastic composition. A. C. Buechele. 2,462,053, Feb. 22.
- Plastic composition, Adhesive waterproof. L. C. Caves. 2,470,141, May 17.
- Plastic composition and product, Apparatus and method for making a. R. W. Chaffee. 2,460,571, Feb. 1.
- Plastic composition comprising vinyl resin and dicarbonate ester. F. J. Held, Jr., and R. P. Blaine. 2,468,975, May 3.
- Plastic composition for coating wire. H. E. Smith. 2,483,441, Oct. 4.
- Plastic composition of a polyvinyl chloride resin and an asphaltic material. P. C. Doyle and K. H. Rudd. 2,464,219, Mar. 15.
- Plastic compositions made with vulcanized polyethylene glycol esters as plasticizers. P. Stamberger. 2,459,298, Jan. 18.
- Plastic fishhook holder. S. Behr. 2,488,160, Nov. 15.
- Plastic fungicidal composition and making the same. H. E. Smith. 2,490,100, Dec. 6.
- Plastic injection apparatus and method. W. P. Cousino. 2,471,814, May 31.
- Plastic mass in a liquid, Mixing a. C. I. F. Hjort and O. V. E. Jansa. 2,460,884, Feb. 8.
- Plastic material extrusion head. G. Cozzo. 2,461,630, Feb. 15.
- Plastic materials and compounding ingredients, Associating. R. T. Henson, G. L. Wheelock, and L. H. Riggs. 2,485,287, Oct. 18.
- Plastic paper clip. J. de Swart. 2,478,376, Aug. 9.
- Plastic picture frame. E. D. Kissling. 2,486,174, Oct. 25.

- Plastic, Production of laminated. G. K. Dickerman. 2,463,856, Mar. 8.
- Plastic products from wood (sulfur cook process), Manufacture of. J. G. Meiler. 2,490,078, Dec. 6.
- Plastic scrap, Reclaiming. I. Miller and A. L. Beiser. 2,470,361, May 17.
- Plastic sheet material, Folding. R. F. Taber. 2,487,494, Nov. 8.
- Plastic sheets, Producing surface decorated. B. L. Smith. 2,472,551, June 7.
- Plastic substances from glycerol-containing fermentation stillage and dicarboxylic acids or anhydrides and products thereof, Preparing. D. A. Legg and M. M. Rayman. 2,466,774, Apr. 12.
- Plastic switch. F. L. Oleson. 2,487,268, Nov. 8.
- Plasticity of doughs. E. G. Marhofer. 2,492,588, Dec. 27.
- Plasticization process, Continuous. D. J. Buckley and A. L. Chaney. 2,466,300, Apr. 5.
- Plasticized composition of polyvinyl acetal. S. Zweig. 2,492,512, Dec. 27.
- Plasticized compositions. B. A. Dombrow and J. J. Miskel. 2,465,072-3, Mar. 22.
- Plasticized elastomer compositions containing N-(hydroxyalkyl)-amides and their fatty acid esters. P. F. Tryon. 2,474,793, June 28.
- Plasticized granular slag-forming mass for electric welding, Preparing. A. J. ter Berg and G. J. van Wijnen. 2,481,479, Sept. 6.
- Plasticizer. L. D. Myers and J. D. Fitzpatrick. 2,474,010, June 21.
- Plasticizer composition, Rubber. F. J. Soday. 2,471,789, May 31.
- Plasticizers. L. D. Myers and R. W. Webster. 2,485,910, Oct. 25.
- Plasticizers or softeners for butyl rubber, Chemical. J. Rehner, Jr., and P. J. Flory. 2,462,674, Feb. 22.
- Plasticizing agents comprising dialkyl phenyl-phosphonates and compositions containing the same. A. D. F. Toy. 2,471,463, May 31.
- Plasticizing knitted goods made from thermoplastic yarn. A. E. Collidge, E. C. Daves, and T. A. Gilbert. 2,474,093, June 21.
- Plasticizing of synthetic elastomers. J. P. Haworth and F. P. Baldwin. 2,466,301, Apr. 5.
- Plastics, Fungistatic. H. E. Smith and W. Harden. 2,491,287, Dec. 13.
- Plastics of increased strength, Reinforced. J. A. Grant and D. E. Babcock. 2,477,407, July 26.
- Plasticification of ultramarine raw mix, Dustless. C. S. Wolf and W. J. Kruppa. 2,468,610, Apr. 26.
- Plate and lighting equipment using the same, Light refracting and transmitting. R. G. McPhail. 2,474,317, June 28.
- Plate and release bar, Safety strike. V. M. King. 2,461,426, Feb. 8.
- Plate and retainer construction, Storage battery. R. Jardine. 2,490,630, Dec. 6.
- Plate assembly, Cooking heat control. L. S. Wilbur. 2,478,614, Aug. 9.
- Plate attachment, Trolling. E. R. Kottke. 2,458,785, Jan. 11.
- Plate burner. F. T., F. T. Jr., and J. M. Powers. 2,468,460, Apr. 26.
- Plate, Car loading. R. A. McLaughlin. 2,491,870, Dec. 20.
- Plate, Center. J. H. Scott. 2,481,695, Sept. 13.
- Plate, Clinch. E. W. Allen. 2,480,689, Aug. 30.
- Plate, Clutch. W. V. Thelander. 2,477,016, July 26.
- Plate, Composite steel. B. Liebowitz. 2,474,682, June 28.
- Plate, Cooling. P. H. Brinkoeter. 2,472,937, June 14.
- Plate, Die. L. M. Puster. 2,467,496, Apr. 19.
- Plate, Film pressure. E. Furer. 2,492,418, Dec. 27.
- Plate, Fluid distributing. H. Rodman. 2,487,984, Nov. 15.
- Plate for brake hanger brackets, Wear. F. M. Schaefer. 2,488,242, Nov. 15.
- Plate for doors, Adjustable striker. R. A. Wuerl. 2,486,772, Nov. 1.
- Plate for lock cylinders, Plug retaining. H. E. Soref and D. J. Foote. 2,460,474, Feb. 1.
- Plate for measuring birefringence and making same, Calibrated retardation. D. D. Lowber, J. D. Reardon, and P. W. Collyer. 2,460,515, Feb. 1.
- Plate for pin setting frames, Wear. R. F. Palmer. 2,462,543, Feb. 22.
- Plate for sewing machines, Throat. D. Fischbein. 2,488,390, Nov. 15.
- Plate, Freezer. D. L. Cameron. 2,486,822, Nov. 1.
- Plate, Friction clutch. W. V. Thelander. 2,477,017, July 26.
- Plate handling mechanism for embossing machines. J. H. Gruver. 2,463,690, Mar. 8.
- Plate hanger. S. Schneir. 2,488,243, Nov. 15.
- Plate holder. R. W. Theisen. 2,488,147, Nov. 15.
- Plate, Key case. A. A. Zarowin. 2,477,536, July 26.
- Plate, Locking. J. S. Pitisci. 2,469,441, May 10.
- Plate mechanism, Swash. B. Sznycer. 2,487,953, Nov. 15.
- Plate, One-piece wear. F. Schaefer. 2,466,330, Apr. 5.
- Plate, Printing. W. W. Davidson. 2,491,090, Dec. 13.
- Plate puller. E. A. Culliton. 2,465,011, Mar. 22.
- Plate, Rapping. T. L. Ruddy. 2,484,746, Oct. 11.
- Plate, Safety. F. E. Kohler. 2,470,439, May 17.
- Plate setting for cap jewels. H. Gerber. 2,489,570, Nov. 29.
- Plate, Snap-acting springing and thermostatic. H. M. Wilson. 2,487,683, Nov. 8.
- Plate, Snubber. J. M. Moon. 2,458,287, Jan. 4.
- Plate, Solid electric heating. E. Challet. 2,458,251, Jan. 4.
- Plate, Stereotype. C. S. Crafts. 2,474,889, July 5.
- Plate switch controlling mechanism, Breakable. C. N. Cahusac. 2,471,410, May 31.
- Plate, Trolling. O. C. Palmer. 2,460,237, Jan. 25.
- Plate, Waffle. A. L. Wade. 2,474,995, July 5.
- Platen for printing machines and the like. M. G. Stewart. 2,479,521, Aug. 16.
- Platen leveling. H. M. Purcell. 2,484,908, Oct. 18.
- Plates of heat exchangers, Sealing end. D. H. Currie. 2,488,807, Nov. 22.
- Plates of welded ships, Arresting the cracking of the. E. M. MacCutcheon, Jr., D. F. Windenburg, and S. K. Smith. 2,460,893, Feb. 8.
- Platform adjusting means. M. E. McClellan. 2,476,751, July 19.
- Platform attachment for rung-type ladders, Step. F. H. Hartman and J. W. Kinney, Jr. 2,486,783, Nov. 1.
- Platform control, Combine. L. K. Lohn. 2,473,655, June 21.
- Platform for opaque copy and picture projectors, Adjustable. P. M. Field. 2,463,026, Mar. 1.
- Platform for tractors. D. Morr. 2,463,295, Mar. 1.
- Platform for vehicles, Combination rear bumper, hitch, and foot. C. G. Barden. 2,492,914, Dec. 27.
- Platform, Loading. J. R. Dunn. 2,489,869, Nov. 29.
- Platform shoe and making the same. N. J. Sissak. 2,482,010, Sept. 13.
- Plating. G. W. Jernstedt. 2,468,825, May 3.
- Plating, Cadmium. A. E. Chester and F. F. Reisinger. 2,485,565, Oct. 25.
- Plating device. R. J. Broersma. 2,488,801, Nov. 22.
- Plating machine. J. V. Davis. 2,479,323, Aug. 16.
- Plating machine. N. H. Mageoch. 2,469,470, May 10.
- Plating machine, Hydraulically operated. J. V. Davis. 2,484,079, Oct. 11.
- Plating metal on iron or steel by application of a cold solution of a salt of the metal. A. Arent. 2,477,851, Aug. 2.
- Plating nickel on aluminum. E. H. McCoy. 2,473,163, June 14.
- Plating process, Aluminum. A. Arent. 2,485,182, Oct. 18.
- Platter and platter support for postal scales. R. A. Dohl. 2,459,065, Jan. 11.
- Play hat. P. Wolfe. 2,474,507, June 28.
- Play horse. W. J. Barrett. 2,488,893, Nov. 22.
- Play pen. L. M. Holtz. 2,464,866, Mar. 22.
- Play pen, Baby. C. L. O'Neill. 2,483,022, Sept. 27.
- Play table. E. R. and M. W. Culley. 2,481,725, Sept. 13.
- Play yard, Automatically folding. H. J. Landry. 2,489,188, Nov. 22.
- Player for sound record tape, Metal. F. J. Dofsen. 2,491,037, Dec. 13.
- Playground device, Trolley suspended. D. C. Grazier. 2,469,069, May 3.
- Playground slide. G. W. Packer. 2,461,345, Feb. 8.
- Playing steel. H. H. Pulsifer. 2,461,232, Feb. 8.
- Plectrum or pick for musical instrument. H. Galetzky. 2,484,820, Oct. 18.
- Plectrum with two playing points. R. H. Lawrence. 2,481,759, Sept. 13.
- Plexiglas shaping machine. L. T. Schuler. 2,466,045, Apr. 5.
- Plier for removing balance weights. H. Wochner. 2,489,842, Nov. 29.
- Pliers. L. C. Mead. 2,464,145, Mar. 8.
- Pliers. G. W. Periman. 2,458,725, Jan. 11.
- Pliers. W. L. Rackowski. 2,485,459, Oct. 18.
- Pliers, Cam operated. O. V. Malmquist. 2,482,193, Sept. 20.
- Pliers, Copper tube bending. A. W. Engberg. 2,477,727, Aug. 2.
- Pliers having insulated jaws and handles. W. W. Vander Clute. 2,488,484, Nov. 15.
- Pliers, Inductively heating. F. N. Darmara. 2,462,072, Feb. 22.
- Pliers, Matrix. J. J. Debrot, Jr. 2,467,969, Apr. 19.
- Pliers, Parallel jaw. A. J. Muter. 2,462,536, Feb. 22.
- Pliers, Plastic contact lens forming. W. Feinbloom. 2,477,689, Aug. 2.
- Pliers, Toggle operated. J. T. Spencer, Jr., and E. Girardello. 2,463,721, Mar. 8.
- Pliers with detachable end jaws. I. Jankovich. 2,471,372, May 24.
- Pliers with pivoted jaw piece, Toggle lever operated. L. E. Isele. 2,478,696, Aug. 9.
- Plotting device, Electronic curve. C. H. Schlesman. 2,474,192, June 21.
- Plow. J. E. Coon. 2,467,111, Apr. 12.
- Plow and gauge wheel, Tractor mounted. W. H. Silver and J. I. Cantral. 2,469,996, May 10.
- Plow bottom. C. V. Beckstrom. 2,467,289, Apr. 12.
- Plow bottom parts and securing them to the supporting saddle. C. L. Eksergian. 2,486,637, Nov. 1.
- Plow control. B. D. Stevenson. 2,470,730, May 17.
- Plow edge, Renewable. H. J. Woodcock. 2,475,536, July 5.
- Plow, Fire line. J. E. Black. 2,482,456, Sept. 20.
- Plow or the like and making same. R. H. Figard. 2,459,999, Jan. 25.
- Plow, Oscillating. T. E. Gordon. 2,484,496, Oct. 11.

- Plow, Reversible disk-type. J. C. Fulkerson. 2,491,556, Dec. 20.
- Plow, Rotary. C. A. Cleland. 2,476,836, July 19.
- Plow, Rotary disk. R. H. Hill. 2,490,688, Dec. 6.
- Plowshare. W. H. Farr. 2,471,388, May 24.
- Plowshare. T. Möhl. 2,471,164, May 24.
- Plow sweep, Adjustable. H. G. Lane. 2,469,044, May 3.
- Plow sweep, Adjustable. M. T. Skinner. 2,487,737, Nov. 8.
- Plow, Two-way. R. T. Evans and J. H. Clasen. 2,474,731, June 28.
- Plow, Two-way. H. Rogers and W. F. Mellen. 2,309,8, Apr. 12.
- Plow, Two-way. B. M. Whiteley. 2,476,522, July 19.
- Plow, Vineyard. K. L. Thompson. 2,490,490, Dec. 6.
- Plug: See—
- | | |
|---------------------------------|-----------------------------|
| Accumulator shell sealing plug. | Iron plug. |
| Attachment plug. | Multiple fuse plug. |
| Bait casting plug. | Nonspill battery plug. |
| Battery filler plug. | Pipe-joint test plug. |
| Boiler tube test plug. | Pipe plug. |
| Caulking plug. | Polarity indicator plug. |
| Circuit control plug. | Renewal electric fuse plug. |
| Closure plug. | Resonant spark plug. |
| Connecting plug. | Rotary attachment plug. |
| Electrical connection plug. | Safety fuse plug. |
| Electrical plug. | Shielded spark plug. |
| Fishing plug. | Socket connector plug. |
| Fusible extension cord plug. | Spark plug. |
| Igniter and lamp plug. | Sparkling plug. |
| Ignition plug. | Syringe plug. |
| Indicator plug. | Terminal plug. |
| Intensified spark plug. | Transformer spark plug. |
| | Twistable blade plug. |
- Plug. M. Unger. 2,476,074, July 12.
- Plug and cap, Light. J. Rivinius. 2,484,465, Oct. 11.
- Plug and electrolyte level indicator for storage batteries, Filler. D. P. Gosheff. 2,484,163, Oct. 11.
- Plug and jack connection, Electrical. B. Easton. 2,483,815, Oct. 4.
- Plug and jack, Locking. A. C. Follmer. 2,480,843, Sept. 6.
- Plug and planer gauge, Combination adjustable. H. Harris. 2,465,449, Mar. 29.
- Plug and receptacle construction. C. Miller. 2,475,149, July 5.
- Plug and switch, Combination electric. F. Stephan. 2,480,787, Aug. 30.
- Plug base, Attachment. L. Ludwig. 2,464,876, Mar. 22.
- Plug cock valve. M. L. Bettcher. 2,483,518, Oct. 4.
- Plug cock valve. O. Jacobsen. 2,485,831, Oct. 25.
- Plug connection, Electrical. F. M. Danner. 2,465,517, Mar. 29.
- Plug for automobile trouble lamp. L. G. Kailer. 2,489,037, Nov. 22.
- Plug for electric cords, Contact. F. C. Greco. 2,476,365, July 19.
- Plug for pipe, Expansion. D. K. Stephens. 2,487,991, Nov. 15.
- Plug for sealing bores, Expansible. A. Gorzkowski. 2,474,047, June 21.
- Plug for storage batteries, Explosion-proof vent. F. T. Forster. 2,491,370, Dec. 13.
- Plug-in clip. M. Yanko. 2,473,321, June 14.
- Plug in type electric switch. F. P. Gates. 2,492,856, Dec. 27.
- Plug loosener, Electric. H. L. Johnson. 2,476,735, July 19.
- Plug nut. C. L. Madden. 2,490,594, Dec. 6.
- Plug of regenerable type, Fuse. R. J. Peralta. 2,458,296, Jan. 4.
- Plug remover and the like. W. J. Parsons. 2,464,413, Mar. 15.
- Plug seal, Valve. G. T. Downey. 2,483,891, Oct. 4.
- Plug trap and indicator apparatus. D. F. Saurenman. 2,467,860, Apr. 19.
- Plug valve. M. L. Bettcher. 2,466,790, Apr. 12.
- Plug valve. J. R. Donaldson. 2,461,041, Feb. 8.
- Plug with flexible contact laminations, Contact. S. G. Andersson and E. E. Å. Johansson. 2,490,632, Dec. 6.
- Plugs, Making closure. W. J. O'Connor. 2,492,176, Dec. 27.
- Plugs, Manufacturing attachment. N. Chirelstein. 2,473,570, June 21.
- Plumb bob. O. A. Paternmaster. 2,492,884, Dec. 27.
- Plumb bob, Adjustable. L. Suverkrop. 2,469,583, May 10.
- Plumb line holder. K. G. Humlegard. 2,475,745, July 12.
- Plumbing cleanout attachment. L. S. Denison. 2,490,422, Dec. 6.
- Plumbing fitting assembly. A. C. Engleheart. 2,466,217, Apr. 5.
- Plunger actuated hold-down clamp. R. E. Gordinier. 2,482,708, Sept. 20.
- Plunger, Expansible. L. Beeh. 2,461,873, Feb. 15.
- Plunger, Pump. S. H. Holt. 2,465,874, Mar. 29.
- Plunger structure. H. E. Brandt. 2,461,106, Feb. 8.
- Plural cosmetic case. E. E. Hines. 2,491,980, Dec. 20.
- Plural function circuit. R. H. Stafford. 2,469,281, May 3.
- Plural silica-containing hydrogel catalysts, Preparation of. J. A. Pierce. 2,483,782, Oct. 4.
- Plurality of piezoelectric crystals having mirror surfaces for scanning. F. H. Martin. 2,465,898, Mar. 29.
- Pneumatic comparator gauge. C. B. Moore. 2,486,052, Oct. 25.
- Pneumatic control accelerating pump. G. Griffon. 2,458,990, Jan. 11.
- Pneumatic drilling tool. A. H. Katterjohn. 2,473,433, June 14.
- Pneumatic foot support. W. W. Davis. 2,488,382, Nov. 15.
- Pneumatic lockout circuit. F. D. Joesting. 2,467,357, Apr. 12.
- Pneumatic means for spinning frames. J. W. Nims, Sr. 2,487,361, Nov. 8.
- Pneumatic reset apparatus, Automatic. V. J. Carns. 2,481,395, Sept. 6.
- Pneumatic size gauge. W. F. Aller. 2,465,002, Mar. 22.
- Pneumatic thread holder. R. G. Turner. 2,476,640, July 19.
- Pneumatic ticket receiving valve. E. W. Gent. 2,489,025, Nov. 22.
- Pneumatic tire, Electrically conducting. J. L. Reynolds. 2,475,199, July 5.
- Pneumatically operated pump. G. A. Rood. 2,471,498, May 31.
- Pneumatically unloadable shipping container. R. A. Norbom. 2,464,183, Mar. 8.
- Pocket and bag fabrication, Safety. J. M. Marks. 2,465,736, Mar. 29.
- Pocket and making. R. E. Carter. 2,471,386, May 24.
- Pocket and making same, Patch. G. W. Bayless. 2,468,915, May 3.
- Pocket and purse ash receptacle. L. M. Potter. 2,477,419, July 26.
- Pocket, Automobile. H. W. Tucker. 2,481,178, Sept. 6.
- Pocket construction for sorting machines. G. V. A. Malmros and E. A. Barber, Jr. 2,487,347, Nov. 8.
- Pocket cutlery holder. C. T. Shatzer. 2,466,333, Apr. 5.
- Pocket flight position indicator. J. K. Christie. 2,470,143, May 17.
- Pocket for dowel bars, Expansion. F. O. Heltzel. 2,476,243, July 12.
- Pocket for overalls, Tool. C. E. Brisbin. 2,476,354, July 19.
- Pocket structure. H. T. Brown. 2,468,955, May 3.
- Pocket structure. B. J. Ludwig. 2,489,148, Nov. 22.
- Pocket structure. J. W. Yagodnik. 2,486,584, Nov. 1.
- Point and clearance gauge, Combined plow. L. O. Wiese. 2,490,893, Dec. 13.
- Point inspection, Electronic. C. T. Germann. 2,467,124, Apr. 12.
- Pointer for television images, Electronic. W. E. Denk. 2,487,641, Nov. 8.
- Pointer, Pencil. F. B. Chapman. 2,483,261, Sept. 27.
- Poke. S. J. Jenkins. 2,465,455, Mar. 29.
- Polarity indicator plug. W. L. Todd and E. E. Greenberg. 2,474,407, June 28.
- Polarity marker, Crystal. R. A. Busheott and W. J. Fry. 2,466,002, Apr. 5.
- Polarizer, Unitary multiply. A. M. Marks. 2,492,809, Dec. 27.
- Polarizing dichroic film and preparing the same, Optically. J. F. Dreyer. 2,481,830, Sept. 13.
- Pole and paddle, Combination push. R. C. Johnson. 2,477,410, July 26.
- Pole, Pike. R. F. Ludt. 2,465,024, Mar. 22.
- Pole ring for dynamoelectric machines, Toothed. M. P. Winther. 2,465,983, Mar. 29.
- Pole, Ski. C. A. Luckens, Jr. 2,473,158, June 14.
- Pole, strut, or the like, Clothes. M. K. Benson. 2,468,160, Apr. 26.
- Polish rod clamp. J. W. Edwards. 2,463,755, Mar. 8.
- Polisher, Floor. J. C. and F. A. Engbert. 2,490,681, Dec. 6.
- Polisher, Vibratory. R. R. Butts. 2,462,068, Feb. 22.
- Polishing and glazing machine. C. O. Johnson and W. C. Burt. 2,458,708, Jan. 11.
- Polishing and grinding machine, Belt. H. G. Perkins. 2,489,811, Nov. 29.
- Polishing apparatus. M. B. Hammond and R. S. Komarnitsky. 2,480,238, Aug. 30.
- Polishing apparatus. G. Pieri. 2,476,683, July 19.
- Polishing attachment for electric sweepers. M. E. Cameron. 2,461,369, Feb. 8.
- Polishing attachment, Universal. W. D. Wellwood and W. S. Slade. 2,487,996, Nov. 15.
- Polishing bonnet. G. E. Metcalfe. 2,471,114, May 24.
- Polishing composition. W. G. Brinton. 2,476,281, July 19.
- Polishing composition. T. C. Hawley, Jr., B. J. Kummer, and J. W. Barnes, Jr. 2,483,701, Oct. 4.
- Polishing machine. E. C. Lindsay and E. L. Anderson. 2,469,735, May 10.
- Polishing material. J. B. Miller. 2,489,307, Nov. 29.
- Polishing method and apparatus. A. H. Eppler. 2,462,480, Feb. 22.
- Polishing of tantalum, Electrochemical. J. F. Gall and H. C. Miller. 2,481,308, Sept. 6.
- Polishing process, Electrolytic. D. R. Turner. 2,473,923, June 21.
- Polishing wheel. U. C. Haren. 2,465,225, Mar. 22.
- Polyacetal polysulfide polymers. J. C. Patrick. 2,469,404, May 10.
- Polyacrylamide, Preparing water-soluble. L. M. Minsk and W. O. Kenyon. 2,469,696, May 10.

- Polyalcohol-fatty acid-aliphatic amine combinations useful as textile assistants and producing the same. A. A. Cook and I. Sapers. 2,491,478, Dec. 20.
- Polyalkylated cyclic sulfone haloalcohols. R. C. Morris and J. L. Van Winkle. 2,461,340, Feb. 8.
- Polyalkylated monochloro cyclic sulfones. R. C. Morris and J. L. Van Winkle. 2,465,912, Mar. 29.
- Polyalkylated monohydroxy cyclic sulfones. R. C. Morris and N. C. Melchior. 2,483,219, Sept. 27.
- Polyalkylbenzyl phenols, Preparation of. O. M. Reiff and H. D. Hartough. 2,462,426, Feb. 22.
- Polyalkyl-cyclohexanol acrylates. C. E. Rehberg and C. H. Fisher. 2,473,544, June 21.
- Polyallyl alcohols, Production of. D. E. Adelson and H. F. Gray, Jr. 2,467,105, Apr. 12.
- Polyallyl ether compositions containing an orthosilicic acid ester. J. R. Roach. 2,477,548, July 26.
- Polyallyl levulinate. D. E. Adelson and H. Dannenberg. 2,475,273, July 5.
- Polyallyl naphthenate. D. E. Adelson and H. Dannenberg. 2,482,606, Sept. 20.
- Polyamide compositions. R. H. Schlattman. 2,491,934-6, Dec. 20.
- Polyamide-ester composition. E. A. Lasher. 2,475,034, July 5.
- Polyamide filaments, Making. W. R. McClellan. 2,484,523, Oct. 11.
- Polyamide-polyester condensation products and producing the same. E. L. Kropa. 2,463,977, Mar. 8.
- Polyamide resin-hydrocarbon resin compositions, Tough, flexible. D. W. Young and W. J. Sparks. 2,468,534, Apr. 26.
- Polyamide threads, Treatment of synthetic linear. J. E. Waltz. 2,477,156, July 26.
- Polyamides. D. E. Floyd. 2,461,495, Feb. 8.
- Polyamides, Modification of. W. W. Watkins. 2,474,923, July 5.
- Polyamides, Production of. T. Koch. 2,466,854, Apr. 12.
- Polyamine resinous composition and an ink made therefrom. F. E. Petke. 2,461,918, Feb. 15.
- Polyamino alcohols and preparing them. M. Senkus. 2,474,792, June 28.
- Polyarylbisguanide-formaldehyde resins, Thermosetting. A. L. Fox, H. L. Sanders, and R. T. Olsen. 2,492,855, Dec. 27.
- Polyazo-dyestuffs. W. Bossard. 2,488,076, Nov. 15.
- Polyazo benzidine dyes. F. Straub and J. Brassel. 2,459,467, Jan. 18.
- Polybasic acids and producing the same. C. N. Zellner. 2,486,454, Nov. 1.
- Polycarboyclic perfluoro-compounds, Anellated. E. T. McBee and L. D. Bechtol. 2,459,780, Jan. 25.
- Polychloro-hydrocarbons, Production of. L. Schmerling. 2,481,159, Sept. 6.
- Polychlorophenols in fermentation of carbohydrates. A. Barreto. 2,473,630, June 21.
- Polychlorophenoxyacetic acids useful as plant growth regulators, Preparation of. J. C. R. Warren. 2,480,817, Aug. 30.
- Polycyclic aromatics, Production of. H. H. Meier. 2,475,977, July 12.
- Polycyclopentadiene in the presence of a haloalkene, Preparing. G. B. Butler. 2,463,596, Mar. 8.
- Polyester amide resin solution containing mixed solvents. F. A. Sattler. 2,482,515, Sept. 20.
- Polyester polyamides and producing same, Leather-like. D. W. Jayne, Jr., H. M. Day, and E. L. Kropa. 2,490,003-4, Nov. 29.
- Polyester-polyamides and producing same, Plasticized leatherlike. D. W. Jayne, Jr., H. M. Day, and E. L. Kropa. 2,490,005, Nov. 29.
- Polyester-polyamides and producing same, Rubberlike cured. D. W. Jayne, Jr., H. M. Day, and E. L. Kropa. 2,490,001-2, Nov. 29.
- Polyesters. D. E. Floyd. 2,483,726, Oct. 4.
- Polyesters and preparing same, Rubber-like cured. D. W. Jayne, Jr., and H. M. Day. 2,489,711, Nov. 29.
- Polyesters, Preparation of purified. D. W. Young and W. J. Sparks. 2,491,350, Dec. 13.
- Polyethylene, Chlorination of. V. K. Babayan. 2,481,188, Sept. 6.
- Polyethylene compositions. C. S. Myers. 2,462,331, Feb. 22.
- Polyethylene electrical insulating compositions, Chlorinated. D. A. Fletcher. 2,480,009, Aug. 23.
- Polyethylene, Working of. D. E. Strain and W. V. Osgood. 2,480,615, Aug. 30.
- Polyhalo-alkanes, Production of. L. Schmerling. 2,481,158, Sept. 6.
- Polyhydric alcohols, Separation of. E. J. Lorand. 2,461,220, Feb. 8.
- Polyhydric cyclic alcohols. C. E. Frank. 2,478,261, Aug. 9.
- Polyhydxybenzene formaldehyde resin adhesives. F. J. Nagel. 2,488,428, Nov. 15.
- Polyhydroxy benzene-formaldehyde resinous compositions and preparing the same. F. J. Nagel. 2,477,641, Aug. 2.
- Polyisobutylene-asphalt composition containing hardening agent. R. W. Merley and V. A. Navikas. 2,485,623, Oct. 25.
- Polyisobutylene, Oxidized. G. H. B. Davis. 2,461,966, Feb. 15.
- Poly-ketones from simpler ketones by means of diacyl peroxides, Producing certain. M. S. Kharasch. 2,477,621, Aug. 2.
- Polymer and copolymer of allyl carbamate. C. E. Gleim. 2,483,194, Sept. 27.
- Polymer composition, Phosphorus sulfide treated ethylene. R. M. Goldrick and B. M. Marks. 2,480,297, Aug. 30.
- Polymer compositions, Ethylene. R. E. Burk. 2,480,296, Aug. 30.
- Polymer from aqueous emulsion, Precipitating. L. Plambeck, Jr. 2,458,636, Jan. 11.
- Polymer of a diene hydrocarbon plasticized with an alkenyl ether of diglycerol, Rubberlike. K. E. Marple. 2,475,290, July 5.
- Polymer of allyl glycolate and making same. D. E. Adelson and H. Dannenberg. 2,464,741, Mar. 15.
- Polymer separation. C. W. Tyson. 2,485,335, Oct. 18.
- Polymer, Stabilized. J. F. Nelson. 2,471,887, May 31.
- Polymeric aldehyde diesters and production thereof. T. W. Evans. 2,478,154, Aug. 2.
- Polymeric color formers. E. L. Martin. 2,489,655, Nov. 29.
- Polymeric color formers from hydroxyl polymers containing reactive ketaldone groups with reactive methylene and amino color formers. D. M. McQueen. 2,477,462, July 26.
- Polymeric compositions. A. Pechukas. 2,464,056, Mar. 8.
- Polymeric compounds from 1,3-dioxalane. W. F. Gresham. 2,462,737, Feb. 22.
- Polymeric film and making same, Plasticized hydroxylated. D. D. Lanning. 2,467,436, Apr. 19.
- Polymeric 4-vinylcyclohexene dioxide compositions. W. J. Hornbrook. 2,470,168, May 17.
- Polymeric linear esters, Highly. J. G. Cook, J. T. Dickson, A. R. Lowe, and J. R. Winfield. 2,471,023, May 24.
- Polymeric linear terephthalic esters. J. R. Winfield and J. T. Dickson. 2,465,319, Mar. 22.
- Polymeric materials from iso- and isothiocyanates with acrylic acids. J. G. Lichty and N. V. Seeger. 2,459,439, Jan. 18.
- Polymeric materials from isopropenyl toluene, Preparing. A. S. Nyquist and E. L. Kropa. 2,490,372, Dec. 6.
- Polymeric materials, Production and treatment of. J. W. Fisher and E. W. Wheatley. 2,476,968, July 26.
- Polymeric methyl methacrylate, Preparation of modified. J. L. Quinn. 2,462,895, Mar. 1.
- Polymeric mono-isolefinic materials and making same. J. M. Coon and J. B. Rust. 2,459,501, Jan. 18.
- Polymeric oil, Production of. D. E. Badertscher and R. B. Bishop. 2,477,538, July 26.
- Polymeric polyhydric alcohol condensation products and treatment of cellulosic textiles therewith. D. M. Gagarine. 2,486,399, Nov. 1.
- Polymeric products derived from diolefins and vinyl aromatic compounds and making same. W. J. Le Fevre and K. G. Harding. 2,460,300, Feb. 1.
- Polymeric substances, Manufacture of highly. J. T. Dickson. 2,465,150, Mar. 22.
- Polymeric vinylidene chloride compositions containing a light stabilizer. H. W. Moll and E. C. Britton. 2,464,250, Mar. 15.
- Polymerizable chemicals. P. O. Tawney. 2,461,301, Feb. 8.
- Polymerizable compositions, Emulsions of. E. L. Kropa. 2,473,801, June 21.
- Polymerization. S. and D. D. Whyte. 2,485,798, Oct. 25.
- Polymerization of acrylonitrile. S. A. Harrison. 2,471,742, May 31.
- Polymerization of alpha alkyl styrenes. A. B. Hersberger. 2,472,589, June 7.
- Polymerization of butadiene-1,3 hydrocarbons, Terminating the. S. A. Sundet. 2,469,017, May 3.
- Polymerization of chloroethylene compounds in aqueous emulsion in the presence of amino-alcohols. V. L. Folt. 2,485,270, Oct. 18.
- Polymerization of chloroprene in the presence of tetra-alkyl-diamino-diphenyl methane. R. S. Barrows. 2,478,738, Aug. 9.
- Polymerization of conjugated diolefins and vinyl compounds. J. D. Danforth. 2,466,212, Apr. 5.
- Polymerization of conjugated diolefins, Low-temperature, hydrogen fluoride catalyzed. J. D. Calfee and J. H. Pearson. 2,460,973, Feb. 8.
- Polymerization of crotyl methacrylate. H. C. Miller. 2,478,416, Aug. 9.
- Polymerization of cyclic dimer of butadiene-1,3 or piperylene. A. H. Gleason, and B. M. Vanderbilt. 2,475,234, July 5.
- Polymerization of dienes. J. R. Vincent. 2,463,225, Mar. 1.
- Polymerization of diolefin hydrocarbons. W. A. Schulze and W. W. Crouch. 2,490,712, Dec. 6.
- Polymerization of ethylene. S. J. Hetzel and R. M. Kennedy. 2,470,166, May 17.
- Polymerization of ethylene. L. Schmerling. 2,482,877, Sept. 27.
- Polymerization of ethylene. G. M. Whitman and S. L. Scott. 2,467,245, Apr. 12.
- Polymerization of ethylene by di-peroxy-dicarbonate ester catalysts. G. G. Stoner and R. L. Savage. 2,475,648, July 12.
- Polymerization of isobutylene in the presence of controlled amounts of promoters for the reaction. F. A. Palmer. 2,471,890, May 31.

- Polymerization of olefines with Friedel-Crafts catalysts dissolved in water containing alkyl halide solvents. F. A. Palmer. 2,488,736, Nov. 22.
- Polymerization of olefinic hydrocarbons. W. B. Shanley. 2,470,904, May 24.
- Polymerization of olefinic hydrocarbons with Friedel-Crafts catalysts. A. B. Hersberger. 2,474,671, June 28.
- Polymerization of olefins. R. M. Kennedy and S. J. Hetzel. 2,470,171, May 17.
- Polymerization of olefins in the presence of alkali and alkaline earth metal catalysts. W. V. Freed. 2,466,694, Apr. 12.
- Polymerization of olefins in the presence of nitrogen compounds. A. J. van Peski. 2,478,066, Aug. 2.
- Polymerization of 1,3-dienes in the presence of benzylic iodides. G. W. Scott. 2,481,044, Sept. 6.
- Polymerization of organo-polysiloxanes with acid-activated bleaching earth. E. C. Britton, H. C. White, and C. L. Moyle. 2,460,805, Feb. 8.
- Polymerization of organo-siloxanes. E. L. Warrick. 2,481,052, Sept. 6.
- Polymerization of polymerizable mono-olefinic hydrocarbons in the presence of saturated aliphatic esters of inorganic oxy acids of phosphorus, sulfur, and silicon. W. E. Hanford and R. M. Joyce, Jr. 2,478,390, Aug. 9.
- Polymerization of propylene. E. V. Kleber. 2,482,008, Sept. 13.
- Polymerization of siloxanes. J. F. Hyde. 2,490,357, Dec. 6.
- Polymerization of styrene and mono-allyl maleate. N. C. Foster. 2,482,087, Sept. 20.
- Polymerization of sulfur trioxide in liquid state or oleum, Inhibiting. H. G. McCann and R. V. Townsend. 2,492,706, Dec. 27.
- Polymerization of unsaturated fatty acids. C. G. Goebel. 2,482,761, Sept. 27.
- Polymerization of unsaturated organic compounds, Emulsion. A. E. Drake. 2,492,930, Dec. 27.
- Polymerization of vinyl aromatic compounds. E. C. Britton and W. J. Le Fevre. 2,477,784, Aug. 2.
- Polymerization of vinyl compounds in an aqueous dispersion. M. Baer. 2,476,474, July 19.
- Polymerization of vinyl esters. J. O. White. 2,485,796, Oct. 25.
- Polymerization of vinyl esters in an aqueous emulsion. E. Lavin and C. L. Boyce. 2,486,855, Nov. 1.
- Polymerization of vinyl esters in solution in dioxane, tetrahydrofuran, or tetrahydropyran. W. R. Cornthwaite. 2,492,929, Dec. 27.
- Polymerization of vinyl halides in an aqueous dispersion. M. Baer. 2,483,960, Oct. 4.
- Polymerization of vinylidene compounds, Emulsion. W. L. J. de Nié. 2,475,016, July 5.
- Polymerization of vinylidene compounds in aqueous emulsion in the presence of ionizable silver compounds and ammonia. G. W. Smith. 2,473,548, June 21.
- Polymerization of vinylidene chloride copolymers. H. P. Staudinger and D. Faulkner. 2,484,760, Oct. 11.
- Polymerization of vinylpyridines. J. Harmon. 2,491,472, Dec. 20.
- Polymerization process. W. E. Elwell and A. L. Snow. 2,482,056, Sept. 13.
- Polymerization process. I. E. Levine and L. T. Folsom. 2,484,384, Oct. 11.
- Polymerization process. W. K. Wilson. 2,473,929, June 21.
- Polymerization process, Delayed-action. R. M. Thomas, D. W. Young, and J. D. Calfee. 2,468,523, Apr. 26.
- Polymerization process in aqueous thiocyanate solutions. I. P. Hammer and J. B. Rust. 2,486,943, Nov. 1.
- Polymerization process, Low-temperature. P. W. Brakeley, Jr., and D. W. Young. 2,474,571, June 28.
- Polymerization products and making same. J. B. Rust. 2,469,788, May 10.
- Polymerization products of piperylene and its methyl homologues, and unsaturated nitriles. R. B. Seymour. 2,465,318, Mar. 22.
- Polymerization with a peroxydicarbonate catalyst. F. Strain. 2,464,062, Mar. 8.
- Polymerizations employing azo compounds as catalysts. M. Hunt. 2,471,959, May 31.
- Polymerized unsaturated substances, Conjointly. A. M. Howard and J. L. Jones. 2,462,042, Feb. 15.
- Polymerized vinyl aromatic materials. R. F. Hayes. 2,473,708, June 21.
- Polymerizing a conjugated diene in the presence of a regulator comprising selected amides of mercaptal undecanoic acids. K. H. Weber. 2,485,682, Oct. 25.
- Polymerizing acrylamide. L. M. Minsk, W. O. Kenyon, and J. H. Van Campen. 2,486,191, Oct. 25.
- Polymerizing diolefins in an unsaturated and aromatic gasoline distillate, Selectively. M. C. K. Jones and R. C. Brandon. 2,473,206, June 14.
- Polymerizing hydrocarbons. F. A. Howard. 2,479,360, Aug. 16.
- Polymerizing vinyl and vinylidene compounds, Method and catalysts for. J. W. Britton and R. C. Dosser. 2,473,005, June 14.
- Polymerizing vinylidene compounds in aqueous medium in the presence of silver ion and oxalate ion. G. W. Smith. 2,473,549, June 21.
- Polymers and copolymers of propiolates. J. G. Lichty. 2,461,990, Feb. 15.
- Polymers and copolymers of 2-vinyl-fluorene and their preparation. E. A. Kern and R. K. Abbott, Jr. 2,476,737, July 19.
- Polymers and their production, Acid-resistant. P. H. Carnell. 2,486,923-4, Nov. 1.
- Polymers containing polymeric chain carbon atoms to which are attached carbocyclic ring containing radicals. C. S. Marvel. 2,478,495, Aug. 9.
- Polymers containing recurring aldehyde groups and derivatives thereof and preparing same. E. F. Izard. 2,485,239, Oct. 18.
- Polymers from ethylene and branched chain vinyl esters. W. E. Hanford, J. R. Roland, and W. E. Mochel. 2,473,996, June 21.
- Polymers from ethylene and carbon dioxide. D. E. Sargent. 2,462,680, Feb. 22.
- Polymers from nitropolyhydroxy alcohols and polyamines. P. Arthur, Jr., and M. S. Raasch. 2,475,347, July 5.
- Polymers of alpha-fluoroacetoxy-acrylonitrile compounds. J. B. Dickey and T. E. Stanin. 2,464,120, Mar. 8.
- Polymers of alpha-fluoromethyl acrylic acid esters. J. B. Dickey. 2,472,811, June 14.
- Polymers of condensation product of aryl diether dicarboxylic acid and dihydric alcohol. G. S. Schaffel. 2,470,651, May 17.
- Polymers of dialkenyl acetals. W. O. Kenyon and T. F. Murray, Jr. 2,487,879, Nov. 15.
- Polymers of n-acylaminoalkyl-acrylamide compounds. J. B. Dickey. 2,478,378, Aug. 9.
- Polymers of the condensation product of formaldehyde with unsaturated esters of keto-carboxylic acids. E. C. Shokal and P. A. Devlin. 2,488,883, Nov. 22.
- Polymers of vinyl halides, Preparation of granular. M. Baer. 2,470,908-10, May 24.
- Polymers, Separation of. J. R. Skeen. 2,462,564, Feb. 22.
- Polymethine dyes. L. G. S. Brooker and F. L. White. 2,478,366, Aug. 9.
- Polymethine dyes, Preparing. E. B. Knott. 2,487,881, Nov. 15.
- Polyolefinic hydrocarbons, Production of. W. W. Johnstone. 2,470,894, May 24.
- Polyoxyalkylene compounds. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,481,278, Sept. 6.
- Polypentaerythritols, Preparation of. J. A. Wyler. 2,490,567, Dec. 6.
- Polyphase alternating current dynamo. C. E. Ellis. 2,470,767, May 24.
- Polyphase supply circuit. J. H. Andresen, Jr., and E. Kasner. 2,472,507, June 7.
- Polyphosphoric acid esters, Preparing. G. M. Kosolapoff. 2,486,658, Nov. 1.
- Polysilimethylene and its production. J. T. Goodwin, Jr. 2,483,972, Oct. 4.
- Polysiloxane lubricants, Liquid. D. F. Wilcock. 2,471,850, May 31.
- Polysiloxane resins, Making. C. S. Ferguson and C. E. Welsh. 2,470,479, May 17.
- Polysiloxane resins, Preparation of. H. F. Lamoreaux. 2,470,497, May 17.
- Polystyrene, Making plastic. J. W. Church. 2,460,976, Feb. 8.
- Polysulfide polymer. J. C. Patrick and H. R. Ferguson. 2,466,963, Apr. 12.
- Polysulfide polymer and making. R. O. Alexander. 2,469,141, May 3.
- Polysulfide sealing putties and compounds. F. M. Carasso. 2,465,512, Mar. 29.
- Polysulfides, Organic. W. D. Stewart. 2,470,115, May 17.
- Polysulfone resins, Stabilization of. E. P. Irany and H. D. Noether. 2,481,596, Sept. 13.
- Polysulfonfyl chlorides, Preparation of. S. R. Detrick, W. H. Lockwood, and N. Whitman. 2,462,730, Feb. 22.
- Polytetrafluoroethylene bonded shaped articles. J. H. Young. 2,479,451, Aug. 16.
- Polytetrafluoroethylene casting mold. J. Swiss. 2,488,446, Nov. 15.
- Polytetrafluoroethylene dispersions. K. L. Berry. 2,484,488, Oct. 11.
- Polythene compositions, Chlorinated. A. W. Anderson. 2,480,008, Aug. 23.
- Polythene compositions, Chlorinated. D. A. Fletcher and R. S. Taylor. 2,467,550, Apr. 19.
- Polythene compositions containing calcium carbonate. E. L. Midwinter and R. B. Richards. 2,466,038, Apr. 5.
- Polythene, Treatment of chlorinated. D. A. Fletcher. 2,480,007, Aug. 23.
- Polyvinyl acetal compositions containing colloidal silica. R. B. Seymour. 2,467,342, Apr. 12.
- Polyvinyl acetal resins. K. F. Beal and C. J. B. Thor. 2,469,488, Jan. 18.
- Polyvinyl acetate emulsion adhesive. G. O. Morrison, T. P. G. Shaw, J. D. P.-E. Mercier, and H. M. Collins. 2,469,955, Jan. 25.
- Polyvinyl alcohol compositions, Plasticized. C. A. Porter. 2,480,766, Aug. 30.
- Polyvinyl alcohol compositions, Plasticizing of. C. A. Porter. 2,468,345, Apr. 26.
- Polyvinyl alcohol, Furfural formamide reaction product. C. A. Porter. 2,464,717, May 15.
- Polyvinyl alcohol, Preparing. G. S. Stamatoff. 2,478,431, Aug. 9.
- Polyvinyl alcohol silver halide photographic coatings, Hardened. W. G. Lowe. 2,481,676, Sept. 13.

- Polyvinyl alcohol-starch-clay adhesives, processes, and products. R. W. Kingerley, Jr. 2,487,448, Nov. 8.
- Polyvinylamine salts, Preparation of. D. D. Reynolds and W. O. Kenyon. 2,484,423, Oct. 11.
- Polyvinyl butyral silicate polarizer lamination. A. M. Marks. 2,487,063, Nov. 8.
- Polyvinyl carbamates. W. F. Fowler, Jr., and W. O. Kenyon. 2,466,404, Apr. 5.
- Polyvinyl chloride compositions, Plasticized. P. O. Tawney. 2,475,062, July 5.
- Polyvinyl chloride films and making same, Stratified. C. C. Johnson. 2,491,923, Dec. 20.
- Polyvinyl dicarboxylic acid esters, Manufacture of. C. J. Malm and L. D. Bearden. 2,484,415, Oct. 11.
- Polyvinyl formal resin, Plasticized. W. R. Richard. 2,491,455-6, Dec. 13.
- Polyvinyl ketals, Production of. W. R. Cornthwaite and N. W. Flodin. 2,474,095, June 21.
- Polyvinylpyridinium halides. L. M. Richards. 2,487,829, Nov. 15.
- Pontoon assembly. J. N. Laycock. 2,480,144, Aug. 30.
- Pool ball spotting frame. R. A. Jones. 2,469,652, May 10.
- Pool game table. S. H. McNair. 2,462,526, Feb. 22.
- Pool, Outdoor swimming. E. A. Clemetsen. 2,488,708, Nov. 22.
- Pool, Portable swimming. C. Kascle. 2,490,272, Dec. 6.
- Popcorn machine. C. E. Page. 2,477,416, July 26.
- Pop-up waste valve. M. F. De Grave and J. Calladine. 2,461,812, Feb. 15.
- Porcelain-coated gas burner. G. W. Zimbelman. 2,470,881, May 24.
- Porcelain enamel compositions containing lithium manganite and/or lithium cobaltite. W. M. Fenton. 2,487,119, Nov. 8.
- Porcelain enamel finish. E. E. Bryant. 2,466,682, Apr. 12.
- Porosity logging, Neutron method of. W. L. Russell. 2,480,674, Aug. 30.
- Porous compositions. W. T. L. Ten Broeck, Jr. 2,478,879, Aug. 9.
- Porous refractory alumina material, Making. K. Langrod. 2,463,979, Mar. 8.
- Port and coupling, Tank. G. B. White. 2,473,669, June 21.
- Port control for free-piston units, Spill. A. Kalitinsky and W. A. Ledwith. 2,479,044, Aug. 16.
- Port-scavenged two-cycle internal-combustion engine. K. V. Anderson. 2,477,712, Aug. 2.
- Portable and foldable corn-shocking frame. A. J. Rasmussen. 2,480,197, Aug. 30.
- Portable blower heater. S. J. Heiman. 2,466,237, Apr. 5.
- Portable clothes drier. I. Bershad. 2,473,047, June 14.
- Portable concrete mixer. F. H. Harwood. 2,482,976, Sept. 27.
- Portable darkroom for developing. B. C. Powers and W. H. Richards. 2,484,048, Oct. 11.
- Portable door fastener. H. F. Sands. 2,461,398, Feb. 8.
- Portable drill. R. D. Pitts. 2,466,965, Apr. 12.
- Portable drill press holder. F. P. Stinchcomb. 2,472,270, June 7.
- Portable electric air pump. M. Roy. 2,465,554, Mar. 29.
- Portable electric glass tube cutter. W. D. Norgard. 2,476,680, July 19.
- Portable electric heater. H. L. Stiles. 2,475,113, July 5.
- Portable electric heater. A. Wild. 2,492,774, Dec. 27.
- Portable electric rotary drain cleaner. J. V. O'Brien and J. L. von Harz. 2,467,849, Apr. 19.
- Portable electric space heater. G. Steingruber. 2,479,425, Aug. 16.
- Portable electric steam table. W. E. Blackwell. 2,481,384, Sept. 6.
- Portable foldable seat. O. Bjornskaa. 2,466,361, Apr. 5.
- Portable food and drink stand. E. W. Frie and F. Haloski. 2,490,588, Dec. 6.
- Portable golf club rack. J. C. Heilbronn. 2,487,441, Nov. 8.
- Portable golf tee support. H. D. Hendricks. 2,461,601, Feb. 15.
- Portable heater. J. W. Brown, Jr. 2,473,783, June 21.
- Portable lamp. S. R. Naysmith. 2,463,048, Mar. 1.
- Portable lifting jack. M. M. Murphy. 2,470,105, May 17.
- Portable motor mounting. H. S. Hammond. 2,470,554, May 17.
- Portable necktie rack. R. E. Dodge. 2,459,417, Jan. 18.
- Portable radio cover. L. Goldstein. 2,467,471, Apr. 19.
- Portable saw, Hand-guided power-driven two-wheeled. C. E. Whittle. 2,480,893, Sept. 6.
- Portable signal light. E. C. Briggs. 2,492,837, Dec. 27.
- Portable silage rack. A. F. Rathgeber. 2,480,609, Aug. 30.
- Portable support. B. Ames. 2,469,359, May 10.
- Portable thermoelectric generator. H. J. Findley and R. D. Beatty. 2,480,404, Aug. 30.
- Portable tool. W. H. Grafe. 2,482,582, Sept. 20.
- Portable truck heater. E. M. Anderson. 2,484,665, Oct. 11.
- Portable tube bending tool. G. E. Franck. 2,464,800, Mar. 22.
- Portable utility bag. D. J. Coffey. 2,465,847, Mar. 29.
- Portable window cleaner. C. Thier and B. Starr. 2,463,443, Mar. 1.
- Portable writing board. J. M. Thompson, Sr. 2,478,849, Aug. 9.
- Position computer. S. S. King. 2,481,846, Sept. 13.
- Position control apparatus, Electrical remote. F. S. Armstrong. 2,488,259, Nov. 15.
- Position control apparatus, Electromechanical. R. V. L. Hartley. 2,488,291, Nov. 15.
- Position indicating means, Stereoscopic. R. H. Ranger. 2,477,651, Aug. 2.
- Position indication and control system. L. M. Rodgers. 2,460,597, Feb. 1.
- Positioner, Work. E. V. Cullen. 2,483,811, Oct. 4.
- Positioning and indicating system, Remote. W. P. Lear. 2,471,220, May 24.
- Positioning apparatus, Antihunt. H. Nygaard. 2,475,457, July 5.
- Positioning apparatus, Automatic. J. O. Mesa. 2,459,039, Jan. 11.
- Positioning apparatus in bore holes. H.-G. Doll. 2,476,137, July 12.
- Positioning control, Self-synchronous. G. E. Sorensen. 2,477,012, July 26.
- Positioning device. E. P. Bullard, III. 2,473,506-7, June 21.
- Positioning device, Fluid pressure controlled. A. J. Bent. 2,485,805, Oct. 25.
- Positioning device, Quick-adjustable. F. J. Eisele. 2,468,325, Apr. 26.
- Positioning means. J. M. Benedick. 2,460,671, Feb. 1.
- Positioning mechanism, Drill. S. Niedelman and M. Rauscher. 2,483,060, Sept. 27.
- Positioning objects for automatic color sorting. E. H. Bickley. 2,460,212, Jan. 25.
- Positive column lamp. E. Lemmers. 2,459,567, Jan. 18.
- Post and clamp mechanism for cycle saddles. H. E. Kalter. 2,471,627, May 31.
- Post and tool for lathes, Tool. A. F. Feaster. 2,460,342, Feb. 1.
- Post driver. W. R. Boydston. 2,470,974, May 24.
- Post driver. O. A. Dirksen. 2,487,530, Nov. 8.
- Post driver. L. M. Gregg. 2,468,971, May 3.
- Post driver. W. W. Simmonds. 2,476,390, July 19.
- Post for indirect aiming of a gun, Collimating sight and reflecting aiming. L. H. Brown. 2,491,476, Dec. 20.
- Post for lathes, Tool. I. H. Fann. 2,459,421, Jan. 18.
- Post for wire baskets and the like, Built-up. W. Obernauer and M. Schuster. 2,460,594, Feb. 1.
- Post hole digger attachment for tractors. B. F. and F. B. Arps. 2,480,537, Aug. 30.
- Posthole drill. R. J. McClenny. 2,490,698, Dec. 6.
- Post puller. H. W. Lassila. 2,479,748, Aug. 23.
- Post puller. C. F. Miller. 2,472,305, June 7.
- Post puller. A. S. Toftey. 2,482,950, Sept. 27.
- Post, Steel. R. W. Olmsted. 2,492,882, Dec. 27.
- Posture system. D. M. Ackerman. 2,461,102, Feb. 8.
- Pot assembly, Plant. E. A. Hollowell. 2,492,152, Dec. 27.
- Pot, Body-supported infant's chamber. N. R. Deardorff. 2,471,201, May 24.
- Pot for holding molten solder, Dip. J. L. Ford. 2,460,685, Feb. 1.
- Pot type oil burner. H. C. Baity. 2,468,156, Apr. 26.
- Pot type oil burner. H. C. Little. Re. 23,158, Oct. 25.
- Pot type oil burner air heating furnace. F. E. Wilson. 2,470,420, May 17.
- Potassium chloride, Manufacturing coarse granular. A. K. Johnson and H. B. Suhr. 2,470,822, May 24.
- Potassium hydroxide composition. G. H. Morey and E. F. Smith. 2,479,694, Aug. 23.
- Potassium hydroxide composition, Producing. G. H. Morey and E. F. Smith. 2,479,691, Aug. 23.
- Potassium hydroxide composition, Production of. G. H. Morey and E. F. Smith. 2,479,692-3, Aug. 23.
- Potassium titanium fluoride, Production of. H. C. Kaweck. 2,475,287, July 5.
- Potato cutter. E. E. Meyer. 2,487,719, Nov. 8.
- Potato products and preparing same. R. H. Neal. C. M. Gooding, and H. W. Vahlteich. 2,485,635, Oct. 25.
- Potato seed cutter. J. A. and F. B. Cummings. 2,458,568, Jan. 11.
- Potato vine cutter. L. Wells and L. C. Fry. 2,483,683, Oct. 4.
- Potatoes, Treating. J. F. P. Newhall. 2,472,775, June 7.
- Potentiometer. W. J. Opocensky. 2,461,843, Feb. 15.
- Potentiometer device, Electrical. L. Armitage. 2,480,995, Sept. 6.
- Potentiometer or adjustable electric resistance. R. D. Bigel. 2,479,206, Aug. 16.
- Potentiometer, Phase shifting. R. L. Cummerow and L. K. Davis. 2,483,125, Sept. 27.
- Potentiometer, Sealed. I. Gordy. 2,457,814, Jan. 4.
- Potentiometric circuit. I. A. Greenwood, Jr. 2,473,334, June 14.
- Pottery ware jiggering device, Bench-type. R. E. Brock. 2,481,073, Sept. 6.
- Potteryware, Method and apparatus for making. A. J. Wahl and G. J. Croninger. 2,480,062, Aug. 23.
- Poultry bag. D. E. Post. 2,471,701, May 31.
- Poultry, Defeathering. E. M. Davis. 2,469,953, May 10.
- Poultry feed hopper. R. A. Grindstaff. 2,465,647, Mar. 29.
- Poultry feeder. A. W. Corrigan. 2,461,525, Feb. 15.
- Poultry feeder. P. W. Lamb. 2,482,675, Sept. 20.
- Poultry feeder. F. J. Wood. 2,475,070, July 5.
- Poultry immerger. C. Nassivera. 2,470,409, May 17.
- Poultry picker, Inclined drum. E. B. Mead. 2,484,235, Oct. 11.

- Poultry picker with variable length fingers. E. B. Mead. 2,484,236, Oct. 11.
- Poultry picking machine. G. W. Johnson. 2,466,242.
- Poultry-watering device. K. E. Beckley. 2,486,729, Nov. 1.
- Pouncing machine. P. Schultze. 2,465,174, Mar. 22.
- Pour facilitating device for receptacles. R. R. Olson. 2,478,544, Aug. 9.
- Pouring cap. T. M. Punchak. 2,483,784, Oct. 4.
- Pouring device. Beer. B. Sheldon, Jr. 2,492,327, Dec. 27.
- Powder and making same. Dusting. J. E. Fenn. 2,469,957, May 10.
- Powder composition, Fuse. G. C. Hale and D. Hart. 2,461,544, Feb. 15.
- Powder composition, Fuse. G. C. Hale and D. Hart. 2,467,334, Apr. 12.
- Powder composition, Fuse. G. C. Hale and D. Hart. 2,468,061, Apr. 26.
- Powder cooler. J. Boyce. 2,484,070, Oct. 11.
- Powder dispensing toothbrush holder. L. F. Perwas. 2,474,860, July 5.
- Powder, Fire extinguishing. R. C. McGlenn. 2,472,539, June 7.
- Powder metallurgy. N. C. Moore. 2,481,232, Sept. 6.
- Powder metallurgy process for producing steel parts. G. W. Webb. 2,459,838, Nov. 29.
- Powder of phenol-acetaldehyde resin containing manilkara wood flour, Molding. J. H. Lum. 2,478,634, Aug. 9.
- Powder, Stabilized nickel. O. G. Bennett. 2,487,632, Nov. 8.
- Powdered material, Agglomeration of. T. H. Whaley. 2,457,962, Jan. 4.
- Powdered medicine dispenser. M. R. Fields. 2,470,298, May 17.
- Powdered metal mixtures for sintering, Production of. E. C. Rhodes. 2,476,222, July 12.
- Powdered ointment base of methyl cellulose and sorbitol. A. M. Mattocks, Jr., and W. A. Lazier. 2,484,637, Oct. 11.
- Power absorbing apparatus. L. C. Claitor and E. S. Dennison. 2,490,114, Dec. 6.
- Power actuated percussion tool. J. V. Rice, Jr. 2,480,879, Sept. 6.
- Power actuated wrench. A. E. Church. 2,471,863, May 31.
- Power and control mechanism, Helicopter. C. O. Donley. 2,473,331, June 14.
- Power and speed transmission, Variable. H. C. Barnack. 2,461,022, Feb. 8.
- Power apparatus, Hydraulic. R. M. Brodeur. 2,460,058, Jan. 25.
- Power apparatus with travel control. E. A. Rockwell. 2,467,273, Apr. 12.
- Power application device, Multiple. R. E. Campbell. 2,458,976, Jan. 11.
- Power cabinet. F. S. Denneen and W. C. Dunn. 2,466,007, Apr. 5.
- Power control. R. T. Smith. 2,487,606, Nov. 8.
- Power cord and carrying strap for portable radios, Combination. D. R. Baker. 2,487,509, Nov. 8.
- Power conversion attachment. B. F. Schmidt. 2,469,277, May 3.
- Power cutoff switch. J. C. Ziers. 2,484,664, Oct. 11.
- Power dispensing container. L. Hermani. 2,480,733, Aug. 30.
- Power distribution and control apparatus, Electrical. H. B. Garvin. 2,480,568, Aug. 30.
- Power distribution apparatus. E. T. Carlson. 2,468,614, Apr. 26.
- Power drill holder. F. E. Clark. 2,468,358, Apr. 26.
- Power drive and control mechanism. J. R. Thompson. 2,480,521, Aug. 30.
- Power drive connection, Detachable. R. D. Downing and C. D. Prosser. 2,482,251, Sept. 20.
- Power-driven mechanism and portable demountable supporting standard therefor. S. R. Howard. 2,474,250, June 28.
- Power-driven tool. T. S. Briskin. 2,486,255, Oct. 25.
- Power edger. N. L. May. 2,489,383, Nov. 29.
- Power generating plant, Steam and gas. E. Mercier and M. Ehlinger. 2,466,723, Apr. 12.
- Power heating apparatus and method, Radio-frequency. J. W. Robertson. 2,485,658, Oct. 25.
- Power installation, Hydraulic. M. G. R. Petty and G. F. Jones. 2,483,349, Sept. 27.
- Power lawn mower with air filtering screen. H. H. Packwood. Re. 23,146, Sept. 13.
- Power lift connection, Releasable. F. T. Court. 2,476,439, July 19.
- Power lift, Controllable hydraulic. F. T. Court. 2,462,722, Feb. 22.
- Power lift for implements. E. F. Sawall. 2,464,615, Mar. 15.
- Power lift mechanism, Hydraulic. W. H. Worthington and E. F. Jirsa. 2,462,246, Feb. 22.
- Power line and telephone circuit, Toroidal coil-terminal bushing coupling. E. L. Harder. 2,488,400, Nov. 15.
- Power locking differential driving mechanism, Automatic. W. Bagge. 2,481,066, Sept. 6.
- Power measuring bridge, Radio-frequency. R. N. Griesheimer. 2,465,683, Mar. 29.
- Power machine, Fluid. J. H. Crumble. 2,461,037, Feb. 8.
- Power mechanism, Multiple stage. G. R. Elliott. 2,465,714, Mar. 29.
- Power mower. A. W. Heyn. 2,490,870, Dec. 13.
- Power operated chair. C. T. Beall. 2,468,801, May 3.
- Power-operated gate valve. J. S. Downs. 2,478,811, Aug. 9.
- Power operated hatch cover. E. M. Greer and J. Mercier. 2,491,261, Dec. 13.
- Power-operated wrench. D. H. Ferguson. 2,476,486, July 19.
- Power outlet receptacle. W. W. Bundy. 2,474,817, July 5.
- Power plant. J. E. Andreau. 2,485,543, Oct. 25.
- Power plant and drive wheel unit, Tractor. A. C. Johnson. 2,457,821, Jan. 4.
- Power plant and heating system, Combination. J. I. Yellott. 2,491,434, Dec. 13.
- Power plant apparatus, Aircraft. I. Whiteman and C. C. Davenport. 2,487,842, Nov. 15.
- Power plant assembly. A. G. Forsyth. 2,470,155, May 17.
- Power plant construction. D. A. Wallace. 2,464,012, Mar. 8.
- Power plant for motor vehicles. D. Collins and G. S. Boylan. 2,490,418, Dec. 6.
- Power plant for torpedo propulsion, Chemical type. E. A. Gulbransen. 2,484,221, Oct. 11.
- Power plant, Gas turbine. A. Howard. 2,479,573, Aug. 23.
- Power plant, Gas turbine. E. A. Stalker. 2,470,729, May 17.
- Power plant having radial flow compressor and turbine means, Reactive propulsion. N. C. Price. 2,471,892, May 31.
- Power plant, Heat. F. Nettel and J. Kreitner. 2,472,846, June 14.
- Power plant, Hot-air turbine. J. S. Haverstick. 2,464,861, Mar. 22.
- Power plant, Hydropneumatic. B. J. Paulson. 2,484,183, Oct. 11.
- Power plant, Internal-combustion engine. B. W. Barlow and A. J. Penn. 2,468,157, Apr. 26.
- Power plant, Naval. F. Nettel and J. Kreitner. 2,482,791, Sept. 27.
- Power plant, Steam. R. M. Ostermann. 2,467,092, Apr. 12.
- Power plant, Steam-air-thermal. W. Karrer. 2,471,755, May 31.
- Power plant, Steam-air thermal. J. Karrer. 2,486,291, Oct. 25.
- Power plant, Unit. K. R. Stearns. 2,464,357, Mar. 15.
- Power plant, Wind-driven electric. A. C. Veldhuis. 2,484,197, Oct. 11.
- Power plant with fuel vaporizer for afterburners, Turbojet. N. C. Price. 2,479,776, Aug. 23.
- Power plant with propeller, Multirotor gas turbine. A. H. Redding. 2,478,206, Aug. 9.
- Power plant with speed reduction transmission gearing, Fluid turbine. K. Baumann. 2,472,878, June 14.
- Power press. A. Borzym. 2,475,692-3, July 12.
- Power recovery system. E. L. Clark. 2,478,744, Aug. 9.
- Power rectifier tube and starting the same. D. B. Clark. 2,468,037, Apr. 26.
- Power regulating bridge network. L. B. Cherry. 2,481,905, Sept. 13.
- Power shift and control for change-speed gearings. C. D. Peterson and A. H. Deimel. 2,479,183, Aug. 16.
- Power supply, Amplifier. R. Adler and H. P. Kalmus. 2,476,174, July 12.
- Power supply apparatus. A. G. Owen. 2,488,321, Nov. 15.
- Power supply, Direct-current. L. W. Reinken. 2,467,336, Apr. 12.
- Power supply, Electrical. W. W. Zimmerman. 2,470,542, May 17.
- Power supply, High-potential. J. Evans. 2,458,577, Jan. 11.
- Power supply, High-voltage. G. W. Fyler. 2,459,638, Jan. 18.
- Power supply, High-voltage. R. C. Kennedy. 2,490,733, Dec. 6.
- Power supply, Impulse type. E. W. Marlowe and H. A. Wilcox. 2,470,895, May 24.
- Power supply means. R. M. Gilson and L. K. Hedding. 2,490,427, Dec. 6.
- Power supply, Regulated. L. F. Mayle. 2,467,765, Apr. 19.
- Power supply, Regulated radio frequency. L. W. Parker. 2,485,652, Oct. 25.
- Power supply, Stabilized. J. van der Heem. 2,459,977, Jan. 25.
- Power supply system. H. M. Stoller. 2,470,838, May 24.
- Power system, Electric. P. J. Walsh. 2,461,133, Feb. 8.
- Power take-off mechanism. D. G. Roos and W. F. Benning. 2,464,059, Mar. 8.
- Power take-off unit, Slip clutch. C. D. Peterson, A. H. Deimel, and C. H. Wolcott. 2,459,092, Jan. 11.
- Power tool. E. M. Hoover. 2,463,387, Mar. 1.
- Power tool support. A. F. Habenicht. 2,463,266, Mar. 1.
- Power tool support. A. F. Habenicht. 2,463,691, Mar. 8.
- Power transmission. R. A. Erskine. 2,465,438, Mar. 29.

- Power transmission. W. S. Fields. 2,476,716, July 19.
 Power transmission. T. Iavelli and V. E. Matulaitis. 2,490,592, Dec. 6.
 Power transmission. E. C. Maxwell. 2,459,829, Jan. 25.
 Power transmission. F. G. Miles. 2,480,193, Aug. 30.
 Power transmission. H. E. Nixon. 2,463,299, Mar. 1.
 Power transmission. T. M. O'Hara. 2,491,202, Dec. 13.
 Power transmission. E. Orshansky, Jr. 2,471,117, May 24.
 Power transmission. J. Robinson. 2,463,314, Mar. 1.
 Power transmission. J. Robinson. 2,489,435, Nov. 29.
 Power transmission. A. J. Syrovoy and T. Iavelli. 2,490,604, Dec. 6.
 Power transmission. B. Szyner. 2,487,952, Nov. 15.
 Power transmission. E. J. Thurber. 2,490,720, Dec. 6.
 Power transmission. R. L. Tweedale. 2,487,617, Nov. 8.
 Power transmission and speed reducing apparatus. T. Veitch and T. Veitch, Jr. 2,458,036, Jan. 4.
 Power transmission and support therefor. W. Ferris. 2,490,615, Dec. 6.
 Power transmission, Bidirectional no-back. W. C. Starkey. 2,458,441, Jan. 4.
 Power transmission device. D. F. McGill. 2,465,739, Mar. 29.
 Power transmission device, Mechanical. O. L. Quillen. 2,491,764, Dec. 20.
 Power transmission for reversible machine elements. C. Z. Monroe. 2,458,290, Jan. 4.
 Power transmission, Hydraulic. R. H. Sheppard. 2,469,085, May 3.
 Power transmission, Hydraulic steering. L. R. Twyman. 2,487,618, Nov. 8.
 Power-transmission means. M. Jensen. 2,465,538, Mar. 29.
 Power transmission means. T. C. Normann. 2,486,671, Nov. 1.
 Power transmission mechanism. B. E. Hill. 2,482,110, Sept. 20.
 Power-transmission system. H. Sinclair. 2,475,679, July 12.
 Power transmission, Two-speed automatic. M. W. Gredell. 2,463,100, Mar. 1.
 Power transmission, Variable. P. B. Campbell. 2,466,762, Apr. 12.
 Power transmission, Variable-speed. L. A. Trofimov. 2,476,266, July 12.
 Power-transmitting device. M. S. Baker. 2,471,669, May 31.
 Power-transmitting mechanism. L. R. Buckendale. 2,466,683, Apr. 12.
 Power transmitting mechanism for internal-combustion engines. E. Jacobsen. 2,477,376, July 26.
 Power transmitting mechanism, Variable-speed. A. R. Cunningham. 2,464,635, Mar. 15.
 Power unit and mowing device, Mobile. J. Badlat. 2,476,526, July 19.
 Power unit and transmission, Speed controlled. L. A. Trofimov. 2,464,275, Mar. 15.
 Power unit, Electropneumatic. E. Anderson. 2,477,681, Aug. 2.
 Power unit, Gas turbine. J. A. Johnson and C. E. Kenney. 2,459,079, Jan. 11.
 Power unit, Hydraulic. A. H. Dall. 2,492,688, Dec. 27.
 Power unit for hydraulic brakes. J. R. Almond. 2,467,517, Apr. 19.
 Power unit, Pneumatic. A. M. Rossman. 2,486,982, Nov. 1.
 Power unit, Pneumatically driven. H. G. Hunt. 2,471,109, May 24.
 Power unit, Thin-walled diaphragm. J. A. Senn. 2,487,947, Nov. 15.
 Power unit, Rotary. S. Baylin. 2,466,759, Apr. 12.
 Practice device for golf putting. W. Pinder. 2,462,420, Feb. 22.
 Precession system for directional gyroscopes. P. A. Noxon. 2,492,057, Dec. 20.
 Precious metals, Recovery of. R. W. Krebs. 2,476,420, July 19.
 Precipitation of ammonium diuranate. A. J. Miller and G. M. Armstrong. 2,466,118, Apr. 5.
 Precipitator. D. E. Marnon and A. F. Strobel. 2,487,458, Nov. 8.
 Precipitator, Electrical. H. Klemperer. 2,469,231, May 3.
 Precipitator, Electrical. H. Klemperer. 2,489,786, Nov. 29.
 Precipitator, Electrical. K. W. MacKenzie. 2,470,356, May 17.
 Precipitator, Electrical. K. W. MacKenzie. 2,476,247-8, July 12.
 Precipitator, Electrostatic. R. T. Palmer. 2,490,979, Dec. 13.
 Precipitator system, Electrostatic. M. Newman. 2,462,890, Mar. 1.
 Precision centering device. L. R. Clark. 2,466,380, Apr. 5.
 Precision frequency meter. H. L. Clark. 2,476,025, July 12.
 Precision machine tool. F. Turrettini. 2,462,573, Feb. 22.
 Precoated material and dry lubricating coating composition therefor. R. A. Whitbeck. Re. 23,184, Dec. 20.
 Precoiled helical fins, Making. E. Bruegger. 2,482,241, Sept. 20.
 Precooling insulated tanks for storing cold liquids. J. O. Jackson. 2,480,472, Aug. 30.
 Prefabricated building structure. E. J. Kump, Jr. 2,482,918, Sept. 27.
 Prefabricated cesspool structure. L. P. Price. 2,482,870, Sept. 27.
 Prefabricated chair. G. R. Scarlett. 2,486,987, Nov. 1.
 Prefeder, Tape. A. F. Shields. 2,488,339, Nov. 15.
 Preferential operating valve. R. K. Sedgwick. 2,471,289, May 24.
 Pregnene compounds, Treating. L. H. Sarett. 2,462,133, Feb. 22.
 Preheater, Two-pass regenerative air. W. D. Yerrick. 2,480,277, Aug. 30.
 Preignition detection and control. V. C. Davis. 2,467,732, Apr. 19.
 Preinsulated aerial cable tap connector. J. Rogoff. 2,459,004, Jan. 11.
 Premix system, Beverage. J. Kantor and E. F. Rosenberg. 2,457,903, Jan. 4.
 Premolding and loading apparatus. J. Gregg. 2,483,004, Sept. 27.
 Preparation of bis-(2-carboxyalkyl) sulfones. M. R. Frederick. 2,485,271, Oct. 18.
 Preparation of diglycerol. W. G. Alsop. 2,487,208, Nov. 8.
 Preparation of histidine and leucine. L. Butturini and G. Bernini. 2,485,859, Oct. 25.
 Preparation of lower alkyl (lower aliphatic acyl) aminocyanacetates. B. F. Tullar. 2,487,004, Nov. 1.
 Preparation of methionine and precursors thereof. W. F. Gresham and C. E. Schweitzer. 2,485,236, Oct. 18.
 Preparation of 1-amino-4-hydroxy-5-chloroanthraquinone. J. Deinet and F. B. Stilmar. 2,487,110, Nov. 8.
 Preparation of polyalkylene glycols. G. W. Hearne and H. L. Yale. 2,486,024, Oct. 15.
 Preparation of 3,6-di-amino-1,4-dihydro-1,2,4,5-tetrazine. H. A. Walter. 2,475,440, July 5.
 Preparations of d-tubocurarine salts, and preparing same, Prolonged-action. J. C. Burke and A. E. Jurist. 2,476,082, July 12.
 Preparing a copper catalyst. D. C. Hull and J. F. Quarles. 2,475,965, July 12.
 Preparing alpha-aminoanthraquinones. M. Scalera and D. R. Eberhart. 2,486,210, Oct. 25.
 Preparing and coating screen material on tubes. H. Kasperowicz. 2,485,607, Oct. 25.
 Preparing a rye sour for baking purposes. H. Ginsburg. 2,476,242, July 12.
 Preparing a sulfur containing phthalocyanine dyestuff. R. L. Mayhew. 2,484,300, Oct. 11.
 Preparing a water-soluble beryllium compound. P. N. Burkard and R. McNabney. 2,474,392, June 28.
 Preparing chlorine dioxide. W. S. Hutchinson. 2,475,285-6, July 5.
 Preparing compounds having folic acid activity. J. L. Stokes. 2,483,248, Sept. 27.
 Preparing crystalline salts of penicillin. L. Larson. 2,486,181, Oct. 25.
 Preparing 4-amino-1,8-naphthalic acid imides. H. Z. Lecher, M. Scalera, A. W. Joyce, and W. S. Forster. 2,474,185, June 21.
 Preparing meso-substituted carbocyanine dyes and thio-ketones. G. H. Keyes. 2,486,173, Oct. 25.
 Preparing 1,2,3,4,5,6-hexachlorocyclohexane. G. H. Morey. 2,474,590, June 28.
 Preparing partial esters of glycerine and fatty acids. M. H. Ittner. 2,474,740, June 28.
 Preparing phthalocyanines containing ternary sulfonium salt groups. N. H. Haddock and C. Wood. 2,482,172, Sept. 20.
 Preparing polymers and copolymers of acrylic acid nitriles. H. W. Arnold. 2,486,241, Oct. 25.
 Preparing quaternized salts of resinous organic polymers containing a basic tertiary nitrogen atom. L. M. Minsk and W. O. Kenyon. 2,484,420, Oct. 11.
 Preparing substituted propionic acids. R. D. Babson. 2,474,715, June 28.
 Prerinsing soiled dishes and simultaneously recovering tableware from table scraps. F. T. Hilliker. 2,485,968, Oct. 25.
 Preslector for radio-frequency network. J. H. Williams. 2,469,189, May 3.
 Preservation of fruits and vegetables. D. Alvos. 2,470,424, May 17.
 Preservation of pigments in alfalfa. J. C. Kephart. 2,474,182, June 21.
 Preservative for photolithographic plates. E. D. Osinski and G. W. Bucklin. 2,463,554, Mar. 8.
 Preserving and maintaining color of green vegetables, Art of. L. F. Gieseker. 2,473,747, June 21.
 Preserving flowers and foliage. P. Joffe. 2,464,512, Mar. 15.
 Preserving perishables. W. A. Bridgeman. 2,469,914, May 10.
 Preserving the effectiveness of a metal cleaning bath. H. G. Webster. 2,458,662, Jan. 11.
 Preserving vegetable tanned leather. A. Cheshire. 2,471,022, May 24.

Press: See—

- Air-operated press. Multiple pressure press.
- Automatic drill press. Multicolor printing press.
- Automatic plastic molding press. Power press.
- Bale press. Punch press.
- Baling press. Shear press.
- Block press. Shock cushioning pneumatic press.
- Concrete brick press. Shoe press.
- Continuous press. Single lay shirt press.
- Die press. Ski press.
- Drill press. Sleeve press.
- Hydraulic baling press. Soap conserving press.
- Hydraulic press. Stamping press.
- Laminating press. Transfer molding press.
- Manually operated hydraulic press. Welt shoe press.
- Molding press. Wheel press.
- Wool press.
- Press. H. P. Hunter. 2,470,561, May 17.
- Press. F. Lyijynen. 2,485,452, Oct. 18.
- Press and automatic operating system, Hydraulic. E. M. Greer. 2,487,126, Nov. 8.
- Press and die therefor. L. Granat. 2,459,276, Jan. 18.
- Press and fluid control circuit therefor. Power. G. J. Peterson. 2,480,159, Aug. 30.
- Press convertible in respect to compression or tension drive and length of stroke. Mechanical. W. Klocke. 2,491,317, Dec. 13.
- Press equipped with a synchronized stripping plunger, Hydraulic. W. Ernst and C. Hedrick. 2,484,879, Oct. 18.
- Press for cutting sheet metal. C. J. Rhodes. 2,470,110, May 17.
- Press for forming workpieces, Blankholder. D. R. Francis. 2,479,336, Aug. 16.
- Press for molding battery boxes. C. L. Gougler. 2,487,703, Nov. 8.
- Press for molding building blocks. R. S. Elberty, Jr. 2,476,653, July 19.
- Press for the packaging of bundles of currency. P. W. Thomas. 2,485,789, Oct. 25.
- Press mechanism. B. Japikse. 2,481,670, Sept. 13.
- Press pad. M. Gershon. 2,482,412, Sept. 20.
- Press plates, Protected edge perforated. D. A. Freeman. 2,486,740, Nov. 1.
- Press reversing linkage system. H. F. MacMillin and G. A. Waldie. 2,468,604, Apr. 5.
- Press with hydraulically controlled blankholder. D. C. Vernon. 2,460,612, Feb. 1.
- Pressed and sintered oxidation resistant nickel alloys. J. Kurtz. 2,471,630, May 31.
- Presser foot. F. P. Tamburro. 2,481,175, Sept. 6.
- Presser foot, Adjustable work gauging and guiding. B. Antonelli. 2,478,073, Aug. 2.
- Presser foot and kerf spreader for power saws. J. Bunkovsky. 2,479,998, Aug. 23.
- Presser foot for stitching machines. M. T. Voigt. 2,487,285, Nov. 8.
- Presser, Trouser. I. P. Sowers. 2,461,006, Feb. 8.
- Pressing iron rack. C. R. Hawkins. 2,462,319, Feb. 22.
- Pressing materials on sewing machines. Hot. C. S. Barlow. 2,473,236, June 14.
- Pressing means for straight bar knitting machines. Beard. L. H. Colton. 2,475,447, July 5.
- Pressing pad with attached pressing cloth. T. M. McKinley and D. Traum. 2,486,718, Nov. 1.
- Pressing shirts. H. D. Forse. 2,464,857, Mar. 22.
- Pressure actuated switch. J. G. Mejean and D. V. Healy. 2,480,495, Aug. 30.
- Pressure adjustment means, Stylus. W. F. Thompson. 2,489,062, Nov. 22.
- Pressure and fluid control for pressing machines, Interconnected. J. M. Rupp. 2,490,711, Dec. 6.
- Pressure and heat-treating device. W. C. Hasselhorn. 2,481,216, Sept. 6.
- Pressure and vacuum supplying apparatus for testing pressure responsive instruments. E. J. Osterhus. 2,478,938, Aug. 16.
- Pressure applying mechanism for garment presses. R. J. Gabler. 2,489,960, Nov. 29.
- Pressure atomizing oil burner. J. A. Logan. 2,469,272, May 3.
- Pressure-balanced pipe-expansion joint. A. Dreyer. 2,485,370, Oct. 18.
- Pressure booster apparatus for pin sensing mechanisms. W. W. Lasker, Jr. 2,468,335, Apr. 26.
- Pressure control. R. Stevenson. 2,485,074, Oct. 18.
- Pressure control apparatus, Brake cylinder. E. S. Cook. 2,490,997, Dec. 13.
- Pressure control means, Hydraulic. D. J. Whittingham. 2,460,664, Feb. 1.
- Pressure controlled injection valve. J. J. Broeze. 2,471,605, May 31.
- Pressure controlled liquid outlet valve. O. L. Garretson. 2,472,070, June 7.
- Pressure cooker cover fastener. W. C. Lueneburg. 2,483,319, Sept. 27.
- Pressure cooker, Double walled. W. C. Fox. 2,485,581, Oct. 25.
- Pressure device, Fluid. J. L. Lefler and J. E. Leininger. 2,485,753, Oct. 25.
- Pressure equipment. T. B. Sappington. 2,478,506, Aug. 9.
- Pressure fluid brake motor. B. E. House and R. A. Goepfrich. 2,466,425, Apr. 5.
- Pressure fluid motor. J. C. Curtis and E. G. Gartin. 2,488,270, Nov. 15.
- Pressure gauge. F. W. Dwyer. 2,485,437, Oct. 18.
- Pressure gauge. J. A. Folse. 2,467,375, Apr. 19.
- Pressure gauge. H. H. Furn. 2,459,931, Jan. 25.
- Pressure gauge. C. R. A. Grant. 2,483,635, Oct. 4.
- Pressure gauge. C. Wantz and R. K. Engholdt. 2,466,519, Apr. 5.
- Pressure gauge having a combined inclined and vertical tube. L. M. Ellison. 2,486,135, Oct. 25.
- Pressure head, Electric. C. M. Hathaway. 2,474,146, June 21.
- Pressure head for laundry and other machines. E. J. Howlett. 2,483,461, Oct. 4.
- Pressure increasing device, Fluid. R. R. Gunderson. 2,463,173, Mar. 1.
- Pressure intensifying means, Manually operated. H. J. Willmott. 2,478,553, Aug. 9.
- Pressure loaded gear pump. J. A. Lauck. 2,470,355, May 17.
- Pressure measuring apparatus. W. V. Hobbs. 2,466,809, Apr. 12.
- Pressure mechanism. J. T. Lancaster. 2,479,630, Aug. 23.
- Pressure operated switch. J. T. Cooper and J. T. Logan. 2,480,553, Aug. 30.
- Pressure operated switch. I. E. McCabe. 2,461,924, May 3.
- Pressure pump. J. M. Schmied. 2,460,949, Feb. 8.
- Pressure pump. S. Wiltse. 2,464,014, Mar. 8.
- Pressure reducing valve. T. B. Ford, Jr. 2,469,719, May 10.
- Pressure reducing valve. G. Weiss. 2,483,954, Oct. 4.
- Pressure regulating means. A. von Wangenheim. 2,460,048, Jan. 25.
- Pressure-regulating valve. J. E. Dube. 2,461,415, Feb. 8.
- Pressure regulating valve. D. C. Breault. 2,471,859, May 31.
- Pressure regulator. B. A. Arthur. 2,463,492, Mar. 1.
- Pressure regulator. M. H. Grove and A. U. Bryant. 2,487,650, Nov. 8.
- Pressure regulator. C. W. Morris. 2,466,465, Apr. 5.
- Pressure regulator. W. W. Paget. 2,477,005, July 26.
- Pressure release. F. E. Wheeler and C. Zola. 2,479,958, Aug. 16.
- Pressure relief valve. H. P. Birkemeier and E. B. Tidd. 2,487,418, Nov. 8.
- Pressure-responsive control for engine superchargers, Intake and exhaust manifold. D. F. Warner. 2,480,621, Aug. 30.
- Pressure responsive device. E. T. Dahl. 2,492,465, Dec. 27.
- Pressure responsive device, Excess pressure protected. R. S. Childs. 2,470,288, May 17.
- Pressure responsive selector valve. E. G. Keller. 2,466,441, Apr. 5.
- Pressure responsive switch. F. W. Kerfoot. 2,489,419, Nov. 29.
- Pressure seal joint. R. Fennema. 2,464,744, Mar. 15.
- Pressure sealed stuffing box. C. H. Youngquist. 2,484,663, Oct. 11.
- Pressure sensitive adhesive mass. W. L. Nelson and O. R. Sinnig. 2,459,891, Jan. 25.
- Pressure switch. L. J. Bordelon. 2,492,261, Dec. 27.
- Pressure switch. A. E. Ross. 2,471,838, May 31.
- Pressure switch. R. Shaw, Jr. 2,485,783, Oct. 25.
- Pressure system, Fluid. W. A. Eaton. 2,475,701, July 12.
- Pressure tank and pump, Combination. A. P. Ruth. 2,475,918, July 12.
- Pressure unit, Fluid. B. H. Urschel and L. H. Janzer. 2,461,132, Feb. 8.
- Pressure welding metals by preheating with pressure application in the solidus phase and electric resistance heating in the liquidus phase. H. J. Kerr, O. R. Carpenter, F. W. Armstrong, Jr., and N. C. Jessen. 2,467,391, Apr. 19.
- Pressurization system for aircraft. H. J. Wood. 2,491,461, Dec. 13.
- Pressressed concrete pipe and the like, Manufacture of. F. L. Fitzpatrick. 2,474,660, June 28.
- Preventer, Thumb-sucking. R. B. Hartmann. 2,477,126, July 26.
- Preventing and/or removing accumulations of solid matter from oil wells, flow lines, and pipe lines. L. T. Monson. 2,470,831, May 24.
- Preventing arsenical injury to plants. J. H. Davidson. 2,469,330, May 3.
- Preventing coke formation in preheater tubes. E. V. Mathy. 2,472,669, June 7.
- Preventing corrosion and corrosion inhibitor. C. M. Blair, Jr., and W. F. Gross. 2,466,530, Apr. 5.
- Preventing corrosion and corrosion inhibitors. C. M. Blair, Jr. and W. F. Gross. 2,466,517, Apr. 5.
- Preventing corrosion and corrosion inhibitors. C. M. Blair, Jr., and W. F. Gross. 2,468,163, Apr. 26.
- Preventing cross talk in sound-vision systems. K. Schlesinger. 2,486,498, Nov. 1.
- Preventing crystallization of argols in grape products. E. B. Meschter and K. W. Seiter. 2,478,298, Aug. 9.
- Preventing frosting of evaporator heat exchangers. F. M. Jones. 2,471,692, May 31.
- Preventing ice formation on surfaces. R. C. Morris and E. C. Shokal. 2,469,309, May 3.
- Prevention of foaming in steam generation. L. O. Gunderson. Re. 23,085, Feb. 22.

- Preventing or reducing the escape of high-frequency energy. J. Collard. 2,470,805, May 24.
- Preventing secondary reactions in catalytic processes. R. W. Krebs. 2,458,862, Jan. 11.
- Preventing stains on photographic color material during drying following exposure, bleaching, and fixing treatment. H. B. Kellogg. 2,487,446, Nov. 8.
- Preventing sylvite crystals from caking. G. E. Atwood. 2,480,694, Aug. 30.
- Preventing the accumulation of ice on aircraft surfaces and the like. D. L. Loughborough. 2,471,224, May 24.
- Preventing the blackening of glass by mercury vapor. J. K. Davis. 2,464,851, Mar. 22.
- Prevention and destruction of weeds. W. A. Sexton. 2,472,347, June 7.
- Prevention of corrosion in catalytic reactions involving the use of phosphorus acid catalysts. B. B. Corson. 2,478,897, Aug. 16.
- Prevention of ice formation in air intakes on aircraft and other fast-moving vehicles. H. Sammons. 2,482,720, Sept. 20.
- Prevention of pencilling corrosion of metallic salt bath electrodes. H. R. Copson. 2,464,922, Mar. 22.
- Preventor for fishing reels, Backlash. V. E. Babcock. 2,458,047, Jan. 4.
- Primary aromatic amine derivative of gelatin by reaction of gelatin with isotactic anhydride and product thereof, Preparing a. J. Russell and R. E. Stauffer. 2,481,540, Sept. 13.
- Primary cell, Magnesium. H. K. De Long and H. A. Barbian. 2,481,204, Sept. 6.
- Primary cell with permanganate depolarizer. S. Ruben. 2,462,998, Mar. 1.
- Primary control for burners. J. J. Rothwell and P. Schell. 2,481,040, Sept. 6.
- Primary regulator, Electrical. R. Keller. 2,484,513, Oct. 11.
- Prime mover dynamo plant with speed governor. H. E. Warren. 2,458,325, Jan. 4.
- Primer and idler. W. R. S. Mills. 2,458,999, Jan. 11.
- Primer for pumps and the like. D. Murphy. 2,483,019, Sept. 27.
- Primer mechanism, Gun. J. R. Oliver. 2,482,865, Sept. 27.
- Primer mixture. W. N. King. 2,480,141, Aug. 30.
- Primer, Pump. J. M. Cox. 2,472,648, June 7.
- Primer, Rocket. L. A. Skinner. 2,462,135, Feb. 22.
- Priming device. M. K. Bennett. 2,470,232, May 17.
- Priming device for starting engines. W. A. Weaver. 2,485,423, Oct. 18.
- Priming means, Pump. H. R. Welby. 2,481,183, Sept. 6.
- Print control device for photographic enlargers. A. Simon and L. L. Weissglass. 2,462,340, Feb. 22.
- Print-handling device. L. P. Martinek. 2,461,831, Feb. 15.
- Print stacking means for printing machines. F. O. Trump. 2,478,850, Aug. 9.
- Printer device for duplicating machines, Line. E. W. Peterson. 2,473,070, June 14.
- Printer, Duplex projection. A. Armellino. 2,488,258, Nov. 15.
- Printer, Electrical code. L. Kozma and G. X. Lens. 2,459,821, Jan. 25.
- Printer for conveyers, Roller. S. Rosen. 2,471,452, May 31.
- Printer, Optical color-separation. O. E. Conklin. 2,466,154, Apr. 5.
- Printer, Photographic. N. S. Cole. 2,468,291, Apr. 26.
- Printing and binding books. G. H. Higgins. 2,463,769, Mar. 8.
- Printing and registering mechanism, Value. F. Q. Rast. 2,482,935, Sept. 27.
- Printing apparatus. A. Benavides. 2,480,436, Aug. 30.
- Printing apparatus. G. O. Frostad. 2,470,243, May 17.
- Printing apparatus. W. C. Huebner. 2,460,504, Feb. 1.
- Printing apparatus, Record controlled. E. J. Rabenda and F. J. Furman. 2,464,608, Mar. 15.
- Printing apparatus, Record controlled. J. A. Skinner. 2,477,011, July 26.
- Printing apparatus, Signal-controlled. H. L. Tholstrup. 2,461,451, Feb. 8.
- Printing apparatus, Silk-screen. S. R. Wellborn. 2,462,447, Feb. 22.
- Printing apparatus having a rotary light-transmitting cylinder and an endless belt bearing against the cylinder, Photographic. F. H. Cary. 2,459,362, Jan. 18.
- Printing arrangement for merchandising control systems. R. H. Halvorsen. 2,482,271, Sept. 20.
- Printing bed for screen-process printing machines. L. Martin. 2,480,493, Aug. 30.
- Printing chases, Making. L. Hoppe. 2,492,289, Dec. 27.
- Printing compositions, Noncrystallizing. E. E. Beard. 2,476,952, July 26.
- Printing device for duplicating machines, Line. F. R. Ford. 2,491,369, Dec. 13.
- Printing device, Hand. C. C. Ruebel. 2,482,939, Sept. 27.
- Printing indicia on photographs. T. R. Kohler. 2,466,444, Apr. 5.
- Printing machine. J. Chalmers. 2,483,260, Sept. 27.
- Printing machine. E. J. Janke. 2,483,203, Sept. 27.
- Printing machine, Multiple. J. L. A. C. and C. S. Goines, R. R. Howard, and G. S. Holland. 2,467,618, Apr. 19.
- Printing machine, Power-operated. L. B. Hill. 2,478,630, Aug. 9.
- Printing machine, Record controlled. S. M. Taylor. 2,489,439, Nov. 29.
- Printing machine, Screen. R. F. Foard. 2,458,773, Jan. 11.
- Printing machine, Tape. E. M. Hanrahan and W. A. Mertins. 2,482,542, Sept. 20.
- Printing member, Self-inking porous. C. H. Goodwin. 2,490,902, Dec. 13.
- Printing, Multicolor. A. I. Sark. 2,482,941, Sept. 27.
- Printing on thermoplastic sheetlike material. M. A. Chavannes. 2,486,259, Oct. 25.
- Printing plate and inking means, Automatic multiple color. W. H. Hancock. 2,467,128, Apr. 12.
- Printing plates, Making gravure. A. Dultgen. 2,480,400, Aug. 30.
- Printing rollers, Casting. W. C. Hart. 2,464,082, Mar. 8.
- Printing types, Electrical. M. Ruderfer. 2,486,985, Nov. 1.
- Printing wheel construction. C. W. Scott, and H. L. Wheeler. 2,475,524, July 5.
- Printing with sulfuric esters of leuco vat-dyestuffs. W. B. and E. M. Hardy. 2,466,656, Apr. 5.
- Printing with sulfuric esters of leuco vat dyestuffs. W. B. and E. M. Hardy. 2,474,785, June 28.
- Prism for folding a light path, Optical erecting. B. E. Luboshez. 2,472,600, June 7.
- Prism system for refractometer of the Abbé-type. J. W. Forrest. 2,474,044, June 21.
- Probe. J. L. McFarland and M. P. Van Camp. 2,459,174, Jan. 18.
- Probe for detecting and locating sources of electromagnetic energy. M. P. Van Camp and J. L. McFarland. 2,468,143, Apr. 26.
- Probe, Wide band. D. D. Grieg, A. M. Levine and L. Dubin. 2,483,410, Oct. 4.
- Procedure for making multiply metal stock. J. Kinney, Jr. 2,473,712, June 21.
- Process. B. B. Schaeffer. 2,484,469, Oct. 11.
- Process and apparatus for continuous digestion of fibrous materials. J. C. F. C. Richter. 2,474,862, July 5.
- Process and apparatus for continuously neutralizing dry acid cloth. R. E. Derby. 2,485,710, Oct. 25.
- Process and apparatus for converting hydrocarbons. A. H. Schutte. 2,482,137, Sept. 20.
- Process and apparatus for manufacturing gels. H. M. Weir. 2,485,249, Oct. 18.
- Process and apparatus for purifying pickling acid and recovering sulfates therefrom. N. Swindin. 2,484,799, Oct. 11.
- Process and apparatus for tensionless handling of running lengths of materials. H. H. Belcher. 2,474,717, June 28.
- Process and apparatus for the recovery of volatilizable constituents from underground carbonaceous formations. L. C. Uren. 2,481,051, Sept. 6.
- Process and apparatus for the synthesis of organic compounds. N. L. Dickinson. 2,481,089, Sept. 6.
- Process and composition for coloring copper and copper alloy surfaces. W. R. Meyer. 2,460,898, Feb. 8.
- Process and device for producing wool-like razor filaments. J. Stockly. 2,475,922, July 12.
- Process and products of sulfurization of linear methylpentadiene polymers. R. C. Morris and J. L. Van Winkle. 2,481,140, Sept. 6.
- Process to produce a stabilized protein-formaldehyde dispersion. L. L. McKinney. 2,461,070, Feb. 8.
- Processing agents for synthetic elastomers. J. R. Vincent. 2,463,224, Mar. 1.
- Processing apparatus, Article. W. B. Fairfield. 2,464,839, Mar. 22.
- Processing apparatus, Film. C. M. Tuttle and C. J. Kunz. 2,476,007, July 12.
- Processing apparatus, Nylon. T. W. Prosser. 2,487,764, Nov. 8.
- Processing machine. B. A. Brown and H. J. Houck. 2,484,550, Oct. 11.
- Processing of starch pastes. B. D. Miller. 2,481,436, Sept. 6.
- Processing olives. L. B. Sammls and R. L. Keck. 2,464,947, Mar. 22.
- Processing storage battery plates, Machine for. M. F. Chubb. 2,474,091, June 21.
- Proctoscope. M. H. Kowan. 2,469,880, May 10.
- Prod. Stock. G. H. Bartel. 2,484,147, Oct. 11.
- Prod. Test. E. E. Helin. 2,485,881, Oct. 25.
- Producer gas generator. D. S. Row. 2,481,287, Sept. 6.
- Producing a sintered abrasive body. A. C. Wickman. 2,471,132, May 24.
- Producing a supported platinum metal catalyst. E. F. Rosenblatt. 2,475,155, July 5.
- Producing a textile fabric having the two sides thereof in differing colors. A. Mellor and R. J. Mann. 2,475,672, July 12.
- Producing a waterproof seam for polyvinyl resinous coated fabrics. W. E. Schmidt and J. A. Ritzler. 2,480,882, Sept. 6.
- Producing acetylaltable cellulose from straw. H. Dreyfus. 2,487,114, Nov. 8.
- Producing acetylene black. R. L. Hasche. 2,475,282, July 5.
- Producing alumina. F. H. Sharp and C. C. March. 2,487,076, Nov. 8.

- Producing an intimate mixture of partially dextrinized farinaceous material and calcined gypsum. G. W. Schustek, Jr. 2,487,030, Nov. 1.
- Producing and laying out revetments. A. B. Pickett. 2,476,682, July 19.
- Producing beryllium fluoride. W. S. Peterson and C. B. Willmore. 2,487,270, Nov. 8.
- Producing clear, bubble-free castings by polymerizing monomeric vinylidene compounds in the presence of nitric oxide. H. Gilbert. 2,485,277, Oct. 18.
- Producing condensers or the like. I. Kramer. 2,475,187, July 5.
- Producing curly effects in yarn, Process and apparatus for. A. Künzle. 2,463,619, Mar. 8.
- Producing di(alkoxyphenyl) haloethane. D. A. Shirley. 2,484,057, Oct. 11.
- Producing effervescing carbonated beverages, Product for. H. J. Goricca and L. J. Novak. 2,463,962, Mar. 8.
- Producing embossed and intaglio effects in smooth surface articles formed of molded plastic. E. W. Clark. 2,475,375, July 5.
- Producing epsilon-caprolactam. W. B. Johnson and R. S. MacCormack. 2,487,246, Nov. 8.
- Producing latex foam. J. T. Marvin, and G. H. McFadden. 2,475,191, July 5.
- Producing new penicillins, Process and culture media for. O. K. Behrens, J. W. Corse, R. G. Jones, and Q. F. Soper. 2,479,295-7, Aug. 16.
- Producing packing structures. S. Bergstein. 2,474,391, June 28.
- Producing potassium tungstate. H. S. Colton, R. W. Frischmuth, and R. L. Knowles. 2,473,703, June 21.
- Producing predominantly lower oxidation products from hydrocarbons. C. F. Frutton, C. O. Miller, and W. G. Craig. 2,475,605, July 12.
- Producing pyrazine by catalytic dehydrogenation of piperazine. J. K. Dixon. 2,474,781, June 28.
- Producing rounded terminals of fusible metal. A. H. Hofberg. 2,485,444, Oct. 18.
- Producing skid-resistant treads. P. E. Hawkinson. 2,476,146, July 12.
- Producing stannic oxide. S. M. Baxter. 2,474,645, June 28.
- Producing three-color photographs. A. F. Thieuzard. 2,488,837, Nov. 22.
- Producing tobacco web material. F. J. Sowa and F. F. Tone. 2,485,670, Oct. 25.
- Producing 2,2-bis-(4-methoxyphenyl)-1,1,1-trichloroethane. D. A. Shirley. 2,484,056, Oct. 11.
- Product vending machine. E. J. Newcomer. Re. 23,103, Apr. 26.
- Production of a lithium-aluminum compound as a base for a conversion catalyst. A. E. Smith and O. A. Beeck. 2,474,440, June 28.
- Production of columbium containing steel. C. Sykes and C. W. Wright. 2,482,948, Sept. 27.
- Production of heat-treating atmospheres, Apparatus for. J. G. Hoop. 2,473,527, June 21.
- Production of improved extruded polytetrafluoroethylene articles. S. B. Bogese. 2,485,691, Oct. 25.
- Production of penicillin. A. J. Moyer. 2,476,107, July 12.
- Products mechanism, Partial. R. E. Bitner. 2,473,466, June 14.
- Products obtained by reacting phosphorus pentasulfide with sulfurized ketones. F. P. Otto and R. E. Meyer. 2,459,090, Jan. 11.
- Products of vinyl halides, Preparation of granular polymerization. M. Baer. 2,470,911, May 24.
- Products recovered from forage crops, Water-soluble. W. R. Graham, Jr., G. O. Kohler, and E. E. Frye. 2,483,634, Oct. 4.
- Progressive die and making it. A. D. Johnson. 2,465,019, Mar. 22.
- Progressive drawer support. R. Christopherson. 2,460,923, Feb. 8.
- Projectile. J. D. Jordan. 2,485,887, Oct. 25.
- Projectile. W. T. Moore, J. H. Church, and W. E. Thibodeau. 2,466,726, Apr. 12.
- Projectile, Aerial. J. A. Core. 2,490,031, Dec. 6.
- Projectile, Aerial. W. N. Racine. 2,490,470, Dec. 6.
- Projectile, Electrically fired rocket. E. G. Uhl and L. A. Skinner. 2,466,752, Apr. 12.
- Projectile for distributing materials, Self-propelled. M. R. Jeppson. 2,476,302, July 19.
- Projectile operating with rocket propulsion. C. D. Burney. 2,489,953, Nov. 29.
- Projectile quenching apparatus. F. H. Mueller. 2,492,434, Dec. 27.
- Projectile, Rocket. C. F. Bjork and J. M. Woods. 2,479,718, Aug. 23.
- Projectile, Rocket. S. Golden. 2,490,349, Dec. 6.
- Projectile, Rocket. C. N. Hickman. 2,460,289, Feb. 1.
- Projectile, Rocket. C. N. Hickman. 2,462,099, Feb. 22.
- Projectile timing. H. G. Busignies and L. A. De Rosa. 2,465,351, Mar. 29.
- Projecting device using reflected light, Watch dial. S. Loewe and B. Lowe. 2,486,425, Nov. 1.
- Projecting powders carrying electrostatic charges, Method and device for. O. Yadoff. 2,477,947, Aug. 2.
- Projecting streams. R. L. Luce. 2,489,097, Nov. 22.
- Projecting system, Motion-picture. F. H. Whiteley. 2,460,864, Feb. 8.
- Projection and plotting device. W. L. Morey and R. A. Taylor. 2,460,841, Feb. 8.
- Projection and viewing apparatus, Image. H. R. Jones and E. W. Wilby. 2,476,494, July 19.
- Projection apparatus and preparing three dimensional models. H. L. Cooke. 2,464,794, Mar. 22.
- Projection apparatus, Electrooptical. R. D. Brown, Jr. 2,467,462, Apr. 19.
- Projection apparatus for objects in machining operations. F. D. Korkosz. 2,489,789, Nov. 29.
- Projection apparatus for tool setting. J. B. Brennan. 2,485,355, Oct. 18.
- Projection apparatus for training mechanisms. R. B. Johnson. 2,461,423, Feb. 8.
- Projection apparatus having opaque shutter and screen illumination means. A. Mottu. 2,484,956, Oct. 18.
- Projection apparatus, Schmidt-type image. F. H. Nicoll. 2,476,898, July 19.
- Projection apparatus, Visual observation and silhouette. G. D. Armerding. 2,461,623, Feb. 15.
- Projection apparatus with brilliant illumination means, Episcopic. B. Martin. 2,468,679, Apr. 26.
- Projection device, Navigational map. R. L. Duncan. 2,472,098, June 7.
- Projection indicating apparatus, Shadow image. E. von Müllinen. 2,471,800, May 31.
- Projection machine, Image copying. R. M. Lacey. 2,474,055, June 21.
- Projection of twisted wires. H. E. Wellcome. 2,469,533, May 10.
- Projection screen. K. O. Cechmanek. 2,479,812, Aug. 23.
- Projection screen. M. A. Renison. 2,486,206, Oct. 25.
- Projection system corrected for spherical aberration, Film picture. E. Boecking. 2,479,553, Aug. 23.
- Projection system for speakers' stands, Image. H. S. Goldberg. 2,484,379, Oct. 11.
- Projection system having apertured concave image forming mirror, Optical. E. H. Traub. 2,489,835, Nov. 29.
- Projection system with field flattening lens, Light slit. E. W. Kellogg. 2,478,698, Aug. 9.
- Projection viewer having manual lens adjusting and film moving means, Microfilm. E. F. Lindner. 2,481,850, Sept. 13.
- Projector and magazine therefor, Slide. H. E. Page. 2,460,359, Feb. 1.
- Projector and system, Optical. J. P. Laird, Jr. 2,482,115, Sept. 20.
- Projector apparatus and cabinet combination device, Picture. W. C. Fitt. 2,477,923, Aug. 2.
- Projector, Automatic slide. F. P. Bennett and G. E. Musebeck. 2,476,797, July 19.
- Projector, Ball. R. Richards. 2,482,437, Sept. 20.
- Projector, Bowling game ball. L. Almasi. 2,473,087, June 14.
- Projector, Color television. C. C. Larson. 2,489,299, Nov. 29.
- Projector, Disk picture. R. S. Moore. 2,461,756, Feb. 15.
- Projector, Figurine ball. H. M. Wescott. 2,470,962, May 24.
- Projector, Fluid. T. R. Hayner and T. Loew. 2,479,570, Aug. 23.
- Projector for bowling balls. F. O. Wickersham. 2,490,288, Dec. 6.
- Projector for bowling games, Tethered ball. B. H. Hanff, Jr. 2,490,802, Dec. 13.
- Projector for variable indicating devices, Optical image. A. Goldberg. 2,479,343, Aug. 16.
- Projector, Grenade. W. E. Swift, Jr. 2,459,854, Jan. 25.
- Projector, Light. R. Wendel. 2,481,054, Sept. 6.
- Projector, Magnetic puck. H. E. Gray. 2,492,423, Dec. 27.
- Projector, Marble. D. B. Brooks and C. J. Van Boven. 2,473,091, June 14.
- Projector mechanism having unitary cabinet means and screen, Film and slide. A. M. Davock. 2,485,709, Oct. 25.
- Projector, Missile. W. Nicholas. 2,484,844, Oct. 18.
- Projector, Motion-picture. L. H. Moomaw. 2,468,993, May 3.
- Projector, Motion-picture. O. R. Nemeth. 2,472,983, June 14.
- Projector, Nonintermittent motion-picture. W. C. Plank. 2,460,432, Feb. 1.
- Projector of the continuously moving film type, Motion-picture. J. R. Hearst. 2,487,335, Nov. 8.
- Projector, Radiation. C. S. Piggot and J. E. MacAdams. 2,477,648, Aug. 2.
- Projector, Shrinkage compensating rotatable prism cinematographic. F. F. Ehrenhaft. 2,464,384, Mar. 15.
- Projector, Slide. B. J. Wolfe. 2,477,107, July 26.
- Projector, Smoke bomb. J. H. McLain and A. C. Fairchild. 2,459,833, Jan. 25.
- Projector, Still picture. S. Marcus and E. J. Anton. 2,468,565, Apr. 26.
- Projector with spherical aberration corrector, Schmidt television. J. G. Baker and C. S. Szegho. 2,491,072, Dec. 13.
- Prolamine filaments, Producing. C. B. Croston and C. D. Evans. 2,478,248, Aug. 9.
- Prolamines, Plasticized. L. D. Myers and J. D. Fitzpatrick. 2,470,515, May 17.
- Promoter in the manufacture of cobalt carbonyl, Use of a. C. H. McKeever. 2,477,553, July 26.
- Promotion of conjugated diene emulsion polymerization by trichloromethyl-substituted mercaptans. J. E. Kirby and W. H. Sharkey. 2,477,338, July 26.
- Prompting system. P. Rosenberg. 2,475,641, July 12.

- Proofing cabinet and pan rack. G. Helm. 2,464,573, Mar. 15.
- Proofing proteinaceous fibers against biological attack. E. B. Higgins. 2,483,008, Sept. 27.
- Prop. Adjustable metal. J. A. Clark. 2,468,484, Apr. 26.
- Prop. Clothes. H. A. Kearns. 2,475,548, July 5.
- Prop. Clothesline. W. L. Baumeier. 2,460,916, Feb. 8.
- Prop. Clothesline. J. E. Wenzel. 2,486,696, Nov. 1.
- Prop. Foldable. K. T. Snyder. 2,486,218, Oct. 25.
- Prop or the like, Clothes. F. O. Skidmore. 2,483,388, Sept. 27.
- Propagation of radio waves through a tunnel. J. P. Shanklin. 2,478,133, Aug. 2.
- Propane chlorination. E. T. McBee and L. W. Devaney. 2,473,161, June 14.
- Propanoic acid, Preparing substituted. E. Pierson and M. Tishler. 2,460,785, Feb. 1.
- Propel-repel device. H. B. Greene. 2,487,538, Nov. 8.
- Propellant powders. G. C. Hale and L. F. Audrieth. 2,480,852, Sept. 6.
- Propellants, Manufacture of. C. P. Fenimore, L. P. Kuhn and J. H. Frazer. 2,484,023, Oct. 11.
- Propeller. G. Annesley. 2,473,697, June 21.
- Propeller. J. Fischer. 2,469,919, May 10.
- Propeller. M. J. Morgan. 2,466,777, Apr. 12.
- Propeller. R. K. Odor. 2,460,902, Feb. 8.
- Propeller. W. W. K. Van Nort. 2,473,665, June 21.
- Propeller. W. Waterval. 2,474,562, June 28.
- Propeller. Adjustable pitch. E. H. Rouse. 2,477,944, Aug. 2.
- Propeller, Aircraft. T. Bragdon, C. S. J. MacNeil, J. Stuart, III, and T. Williams. 2,465,007, Mar. 22.
- Propeller, Airplane. W. B. Klos. 2,491,862, Dec. 20.
- Propeller, Automatic. G. T. Lampton and D. W. Perin. 2,483,912, Oct. 4.
- Propeller blades, Brazing. R. Richardson. 2,483,934, Oct. 4.
- Propeller blades, Fabricating. L. H. Enos. 2,487,860, Nov. 15.
- Propeller clutch. G. W. Martin. 2,477,521, July 26.
- Propeller construction. P. F. Hackethal. 2,487,127, Nov. 8.
- Propeller containing diagonally disposed fibrous material. M. M. Munk. 2,484,308, Oct. 11.
- Propeller, Controllable pitch. M. M. Sensenich. 2,488,687, Nov. 22.
- Propeller, Controllable pitch. M. M. Sensenich and H. R. Uhrich. 2,488,686, Nov. 22.
- Propeller controller. T. B. Martin. 2,466,775, Apr. 12.
- Propeller device, Marine. J. H. Miller. 2,473,603, June 21.
- Propeller dolly. L. L'Esperance and H. A. Schneider. 2,468,884, May 3.
- Propeller drive, Multiple. N. C. Mimopoulos. 2,474,855, July 5.
- Propeller drive, Two-speed dual rotation. A. L. Highberg. 2,466,949, Apr. 12.
- Propeller drive unit with automatic depth regulation. H. I. Johnson. 2,479,119, Aug. 16.
- Propeller foil plates, Constructing. F. A. Gruetjen. 2,471,486, May 31.
- Propeller, Foot-power. A. Montalbano. 2,484,720, Oct. 11.
- Propeller for aircraft. G. W. Hardy. 2,487,239, Nov. 8.
- Propeller for aircraft. E. N. Hartzell. 2,485,827, Oct. 27.
- Propeller hub. D. Biermann. 2,492,615, Dec. 27.
- Propeller, Manually driven portable steering. J. F. Stephens. 2,487,195, Nov. 8.
- Propeller mechanism. H. Carson and M. J. Duer. 2,467,964, Apr. 19.
- Propeller mechanism and control. G. W. Hardy. 2,491,375, Dec. 13.
- Propeller mechanism for barges, scows, and the like, Outboard. A. W. Wanzer. 2,453,813, Jan. 11.
- Propeller mechanism, Variable pitch. J. Remmen. 2,484,739, Oct. 11.
- Propeller mounting. D. Biermann. 2,485,809, Oct. 25.
- Propeller mounting. E. C. Kiekhaefer. 2,469,116, May 3.
- Propeller pitch changing mechanism, Automatic. M. J. Walker. 2,468,004, Apr. 19.
- Propeller, Reversible. R. S. Graham. 2,486,643, Nov. 1.
- Propeller, Reversible. E. R. and L. E. Kennedy. 2,472,836, June 14.
- Propeller, Screw. L. G. Fairhurst. 2,486,016, Oct. 25.
- Propeller shaft support. H. E. Bero. 2,465,785, Mar. 29.
- Propeller spinner anticling system, Aircraft. G. A. Dean. 2,485,234, Oct. 18.
- Propeller tip sections, Forming. E. R. Koppel. 2,465,884, Mar. 29.
- Propeller tips, Making. W. C. Heath. 2,465,872, Mar. 29.
- Propeller unit for aircraft. E. H. Desmoullins. 2,484,273, Oct. 11.
- Propeller, Variable pitch. H. M. McCoy. 2,480,871, Sept. 6.
- Propeller, Variable pitch. H. J. Nichols. 2,474,635, June 28.
- Propeller, Variable-pitch. H. Obrist. 2,470,517, May 17.
- Propeller, Variable pitch and reversible pitch. F. D. Hoinville. 2,480,468, Aug. 30.
- Propeller, Variable thrust and reversing. J. B. James. 2,481,751, Sept. 13.
- Propeller with a damped flexible axial-coupling between the two hubs, Dual rotation. C. M. Kearns, Jr. 2,464,773, Mar. 15.
- Propellers, Oppositely rotating. W. S. Hoover. 2,470,560, May 17.
- Propelling mechanism, Aircraft. J. E. Broyles. 2,475,813, July 12.
- Propelling unit for trucks. I. F. Schreck. 2,478,327, Aug. 9.
- Propionic acids by reduction of beta propiono lactones, Preparation of. H. J. Hagemeyer, Jr. 2,484,500, Oct. 11.
- Proportional cycling switch. J. A. Senn. 2,487,948, Nov. 15.
- Proportioning valve. C. D. Hirst and G. L. Woodington. 2,480,925, Sept. 6.
- Propulsion and steering device, Marine. F. A. Forlano. 2,467,022, Apr. 12.
- Propulsion apparatus, Jet. H. J. D. McCollum. 2,474,685, June 28.
- Propulsion device for vessels, Buoyant. J. Vigneault. 2,477,103, July 26.
- Propulsion for aircraft and the like. A. G. Forsyth. 2,474,143, June 21.
- Propulsion means comprising an internal-combustion engine and a propulsive jet. J. A. Johnson. 2,465,099, Mar. 22.
- Propulsion means, Propeller. J. J. Van Eaton. 2,475,115, July 5.
- Propulsion means, Ship. D. Diamantides. 2,460,339, Feb. 1.
- Propulsion system. J. Sivertsen. 2,491,693, Dec. 20.
- Propulsion system for boats, Hydraulic. E. C. C. Miller. 2,486,049, Oct. 25.
- Propulsive device, Fluid reaction. T. D. Gregg. 2,475,022, July 5.
- Propylene alkylation with aluminum chloride complex catalyst. E. F. Pevere. 2,488,603, Nov. 22.
- Propylene glycol solutions of dihydroxy ethers. F. M. Berger, W. Bradley, and F. G. Sayer. 2,468,423, Apr. 26.
- Propylene polymers, Production of. A. B. Hersberger and R. G. Heiligmann. 2,474,670, June 28.
- Prospecting method, Geophysical. N. P. Stevens. 2,479,787, Aug. 23.
- Prosthetic device. C. J. Thorne. 2,471,360, May 24.
- Prosthetic knee joint. C. V. and C. M. Ganoe. 2,465,585, Mar. 29.
- Protecting device for electrical terminals. J. Schneider-Mertins. 2,482,542, Sept. 20.
- Protecting device for the commutator and brushes of dynamo machines. C. W. Berthiez. 2,469,029, May 3.
- Protecting device for the heels of shoes. H. Faybert. 2,489,368, Nov. 29.
- Protecting device for transformers. R. H. Earle. 2,457,879, Jan. 4.
- Protecting ferrous metal surfaces by coating and dipping solution for use therein. C. W. Clark and J. H. Schloen. 2,475,944, July 12.
- Protecting means for electrical windings. F. J. Sigmund and W. S. Hlavin. 2,483,066, Sept. 27.
- Protecting metal surfaces during soldering and brazing processes. C. H. Jennings, and E. R. Gamberg. 2,473,887, June 21.
- Protecting metallic surfaces. P. J. Nebe. 2,485,061, Oct. 18.
- Protecting metallic surfaces against tarnishing and corrosion. J. Kamlet. 2,475,186, July 5.
- Protecting subterranean metallic structures. D. E. Stearns. 2,491,225, Dec. 13.
- Protecting systems for transporting media corrosive to metal. H. L. Kahler. 2,460,259, Jan. 25.
- Protection for brake cylinders, Piston sleeve. H. H. Johnson. 2,486,787, Nov. 1.
- Protection mechanism, Overload. E. M. Calkins. 2,475,970, July 5.
- Protection of cathode-ray tube screens, Electrical. K. R. Wendt. 2,476,167, July 12.
- Protection of objects. H. F. Meyer. 2,474,271, June 28.
- Protection of optical instruments by radium emanations. R. E. Vicklund. 2,478,955, Aug. 16.
- Protection of parallel-connected condensers. J. M. Wallace and J. B. Owens. 2,488,454, Nov. 15.
- Protective apparatus, Instrument. L. E. Wood. 2,468,698, Apr. 26.
- Protective arrangement for electric power systems. G. W. Almasy. 2,483,117, Sept. 27.
- Protective arrangement for switch contacts. A. M. Curtis. 2,481,003, Sept. 6.
- Protective arrangement, Low-voltage. D. F. Alexander. 2,483,515, Oct. 4.
- Protective coupling circuit. A. G. Kandoian. 2,485,606, Oct. 25.
- Protective device. F. D. Huntsman. 2,461,604, Feb. 15.
- Protective device. G. F. Lincks. 2,458,948, Jan. 11.
- Protective device. R. G. Sands. 2,463,718, Mar. 8.
- Protective device. S. R. Smith, Jr. 2,469,215, May 3.
- Protective device for automotive electric circuit. H. Gallina. 2,485,727, Oct. 25.
- Protective device for casters. V. L. Humphreys. 2,471,958, May 31.
- Protective device for relay contacts. H. M. Knapp. 2,491,272, Dec. 13.

- Protective device, Overload. W. E. Stilwell, Jr. 2,484,863, Oct. 18.
- Protective equipment. A. R. Brown. 2,488,167-8, Nov. 15.
- Protective garment. C. L. Henninger. 2,482,182, Sept. 20.
- Protective means, Electric. R. E. Seely. 2,471,840, May 31.
- Protective means for contacts. R. Lee. 2,474,850, July 5.
- Protective means for electron discharge devices. C. V. Litton. 2,477,633, Aug. 2.
- Protective switch. C. E. Mosley. 2,462,212, Feb. 22.
- Protective system. G. E. Frost. 2,468,743, May 3.
- Protective system, Electrical. M. K. Moore. 2,470,257, May 17.
- Protective system for electric lines. E. H. Yonkers, Jr. 2,474,711, June 28.
- Protective system for three-phase single-phase machines. D. Sciaky. 2,474,867, July 5.
- Protector: See—
- Bel lows shaft seal protector.
 - Check protector.
 - Circuit protector.
 - Clothes protector.
 - Clothing protector.
 - Eye protector.
 - Fender protector.
 - Fingernail protector.
 - Floor protector.
 - Hose protector.
 - Joint protector.
 - Laminated inner shoe protector.
 - Lock protector.
 - Oar protector.
 - Paintbrush protector.
 - Phase reversal protector.
 - Ship protector.
 - Shoe protector.
 - Shoe sole protector.
 - Sole protector.
 - Stocking protector.
 - Telescopic sight protector.
 - Terminal protector.
 - Thermal motor protector.
 - Thread protector.
 - Toilet seat protector.
 - Umbrella rib tip protector.
 - Wall protector.
 - Yarn protector.
- Protector and warmer, Nasal and sinus. W. E. Tiffany. 2,468,383, Apr. 26.
- Protector applicable to drinking vessels for avoiding contamination by the mouth, Hygienic. M. G. Villegas de Orlbe. 2,459,558, Jan. 18.
- Protector for air purifying canisters, Liquid. K. B. Ray and W. P. Yant. 2,478,054, Aug. 2.
- Protector for automobile ignition switch coil leads. E. N. Jacobi. 2,483,284, Sept. 27.
- Protector for corns, bunions and the like. J. Madaio. 2,464,457, Mar. 15.
- Protector for garment hangers, Nonwrinkle collar. R. Zimmerman. 2,468,477, Apr. 26.
- Protector for hats, Head. L. S. Smith. 2,478,550, Aug. 9.
- Protector for horse collars, Metal. D. E. Davis. 2,466,213, Apr. 5.
- Protector for pipes. L. Gazdik. 2,471,209, May 24.
- Protector for rolled strip material, End. P. G. Salem. 2,460,434, Feb. 1.
- Protector for shoes and boots. A. L. Cruise. 2,485,706, Oct. 25.
- Protector for skate blades. E. H. Planert. 2,466,475, Apr. 5.
- Protector for skis, Snow. G. Johnson. 2,458,602, Jan. 11.
- Protector for the bottom edges of trousers. F. F. Hartlage. 2,488,594, Nov. 22.
- Protector mechanism for looms. W. A. Blanchard. 2,491,916, Dec. 20.
- Protector mechanism for looms, Electric. C. R. Kronoff, and V. F. Sepavich. 2,475,505, July 5.
- Protector pad. D. Ortleb. 2,462,768, Feb. 22.
- Protector pad for drying machines, Button. S. M. Hyman. 2,480,929, Sept. 6.
- Protector with adjustable anchoring means, Ear. M. C. Rosenblatt. 2,476,224, July 12.
- Protector with severable sections, Waterproof shoe. P. K. Morgan. 2,465,911, Mar. 29.
- Protector with sliding closure, Cigarette package. D. W. Davis. 2,489,452, Nov. 29.
- Protein and hemicellulose from oil seed residue meal, Simultaneously recovering. G. Davidson. 2,464,075, Mar. 8.
- Protein compositions, Forming. J. R. Calhoun and T. M. Buzzo. 2,469,546, May 10.
- Protein dispersions and their use in printing inks. A. F. Schmutzler and D. F. Othmer. 2,482,879, Sept. 27.
- Protein dispersions, Preparing. J. J. Eberl. 2,484,878, Oct. 18.
- Protein filaments, Manufacture of artificial. R. H. K. Thomson. 2,460,372, Feb. 1.
- Protein filaments, Production of. W. A. Caldwell and E. R. Winton. 2,489,519, Nov. 29.
- Protein fractionation. E. J. Cohn. 2,469,193, May 3.
- Protein from oil seed residues, Obtaining. G. Davidson. 2,479,040, Aug. 16.
- Protein from seeds, Extraction of. R. L. Wormell, A. F. Millidge, and C. L. Knight. 2,461,404, Feb. 8.
- Protein hydrolysate containing essential amino acids and preparation thereof. M. Sahyun. 2,470,955, May 24.
- Protein, Preparing modified. I. A. Parfentjev. 2,473,255, June 14.
- Protein products, Preparation of dried. E. W. Hopkins. 2,465,875, Mar. 29.
- Proteinaceous and fatty foods resistant to microorganisms, Making. G. H. Coleman and P. A. Wolf. 2,474,228, June 28.
- Proteins from castor beans, Recovery of. M. W. Pascal. 2,467,402, Apr. 19.
- Proteins from milk products, Separation of. A. Leviton. 2,460,891, Feb. 8.
- Proteins, Treatment of. H. L. Keil and J. S. Ingraham. 2,477,255, July 26.
- Protractor. O. L. Anderson. 2,481,062, Sept. 6.
- Protractor. F. A. Barr. 2,470,458, May 17.
- Protractor. A. R. Creain. 2,477,724, Aug. 2.
- Protractor. R. O. Gallington and J. M. Canaris. 2,480,914, Sept. 6.
- Protractor, Construction. B. Vitez. 2,476,338, July 19.
- Protractor for use on charts, Navigational. C. L. Sturtevant and W. R. McCathran, Jr. 2,488,570, Nov. 22.
- Protractor, Layout. R. H. Storch. 2,458,114, Jan. 4.
- Provitamin A. H. G. and W. H. Petering. 2,482,635, Sept. 20.
- Pseudo linear polysulfide polymer. J. C. Patrick and H. R. Ferguson. 2,485,107, Oct. 18.
- Psychrometer. J. Kahl. 2,467,316, Apr. 12.
- Pteridine compounds and preparing same. M. E. Hultquist. 2,466,897, Apr. 12.
- Pterin compounds, Preparing. L. Doub and L. L. Bambas. 2,476,360, July 19.
- Pterins, Preparing. M. E. Hultquist and D. R. Seeger. 2,472,481, June 7.
- Pterins, Preparing substituted. M. E. Hultquist and P. F. Dreisbach. 2,472,482, June 7.
- Pteric acid and amino acid amides thereof, Preparing. J. H. Boothe. 2,472,462, June 7.
- Pterylglutamic acid and related compounds, Purifying. B. L. Hutchings. 2,470,490, May 17.
- Pterylglutamic acid, Purification of. B. L. Hutchings. 2,470,491, May 17.
- Pterylglutamic acid, Purifying. C. W. Waller. 2,474,022, June 21.
- Puff-brushing machine. J. E. Valentine. 2,477,154, July 26.
- Pull box. A. Towart, Jr. 2,486,447, Nov. 1.
- Pull down device. V. E. Richardson. 2,459,840, Jan. 25.
- Pull-out switch. N. J. Schmelig and F. S. Green. 2,472,268, June 7.
- Pull rod. R. S. Sperry. 2,488,566, Nov. 22.
- Puller: See—
- Cork puller.
 - Gear or wheel puller.
 - Gear puller.
 - Liner puller.
 - Plate puller.
 - Post puller.
 - Shaft puller.
 - Staple puller.
 - Tie puller.
 - Valve puller.
 - Valve stem puller.
 - Weed puller.
- Puller. L. R. Jennings and F. T. Fish. 2,486,851, Nov. 1.
- Pulley. S. T. and F. L. Farrell. 2,469,297, May 3.
- Pulley. F. A. Smith. 2,471,906, May 31.
- Pulley, Adjustable V-belt. D. B. Carlson. 2,480,222, Aug. 30.
- Pulley and cutter, Rivet stem. C. W. Cherry. 2,467,610, Apr. 19.
- Pulley, Leverage. A. R. Lofstrand. 2,480,865, Sept. 6.
- Pulley, more particularly for aircraft. D. W. Cooper. 2,478,806, Aug. 9.
- Pulley mounting for band saws, Adjustable. W. Lasar. 2,481,975, Sept. 13.
- Pulley, Safety. R. Sherry. 2,489,679, Nov. 29.
- Pulley, Split. D. J. Munroe. 2,475,800, July 12.
- Pulley, Variable pitch. W. E. Gerbing. 2,475,955, July 12.
- Pulley, Variable speed. W. E. Gerbing. 2,475,954, July 12.
- Pulley, Variable-speed. W. W. Hallinan. 2,459,377-8, Jan. 18.
- Pulling and pushing device. J. C. Malen. 2,484,043, Oct. 11.
- Pulp apparatus and method, Molded. M. P. Chaplin. 2,471,932, May 31.
- Pulp free from starch, Banana. C. Ermert. 2,472,289, June 7.
- Pulpstone. H. W. H. Beth. 2,467,878, Apr. 19.
- Pulper. G. W. Dodge. 2,485,368, Oct. 18.
- Pulping apparatus. C. E. Kerr. 2,477,620, Aug. 2.
- Pulsation absorber. J. Johnson. 2,489,491, Nov. 29.
- Pulsation elimination in fluid streams. I. C. Bechtold, F. M. Stephens, and C. Newman. 2,474,512, June 28.
- Pulsation elimination in fluid streams, Apparatus for. F. M. Stephens and C. F. Yates. 2,474,554, June 28.
- Pulsations in gas lines, Elimination of. F. M. Stephens. 2,474,553, June 28.
- Pulsator for milking machines. L. Dinesen. 2,489,563, Nov. 29.
- Pulsator for milking machines. W. F. Frock. 2,477,975, Aug. 2.
- Pulsator for milking machines. R. E. Maes. 2,460,426, Feb. 1.
- Pulsator system. A. E. Kremiller. 2,459,326, Jan. 18.
- Pulsator system, Hydraulic. H. K. Ferrill. 2,466,908, Apr. 12.
- Pulse and square wave generator. J. D. Schantz. 2,459,723, Jan. 18.
- Pulse code modulation communication system. J. R. Pierce. 2,464,607, Mar. 15.
- Pulse code operated electronic range indicator. A. B. Jacobsen. 2,482,544, Sept. 20.
- Pulse coding system. E. Cole. 2,492,134, Dec. 27.
- Pulse communication. O. E. Dow. 2,458,574, Jan. 11.
- Pulse communication system, Multichannel electrical. E. Labin and D. D. Grieg. 2,462,874, Mar. 1.

- Pulse communication system, Multichannel time modulated electrical. M. M. Levy. 2,489,302, Nov. 29.
- Pulse delay system. R. C. Moore. 2,479,954, Aug. 23.
- Pulse discrimination system. G. W. Lenny, Jr., and P. E. Ward. 2,482,782, Sept. 27.
- Pulse echo apparatus for spotting shellfire. E. F. W. Alexanderson. 2,463,233, Mar. 1.
- Pulse-echo distance indicator. J. Evans. 2,466,539, Apr. 5.
- Pulse-echo distance measuring, Method and apparatus for. E. J. Isbister. 2,481,515, Sept. 13.
- Pulse-echo locator system to distinguish between moving and stationary objects, Radio. R. S. Holmes. 2,491,450, Dec. 13.
- Pulse echo recognition system. A. A. Joyner. 2,471,373, May 24.
- Pulse-echo system. P. C. Gardiner. 2,467,202, Apr. 12.
- Pulse echo system. W. C. Hahn. 2,467,208, Apr. 12.
- Pulse echo system. D. E. Norgaard. 2,465,113, Mar. 22.
- Pulse echo systems and pulse indicating means. F. G. Patterson. 2,461,998, Feb. 15.
- Pulse generation. J. F. Gordon. 2,470,028, May 10.
- Pulse generator. R. H. Dunn. 2,476,963, July 26.
- Pulse generator. M. Fischman. 2,461,110, Feb. 8.
- Pulse generator. H. C. Lindahl. 2,485,101, Oct. 18.
- Pulse generator. S. Moskowitz. 2,468,100, Apr. 26.
- Pulse generator. J. A. Ryles. 2,485,778, Oct. 25.
- Pulse generator. C. M. Woodruff. 2,467,415, Apr. 19.
- Pulse generating circuit. H. W. Lord. 2,485,395, Oct. 18.
- Pulse-modulated wave-signal generator. J. J. Okrent. 2,469,174, May 3.
- Pulse modulating system. R. H. Noyes. 2,476,997, July 26.
- Pulse modulating system. G. Potier. 2,492,004, Dec. 20.
- Pulse modulator, Line. L. Greenwald. 2,474,243, June 28.
- Pulse multichannel system employing cathode-ray tube modulators, Two-way. E. Labin and D. D. Grieg. 2,468,085, Apr. 26.
- Pulse multiplex receiver. J. R. Day. 2,469,066, May 3.
- Pulse operated system. B. M. Oliver. 2,483,594, Oct. 4.
- Pulse producing apparatus. J. Evans. 2,470,560, May 17.
- Pulse radio echo distance indicator. C. E. Dolberg. 2,483,187, Sept. 27.
- Pulse receiver system for improved target tracking. G. E. White. 2,480,171, Aug. 30.
- Pulse receiving and repeating system. C. M. Theillaumas. 2,462,144, Feb. 22.
- Pulse receiving circuit. L. A. B. Cabes. 2,474,220, June 28.
- Pulse shape modifying circuit. S. H. M. Dodington. 2,477,585, Aug. 2.
- Pulse storage device. O. H. Schmitt. 2,468,687, Apr. 26.
- Pulse system. C. W. Hansell. 2,478,920, Aug. 16.
- Pulse system. H. O. Peterson. 2,458,633, Jan. 11.
- Pulse system, Electrical. V. C. Westcott. 2,459,858, Jan. 25.
- Pulse testing equipment. F. H. Hibbard. 2,457,892, Jan. 4.
- Pulse translator. D. D. Grieg. 2,462,860, Mar. 1.
- Pulse width control. J. A. Buckbee. 2,490,026, Dec. 6.
- Pulser circuit. H. Morrison. 2,469,977, May 10.
- Pulser tube. R. C. Hilliard. 2,464,762, Mar. 15.
- Pulses, Generation of electric. P. K. Chatterjee, D. M. Ambrose, and J. K. Beney. 2,462,071, Feb. 22.
- Pulses, Production of electric. E. A. Guillemin. 2,461,321, Feb. 8.
- Pulsing circuit. F. M. Pearsall, Jr. 2,489,926, Nov. 29.
- Pulsing device for electrically operated perforators. H. F. Kogler and J. E. Wack. 2,492,584, Dec. 27.
- Pulsing system for ultra high frequency generators. K. J. Stiefel. 2,462,918, Mar. 1.
- Pulverized fuel burner. F. T. Hague. 2,458,992, Jan. 11.
- Pulverizer grate structure, including a curved-side filler piece. G. O. Verch. 2,463,223, Mar. 1.
- Pulverizer having internal flow area adjusting means, Air-swept. G. B. Ebersole. 2,473,514, June 21.
- Pulverizer, Horizontal-disk. J. Niethamer. 2,478,937, Aug. 16.
- Pulverizer, Jet impact. N. H. Andrews. 2,487,088, Nov. 8.
- Pulverizer, Multiple stage roller. S. W. Traylor, Jr. 2,464,733, Mar. 15.
- Pulverizer, Soil. R. L. Hart. 2,483,767, Oct. 4.
- Pulverizer, Soil. W. A. Hyland. 2,470,619, May 17.
- Pulverizing mill. W. R. Mobley. 2,464,775, Mar. 15.
- Pump: See—
- Air pump.
- Alternating piston pump.
- Automobile water pump.
- Axially sliding vane rotary pump.
- Balanced gear pump.
- Bilge pump.
- Booster pump.
- Centrifugal pump.
- Combination pump.
- Deep and shallow well pump.
- Deep well pump.
- Diaphragm pump.
- Diffusion pump.
- Double-acting centrifugal pump.
- Double-acting reciprocating pump.
- Dry-air pump.
- Ejector and condensation pump.
- Ejector pump.
- Electric fuel pump.
- Electric pump.
- Electrically actuated pump.
- Electromagnetic pump.
- Engaging impellers pump.
- Fluid pressure operated pump.
- Fluid pump.
- Fuel injection pump.
- Fuel pump.
- Gear pump.
- Gravity feed centrifugal pump.
- Heat pump.
- Pump: See—Continued.
- Heavy oil and sand pump.
- Helical hollow rotor pump.
- Helical multiple pump.
- High-pressure fluid pump.
- Hydraulic pump.
- Infinite stage pump.
- Injection pump.
- In-line fluid pump.
- Interengaging impeller fluid pump.
- Ionic vacuum pump.
- Jet pump.
- Magnetic pump.
- Motor-driven pump.
- Multistage pump.
- Oscillating abutment rotary pump.
- Oscillating vane rotary pump.
- Oscillating vane piston pump.
- Planetary piston fuel pump.
- Pneumatic control accelerating pump.
- Pneumatically operated pump.
- Portable electric air pump.
- Pressure loaded gear pump.
- Pressure pump.
- Radial pump.
- Reciprocating pump.
- Reciprocating vane pump.
- Reciprocating vane rotary pump.
- Reversible cycle heat pump.
- Reversible internal gear pump.
- Roller vane rotary pump.
- Rotary balanced vane pump.
- Rotary expansible chamber pump.
- Rotary gear pump.
- Pump. H. E. Adams. 2,461,865, Feb. 15.
- Pump. B. Bartolucci. 2,490,575, Dec. 6.
- Pump. F. P. Bucklein. 2,479,724, Aug. 23.
- Pump. A. W. Burks. 2,460,122, Jan. 25.
- Pump. D. W. Criswell. 2,486,590, Nov. 1.
- Pump. E. A. Cuny. 2,462,725, Feb. 22.
- Pump. J. H. Davis. 2,483,335, Sept. 27.
- Pump. R. H. Dickinson. 2,490,118, Dec. 6.
- Pump. C. A. Erickson. 2,462,372, Feb. 22.
- Pump. C. A. Erickson. 2,485,439, Oct. 18.
- Pump. W. Ernst and W. R. Tucker. 2,477,444, July 26.
- Pump. J. R. Frei. 2,491,100, Dec. 13.
- Pump. I. C. Jennings. 2,470,563, May 17.
- Pump. L. E. Johnson. 2,481,754, Sept. 13.
- Pump. B. W. Mantle. Re. 23,175, Nov. 29.
- Pump. S. J. G. March. 2,467,942, Apr. 19.
- Pump. C. A. Meath. 2,483,218, Sept. 27.
- Pump. D. G. Miller. 2,484,387, Oct. 11.
- Pump. C. W. Mott. 2,470,220, May 17.
- Pump. E. J. Moulmier. 2,483,924, Oct. 4.
- Pump. A. V. Mueller. 2,477,079, July 26.
- Pump. W. L. Nies. 2,464,095, Mar. 8.
- Pump. E. O. Norris. 2,470,319, May 17.
- Pump. E. O. Rodaway. 2,489,931, Nov. 29.
- Pump. V. Schleyer. 2,479,969, Aug. 23.
- Pump. E. E. Theis. 2,491,230, Dec. 13.
- Pump. D. J. Whittingham. 2,472,355, June 7.
- Pump. J. C. Williams. 2,471,596, May 31.
- Pump and compressor, Internal gear. R. J. S. Pigott and E. A. Mori. 2,458,958, Jan. 11.
- Pump and filler assembly for filling batteries, Evacuation. L. E. Wood. 2,488,573, Nov. 22.
- Pump and motor hydraulic transmission, Gear type rotary. M. B. Carroll. 2,463,950, Mar. 8.
- Pump and motor hydraulic transmission system, Rotary. R. A. Kearns, and J. Decker. 2,473,711, June 21.
- Pump and motor, Variable displacement. M. F. Hill, F. A. Hill, 2nd, and J. L. Chapin, Jr. 2,484,789, Oct. 11.
- Pump and pressure control means, Vane. A. von Wangenheim. 2,460,047, Jan. 25.
- Pump and reservoir assembly, Lubricator. R. F. Urso. 2,460,203, Jan. 25.
- Pump and the like, Reciprocating. R. J. Ifield. 2,473,336, June 14.
- Pump and valve mechanism, Combination. L. Lee, II. 2,461,827, Feb. 15.
- Pump assembly. C. E. Carlson. 2,477,043, July 26.
- Pump assembly with pressure generating pump, Grease. V. G. Klein. 2,463,113, Mar. 1.
- Pump bearing and seal assembly lubrication. J. M. Roth and W. C. Mahler. 2,469,846, May 10.
- Pump by-pass valve assembly. J. M. Roth. 2,460,397, Feb. 1.
- Pump connection, Tire. J. M. Nickelsen and H. W. Emerick. 2,459,716, Jan. 18.
- Pump control, Automatic. A. J. Granberg. 2,475,703, July 12.
- Pump control system. C. M. Buck. 2,486,256, Oct. 25.
- Rotary internal gear pump.
- Rotary movable abutment pump.
- Rotary oscillating vane pump.
- Rotary pump.
- Rotary vane pump.
- Sanitary pump.
- Screw pump.
- Screw type air pump.
- Self-priming centrifugal pump.
- Self-printing centrifugal pump.
- Slidable vane pump.
- Sliding vane pump.
- Stage lift pump.
- Surge-compensated liquid pump.
- Thrust balanced screw pump.
- Unidirectional flow gear pump.
- Vacuum pump.
- Vapor expelling pump.
- Variable capacity hydraulic pump.
- Variable capacity rotary pump.
- Variable capacity sliding vane pump.
- Variable capacity vane pump.
- Variable delivery gear pump.
- Variable delivery pump.
- Variable delivery rotary pump.
- Variable displacement rotary pump.
- Variable stroke pump.
- Vertical deep well pump.
- Water pump.
- Weight-operated air pump.

- Pump coupling. C. J. Stubau. 2,484,321, Oct. 11.
 Pump device. G. Johnston. 2,471,753, May 31.
 Pump for aerating bait containers, Wind. C. A. Oliveros. 2,460,527, Feb. 1.
 Pump for aquarium aerators, Air. G. A. Thiberg. 2,471,796, May 31.
 Pump for Diesel engines, Fuel metering and distributing. F. L. Bartram. 2,491,795, Dec. 20.
 Pump for drilling apparatus. J. J. Slomer. 2,466,972, Apr. 12.
 Pump for dynamoelectric machines, Oil. C. O'Daniel. 2,470,365, May 17.
 Pump for evaporative air coolers or the like. G. C. Rudd and C. B. Wright. 2,459,097, Jan. 11.
 Pump for fluid transmissions, Variable delivery, reversible flow vane. R. D. Hartzler. 2,477,371, July 26.
 Pump for free-piston units, Auxiliary. W. A. Ledwith. 2,458,180, Jan. 4.
 Pump for gases and liquids to obtain varying pressures. G. A. Thiberg. 2,488,999, Nov. 22.
 Pump for hydraulic pitch changing mechanisms. J. E. Anderson. 2,462,931, Mar. 1.
 Pump for hydraulically operated machine tools, Lubricant. E. H. Koehler. 2,487,812, Nov. 15.
 Pump for liquefied gases, Rotary. R. V. Carlson. 2,468,170-1, Apr. 26.
 Pump for liquefied gases, Rotary. R. M. Thayer. 2,468,246, Apr. 26.
 Pump for outboard motors, Flexible vane. L. T. Kincannon. 2,460,421, Feb. 1.
 Pump for thick fibrous suspensions, Rotary. E. P. Cook. 2,460,278, Feb. 1.
 Pump liner, Tapered. E. E. Stevenson. 2,492,332, Dec. 27.
 Pump lock. R. St. J. Orr. 2,482,502, Sept. 20.
 Pump lubrication, Vacuum. C. H. Hapgood. 2,463,871, Mar. 8.
 Pump jack. J. B. Hawley, Jr., and A. C. Born. 2,488,124, Nov. 15.
 Pump means and motor means, Combined. B. R. Lipe and E. E. Schroeder. 2,459,036, Jan. 11.
 Pump mechanism. C. Johnson. 2,463,486, Mar. 1.
 Pump mounting. D. Sherwood. 2,481,452, Sept. 6.
 Pump or fluid motor, Movable vane rotary. R. J. F. Moore. 2,463,118, Mar. 1.
 Pump or motor, Balanced hydraulic. J. C. McAlvay. 2,479,077, Aug. 16.
 Pump or motor, Hydraulic. E. K. Benedek. 2,473,271, June 14.
 Pump or motor, Hydraulic axial vane. W. R. Tucker and J. A. Muller. 2,466,622, Apr. 5.
 Pump or motor, Hydraulic axial vane. W. R. Tucker and R. W. Dieterich. 2,466,623, Apr. 5.
 Pump or motor, Hydraulic pressure. B. Beaman, J. Hulman, and R. A. Stein. 2,459,786, Jan. 25.
 Pump or motor, Reciprocating. J. C. Naylor. 2,458,869, Jan. 11.
 Pump or motor, Reciprocating. J. C. Naylor and W. C. Holden. 2,463,638, Mar. 8.
 Pump or motor, Rotary abutment. C. G. Muller. 2,489,800, Nov. 29.
 Pump or motor, Sliding vane. M. E. Estey. 2,462,481, Feb. 22.
 Pump or prime mover, Alternating piston. J. Dommissie and E. R. Matheson. 2,491,607, Dec. 20.
 Pump or the like. A. O. Price. 2,471,653, May 31.
 Pump plunger. J. D. Cunningham. 2,462,257, Feb. 22.
 Pump—pressure loaded—with unloading relief valve. E. H. Schanzlin. 2,487,732, Nov. 8.
 Pump recirculating line erosion control device, Main feed. L. E. Hughes. 2,459,166, Jan. 18.
 Pump rotor, Vane. G. A. Waldie and J. A. Muller. 2,482,045, Sept. 13.
 Pump sealing means. R. H. Goddard. 2,465,526, Mar. 29.
 Pump stator, Rotary. J. P. Johnson. 2,470,987, May 24.
 Pump suitable for moving sludges and the like. R. K. Stocks. 2,466,618, Apr. 5.
 Pump system, Self-priming deep well. C. Jacuzzi and J. E. Armstrong. 2,486,288, Oct. 25.
 Pump unit, Motor. A. R. Pezzillo. 2,485,408, Oct. 18.
 Pump using deep well for a heat source, Heat. M. M. Smith and E. N. Kemler. 2,461,449, Feb. 8.
 Pump utilizing the heat of liquids in a plumbing system. J. R. Bayston. 2,484,371, Oct. 11.
 Pump with change-speed gearing and lubrication, Gear type air. W. W. Paget. 2,477,002, July 26.
 Pump with discharge pressure regulator, Rotary helical gear air. W. W. Paget. 2,477,003, July 26.
 Pump with easily removable rotor, Rotary. C. A. Namur. 2,462,214, Feb. 22.
 Pump with elastic rotor sealing rib, Rotary. J. Simer and E. E. Cook. 2,460,952, Feb. 8.
 Pump with flow cushioning means, Gear. G. W. Muller. 2,460,649, Feb. 1.
 Pump with intermittent discharge, Centrifugal. R. H. Goddard. 2,465,527, Mar. 29.
 Pump with pressure loaded stepped bushing. E. F. Wichorek. 2,472,031, May 31.
 Pump with sand trap and priming means, Motor. J. B. Wade. 2,463,841, Mar. 1.
 Pump with seizure preventing means, Rotary. R. W. Fernstrum. 2,467,524, Apr. 19.
 Pump with wear compensating means, Gear. A. Glrz and W. M. Horton. 2,477,797, Aug. 2.
 Pumping air in air balanced pumping units. E. W. Patterson and C. D. Spracher. 2,459,334, Jan. 18.
 Pumping apparatus. H. S. Coe. 2,478,568, Aug. 9.
 Pumping apparatus. R. C. Dustin. 2,463,364, Mar. 1.
 Pumping apparatus. J. Mann. 2,474,539, June 28.
 Pumping apparatus. T. L. Sherman. 2,479,876, Aug. 23.
 Pumping apparatus for deep wells. E. D. Rosa. 2,480,969, Sept. 6.
 Pumping device. W. Shallenberg. 2,468,642, Apr. 26.
 Pumping element, Fountain pen. L. F. Perwas. 2,489,976, Nov. 29.
 Pumping jack. F. H. Kued. 2,481,623, Sept. 13.
 Pumping liquid oxygen, Method of and apparatus for. C. R. Anderson. 2,480,093, Aug. 23.
 Pumping mechanism. D. P. Davis. 2,471,939, May 31.
 Pumping mechanism. J. W. McConaghy. 2,464,144, Mar. 8.
 Pumping mechanism, Fluid operated. V. O. Pounds. 2,490,323, Dec. 6.
 Pumping system and apparatus, Jet. W. J. Conery. 2,466,792, Apr. 12.
 Pumping system, Automatic pneumatic. W. D. Harper. 2,467,934, Apr. 19.
 Pumping system, Fluid. G. H. Garraway. 2,475,316, July 5.
 Pumping system, Liquid oxygen. W. A. Wildhack. 2,467,413, Apr. 19.
 Pumping unit lubrication, Pressure and vacuum. E. J. Osterhus. 2,487,826, Nov. 15.
 Punch. A. A. Rembold. 2,473,073, June 14.
 Punch apparatus. L. H. Semler. 2,481,883, Sept. 13.
 Punch, Automatic centering. J. A. G. Désy. 2,479,912, Aug. 23.
 Punchboard. J. E. Kimsey. 2,490,689, Dec. 6.
 Punch for fluting gun-barrel chambers. J. W. Lee. 2,464,323, Mar. 15.
 Punch for semisolid media. M. Dann. 2,463,455, Mar. 1.
 Punch machine. M. L. Grappe. 2,458,160, Jan. 4.
 Punch, Multihole. J. A. Carpenter. 2,474,344, June 28.
 Punch press. J. B. Winther. 2,471,505, May 31.
 Purging system for refrigeration systems. J. K. Zwickl. 2,464,631, Mar. 15.
 Purification of a fatty oil. J. L. Jakobsen. 2,465,969, Mar. 29.
 Purification of acetic anhydride with sodium nitrite. H. Rainalter and D. A. Ensor. 2,464,345, Mar. 15.
 Purification of alkylation mixtures. D. M. Warburton. 2,477,671, Aug. 2.
 Purification of ammonium beryllium fluoride. H. C. Kaweckl. 2,490,633, Dec. 6.
 Purification of carbonyl sulfide contaminated hydrocarbon gases. A. B. Johnson and J. T. Higgins. 2,484,381, Oct. 11.
 Purification of chloral containing underchlorinated constituents. H. C. Beachell and M. Sveda. 2,473,003, June 14.
 Purification of concentrated oil solutions of polyvalent metal sulfonates. G. W. Duncan and J. C. Zimmer. 2,480,638, Aug. 30.
 Purification of cyclic olefinic ketones. H. Pines and V. N. Ipatieff. 2,465,475, Mar. 29.
 Purification of hydrocarbon mixtures containing olefines and diolefines. S. A. Miller. 2,478,299, Aug. 9.
 Purification of hydrogen sulfide. S. P. Robinson. 2,479,781, Aug. 23.
 Purification of methanol by azeotropic distillation. J. F. McCants. 2,476,206, July 12.
 Purification of N'-substituted sulfanilamides. V. L. King and E. H. Bart. 2,484,791, Oct. 11.
 Purification of oleic acid. C. G. Goebel. 2,482,760, Sept. 27.
 Purification of penicillin. G. J. Pierotti, M. Souders, Jr., and F. A. French. 2,488,558, Nov. 22.
 Purification of polymerizable esters. A. W. Anderson and C. A. Sperati. 2,465,991, Apr. 5.
 Purification of recovered camphor. A. B. Richmond. 2,485,774, Oct. 25.
 Purification of red phosphorus. J. R. Tusson. 2,476,335, July 19.
 Purification of subtilin. K. P. Dimick, J. J. Stubbs, J. A. Garibaldi, H. D. Lightbody, and H. L. Fevold. 2,476,085, July 12.
 Purification of 2-aminothiazole. E. Kuh and W. B. Neler. 2,489,038, Nov. 22.
 Purification of water-soluble organic compounds. B. G. Carson. 2,475,350, July 5.
 Purification process, Gas. C. S. Oldach. 2,475,334, July 5.
 Purifier, Crude oil. G. M. Castellanos. 2,462,466, Feb. 22.
 Purifying and concentrating sesamin extracts. A. L. Omohundro, E. C. Fanto and I. Reich. 2,467,903, Apr. 19.
 Purifying device, Air. W. J. Buss. 2,460,335, Feb. 1.
 Purifying glutamic acid amides of pteroylglutamic acid. E. Kuh, and J. M. Smith, Jr. 2,474,184, June 21.
 Purifying manganese electrolytes. J. Koster. 2,483,287, Sept. 27.
 Purifying pteroylglutamic acid. C. W. Waller. 2,466,665, Apr. 5.
 Purifying sugar juice. H. O. Lindgren. 2,478,971, Aug. 16.
 Purifying system and method, Exhaust. J. M. Sills. 2,488,563, Nov. 22.
 Purifying wastes, Process and apparatus for. E. B. Mal-lory. 2,477,815, Aug. 2.

- Purse and billfold, Combination. W. H. St. Thomas. 2,483,444, Nov. 15.
- Purse, Belt. H. Pollak. 2,474,495, June 28.
- Purse, Garter. R. Howard. 2,481,594, Sept. 13.
- Purse, Handbag. H. G. Palma. 2,470,367, May 17.
- Purse, Multicompartment. B. Stember. 2,463,917, Mar. 8.
- Purse or pocket book, Lady's. M. A. Moore. 2,477,388, July 26.
- Purse, Sleevelet. T. D. Cimino. 2,459,992, Jan. 25.
- Push beam for implements, Universal. I. W. Terry. 2,485,334, Oct. 18.
- Push-button device, Lockable. T. F. Rosing. 2,484,424, Oct. 11.
- Push-button electric switch. E. F. Mekelburg. 2,488,982, Nov. 22.
- Push-button means. P. W. Sullivan. 2,460,607, Feb. 1.
- Push-button operated electric switch. J. P. Cornish. 2,475,696, July 12.
- Push-button switch. P. Hutt. 2,473,252, June 14.
- Pushcart. N. Orsini. 2,464,709, Mar. 15.
- Pushcart. E. S. White. 2,474,964, July 5.
- Push-on mechanism for sealing screw cap containers under vacuum. J. Bauman. 2,465,706, Mar. 29.
- Push-pull switch. D. W. Johnson. 2,489,185, Nov. 22.
- Push-pull system. M. Dshal and J. S. Le Grand. 2,462,849, Mar. 1.
- Push sledge. G. Anderson. 2,480,179, Aug. 30.
- Pusher. S. B. Martin. 2,479,074, Aug. 16.
- Pusher. S. B. Martin. 2,479,076, Aug. 16.
- Pusher attachment for any row crop tractor. H. W. Shepler. 2,478,948, Aug. 16.
- Pusher, Coal. E. Martin. 2,478,158, Aug. 2.
- Pusher for slicing machines, Food. P. H. Meyer. 2,482,787, Sept. 27.
- Pusher mechanism for matrix assemblers. B. S. Fine. 2,491,367, Dec. 13.
- Putter. J. P. Mazzioti. 2,463,291, Mar. 1.
- Putter. S. S. Parrish. 2,472,312, June 7.
- Putter head. S. N. Liolich. 2,491,383, Dec. 13.
- Putty composition, Pipe. I. Levinson. 2,466,450, Apr. 5.
- Putty comprising a liquid monomer and a finely divided solid insoluble polymer. J. L. Amos and E. D. Morris. 2,482,825, Sept. 27.
- Puzzle, Bent wire. A. J. Gore. 2,481,108, Sept. 6.
- Puzzle, Educational. A. L. Boyer. 2,480,902, Sept. 6.
- Puzzle pieces and playboard, Peg. J. M. Hirsch. 2,463,270, Mar. 1.
- Puzzle, Relatively movable member. A. Zelyin. 2,460,563, Feb. 1.
- Puzzle sticks. S. L. Beder. 2,492,396, Dec. 13.
- Puzzle, Three-dimensional. A. Harris. 2,473,369, June 14.
- Pyrazole-5-ones, Production of. J. D. Kendall and D. J. Fry. 2,459,226, Jan. 18.
- Pyrazolone azo dyes, Production of. J. D. Kendall and D. J. Fry. 2,457,823, Jan. 4.
- Pyrethrin concentrate, Preparation of. N. A. Sankowsky. 2,467,859, Apr. 19.
- Pyridine bases, Separation of. K. H. Slagle and R. S. Bowman. 2,459,191, Jan. 18.
- Pyridine carboxylic acids, Production of. W. O. Teeters. 2,476,004, July 12.
- Pyridine compound, Substituted. J. H. Mowat. 2,475,569, July 5.
- Pyridine compounds, Substituted. H. W. Coover and N. J. Bowman. 2,481,573, Sept. 13.
- Pyridine derivatives, derived from β -ionone. D. A. Van Dorp and J. F. Arens. 2,475,729, July 12.
- Pyridine quaternary salts. H. M. Wuest. 2,489,247, Nov. 22.
- Pyridocridines. J. Dobson, W. C. Hutchison, and W. O. Kermack. 2,477,048-9, July 26.
- Pyrimidine compounds. F. R. Basford, F. H. S. Curd, F. L. Rose, H. T. Openshaw, R. Hull, and A. R. Todd. 2,465,568, Mar. 29.
- Pyrimidino (4,5-b) pyrazines, Manufacture of. W. F. Bruce and W. J. McDermott. 2,476,809, July 19.
- Pyrimido-2'-cyanine dyes. L. G. S. Brooker, W. F. Holcomb, and C. K. Banks. 2,472,565, June 7.
- Pyrolysis of beta-oximino-tert-butyl pyridinium chloride. C. B. Wooster. 2,471,994, May 31.
- Pyrolytic conversion of hydrocarbons. H. L. Pelzer and K. M. Watson. 2,464,257, Mar. 15.
- Pyrolytic conversion of hydrocarbons. E. W. Shand. 2,464,266, Mar. 15.
- Pyrolyzing polyfluoroalkanes. F. B. Downing, A. F. Benning, and R. C. McHarness. 2,480,560, Aug. 30.
- Pyrometer device, Molten metal. H. R. Bristol. 2,490,617, Dec. 6.
- Pyrophoric alloy of zirconium, lead, and titanium, and sparking device containing the same. R. J. Anicetti. 2,490,571, Dec. 6.
- Pyrophoric alloys of lead and zirconium and sparking devices containing the same. R. J. Anicetti. 2,490,570, Dec. 6.
- Pyrotechnic marker, Heat-action explosive. R. L. Tuve. 2,469,421, May 10.
- Pyrrrole, Production of. R. B. Bishop and W. I. Denton. 2,478,452, Aug. 9.
- Pyrrrole with a biguanide, Stabilization of. A. V. Cabal and H. G. Oliver. 2,463,478, Mar. 1.
- Pyrylium dye salts as filter and antihalation dyes in photographic materials. T. R. Thompson. 2,461,484, Feb. 8.
- Q meter. G. V. Eltgroth. 2,475,179, July 5.
- Quadrature phase shifting circuit. L. A. Meacham. 2,468,302, Apr. 26.
- Quantitative deceleration indicator. E. P. Wunsch. 2,474,610, June 28.
- Quantity standard, Electric. T. A. Rich. 2,475,640, July 12.
- Quartz crystal assemblies, Manufacture of. P. K. Chatterjea and S. J. Powers. 2,492,357, Dec. 27.
- Quaternary ammonium compounds and making same. J. B. Rust. 2,474,202, June 21.
- Quaternary ammonium halides of benzhydryl ether derivatives. G. Rieveschl, Jr. 2,464,260, Mar. 15.
- Quaternary ammonium steroids and process. H. B. MacPhillamy and C. R. Scholz. 2,481,524, Sept. 13.
- Quaternary nitrogen compounds, Manufacture of. A. Buurman. 2,485,256, Oct. 18.
- Quaternary salts of carbamic acid esters of tertiary-hydroxybenzyl-amines. J. A. Aeschlimann and A. Stempel. 2,485,550, Oct. 25.
- Quaternary salts of polyvinyl pyridine and polyvinyl quinoline. R. H. Sprague and L. G. S. Brooker. 2,484,430, Oct. 11.
- Quaternizing pyridine compounds. F. Bergel, A. Cohen, J. W. Haworth, E. G. Hughes, and J. A. Silk. 2,475,689, July 12.
- Quenching machine. F. M. Timm and R. D. Gibney. 2,489,166, Nov. 22.
- Quenching oil and quenching metals. G. S. Mapes and L. H. Sudholz. 2,485,103, Oct. 18.
- Quick-action coupling. H. G. McIlroy. 2,470,256, May 17.
- Quick action switch. M. L. Jeffrey. 2,459,077, Jan. 11.
- Quick-change battery support. H. C. Riggs. 2,461,002, Feb. 8.
- Quick detachable coupling. C. A. Weise. 2,473,459, June 14.
- Quick disconnect. J. R. Sabbia. 2,482,292, Sept. 20.
- Quick disconnect coupling. P. P. Johnson. 2,458,910, Jan. 10.
- Quick dumping valve. J. H. Cantlin. 2,474,826, July 5.
- Quick find key holder. I. G. Povich. 2,465,605, Mar. 29.
- Quick-freezing of foodstuffs without precooling. H. A. Noyes. 2,481,484, Sept. 13.
- Quick make and break switch. R. N. Rowe. 2,479,266, Aug. 16.
- Quiet single-phase motor. C. B. Hathaway and R. F. Woll. 2,462,184, Feb. 22.
- Quilting machine. J. R. Johnson. 2,483,466, Oct. 4.
- Quilting machine. G. Schadt. 2,490,887, Dec. 13.
- Quinacrine, Making. G. L. Shaw and R. G. Jones. 2,459,777, Jan. 18.
- Quinazoline derivatives. F. H. S. Curd, J. K. Landquist, C. G. Raison, and F. L. Rose. 2,488,379, Nov. 15.
- Quinoline compounds and making same. J. H. Burckhalter, E. M. Jones, A. L. Rawlins, F. H. Tendick, and W. F. Holcomb. 2,474,818, July 5.
- Quinoline compounds and making same. J. H. Burckhalter, E. M. Jones, A. L. Rawlins, F. H. Tendick, and W. F. Holcomb. 2,474,820-23, July 5.
- Quinoline compounds and making same. J. H. Burckhalter, E. M. Jones, A. L. Rawlins, F. H. Tendick, and W. Holcomb. 2,474,931, July 5.
- Quinoline compounds having antimalarial properties. N. L. Drake and J. O. Van Hook. 2,492,467, Dec. 27.
- Quinoline derivative having antimalarial properties. J. B. Koepfli and E. R. Buchman. 2,492,487, Dec. 27.
- Quinoline salt for electrolysis, Stable. P. W. Stokesberry. 2,464,004, Mar. 8.
- Quinoneimine dyes from hydroxy-benzamidobenzaldehyde and hydroxybenzulfamido-benzaldehyde acetals of lower alkanols and 1,2- and 1,3-alkane-diols. E. L. Martin. 2,472,911, June 14.
- Quinone-resorcinol tanning agent and process. J. S. Kirk. 2,469,437-8, May 10.
- Quinones, Preparation of. W. M. Ziegler. 2,480,072, Aug. 23.
- Quiver. J. A. Schoenike. 2,464,101, Mar. 8.
- Quiz device, Combination. C. Lorber. 2,459,231, Jan. 18.
- Racemic α hydroxy β, β dimethyl α butyrolactone, Resolution of. F. D. Pickel, J. I. Fass, and S. Chodroff. 2,460,239-40, Jan. 25.
- Rack: See—
- | | |
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| Article supporting rack. | Floral rack. |
| Automobile clothes rack. | Foldable drying rack. |
| Bomb release rack. | Folding clothes rack. |
| Bottle rack. | Garbage can rack. |
| Bottle supporting rack. | Garment rack. |
| Bread cooling and proofing rack. | Laundry drying rack. |
| Car top boat rack. | Meat carving rack. |
| Clothes-drying rack. | Mounting rack. |
| Clothespin rack. | Necktie holder or rack. |
| Clothes rack. | Necktie rack. |
| Collapsible and adjustable rack. | Newspaper rack. |
| Collapsible dish draining clothes rack. | Pipe rack. |
| Collapsible tie rack. | Portable golf club rack. |
| Developing rack. | Portable necktie rack. |
| Display rack. | Portable silage rack. |
| Drying rack. | Pressing iron rack. |
| Extensible drying rack. | Proofing cabinet and pan rack. |
| Film rack. | Receptacle supporting rack. |
| | Sausage smoke rack. |

- Rack: See—Continued.
 Sheet aligning rack.
 Skirt and trouser rack.
 Sliding shoe rack.
 Stove rack.
 Supporting rack.
 Tie rack.
 Rack, L. Cinamon. 2,488,582, Nov. 22.
 Rack, F. P. Feerick. 2,491,652, Dec. 20.
 Rack, S. E. Gelb. 2,477,977, Aug. 2.
 Rack, C. T. Hatch. 2,484,996, Oct. 18.
 Rack, J. E. Holmes. 2,462,321, Feb. 22.
 Rack, J. W. Stevens. 2,477,271, July 26.
 Rack and edger, Knife, S. S. Otis. 2,459,391, Jan. 18.
 Rack and pawl actuated quick-acting clamp. C. L. Gilbert. 2,472,658, June 7.
 Rack and pinion gearing, Adjustable. J. H. Worthen. 2,484,770, Oct. 11.
 Rack assembly for refrigerators, ovens, and the like. D. H. Bitney. 2,466,360, Apr. 5.
 Rack device, Article. J. S. Connors. 2,463,748, Mar. 8.
 Rack for drums. A. B. Greenberg. 2,480,018, Aug. 23.
 Rack for household utensils. F. D. Starr. 2,462,051, Feb. 15.
 Rack for knives. J. C. Pavlack. 2,479,181, Aug. 16.
 Rack for neckties. J. Linenthal. 2,459,331, Jan. 18.
 Rack for phonograph records. L. McGuire. 2,484,719, Oct. 11.
 Rack for showcases, Revolving display. H. V. Seawright. 2,488,641, Nov. 22.
 Rack for spools, Folding. J. R. Taylor. 2,489,988, Nov. 29.
 Rack for supporting lasts during the manufacture of boots and shoes. A. Freeman. 2,466,406, Apr. 5.
 Rack for wieners, Roasting. J. H. Dawson. 2,479,324, Aug. 16.
 Rack structure. E. M. Gilmore, Jr. 2,469,298, May 3.
 Rack structure, Dish supporting. J. G. Idle. 2,469,966, May 10.
 Racking mechanism for knitting machines. E. J. Berger and H. K. West. 2,468,728, May 3.
 Radar indicator. H. W. Leverenz. 2,468,714, Apr. 26.
 Radar system, Doppler. W. W. Hansen. 2,479,568, Aug. 23.
 Radar system of superheterodyne, Frequency modulated. L. C.-L. Yuan. 2,475,176, July 5.
 Radar system, Pulse. D. E. Kenyon. 2,466,711, Apr. 12.
 Radial averager, Square root. G. Lory. 2,458,009, Jan. 4.
 Radial clearance gauge. K. E. Henrikson. 2,468,875, May 3.
 Radial engine. O. E. Irving. 2,477,061, July 26.
 Radial pump. J. F. Ekleberry. 2,466,215, Apr. 5.
 Radiant energy directional apparatus. R. H. Varian. 2,462,925, Mar. 1.
 Radiant heater. W. E. Cranston, Jr. 2,492,379, Dec. 27.
 Radiant incandescent gas burner. F. G. McGlaughlin. 2,464,333, Mar. 15.
 Radiation counter tube. F. E. Dudley. 2,489,627, Nov. 29.
 Radiation detecting apparatus. A. Ghiorso and C. M. Gordon. 2,490,298, Dec. 6.
 Radiation exposure meter. E. O. Wollan, L. A. Pardue, and N. Goldstein. 2,483,991, Oct. 4.
 Radiation filter. M. O. Bassett. 2,461,254, Feb. 8.
 Radiation measuring device. F. R. Shonka. 2,465,938, Mar. 29.
 Radiator. T. L. Arnold. 2,487,407, Nov. 8.
 Radiator. E. C. Stauffer. 2,467,410, Apr. 19.
 Radiator, Air circulating. R. G. Fisher. 2,475,088, July 5.
 Radiator clamp. G. C. Jones. 2,481,755, Sept. 13.
 Radiator construction. L. H. Plum. 2,482,595, Sept. 20.
 Radiator core. H. W. Case. 2,466,684, Apr. 12.
 Radiator cover. T. L. Arnold. 2,489,847, Nov. 29.
 Radiator cover. J. H. Kindt. 2,489,187, Nov. 22.
 Radiator, Electric. H. Capra. 2,476,133, July 12.
 Radiator, Electrically heated steam. H. J. Freyman. 2,480,809, Aug. 30.
 Radiator enclosure. T. V. Sawyer. 2,476,432, July 19.
 Radiator enclosure. H. J. Weber and D. F. Bennett. 2,487,287, Nov. 8.
 Radiator filter. C. E. Crowder. 2,488,806, Nov. 22.
 Radiator for railway cars, End heating. J. Van Vulpen. 2,467,350, Apr. 12.
 Radiator testing device. D. W. Wishon. 2,470,204, May 17.
 Radiators, Radio waves. H. Gutton. 2,477,694, Aug. 2.
 Radii former, Universal. M. F. Zukas. 2,467,070, Apr. 12.
 Radioactive metallic foil products. C. W. Wallhausen. H. H. Dooley, and C. C. Carroll. 2,476,644, July 19.
 Radioactivity measurement. R. E. Fearon. 2,469,460, May 10.
 Radio aid to air navigation. V. M. Brittain. 2,489,615, Nov. 29.
 Radio and television receiver, Multichannel. G. W. Fyler. 2,491,808, Dec. 20.
 Radio and visual warning device. W. S. Halstead. 2,475,578, July 5.
 Radio antenna. E. O. Willoughby. 2,480,172, Aug. 30.
 Radio antenna. V. M. Wintermute. 2,471,256, May 24.
 Radio antenna, Directive microwave. G. C. Southworth. 2,460,401, Feb. 1.
 Radio antenna, Illuminated. F. G. Wood. 2,473,981, June 21.
 Radio apparatus. A. C. Prichard. 2,464,258, Mar. 15.
 Radio apparatus and the like, Remotely tuned. F. L. Moseley. 2,492,392, Dec. 27.
 Radio beacon keying circuit. S. B. White. 2,463,583, Mar. 8.
 Radio beacon system. J. M. Henry. 2,472,158, June 7.
 Radio beacon system, Equisignal. W. J. O'Brien. 2,471,648, May 31.
 Radio circuits, Oscillator-amplifier. J. J. Antalek. 2,461,306, Feb. 8.
 Radio communicating system. E. M. Deloraine and D. D. Grieg. 2,471,416, May 31.
 Radio communication, Secret. R. H. Varian. 2,476,337, July 19.
 Radio communication system. P. K. Chatterjea and L. W. Houghton. 2,462,069, Feb. 22.
 Radio communication system. D. H. Hughes. 2,488,193, Nov. 15.
 Radio communication system. M. S. Wheeler. 2,467,793, Apr. 19.
 Radio communication system for a plurality of stations, Selective. F. B. Hitchcock. 2,469,555, May 10.
 Radio communication system, Secret. C. E. Atkins. 2,463,504, Mar. 8.
 Radio control apparatus, Automatic. W. B. Bruene. 2,467,422, Apr. 19.
 Radio control system. H. H. Abbott, H. M. Bascom, and F. B. Fairlamb. 2,469,539, May 10.
 Radio control system. G. G. Brown and G. J. Eannarino. 2,480,115, Aug. 30.
 Radio control system. E. S. Purington. 2,465,925, Mar. 29.
 Radio control system. E. S. Purington. 2,480,338, Aug. 30.
 Radio coupler and communication, Automobile. J. B. Clough. 2,481,978, Sept. 13.
 Radio craft guidance system. H. H. Thompson. 2,482,809, Sept. 27.
 Radio detection and location system indicating azimuth and elevation. W. A. Miller and E. R. Shenk. 2,470,939, May 24.
 Radio detection system. R. B. Hoffman. 2,490,808, Dec. 13.
 Radio direction and ranging system. J. P. Smith. 2,492,120, Dec. 20.
 Radio direction finder. R. H. Herrick. 2,462,188, Feb. 22.
 Radio direction finder. J. G. Speer. 2,490,660, Dec. 6.
 Radio direction finding equipment. M. L. Nelson. 2,468,269, Apr. 26.
 Radio direction finding method and apparatus. P. G. Hansel. 2,484,824, Oct. 18.
 Radio direction finding system. F. A. Kolster. 2,463,286, Mar. 1.
 Radio direction-finding system. L. N. Ridenour. 2,473,175, June 14.
 Radio direction indicator. C. A. Mizen. 2,478,300, Aug. 9.
 Radio distance and direction indicator. L. W. Alvarez. 2,480,208, Aug. 30.
 Radio echo equipment, Testing. F. C. Isely. 2,460,827, Feb. 8.
 Radioelectric finding and telemetering system. R. Hardy. 2,490,051, Dec. 6.
 Radio equipment for lifeboat service, Two-way. J. F. McDonald. 2,459,281, Jan. 18.
 Radio-frequency apparatus. E. L. Crandell. 2,458,684, Jan. 11.
 Radio-frequency apparatus. E. L. Crandell. 2,466,931, Apr. 12.
 Radio-frequency heating. G. H. Brown and R. A. Bierwirth. 2,478,857, Aug. 9.
 Radio-frequency heating apparatus. J. E. Joy. 2,465,102, Mar. 22.
 Radio-frequency in-phase indicator. N. Marchand. 2,474,268, June 28.
 Radio-frequency power measuring bridge, Compensated. W. H. Fenn, R. N. Griesheimer, and J. W. Keuffel. 2,463,480, Mar. 1.
 Radio-frequency rotating joint. D. W. Peterson. 2,465,922, Mar. 29.
 Radio frequency system for altitude or distance measurement. R. M. Smith. 2,492,012, Dec. 20.
 Radio-frequency testing circuit. C. E. Dennis. 2,472,096, June 7.
 Radiogoniometer. R. Hardy. 2,468,064, Apr. 26.
 Radiographs, Method of and apparatus for making. J. V. H. Neville. 2,488,138, Nov. 15.
 Radio identifying system. D. D. Grieg. 2,459,811, Jan. 25.
 Radio impulse receiver, Interference reducing. C. W. Earp. 2,471,418, May 31.
 Radiological measurements, Method and apparatus for. E. M. Brunner and E. S. Mardock. 2,476,810, July 19.
 Radio navigational system. H. P. Williams. 2,465,411, Mar. 29.
 Radio object location device. W. H. Newbold. 2,471,888, May 31.
 Radio obstacle detection apparatus. H. G. Busignies. 2,471,408, May 31.
 Radio operation, Thermoelectric. H. J. Findley. 2,480,405, Aug. 30.
 Radio position determining system. L. B. Hallman, Jr. 2,479,587, Aug. 23.
 Radio position indicator. R. A. Heising. 2,478,759, Aug. 9.

- Radio protective device. L. M. Hollingsworth and L. D. Smullin. 2,461,158, Feb. 8.
- Radio pulse echo system using Doppler effect. W. D. Herschberger. 2,467,670, Apr. 19.
- Radio pulse receiver, interference reducing. C. W. Hansell. 2,467,308, Apr. 12.
- Radio range system. H. Wilkie and F. L. Moseley. 2,471,470, May 31.
- Radio receiver. L. Couillard. 2,468,041, Apr. 26.
- Radio receiver. G. W. Fyler. 2,491,809, Dec. 20.
- Radio receiver, Directional. G. S. Burroughs. 2,477,577, Aug. 2.
- Radio receiver gain-control arrangement. B. F. Tyson. 2,460,202, Jan. 25.
- Radio receiver, interference reducing. R. B. Bullock. 2,468,030, Apr. 26.
- Radio receiver, Multiband fixed frequency calibration panoramic. M. Wallace and H. G. Miller. 2,465,500, Mar. 29.
- Radio receiver noise discriminating circuit. R. C. Moore. 2,466,959, Apr. 12.
- Radio receiver, Noise reducing. C. J. B. Rheams. 2,462,224, Feb. 22.
- Radio receiver, Portable. F. A. Zibelman. 2,487,013, Nov. 1.
- Radio receiver system, Directional. W. P. Lear. 2,469,970, May 10.
- Radio receiver tuning indicator, including a wide angle viewing lens. J. Bergmans, J. G. Kronouer, and M. Leeuwijn. 2,470,012, May 10.
- Radio receiving and indicating system. W. A. Miller. 2,488,022, Nov. 15.
- Radio receiving set. M. Hay. 2,471,569, May 31.
- Radio receiving system. J. D. Reid and C. E. Kilgour. 2,477,391, July 26.
- Radio receiving system, Diversity. C. P. Beanland. 2,459,259, Jan. 18.
- Radio reception. W. Lyons. 2,472,218, June 7.
- Radio remote-control system. J. M. Althouse and M. A. McAdams. 2,490,768, Dec. 13.
- Radio scanning apparatus. R. F. Hays, Jr. 2,472,824, June 14.
- Radio selector system for automobiles. L. J. P. Gilbert. 2,491,968, Dec. 20.
- Radio-shielded unit. G. L. Lang. 2,485,241, Oct. 18.
- Radiosonde system, Chronometric electronic. C. M. Hammel. 2,468,703, Apr. 26.
- Radio speed and distance indicator. C.-G. P. Aurell. 2,467,455, Apr. 19.
- Radio system. O. F. A. Arnold and D. A. Breister. 2,489,254, Nov. 29.
- Radio system, Directional. V. B. Bagnall. 2,466,354, Apr. 5.
- Radio system, Multiplex. F. A. Bartlett. 2,459,485, Jan. 18.
- Radiotelephone equipment. G. G. Bradley. 2,458,558, Jan. 11.
- Radio teletype system. F. J. Werthmann, G. F. Collar, and R. F. Blomquist. 2,464,837, Mar. 22.
- Radio time switch. D. A. Bruton. 2,484,152, Oct. 11.
- Radio transmitting system. W. H. Grosselfinger. 2,462,181, Feb. 22.
- Radio tubes and the like, Basing of. M. J. Orr. 2,470,518, May 17.
- Radio tuning mechanism, Automatic. S. H. Proffitt and J. A. Choules. 2,478,011, Aug. 2.
- Radio wave absorption device. J. W. Tiley. 2,464,006, Mar. 8.
- Radius and angle dresser, Grinding wheel. R. E. Dahl. 2,479,101, Aug. 16.
- Radius-angle former. I. Sneva. 2,463,126, Mar. 1.
- Radius forming device. J. G. Goulette. 2,470,097, May 17.
- Radius turning attachment. L. E. Obadiah. 2,465,393, Mar. 29.
- Raft or float, Life. J. L. Justice. 2,474,479, June 28.
- Rail anchor. R. S. Stephens. 2,480,975, Sept. 6.
- Rail fastener. J. Ferche. 2,474,352, June 28.
- Rail fastener. C. Phillips. 2,462,771, Feb. 22.
- Rail for keyboards, Adjustable balance. H. G. Pond. 2,467,495, Apr. 19.
- Rail for perambulators, Guard. S. Karson. 2,461,063, Feb. 8.
- Rail for Venetian blinds, Bottom. A. Semilof. 2,485,217, Oct. 18.
- Rail holding device, Railway. R. Sonnevill. 2,480,388, Aug. 30.
- Rail joint. L. Gagnon. 2,458,369, Jan. 4.
- Rail joint. W. Sjostrand. 2,483,942, Oct. 4.
- Rail lubricator. A. F. Huber and O. F. Magnus. 2,486,600, Nov. 1.
- Rail, Miniature railroad. E. J. Daughton. 2,462,073, Feb. 22.
- Rail plate, Safety. J. Dematteis. 2,463,955, Mar. 8.
- Railroad tie. M. G. Stackhouse. 2,466,283, Apr. 5.
- Rail supporting means for spinning machines. E. Kinsella. 2,480,249, Aug. 30.
- Railway brake beam mounting. E. G. Busse. 2,460,780, Feb. 1.
- Railway car brake. F. S. Schrage. 2,479,085, Aug. 16.
- Railway car spring. H. W. Frost, Jr. 2,466,094, Apr. 5.
- Railway car truck side frame. G. T. Johnson. 2,460,696, Feb. 1.
- Railway crosstie. J. Dell. 2,481,983, Sept. 13.
- Railway crossing. F. L. Condon. 2,473,941, June 21.
- Railway house car. A. J. Doyle. 2,468,185, Apr. 26.
- Railway journal box. H. N. Juel, J. A. Schroeder, and F. B. Lewis. 2,481,120, Sept. 6.
- Railway passenger car. W. Fall. 2,484,786, Oct. 11.
- Railway rail joint. G. A. Standfast. 2,472,446, June 7.
- Railway sleeping car. B. E. Jones. 2,478,402, Aug. 9.
- Railway sleeping car. G. K. Murphy. 2,462,027, Feb. 15.
- Railway Superspeed elevated. W. C. Cox. 2,469,432, May 10.
- Railway switch. H. R. Smith. 2,471,357, May 24.
- Railway switch point support. H. L. Bone. 2,472,364, June 7.
- Railway truck journal box mounting. D. S. Barrows and E. H. Blattner. 2,460,211, Jan. 25.
- Rails, Fixing railway. R. Heyerdahl-Larsen and E. Backe-Hansen. 2,490,962, Dec. 13.
- Rain chap. F. I. Hamman and L. Lint. 2,483,136, Sept. 27.
- Raincoat. B. Robbins. 2,487,983, Nov. 15.
- Rain water conductor bracket. H. H. Histan. 2,478,100, Aug. 2.
- Rake. E. A. Canalizo. 2,488,802, Nov. 22.
- Rake. C. J. Rocquin. 2,472,342, June 7.
- Rake. F. D. Rugg. 2,490,710, Dec. 6.
- Rake, Adjustable hand. E. D. Paul. 2,481,442, Sept. 6.
- Rake and stacker, Combination sweep. T. H. and H. N. Young and J. B. Rambo. 2,462,152, Feb. 22.
- Rake and stacker, Sweep. C. J. Davis, L. R. Westholt, and J. I. Michaels. 2,466,878, Apr. 12.
- Rake attachment. A. T. Carter. 2,488,659, Nov. 22.
- Rake, Center delivery. F. O. Godley. 2,481,995, Sept. 3.
- Rake cleaner. G. D. Pringle. 2,470,863, May 24.
- Rake cleaner. N. H. Richards. 2,471,239, May 24.
- Rake, Drag. H. F. McCleskey. 2,475,908, July 12.
- Rake, Garden. E. Witt. 2,463,133, Mar. 1.
- Rake, Garden cultivating hand. C. T. and L. H. Storm. 2,479,877, Aug. 23.
- Rake, Lawn. W. R. Key. 2,463,393, Mar. 1.
- Rake, Root. T. W. Peacock and G. W. Peacock, Sr. 2,491,058, Dec. 13.
- Rake, Side delivery. R. C. Ferguson. 2,476,183, July 12.
- Rake, Side delivery. M. A. Morrill. 2,472,260, June 7.
- Rake, Side delivery. E. L. Rietz. 2,491,211, Dec. 13.
- Rake structure. R. R. Kyker. 2,478,282, Aug. 9.
- Rake teeth and mounting therefor. K. A. E. Luomala. 2,479,753, Aug. 23.
- Rake, Tractor drawn hay. C. J. Meyer. 2,472,953, June 14.
- Rake with removable tine. A. M. Peeples. 2,468,376, Apr. 26.
- Ram. S. Mandl. 2,475,040, July 5.
- Ramp, Loading. C. O. Christensen. 2,461,678, Feb. 15.
- Ramp, Portable and foldable vehicle lifting. L. A. Larson. 2,471,756, May 31.
- Range attachment for multitestors. D. F. Kleinschmidt. 2,468,449, Apr. 26.
- Range, Combined oil and gas. R. M. Sherman. 2,476,067, July 12.
- Range connector. A. Friedman. 2,460,741, Feb. 1.
- Range, Cooking. C. Belsky. 2,467,290, Apr. 12.
- Range, Electric. K. R. Kuenne. 2,481,227, Sept. 6.
- Range finder for cameras interconnected to camera lens, Split field. D. L. Wood. 2,464,166, Mar. 8.
- Range finder having a transparent reflector and two mirrors making small but different fixed angles with the reflector, Stadia type. W. L. Whitson. 2,486,453, Nov. 1.
- Range finder having uniformly calibrated scale, Reflected. W. Castedello. 2,484,072, Oct. 11.
- Range finder light deviating means. O. Wittel. 2,476,013, July 12.
- Range finder, Orthopseudo. O. Wittel. 2,478,442, Aug. 9.
- Range, Gas. H. M. Reeves. 2,483,562, Oct. 4.
- Range, Golf practice. A. J. Hendry. 2,490,961, Dec. 13.
- Range, Gun test. R. M. Ferguson. 2,459,156, Jan. 18.
- Range indicator for multitrangle recorders. A. E. Anderson. 2,489,997, Nov. 25.
- Range, Kitchen. W. E. Cranston, Jr. 2,487,855, Nov. 15.
- Range, Kitchen. O. Ollert. 2,460,263, Jan. 25.
- Range oil burner apparatus. J. S. Routen. 2,483,740, Oct. 4.
- Range top unit, Gas. W. Bauer. 2,466,979, Apr. 12.
- Ranging system. F. H. Slaymaker, and W. F. Meeker. 2,474,918, July 5.
- Rasp, Tire. P. C. Neilsen. 2,489,803, Nov. 29.
- Rat and animal trap. J. W. H. Bales. 2,475,871, July 12.
- Rat and mouse trap. O. R. Siems. 2,485,416, Oct. 18.
- Rat or mouse trap. E. H. Elleby. 2,462,479, Feb. 22.
- Rat or rodent poison holder. J. Feussner. 2,480,724, Aug. 30.
- Rat shield trap. H. C. Carver. 2,488,466, Nov. 15.
- Ratchet and pawl mechanism for hand brakes. G. E. Dath. 2,462,167, Feb. 22.
- Ratchet and pawl mechanism for hand brakes. S. B. Haseltine. 2,462,183, Feb. 22.
- Ratchet end for brace bits. A. L. Stowell. 2,485,991, Oct. 25.
- Ratchet means. M. A. Napier. 2,474,402, June 28.
- Ratchet mechanism. W. B. Claus. 2,474,656, June 28.
- Ratchet mechanism for timepieces. A. B. Poole. 2,482,435, Sept. 20.
- Ratchet mechanism, Reversible. C. W. Lofgren. 2,486,043, Oct. 25.

- Ratchet-operating means. W. A. Tratsch. 2,459,008, Jan. 11.
- Ratchet wedge, Toolhead handle. R. B. Breter. 2,463,142, Mar. 1.
- Ratchet wrench. W. E. Van Hoose. 2,463,220-1, Mar. 1.
- Ratchet wrench with quickly detachable handle, Pivoted pawl. H. F. Barlow. 2,486,700, Nov. 1.
- Rate control device. L. G. Miller and E. W. Stacey. 2,487,256, Nov. 8.
- Rate smoothing and matching mechanism for computing apparatus. C. C. Bell and R. M. Elliott. 2,487,211, Nov. 8.
- Ratio control apparatus. P. Glass. 2,491,725, Dec. 20.
- Ratio control device. R. A. Ackley. 2,470,452, May 17.
- Ratio demonstrator for planetary gearing. M. W. Cullen. 2,490,783, Dec. 13.
- Ratiometer. C. A. de Giers and A. Edelman. 2,463,681, Mar. 8.
- Ratiometer. L. Dubin and E. Pataki. 2,485,577, Oct. 25.
- Ratio planetary transmission, Variable. W. F. Berck. 2,465,190, Mar. 22.
- Rattle, Baby. C. A. Flynn, Jr. 2,484,159, Oct. 11.
- Rattle for babies' cribs, Illuminated. O. Galter. 2,470,612, May 17.
- Rattling device, Marraccas. G. A. Boykins. 2,475,542, July 5.
- Raw cotton for conversion into rayon. P. H. Schlosser and K. R. Gray. 2,481,693, Sept. 13.
- Ray-emission apparatus. G. G. Ellner. 2,469,872, May 10.
- Rayon filaments from viscose, Producing. P. H. Schlosser and R. L. Mitchell. 2,491,937, Dec. 20.
- Rayon filaments, Making. R. E. Dosne and F. R. Charles. 2,479,218, Aug. 16.
- Rayon packages, Processing of. J. W. Jacokes. 2,488,667, Nov. 22.
- Rayon, Production of variable denier. G. A. M. Heim. 2,468,666, Apr. 26.
- Rayon, Winding. J. F. Keith. 2,466,852, Apr. 12.
- Razor. G. D. Jones. 2,492,293, Dec. 27.
- Razor. C. F. Pross. 2,465,924, Mar. 29.
- Razor. J. Simon and R. S. Temko. 2,492,328, Dec. 27.
- Razor. R. H. Smith. 2,469,010, May 3.
- Razor. O. B. Stokes. 2,479,788, Aug. 23.
- Razor and blade magazine therefor, Safety. E. A. Nelson. 2,461,914, Feb. 15.
- Razor blade holder. J. L. Carroll. 2,492,681, Dec. 27.
- Razor blade holder. H. M. Lightburn. 2,464,408, Mar. 15.
- Razor blade holder. F. O. Rebeaud. 2,479,639, Aug. 23.
- Razor blade holder. F. B. and N. D. Shepard. 2,478,668, Aug. 9.
- Razor combined with blade conditioning means, Safety. G. Thornfield. 2,470,588, May 17.
- Razor, Electromechanical safety. M. Berger. 2,474,027, June 21.
- Razor, Expendable. J. H. Harris. 2,471,620, May 31.
- Razor, Magazine type. G. D. Jones and L. C. Miller. 2,492,292, Dec. 27.
- Razor, Multibladed. G. S. McCune. 2,487,886, Nov. 15.
- Razor, Safety. H. B. Carter. 2,482,152, Sept. 20.
- Razor, Safety. J. W. Clark. 2,472,807, June 14.
- Razor, Safety. J. T. Hellmann. 2,464,083, Mar. 8.
- Razor, Safety. N. Testi. 2,463,442, Mar. 1.
- Razor with double reciprocating blades, Safety. H. O. Mathie. 2,485,056, Oct. 18.
- Reactance line, Adjustable. I. Karmin. 2,483,419, Oct. 4.
- Reactance tube circuit. J. L. Delvaux. 2,469,194, May 3.
- Reacting a nitro-hydroxyanthraquinone with a primary amine and a product thereof. G. W. Seymour and V. S. Salvin. 2,480,269, Aug. 30.
- Reacting a piperylene with a halo substituted maleic anhydride. A. M. Clifford and C. E. Gleim. 2,461,679, Feb. 15.
- Reacting formaldehyde, hydrogen chloride, and acetylene, and products produced thereby. J. F. Walker. 2,463,227, Mar. 1.
- Reaction apparatus, Catalytic. L. W. T. Cummings. 2,475,822, July 12.
- Reaction combustion chamber for unconfined charges of detonative fuel fed intermittently to the combustion chamber. R. H. Goddard. 2,465,525, Mar. 29.
- Reaction jet torque compensation for helicopters. S. Hiller, Jr. 2,481,749, Sept. 13.
- Reaction of an acetylene with HF to produce vinyl fluoride and/or difluoroethane and homologues thereof. J. C. Hillyer and J. F. Wilson. 2,471,525, May 31.
- Reaction of bicyclo-olefins with alkyl halides. L. Schmerling. 2,487,986, Nov. 15.
- Reaction of enol esters with anhydrides. B. Phillips, Jr. 2,466,738, Apr. 12.
- Reaction of organic substances with phosphorous sesquioxide. E. W. Brennan and N. D. Williams. 2,483,571, Oct. 4.
- Reaction of podocarpic acid and certain halo-alkanoic acids and products thereof. G. M. Picha. 2,478,978, Aug. 16.
- Reaction product of a polyhydroxyl alcohol with a trivalent metal sulfate. M. Landau. 2,466,445, Apr. 5.
- Reaction product of a polymethylol melamine and an aromatic amine. H. J. West. 2,476,127, July 12.
- Reaction product of naphthylamine and aldonic acids. A. E. Chester and F. F. Reisinger. 2,485,564, Oct. 25.
- Reaction product of polysulfide with chlorinated petroleum wax, Rubberlike. R. V. White and H. L. Coonradt. 2,476,168, July 12.
- Reaction product of styrene oxide. C. A. Thomas and C. A. Hochwalt. 2,476,252, July 12.
- Reaction product of sulfonated copper phthalocyanine with an alkanolamine. J. Paige. 2,490,704, Dec. 6.
- Reaction products of a polyhydric alcohol and a triazine derivative and preparing the same. F. C. Schaefer. 2,481,156, Sept. 6.
- Reaction products of an aldehyde with allyl ether of anacardic material. M. T. Harvey. 2,460,256, Jan. 25.
- Reaction products of chrysoidine with basic dyes. R. C. Locke. 2,492,163, Dec. 27.
- Reaction products of organosilicon compounds and esters of hydroxy acids and their production. F. J. Sowa. 2,486,993, Nov. 1.
- Reaction products of p-aminobenzenesulfonamides and vasoconstrictor amines. W. F. Hamilton, M. F. George, Jr., and E. Simon. 2,478,191, Aug. 9.
- Reaction products of polyfluoroethylenes and terminally unsaturated compounds. P. L. Barrick. 2,462,347, Feb. 22.
- Reaction products of thiuram disulfides alkylene imines. J. E. Jansen. 2,460,581, Feb. 1.
- Reaction products of 3-hexenedinitrile and certain aldehydes. C. M. Langkammerer. 2,462,407, Feb. 22.
- Reaction products, Resinous. H. L. Allen and E. G. Kerr. 2,460,724, Feb. 1.
- Reaction propelled device for operation through water. F. Zwicky. 2,461,797, Feb. 15.
- Reactivating a copper catalyst by treating with sodium chloride solution. W. W. Riches. 2,482,289, Sept. 20.
- Reactivating a poisoned silver surface catalyst. T. J. and J. P. West. 2,479,883, Aug. 23.
- Reactivating a poisoned silver surface catalyst. T. J. and J. P. West. 2,479,884, Aug. 23.
- Reactivating a silica-alumina cracking catalyst. E. A. Bodkin and J. M. Johnson. 2,480,627, Aug. 30.
- Reactivation of catalysts in hydrocarbon synthesis. E. L. d'Ouville. 2,478,899, Aug. 16.
- Reactivation of overheated silver surface catalysts. T. J. West. 2,479,885, Aug. 23.
- Reactive derivatives of the halogenation products of the mono hetero atomic five membered rings, Partially dehalogenated. E. E. Novotny and G. K. Vogelsang. 2,475,801, July 12.
- Reactor. P. H. E. Claesson. 2,471,411, May 31.
- Reactor. R. A. Geiselman. 2,488,393, Nov. 15.
- Reactor, Catalytic. R. L. Purvin. 2,478,707, Aug. 9.
- Reactor for close temperature control. L. C. Huff. 2,475,025, July 5.
- Reactor for thermal conversion of hydrocarbons. A. H. Schutte. 2,482,138, Sept. 20.
- Reactor, Variable. O. H. Schmitt. 2,471,705, May 31.
- Reader and projecting apparatus, Microfilm. N. S. Stern. 2,473,736, June 21.
- Reading device having a moving script sheet and angularly adjustable index, Timed. C. M. Holland. 2,487,242, Nov. 8.
- Reading lamp. E. Herst. 2,488,666, Nov. 22.
- Reading stand. W. H. Curtis. 2,459,873, Jan. 25.
- Reading stand. R. Ketchem. 2,464,690, Mar. 15.
- Readjusting the current supplying and supporting metal rods of continuous self-baking electrodes. R. Jouannet. 2,475,452, July 5.
- Real estate charts, Making. J. M. Keel. 2,484,412, Oct. 11.
- Reamer. H. Aled. 2,490,397, Dec. 6.
- Reamer. P. F. Danielson. 2,487,638, Nov. 8.
- Reamer. L. P. Schade. 2,479,136, Aug. 16.
- Reamer, Cylinder ridge. H. A. Berkman. 2,461,490, Feb. 8.
- Reamer, Expandable. H. G. Volis. 2,472,554, June 7.
- Reamer, Expansion. W. Auer and P. E. John. 2,476,019, July 12.
- Reamer for cylinders, Ridge. H. P. Phillips. 2,466,473, Apr. 5.
- Reamer for earth drilling. C. W. Kandle. 2,480,372, Aug. 30.
- Reamer, Valve seat. W. H. Milbrath and C. Hald. 2,490,977, Dec. 13.
- Rear-projection screen. E. W. Kellogg. 2,480,031, Aug. 23.
- Rearview device having three connected movable mirrors. E. Lumsden. 2,467,266, Apr. 12.
- Rearview mirror adjustable by rotation about a median axis. F. J. Aves. 2,473,698, June 21.
- Rearview mirror support. W. P. Tolbert. 2,458,117, Jan. 4.
- Rearrangement and alcoholysis of nitrosyl chloride-isobutylene adduct. A. J. Martin. 2,484,633, Oct. 11.
- Reattachable gasoline hose coupling. W. Brubaker. 2,467,520, Apr. 19.
- Reboring machine, Cylinder. C. W. Yount. 2,486,813, Nov. 1.
- Rebreather valve. R. R. Miller and W. H. Schechter. 2,486,427, Nov. 1.
- Recalibrating motor control apparatus, Automatic. R. J. Ebret. 2,483,364, Sept. 27.
- Recapping apparatus, Tire. J. W. Napier. 2,475,579, July 5.
- Receiver apparatus, Radio. J. A. van Lammeren. 2,486,230, Oct. 25.
- Receiver, Ash. C. Hendricks. 2,462,397, Feb. 22.

- Receiver, Ash. P. W. Rushforth. 2,474,371, June 28.
 Receiver cabinet and cathode-ray tube mounting, Television. V. A. Kamin, L. J. Mattingly, and R. R. Wingert. 2,458,368, Jan. 4.
 Receiver, Cathode-ray ultra high frequency. A. R. Knight. 2,458,517, Jan. 11.
 Receiver comprising automatic frequency control, Superheterodyne. F. A. de Groot. 2,483,314, Sept. 27.
 Receiver connection in electroacoustic duplex system. O. Tschumi. 2,461,945, Feb. 15.
 Receiver construction, Radio. F. D. Schnoor and C. N. Hardy. 2,487,601, Nov. 8.
 Receiver, Direction-responsive. E. Martini. 2,485,619, Oct. 25.
 Receiver employing cathode-ray tube demodulators, Pulse code modulation. G. Hecht. 2,489,883, Nov. 29.
 Receiver for electrical pulses. M. M. Levy. 2,476,985, July 26.
 Receiver for frequency modulated signals, Signal seeking. M. G. Nicholson, Jr. 2,478,977, Aug. 16.
 Receiver for frequency-modulated waves. E. H. Plump. 2,491,331, Dec. 13.
 Receiver, Frequency modulated - amplitude modulated. W. R. Koch. 2,472,301, June 7.
 Receiver, Frequency modulation. W. F. Sands. 2,488,606, Nov. 22.
 Receiver input, Beam tube. J. R. Moore. 2,480,872, Sept. 6.
 Receiver input circuit. H. Blok. 2,470,882, May 24.
 Receiver, Interference reducing radio. D. E. Noble. 2,459,675, Jan. 18.
 Receiver, Portable. R. S. Johnson. 2,467,314, Apr. 12.
 Receiver protection circuit. R. F. Schmid. 2,482,128, Sept. 20.
 Receiver, Pulse type telegraph. W. H. Bliss. 2,457,974, Jan. 4.
 Receiver, Radiant energy. G. V. Rylsky. 2,482,440, Sept. 20.
 Receiver, Radio. F. M. Hills. 2,492,698, Dec. 27.
 Receiver, Remotely controlled. - G. H. Isay. 2,483,053, Sept. 27.
 Receiver, Superheterodyne. F. A. de Groot. 2,483,315, Sept. 27.
 Receiver, Superregenerative. B. D. Loughlin. 2,481,852, Sept. 13.
 Receiver system. G. W. Bryan, Jr. 2,490,025, Dec. 6.
 Receiver system. A. Frum. 2,485,582, Oct. 25.
 Receiver system, Superregenerative. L. F. Jaggi. 2,481,517, Sept. 13.
 Receiver, Television. G. W. Fyler. 2,458,365, Jan. 4.
 Receiver, Television. F. R. Norton. 2,470,048, May 10.
 Receiver unit mounted in a suitcase, Radio. A. N. Olson. 2,486,536, Nov. 1.
 Receiver, Vibrating reactance panoramic radio. M. Wallace and H. G. Miller. 2,474,387, June 28.
 Receiver, Wide-band superheterodyne. W. H. Newbold. 2,460,900, Feb. 8.
 Receiver with automatic frequency control, Telegraphy. M. G. Crosby. 2,462,470, Feb. 22.
 Receiver with pulse narrowing systems, Panoramic. J. I. Heller. 2,472,531, June 7.
 Receiver with quarter-wave line discriminator sweep circuit, Panoramic. J. F. Byrne and F. J. Kamphoefner. 2,479,208, Aug. 16.
 Receiver with regenerative feedback, Pulse echo. S. M. Tucker. 2,487,995, Nov. 15.
 Receiving system for code signals. B. S. Vilkomerson. 2,479,652, Aug. 23.
 Receiving system for frequency or pulse modulated electromagnetic waves. C. W. Earp. 2,476,964, July 26.
 Receiving system for phase-keyed pulse signals. G. Guanella. 2,491,810, Dec. 20.
 Receiving system having inductively coupled butterfly type circuits, High-frequency. P. J. Holmes. 2,485,884, Oct. 25.
 Receiving system, Radio. D. A. Bell. 2,489,948, Nov. 29.
 Receiving system, Wave. H. J. Fisher. 2,484,618, Oct. 11.
 Receptacle: *See*—
 Ash receptacle.
 Bait receptacle.
 Cable end receptacle.
 Chewed gum receptacle.
 Collapsible receptacle.
 Combination toothbrush and dentifrice receptacle.
 Continuous electrical receptacle.
 Cosmetic receptacle.
 Disposal receptacle.
 Drain cock receptacle.
 Electric light receptacle.
 Electric wall receptacle.
 Fastener spring receptacle.
 Filling receptacle.
 Fire resistant receptacle.
 Flexible pocket receptacle.
 Interchangeable plant and flower receptacle.
 Pocket and purse ash receptacle.
 Power outlet receptacle.
 Straddle truck load receptacle.
 Triple plug receptacle.
 Receptacle. M. L. Lockhart. 2,467,678, Apr. 19.
 Receptacle. R. Van Rosen. 2,476,253, July 12.
 Receptacle. J. V. Wuestman. 2,484,773, Oct. 11.
 Receptacle and closure therefor. H. J. Moon. 2,466,819, Apr. 12.
 Receptacle closure. H. W. Sanford. 2,465,662, Mar. 29.
 Receptacle closure. A. N. Spanel. 2,461,703, Feb. 15.
 Receptacle closure lock. W. L. Vinson. 2,472,321, June 7.
 Receptacle closure means. A. W. Konchan. 2,467,088, Apr. 12.
 Receptacle cover operator and lock. C. H. Carlson. 2,464,670, Mar. 15.
 Receptacle cover pry-off tool. J. C. Tippet. 2,458,806, Jan. 11.
 Receptacle filling machine. H. D. Schlechter. 2,467,995, Apr. 19.
 Receptacle for cotton rolls. C. J. D'Andrea. 2,487,107, Nov. 8.
 Receptacle for dispensing paper sheets. W. J. Braley. 2,475,657, July 12.
 Receptacle for holding inflammable liquids. E. J. Domagall. 2,474,934, July 5.
 Receptacle for lamps, Electromagnetic. B. W. Blanchard, Jr. 2,458,138, Jan. 4.
 Receptacle holder. R. R. Rundell. 2,474,167, June 21.
 Receptacle partition, Paperboard or the like. H. H. Goldstein. 2,489,528, Nov. 29.
 Receptacle support. L. S. Steinbacher. 2,470,271, May 17.
 Receptacle supporting rack. H. W. Custer. 2,461,374, Feb. 8.
 Receptacles with self-closing mouth. E. Anderson. 2,483,169, Sept. 27.
 Receptor, Colostomy. R. W. Smoot. 2,458,808, Jan. 4.
 Receptor, Shower bath. B. F. Birdwell and C. T. Gordon. 2,467,074, Apr. 12.
 Recessing the sink head of ingots and the like. M. S. Papazian. 2,485,065, Oct. 18.
 Reciprocable valve. M. Morgan. 2,485,504, Oct. 18.
 Reciprocating and locking means for dies or the like. C. Roehri. 2,460,658, Feb. 1.
 Reciprocating cylinder engine. W. H. Cook. 2,482,967, Sept. 27.
 Reciprocating cylinder internal-combustion engine. L. L. Zoch, Jr. 2,458,672, Jan. 11.
 Reciprocating electromagnetic motor. H. L. McHenry. 2,472,334, June 7.
 Reciprocating electromagnetic motor. L. C. Parker, H. L. McHenry, and J. W. Dickey. 2,481,147, Sept. 6.
 Reciprocating engine. J. H. Trahin. 2,487,003, Nov. 1.
 Reciprocating machine. A. G. Maldon-Mitchell. 2,491,011, Dec. 13.
 Reciprocating mechanism. E. S. Hall. 2,464,228, Mar. 15.
 Reciprocating piston engine, Revolver-type. J. Wijsman. 2,475,770, July 12.
 Reciprocating pump. N. E. Brigham. 2,471,860, May 31.
 Reciprocating pump and valve, Valved piston. G. Frank. 2,475,739, July 12.
 Reciprocating tool. R. F. Jackson. 2,459,942, Jan. 25.
 Reciprocating tool. L. M. Larsen. 2,474,056, June 21.
 Reciprocating valve. J. D. Buchanan. 2,490,944, Dec. 13.
 Reciprocating vane pump. R. G. Holt. 2,485,491, Oct. 18.
 Reciprocating vane rotary pump. J. P. Johnson. 2,492,868, Dec. 27.
 Reciprocatory electromagnetic motor. L. C. Parker. 2,468,343, Apr. 26.
 Recirculating system for gas fired ovens. S. Altamore. Re. 23,141, Aug. 16.
 Reclaiming a contaminated iron catalyst. M. A. Segura and D. R. McAdams. 2,483,850, Oct. 4.
 Reclaiming elastomers. J. H. Kelly, Jr. 2,477,809, Aug. 2.
 Reclaiming scrap of natural rubber mixed with Buna-S. R. L. Randall. 2,471,496, May 31.
 Reclaiming the hydrocarbon content of used hydrocarbon lubricants. F. C. Bersworth. 2,474,411, June 28.
 Reclamation of selenium rectifier cells. D. W. Rau. 2,471,898, May 31.
 Reclamation of waste oil base drilling fluid. R. D. Dawson. 2,476,846, July 19.
 Reclining chair. R. H. Ellsworth. 2,459,269, Jan. 18.
 Reclining chair. J. Krakora. 2,485,387, Oct. 18.
 Reclining chair. W. McArthur. 2,479,175, Aug. 16.
 Reclining chair. H. Niederhauser. 2,470,364, May 17.
 Reclining chair. K. E. Rau. 2,490,884, Dec. 13.
 Recoil mechanism. Gun. S. G. Green. W. H. D'Ardenne, W. J. Meinel, and W. Devore. 2,475,090, July 5.
 Recoil-reducing and shot-pattern-controlling device for shotguns. D. T. Ennis. 2,466,400, Apr. 5.
 Reconditioning backing members having powdered material facings. F. De Marinis. 2,483,996, Oct. 4.
 Reconditioning machine, Bowling pin. H. A. Schubert. 2,490,480, Dec. 6.
 Record card. R. E. Paris. 2,484,642, Oct. 11.
 Record card sensing device. F. J. Furman. 2,490,346, Dec. 6.
 Record card sensing device. R. B. Johnson. 2,478,275, Aug. 9.
 Record changer. M. A. Walker. 2,489,941, Nov. 29.
 Record changer, Automatic. L. Thévenaz. 2,490,387, Dec. 6.
 Record changer, Phonograph. E. G. Henry. 2,476,865, July 19.
 Record changing device. S. G. Falk. 2,476,715, July 19.
 Record dies, Manufacturing. E. E. and M. I. Russell. 2,458,427, Jan. 4.
 Record feeding machine. A. H. Dickinson. 2,464,561, Mar. 15.
 Record handling and copying apparatus. A. E. Schubert and H. P. Hintz. 2,461,185, Feb. 8.
 Record holder. W. B. Blodgett. 2,489,476, Nov. 29.
 Record perforation analyzing means. R. E. Page, H. S. Beattie and G. F. Daly. 2,484,114, Oct. 11.
 Record player with inclined turntable. S. F. Louchheim. 2,489,146, Nov. 22.
 Record sensing device, Perforated. R. B. Johnson. 2,490,360, Dec. 6.

- Record strip, Spiral sound. R. G. Leitner. 2,478,539, Aug. 9.
- Record system, Card. C. E. Burns. 2,483,035, Sept. 27.
- Record wallet, Full view. F. E. Bradley. 2,487,302, Nov. 8.
- Record wire, Nontwisting paramagnetic. M. Camras. 2,475,694, July 12.
- Recorder actuated by electrically heated wires. E. H. Branson. 2,480,443, Aug. 30.
- Recorder and mechanical movement. F. J. Kent and F. V. Wilkins. 2,463,882, Mar. 8.
- Recorder and reproducer, Combined. S. A. Scherbatskoy. 2,477,144, July 26.
- Recorder, Automatic. F. L. Moseley. 2,464,708, Mar. 15.
- Recorder, Card holder actuated time. P. Vannini. 2,470,961, May 24.
- Recorder, Error. A. A. Wolf. 2,488,574, Nov. 22.
- Recorder, Facsimile. W. H. Tribble. 2,485,678, Oct. 25.
- Recorder head, Magnetic. M. Camras. 2,479,308, Aug. 16.
- Recorder, High-speed telegraphy signal. C. W. Hansell. 2,474,049, June 21.
- Recorder-indicating instrument, Magnetically coupled. E. M. Smith, and D. P. Berg. 2,475,573, July 5.
- Recorder method and means, Magnetic. H. A. Howell. 2,484,568, Oct. 11.
- Recorder, Sound. G. P. Brubaker. 2,463,513, Mar. 8.
- Recorder, Sound. S. Calvert. 2,460,411, Feb. 1.
- Recorder, Stationary chart. A. H. Canada. 2,467,808, Apr. 19.
- Recorder unit, Magnetic. W. P. Lear. 2,485,451, Oct. 18.
- Recorder utilizing varying cathode currents, Magnetic sound. S. I. Weiss. 2,485,539, Oct. 18.
- Recorder, Well logging null. R. F. Davis. 2,488,491, Nov. 15.
- Recorder, Wire. C. B. Dale. 2,481,004, Sept. 6.
- Recorder with differentiated records, Tape time. H. E. Hobby. 2,460,576, Feb. 1.
- Recorder with multiple lane tape and traversing transducer, Magazine type magnetic. H. S. Heller. 2,468,198, Apr. 26.
- Recording and computing machine. E. O. Roggenstein and E. F. Thierfelder. 2,489,724, Nov. 29.
- Recording and computing machine. E. F. Thierfelder. 2,473,738, June 21.
- Recording and computing machine. E. F. Thierfelder. 2,480,981, Sept. 6.
- Recording and controlling apparatus. R. B. Colt. 2,467,929, Apr. 19.
- Recording and projecting apparatus. J. H. Kiel. 2,482,672, Sept. 20.
- Recording and reproducing and its combination with a radio receiver, Frequency-modulation. W. van B. Roberts. 2,488,936, Nov. 22.
- Recording and reproducing, Combined. S. A. Scherbatskoy. 2,477,146, July 26.
- Recording and reproducing device, Combined. W. K. Rieber. 2,482,212, Sept. 20.
- Recording and reproduction of moving pictures with or without the accompaniment of sound. G. B. Morgan and C. N. Smyth. 2,486,867, Nov. 1.
- Recording and transcribing mechanism. D. S. Swarthout and J. W. Atkinson. 2,488,482, Nov. 15.
- Recording apparatus. C. M. Hathaway. 2,461,322, Feb. 8.
- Recording apparatus for correlating measurements in accordance with depth. S. A. Scherbatskoy. 2,479,518, Aug. 16.
- Recording apparatus for telemetric systems. H. D. Giffen and T. B. Thomson, Jr. 2,485,730, Oct. 25.
- Recording apparatus, Magazine type magnetic. W. J. Haloski. 2,476,599, July 19.
- Recording apparatus, Magazine type magnetic. E. L. Kent. 2,480,742, Aug. 30.
- Recording apparatus, Magnetic. L. B. Greenleaf. 2,483,729, Oct. 4.
- Recording apparatus, Oscillographic. R. M. Davis. 2,474,303, June 28.
- Recording apparatus, Signal. H. E. Roys. 2,475,200, July 5.
- Recording apparatus, Time. C. E. J. Nilson. 2,483,926, Oct. 4.
- Recording apparatus, Time. A. J. Schmidt. 2,460,659, Feb. 1.
- Recording electric signals. F. R. Thomas. 2,462,145, Feb. 22.
- Recording head, Magnetic. M. Camras. 2,481,393, Sept. 6.
- Recording machine, Coin-operated voice. E. M. Squire. Re. 23,112, May 10.
- Recording machine, Stenographic. H. Bastow. 2,486,777, Nov. 1.
- Recording method and system, Negative-positive. G. L. Dimmick. 2,468,047, Apr. 26.
- Recording process utilizing the magnetic field of a current conducted by the record member. W. A. Brastad and L. F. Borchardt. 2,483,398, Oct. 4.
- Recording stylus, Facsimile. W. G. H. Finch. 2,464,970, Mar. 22.
- Recording system. R. F. Shea. 2,469,213, May 3.
- Recording system and aperture plate therefor, Photographic sound. G. L. Dimmick. 2,468,049, Apr. 26.
- Recording system and aperture, Sound. A. R. Ulmer. 2,468,142, Apr. 26.
- Recording system and method, Magnetizable wire. S. D. Ellenberger. 2,488,717, Nov. 22.
- Recording system and monitoring arrangement therefor, Photographic sound. G. L. Dimmick. 2,468,048, Apr. 26.
- Recording system, Bifilar magnetic. M. Camras. 2,481,904, Sept. 13.
- Recording system, Call. L. M. Potts. 2,491,205, Dec. 13.
- Recording system, Dictation. L. J. Bowne. 2,489,396, Nov. 29.
- Recording system, Telephone call. J. C. Pond. 2,479,252, Aug. 16.
- Recording system, Wire. E. S. Peterson. 2,472,435, June 7.
- Recording system with signal identification, Multisignal. W. L. Andre. 2,489,253, Nov. 29.
- Recording system, Workman's time. R. Taylor and G. T. Baker. 2,478,024, Aug. 2.
- Recovering cyclized synthetic polyisoprene. J. D. D'Ianni. 2,484,614, Oct. 11.
- Recovering fur, hair, or wool from hide scraps and skins. M. Mulqueen. 2,480,761, Aug. 30.
- Recovering hard metal carbides from sintered masses. G. J. Trapp. 2,485,175, Oct. 18.
- Recovering in the form of alkali metal salts and oxides of nitrogen from gases containing the same, Process and apparatus for. J. R. Shields and H. L. Barnebey. 2,467,274, Apr. 12.
- Recovering nicotine from nicotine-bearing plant material. R. K. Eskew. 2,478,473, Aug. 9.
- Recovering phosphorus and calcium aluminate slag from phosphorus-containing materials and aluminum-containing materials. L. A. Conradi, O. G. Gjosteen, and H. Wesenberg. 2,488,078, Nov. 15.
- Recovering surface permeability of a porous body. W. W. Beaver. 2,478,856, Aug. 9.
- Recovery and cleaning of condensable gases. H. S. Robinson. 2,491,060, Dec. 13.
- Recovery and purification of water from exhaust gases on aircraft. H. A. Mulvany. 2,479,766, Aug. 23.
- Recovery of arginine, histidine, and lysine from protein hydrolysates. E. E. Howe and M. Tishler. 2,480,654, Aug. 30.
- Recovery of by-product ether. B. J. C. van der Hoeven. 2,474,874, July 5.
- Recovery of elemental phosphorus and compounds of potassium. R. D. Pike. 2,488,604, Nov. 22.
- Recovery of hydrogen chloride from off-gas. L. A. Myers. 2,490,454, Dec. 6.
- Recovery of light oil from absorbent. F. Denig. 2,472,810, June 14.
- Recovery of nitrogen oxides and hydrocarbons from gaseous mixtures. R. S. Egly. 2,491,919, Dec. 20.
- Recovery of normal propyl alcohol from oxygenated compounds. C. S. Carlson, N. C. Robertson, and C. E. Porter. 2,489,619, Nov. 29.
- Recovery of precious metal values. R. E. Byler and R. C. Dunn. 2,478,652, Aug. 9.
- Recovery of precious metal values by cyanidation. E. C. Herkenhoff and N. Hedley. 2,479,930, Aug. 23.
- Recovery of pyridine carboxylic acid. F. C. Huber. 2,487,874, Nov. 15.
- Recovery of stearic and abietic acid from hydrogenated tall oil. D. F. Othmer and G. Papps. 2,486,974, Nov. 1.
- Recovery of the constituents of gaseous mixtures. C. C. Van Nuys. 2,482,304, Sept. 20.
- Recovery of values from rock asphalt and like material. J. W. Coast. 2,489,700-1, Nov. 29.
- Rectangular translucent sound track record. A. Fuschl. 2,484,881, Oct. 18.
- Rectangular wave impulse generator. A. A. Varela. 2,465,407, Mar. 29.
- Rectification. E. K. Metzner. 2,460,706, Feb. 1.
- Rectification. J. V. Whittlesey. 2,476,010, July 12.
- Rectification of crude alkaloids. S. E. Ronzone. 2,481,537, Sept. 13.
- Rectifier. W. E. Blackburn. 2,476,800, July 19.
- Rectifier. W. H. Burgess. 2,491,031, Dec. 13.
- Rectifier. C. S. Duncan. 2,459,630, Jan. 18.
- Rectifier. C. A. Escoffery. 2,468,051, Apr. 26.
- Rectifier. P. H. Fennema and A. J. van den Hoogenhoff. 2,489,767, Nov. 29.
- Rectifier. C. Hein. 2,462,186, Feb. 22.
- Rectifier. A. E. Howe. 2,482,777, Sept. 27.
- Rectifier. C. A. Kottlerman. 2,485,450, Oct. 18.
- Rectifier. I. Levin. 2,469,393, May 10.
- Rectifier. W. W. Pendleton, L. J. Berberich and I. R. Smith. 2,484,245, Oct. 11.
- Rectifier. M. F. Skinner. 2,462,911, Mar. 1.
- Rectifier. D. Vitrogoan. 2,482,817, Sept. 27.
- Rectifier, Alternating current. A. C. Fletcher and D. Lloyd. 2,473,419, June 14.
- Rectifier and fabrication, Selenium. C. W. Hewlett. 2,476,042, July 12.
- Rectifier and making the same. L. B. Haigh. 2,485,593, Oct. 25.
- Rectifier and photocell, Selenium. F. Gray. 2,485,589, Oct. 25.
- Rectifier and production, Electric. W. H. Melklejohn. 2,485,402, Oct. 18.
- Rectifier and transformer unit. K. L. Hansen. 2,460,006, Jan. 25.
- Rectifier, Alternating electric current. L. E. Thompson. 2,468,845, May 3.
- Rectifier anode, High-tension. O. Pressel and G. A. M. Diepstraten. 2,466,967, Apr. 12.

- Rectifier, Blocking-layer. C. de Lange. 2,477,364, July 26.
- Rectifier bridge, Metal. M. C. Bloom. 2,459,787, Jan. 25.
- Rectifier construction, Electrical. L. K. Hedding. 2,490,435, Dec. 6.
- Rectifier element. M. J. Stateman. 2,459,848, Jan. 25.
- Rectifier element and manufacturing same, Selenium. T. G. Malmberg. 2,458,013, Jan. 4.
- Rectifier elements, Manufacturing. M. J. Stateman. 2,462,917, Mar. 1.
- Rectifier elements, Manufacturing. M. J. Stateman. 2,468,131, Apr. 26.
- Rectifier, Glow tube. P. W. Stutsman. 2,473,831, June 21.
- Rectifier, Grid controlled polyphase. F. A. Obloy. 2,473,386, June 14.
- Rectifier in glass or other insulating container, Full-wave. W. F. Bonner. 2,459,788, Jan. 25.
- Rectifier, Mercury arc. J. C. Read. 2,490,542, Dec. 6.
- Rectifier of the dry surface contact type, Alternating electric current. R. G. Sell and L. E. Thompson. 2,461,087, Feb. 8.
- Rectifier, Point-contact. F. H. Brittain and C. E. Ransley. 2,472,938, June 14.
- Rectifier protection, Low-voltage. O. Jensen. 2,471,216, May 24.
- Rectifier, Selenium. W. E. Blackburn and A. R. Apodaca. 2,479,301, Aug. 16.
- Rectifier, Selenium. W. E. Blackburn. 2,484,204, Oct. 11.
- Rectifier, Selenium. W. E. Blackburn. 2,488,369, Nov. 15.
- Rectifier, Selenium. W. P. Krok. 2,459,886, Jan. 25.
- Rectifying system. H. Klemperer and W. F. Huntley. 2,458,516, Jan. 11.
- Rectifier terminal device. R. T. Cheeseman and E. A. Harty. 2,467,811, Apr. 19.
- Rectifier treatment. G. W. Smith. 2,483,110, Sept. 27.
- Rectifier unit, Dry-plate. J. Abbott. 2,474,809, July 5.
- Rectifier with a voltage regulating reactor saturable by direct current. S. Hedström and U. Lamm. 2,470,556, May 17.
- Rectifiers. M. Goodman. 2,481,739, Sept. 13.
- Rectifiers and manufacturing the same, Selenium. J. Martinet and M. Deshays. 2,476,989, July 26.
- Rectifiers, Manufacturing small current selenium. E. D. Wilson. 2,479,446, Aug. 16.
- Rectifying a neutral molten salt treating bath. P. H. Kramer. 2,474,680, June 28.
- Rectifying apparatus. G. W. Meszaros. 2,467,329, Apr. 12.
- Rectifying apparatus. D. E. Trucksess. 2,488,350, Nov. 15.
- Rectifying apparatus, Mercury vapor. S. G. King. 2,473,151, June 14.
- Rectifying apparatus of the dry surface contact type, Alternating electric current. A. H. B. Walker. 2,486,768, Nov. 1.
- Rectifying arrangement. G. H. Pohn. 2,473,662, June 21.
- Recuperator construction. A. W. Catlin. 2,477,287, July 26.
- Recuperator system for airplane cannons. H. N. Metzel. 2,473,211, June 14.
- Reducer for firearms, Silencer and recoil. A. Bauer. 2,457,802, Jan. 4.
- Reducer, Frequency. H. M. Hüge. 2,462,322, Feb. 22.
- Reducer, Frequency. H. M. Hüge. 2,463,540, Mar. 8.
- Reducing apparatus. G. G. Norris. 2,466,470, Apr. 5.
- Reducing apparatus having a shiftable feed means, Material. L. K. Knight. 2,492,872, Dec. 27.
- Reducing code distortion in coded signaling systems. A. Hufnagel. 2,479,684, Aug. 23.
- Reducing corrosion. J. O. Almen. 2,463,010, Mar. 1.
- Reducing cut-growth rate of rubberlike butadiene-styrene copolymer. A. R. Davis. 2,473,016, June 14.
- Reducing device, Fluid pressure. R. R. Gunderson. 2,479,232, Aug. 16.
- Reducing device, Friction. P. Zalkind. 2,487,507, Nov. 8.
- Reducing ferric oxide to ferrosiferrous oxide. T. D. Heath. 2,477,454, July 26.
- Reducing locked in stresses in transversely welded ships caused by sun heat. G. W. Meier. 2,465,251, Mar. 22.
- Reducing odor and surface tack of neoprene objects. E. C. Svendsen and W. J. Clayton. 2,458,221, Jan. 4.
- Reducing specimen contamination in electron optical instruments. J. Hillier. 2,467,225, Apr. 12.
- Reducing sugar from polyhydric alcohol compositions, Removal of. J. D. Brandner. 2,463,677, Mar. 8.
- Reducing sugars, Electrolytic process for. H. J. Creighton and R. A. Hales. 2,458,895, Jan. 11.
- Reducing the adhesion of ice to rubbery-surfaces. E. G. Haas. 2,470,772, May 24.
- Reducing the crease and wrinkling tendencies of cellulosic textile fabrics. M. Weisberg, A. S. Stevenson and L. Beer. 2,484,598, Oct. 11.
- Reducing the leakage current in selenium rectifiers. N. W. H. Addink, C. L. Boucher, C. de Lange, and J. Kramer. 2,464,066, Mar. 8.
- Reducing the shrinkage and felting tendencies of protein textile materials. M. Weisberg, A. S. Stevenson and L. Beer. 2,484,599, Oct. 11.
- Reducing viscosity of cellulose nitrate with morpholine. S. B. Luce. 2,467,324, Apr. 12.
- Reduction gear. J. A. Jackson. 2,475,504, July 5.
- Reduction-hydrolysis of nitrobenzenes to cyclohexanols. G. F. Hager. 2,481,922, Sept. 13.
- Reduction of compounds containing an active methylene group. E. T. Stiller. 2,480,683, Aug. 30.
- Reduction of hydroperoxides. E. J. Lorand. 2,484,841, Oct. 18.
- Reduction of nitrobenzene to hydrazobenzene. G. Hallie. 2,486,358, Oct. 25.
- Reduction of polycyclic aromatic hydrocarbons, Partial. V. L. Hansley. 2,473,997, June 21.
- Reduction of viscosity of molten sulfur by means of phenolic compounds. L. F. Marek and A. Bogrow. 2,482,590, Sept. 20.
- Reduction of viscosity of molten sulfur by means of resin acids. A. Bogrow and A. R. Johnson. 2,482,574, Sept. 20.
- Reed structure. J. Tiefenthal. 2,457,852, Jan. 4.
- Reed, Weaving. I. Andrews. 2,468,800, May 3.
- Reed, Wood-wind. A. L. Ohnhaus. 2,492,366, Dec. 27.
- Reel: See—
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| Advancing reel. | Line reel. |
| Automatic fishing reel. | Motion-picture film reel. |
| Bait casting reel. | Motion-picture reel. |
| Clothesline reel. | Moving picture film reel. |
| Collapsible reel. | Multiple stage thread advancing drier reel. |
| Drying reel. | Reinforced thread-advancing reel. |
| Electric cord reel. | Self-advancing winding reel. |
| Electric fishing reel. | Spring reel. |
| Film fastening reel. | Tape reel. |
| Film reel. | Thread advancing reel. |
| Fishing line reel. | Thread storage reel. |
| Fishing reel. | Winding reel. |
| Foldable reel. | Wire and paper reel. |
| Harvester reel. | Yarn-advancing reel. |
| Hose reel. | Yarn winding reel. |
| Hydraulically checked escape reel. | |
| Hydraulically driven fishing reel. | |
- Reel. C. L. Beard. 2,492,515, Dec. 27.
- Reel. A. A. Bureau and E. M. Denny. 2,479,059, Aug. 10.
- Reel. F. Dotsch. 2,464,676, Mar. 15.
- Reel. J. S. Komassa. 2,485,385, Oct. 18.
- Reel. D. Larkin. 2,462,408, Feb. 22.
- Reel and cable brake. P. J. Peters. 2,489,432, Nov. 29.
- Reel and mechanism for inverse winding of motion-picture films. J. R. Adams. 2,481,708, Sept. 13.
- Reel and rod holder, Fishing. J. Z. Miller. 2,475,193, July 5.
- Reel and winch, Wire. O. Toland. 2,475,762, July 12.
- Reel assembly. W. M. Simpson. 2,470,658, May 17.
- Reel, cable. J. J. Slomer. 23,099, Apr. 12.
- Reel construction, Film. P. L. Karr. 2,473,337, June 14.
- Reel drive, Core type. W. R. Harris. 2,467,743, Apr. 19.
- Reel drive, Weight controlled. D. Canady. 2,461,033, Feb. 8.
- Reel for electric cords, Continuous contact. R. R. Edwards. 2,480,401, Aug. 30.
- Reel for motion-picture films. R. J. Reynolds. 2,473,074, June 14.
- Reel for wire-winding machines and the like. P. A. Schmidt. 2,489,108, Nov. 22.
- Reel made of a single blank, Ribbon. W. H. Hawkins. 2,477,333, July 26.
- Reel mechanism. J. W. Petrie. 2,463,303, Mar. 1.
- Reel support. W. R. Spiller and L. D. Barley. 2,461,665, Feb. 15.
- Reel to hold yarn or thread, Adjustable. A. L. Blanton. 2,476,176, July 12.
- Reel with adjustable drum port, Cable. A. A. Bureau. 2,460,972, Feb. 8.
- Reeling device. D. J. Nave, Jr., and L. B. Herrod. 2,489,319, Nov. 29.
- Reeling equipment, Take-up hose. E. E. Martin. 2,478,540, Aug. 9.
- Reeling machine, Wire. F. Spillman. 2,467,869, Apr. 19.
- Reeling mechanism. F. A. and E. L. King and A. N. Fedstrom. 2,485,741, Oct. 25.
- Reeling mechanism. E. E. Martin. 2,478,494, Aug. 9.
- Refacing device, Breaker point. H. C. Bartlow, Sr. 2,474,086, June 21.
- Refacing tool. M. P. Schlosser. 2,466,483, Apr. 5.
- Reference apparatus. T. M. Ferrill, Jr. 2,479,562, Aug. 23.
- Reference apparatus, Stable. T. M. Ferrill, Jr. 2,479,563, Aug. 23.
- Reference junction for thermocouple leads. H. J. Hall, and F. L. Jonach. 2,475,238, July 5.
- Refiner, Rotary. E. P. Arpin, Jr. 2,475,869, July 12.
- Refining glycerine. F. J. Sprules and R. Liebling. 2,487,610, Nov. 8.
- Refining light oil products. W. O. Keeling. 2,484,834, Oct. 18.
- Refining of crude methanol by azeotropic distillation. J. F. McCants. 2,476,205, July 12.
- Refining of light oils, Solvent. R. E. Manley. 2,475,147, July 5.
- Refining polymerized rosin. B. L. Hampton. 2,492,146, Dec. 27.
- Refining process for rosin. B. L. Hampton. 2,492,145, Dec. 27.
- Refinishing old furniture. C. Roman. 2,488,068, Nov. 15.
- Reflecting and focusing apparatus with pivotally adjustable spaced apart reflecting members for heat and light rays. W. J. Harvey. 2,471,954, May 31.

- Reflecting body, Submersible. J. T. Beechlyn. 2,465,993, Apr. 5.
- Reflecting device. P. Rosenberg. 2,461,181, Feb. 8.
- Reflecting device for motor vehicles, Swinging and rotating. V. V. Price. 2,472,438, June 7.
- Reflecting device, Light. W. F. Jackson. 2,483,202, Sept. 27.
- Reflecting electric lamp. L. H. Verbeek and G. H. Geritsma. 2,488,751, Nov. 22.
- Reflecting means for folding the light path in optical systems. B. E. Luboshez. 2,466,455, Apr. 5.
- Reflecting surface replica. P. A. Roos. 2,482,598, Sept. 20.
- Reflection modifying coatings and articles so coated and making the same. H. R. Moulton and E. D. Tillyer. 2,466,119, Apr. 5.
- Reflector. P. Rosenberg and R. L. Garman. 2,480,199, Aug. 30.
- Reflector, Air-borne corner. L. Chromak. 2,463,517, Mar. 8.
- Reflector and making same, Front surface. D. M. Packer. 2,464,256, Mar. 15.
- Reflector apparatus. F. L. Eastman. 2,465,519, Mar. 29.
- Reflector assembly for portable electric flashlights, Explosion-proof. L. C. Grimsley. 2,482,763, Sept. 27.
- Reflector, Folding corner. H. D. Morris and C. H. Zierdt, Jr. 2,475,633, July 12.
- Reflector, Lantern. J. D. Jackson and R. D. Davidson. 2,482,543, Sept. 20.
- Reflector system, Antenna. T. H. Clark. 2,492,358, Dec. 27.
- Reflector, Wave modifying. W. J. Albersheim. 2,472,782, June 14.
- Reflector with light, Mouth. J. J. Hoeffing. 2,492,427, Dec. 27.
- Reflectoscope, Supersonic. F. A. Firestone. 2,458,771, Jan. 11.
- Reflex cooled exhaust valve. F. G. Twitchell. 2,467,060, Apr. 12.
- Reflex sight with large exit pupil. L. H. Brown. 2,464,209, Mar. 15.
- Reflex type loud-speaker cabinet. S. M. Kincart. 2,491,982, Dec. 20.
- Reforming machine. S. S. Jacobs and H. B. Peterson. 2,460,293, Feb. 1.
- Reforming process. V. Haensel and C. F. Gerald. 2,478,916, Aug. 16.
- Reforming system for television relays. E. L. C. White. 2,492,943, Dec. 27.
- Reforming tool. C. F. Schneider. 2,462,908, Mar. 1.
- Refractometer employing photosensitive devices and use of the same. R. M. Pierson. 2,483,102, Sept. 27.
- Refractory. A. F. Johnson. 2,480,475, Aug. 30.
- Refractory agglomerate and making. R. Lecuir. 2,491,411, Dec. 13.
- Refractory and making. A. F. Johnson. 2,480,473, Aug. 30.
- Refractory and producing the same. R. R. Hendren. 2,465,375, Mar. 29.
- Refractory body, Electrically conducting. J. M. Mochel. 2,467,144, Apr. 12.
- Refractory composition and making. E. Blaha. 2,465,672, Mar. 29.
- Refractory composition and producing same. T. Kauffman, Jr., and L. J. Jacobs. 2,460,268, Feb. 1.
- Refractory compositions, Electrically conducting. J. M. Mochel. 2,490,825-6, Dec. 13.
- Refractory element for electric heaters. F. Yokel. 2,469,287, May 3.
- Refractory material. E. A. Hertzell and R. H. Anderson. 2,480,577, Aug. 30.
- Refrigerant circulating system with multistage compressor. M. G. Shoemaker. 2,477,093, July 26.
- Refrigerant deoiler. E. F. Vilter. 2,462,012, Feb. 15.
- Refrigerant expansion valve. C. S. Martin. 2,463,892, Mar. 8.
- Refrigerant feed for multiple evaporator refrigerating systems. C. G. Bach. 2,463,671, Mar. 8.
- Refrigerant from the supply line to a compressor, Removal of liquid. J. W. Obreiter, Jr. 2,461,342, Feb. 8.
- Refrigerant injector and surge drum arrangement. H. A. Phillips. 2,466,863, Apr. 12.
- Refrigerant system, Mixed. C. M. Ashley. 2,492,725, Dec. 27.
- Refrigerated case. E. O. Henderson. 2,492,695, Dec. 27.
- Refrigerated display cabinet. M. W. Schwartz. 2,459,243, Jan. 18.
- Refrigerated display cabinet. R. E. and J. B. Skoog. 2,477,393, July 26.
- Refrigerated display case. D. E. Rutishauser. 2,479,135, Aug. 16.
- Refrigerated display case. E. E. Sanders. 2,465,934, Mar. 29.
- Refrigerated shipping container. G. B. Wagner. 2,489,510, Nov. 29.
- Refrigerated storage cabinet. H. Fowler. 2,480,640, Aug. 30.
- Refrigerating apparatus. D. Aronson. 2,480,693, Aug. 30.
- Refrigerating apparatus. R. S. Gaugler. 2,491,105, Dec. 13.
- Refrigerating apparatus. W. Giffard. 2,463,686, Mar. 8.
- Refrigerating apparatus. W. Giffard. 2,477,055, July 26.
- Refrigerating apparatus. C. D. Graham. 2,468,626, Apr. 26.
- Refrigerating apparatus. L. B. Green. 2,467,427, Apr. 19.
- Refrigerating apparatus. M. S. Groh. 2,477,739, Aug. 2.
- Refrigerating apparatus. B. Hall. 2,484,944, Oct. 18.
- Refrigerating apparatus. E. O. Henderson. 2,476,491, July 19.
- Refrigerating apparatus. W. W. Higham. 2,483,007, Sept. 27.
- Refrigerating apparatus. C. F. Petkowitz. 2,484,584, Oct. 11.
- Refrigerating apparatus. L. A. Philipp. 2,464,606, Mar. 15.
- Refrigerating apparatus. L. A. Philipp. 2,476,906, July 19.
- Refrigerating apparatus. L. A. Philipp. 2,484,310, Oct. 11.
- Refrigerating apparatus. L. A. Philipp. 2,485,066, Oct. 18.
- Refrigerating apparatus. F. I. Rataiczak. 2,473,904, June 21.
- Refrigerating apparatus. G. W. Rave. 2,485,509, Oct. 18.
- Refrigerating apparatus. O. V. Saunders. 2,463,999, Mar. 8.
- Refrigerating apparatus. S. M. Schweller. 2,483,439, Oct. 4.
- Refrigerating apparatus. E. A. Szymczyk. 2,486,507-8, Nov. 1.
- Refrigerating apparatus. E. W. Zearfoss, Jr. 2,492,611, Dec. 27.
- Refrigerating apparatus actuated by a hot-gas engine. F. K. du Pré. 2,468,293, Apr. 26.
- Refrigerating apparatus, Ammonia. R. S. Taylor and B. A. Daley. 2,487,001, Nov. 1.
- Refrigerating apparatus, Food. K. Eftihios. 2,461,375, Feb. 8.
- Refrigerating apparatus for vehicles. L. L. Keumpel. 2,479,170, Aug. 16.
- Refrigerating apparatus having a freezing chamber and a storage chamber. W. E. Richard. 2,484,588, Oct. 11.
- Refrigerating apparatus having condensate collecting means. O. V. Saunders. 2,485,115, Oct. 18.
- Refrigerating apparatus, Hot-air engine actuated. W. J. van Heeckeren. 2,484,392, Oct. 11.
- Refrigerating apparatus including a cabinet having means for suspending it from the wall of a space to be cooled. S. S. Corhanidis. 2,489,009, Nov. 22.
- Refrigerating apparatus, including a lubricant cooler. L. A. Philipp. 2,476,764, July 19.
- Refrigerating apparatus, including hydraulic lift. S. G. Price. 2,463,307, Mar. 1.
- Refrigerating apparatus, Multistage. W. L. Morrison. 2,467,219, Apr. 12.
- Refrigerating apparatus, Vehicular. P. Maniscalco. 2,479,128, Aug. 10.
- Refrigerating apparatus with charging plug. J. M. Murphy. 2,462,535, Feb. 22.
- Refrigerating device for the manufacture of frozen comestibles. R. F. Harless. 2,458,940, Jan. 11.
- Refrigerating machine, Multicylinder. F. L. van Weenen. 2,486,081, Oct. 25.
- Refrigerating means. J. F. Saye. 2,473,730, June 21.
- Refrigerating means for containers. H. E. Palaith. 2,460,765, Feb. 1.
- Refrigerating means for dough mixers. M. A. Sticelber. 2,461,450, Feb. 8.
- Refrigerating means, Two-temperature. M. H. Strang and R. J. Burger. 2,482,222, Sept. 20.
- Refrigerating system. C. W. Brown. 2,481,469, Sept. 6.
- Refrigerating system. G. K. Marshall. 2,466,460, Apr. 5.
- Refrigerating system. W. A. Ray. 2,491,905, Dec. 20.
- Refrigerating system, Absorption. W. L. Bulkley. 2,469,153, May 3.
- Refrigerating system and control therefor, Low-temperature. W. E. Dodson. 2,479,733, Aug. 23.
- Refrigerating system, including a defrosting arrangement and a control therefor, Absorption. S. W. E. Andersson. 2,468,105, Apr. 26.
- Refrigerating system, Low-pressure absorption. J. G. Reid, Jr. 2,473,389, June 14.
- Refrigerating system, Low-temperature. W. E. Dodson. 2,479,732, Aug. 23.
- Refrigerating system, Two-temperature. L. W. Atchison. 2,471,137, May 24.
- Refrigerating system, Two-temperature. E. W. Zearfoss, Jr. 2,482,569, Sept. 20.
- Refrigerating unit having air circulating means, Multiple temperature. C. L. Spoonhour. 2,474,499, June 28.
- Refrigeration. N. E. af Kleen. 2,461,262, Feb. 8.
- Refrigeration. H. K. Bergholm. 2,490,401, Dec. 6.
- Refrigeration. C. C. Coons. 2,487,791, Nov. 15.
- Refrigeration. C. C. Coons. 2,489,752, Nov. 29.
- Refrigeration. G. P. Daiger. 2,463,359, Mar. 1.
- Refrigeration. R. L. Hallock. Re. 23,110, May 10.
- Refrigeration. C. A. Roswell. Re. 23,093, Mar. 22.
- Refrigeration. A. Schultze. 2,469,179, May 3.
- Refrigeration. J. Scott. 2,467,633, Apr. 19.
- Refrigeration. C. E. Skomp. 2,465,939, Mar. 29.
- Refrigeration. E. W. Zearfoss, Jr. 2,492,610, Dec. 27.
- Refrigeration apparatus. R. D. Heitchue. 2,463,035, Mar. 1.
- Refrigeration apparatus. R. E. Tobey. 2,476,123, July 12.
- Refrigeration apparatus and method, Multitemperature. C. O. Mackey and G. M. Rogers. 2,479,848, Aug. 23.
- Refrigeration apparatus arranged for periodic defrosting. G. Frie. 2,463,027, Mar. 1.

- Refrigeration apparatus having an air pump circuit. N. Morris. 2,487,068, Nov. 8.
- Refrigeration apparatus, including a system for cooling parts thereof. F. C. Meyer. 2,480,497, Aug. 30.
- Refrigeration apparatus, intermittent absorption. N. Erland af Kleen. 2,487,861, Nov. 15.
- Refrigeration apparatus, Two temperature. L. B. M. Buchanan. 2,458,560, Jan. 11.
- Refrigeration apparatus, Two temperature. G. S. McCloy. 2,492,648, Dec. 27.
- Refrigeration charging and evacuation apparatus. R. W. Doeg. 2,464,563, Mar. 15.
- Refrigeration expansion valve. F. Y. Carter. 2,463,951, Mar. 8.
- Refrigeration, Heat operated compression. A. Katzow. 2,486,034, Oct. 25.
- Refrigeration method and system having provision for the return of purged gas, Absorption. E. P. Whitlow. 2,473,385, June 14.
- Refrigeration, Process and apparatus for. R. K. Deutsch, F. A. Larson, and V. E. Middlebrook. 2,479,821, Aug. 23.
- Refrigeration, Process and apparatus for. A. J. Johnson and T. W. Rosebaugh. 2,479,840, Aug. 23.
- Refrigeration, Process and apparatus for. T. W. Rosebaugh. 2,479,867, Aug. 23.
- Refrigeration, Producing increased. W. H. Reed and W. A. Pennington. 2,479,259, Aug. 16.
- Refrigeration system. P. A. Siddell. 2,472,729, June 7.
- Refrigeration system. E. W. Zearfoss, Jr. 2,487,012, Nov. 1.
- Refrigeration system, including a fan, Inert gas absorption. D. L. Moody. 2,463,409, Mar. 1.
- Refrigeration system, including defrosting apparatus and method, Absorption. B. A. Phillips. 2,468,104, Apr. 26.
- Refrigeration system, including valve controls. M. Seligman, and C. A. Sewell. 2,475,556, July 5.
- Refrigeration system, Low-temperature. S. C. Collins. 2,458,894, Jan. 11.
- Refrigeration system, Quick. G. E. Clancy. 2,475,077, July 5.
- Refrigeration system, Self-defrosting. P. J. Gaylor. 2,461,636, Feb. 15.
- Refrigeration system using two refrigerants, Two-temperature. L. A. Philipp. 2,483,842, Oct. 4.
- Refrigeration system with controls therefor, Multiple. A. B. Newton. 2,461,760, Feb. 15.
- Refrigeration unit, Two temperature. K. P. Groat. 2,458,589, Jan. 11.
- Refrigerator. A. Amyot. 2,474,452, June 28.
- Refrigerator. G. E. Curtiss, Jr. 2,463,250, Mar. 1.
- Refrigerator. G. R. Heidenblut. 2,481,997, Oct. 18.
- Refrigerator. C. F. Julin. 2,491,114, Dec. 13.
- Refrigerator. C. G. Minor. 2,490,535, Dec. 6.
- Refrigerator. F. D. Peltier. 2,480,763, Aug. 30.
- Refrigerator. W. E. Richard. 2,481,616, Sept. 13.
- Refrigerator. F. P. Yoars. 2,491,145, Dec. 13.
- Refrigerator and air conditioner. R. E. Houting. 2,475,616, July 12.
- Refrigerator cabinet. E. R. Widman. 2,490,494, Dec. 6.
- Refrigerator cabinet having ice-cream can support means. H. W. Custer. 2,483,264, Sept. 27.
- Refrigerator car. J. F. Mull. 2,475,715, July 12.
- Refrigerator car with a movable bulkhead. C. L. Moorman. 2,473,169, June 14.
- Refrigerator chamber cooled by evaporation of liquid by a current of air. M. Berlowitz. 2,488,116, Nov. 15.
- Refrigerator condensate receiver. H. A. Tuschling. 2,490,491, Dec. 6.
- Refrigerator construction. J. S. Palmer. 2,464,526, Mar. 15.
- Refrigerator construction. J. S. Palmer and L. H. Hinkel. 2,480,257, Aug. 30.
- Refrigerator cooled by dry ice and water ice. L. A. McDonald. 2,464,522, Mar. 15.
- Refrigerator, Cylindrical domestic. W. L. Morrison.
- Refrigerator, Display and dispensing. P. Spiro. 2,481,790, Sept. 13.
- Refrigerator display case. E. L. Stultz. 2,466,286, Apr. 5.
- Refrigerator drinking water cooler. W. F. Skinner. 2,477,210, July 26.
- Refrigerator having a door heating device. M. Rifkin and M. S. Sutton. 2,460,469, Feb. 1.
- Refrigerator having an air-pump circuit. V. P. Warren, II. 2,463,835, Mar. 8.
- Refrigerator having condensate disposal means. H. S. Childers. 2,470,547, May 17.
- Refrigerator having means for defrosting, Two-temperature. W. E. Richard. 2,487,182, Nov. 8.
- Refrigerator having means for maintaining the pressure in the storage chamber above atmospheric. C. D. Skinner. 2,478,719, Aug. 9.
- Refrigerator having means for minimizing condensation. O. H. Yoxsimer. 2,473,322, June 14.
- Refrigerator having moisture control means. M. G. Shoemaker. 2,478,017, Aug. 2.
- Refrigerator, including a cabinet provided with a sliding door. D. L. Kaufman and R. E. Fleming. 2,463,283, Mar. 1.
- Refrigerator, including a frozen food thawing apparatus. M. V. Mascioli and A. T. Buono. 2,465,107, Mar. 22.
- Refrigerator, including an evaporator and ice cube tray arrangement for cooling the food storage compartments. F. D. Peltier. 2,478,312, Aug. 9.
- Refrigerator, including controls for the refrigerating system thereof, Multiple compartment. C. Passman. 2,462,279, Feb. 22.
- Refrigerator, including means for controlling circulation of air therein. E. E. Tobey. 2,480,617, Aug. 30.
- Refrigerator latch. L. L. Anderson and R. E. Johnson. 2,482,959, Sept. 27.
- Refrigerator latch. A. C. Shuart. 2,459,190, Jan. 18.
- Refrigerator latch. H. Wallace. 2,461,361, Feb. 8.
- Refrigerator liner and evaporator coil secured to the exterior thereof. T. G. Crider. 2,467,191, Apr. 12.
- Refrigerator liner support. G. E. Curtiss, Jr. 2,473,573, June 21.
- Refrigerator, Liquid air. T. W. Rosebaugh. 2,479,866, Aug. 23.
- Refrigerator, Open-top display. H. W. Hardin. 2,463,614, Mar. 8.
- Refrigerator, Portable. J. F. Steel. 2,492,601, Dec. 27.
- Refrigerator, Portable electric. A. M. Layne. 2,481,228, Sept. 6.
- Refrigerator provided with a defrosting control for the refrigeration system thereof. G. S. McCloy. 2,459,083, Jan. 11.
- Refrigerator, Round. D. A. Rizzor. 2,475,254, July 5.
- Refrigerator, Setback. G. L. C. Earle. 2,468,719, Apr. 26.
- Refrigerator system. D. E. MacLeod. 2,481,605, Sept. 13.
- Refrigerator system, Two-temperature. P. D. Van Vliet and B. J. Homkes. 2,462,240, Feb. 22.
- Refrigerator unit. W. H. D. Brouse. 2,466,876, Apr. 12.
- Refrigerator unit. C. W. Savidge. 2,470,956, May 24.
- Refrigerator with defrosting pan. L. Carrière. 2,467,464, Apr. 19.
- Refrigerator with pivoted rotatable shelves, Circular. J. E. Ramsey. 2,457,919, Jan. 4.
- Refrigerator with thermostatically controlled air valve, Top iced. H. S. Lee. 2,477,756, Aug. 2.
- Refuse bag support. T. O. Smith. 2,459,970, Jan. 25.
- Refuse collecting vehicle. A. T. C. Dear. 2,488,965-6, Nov. 22.
- Regenerating a fluidized catalyst, Multistage. W. I. Thompson and C. W. Tyson. 2,475,650, July 12.
- Regenerating a moving bed contact material, Method and apparatus for. T. P. Simpson. 2,458,435, Jan. 4.
- Regenerating a moving bed of solid catalyst. L. P. Evans. 2,458,358, Jan. 4.
- Regenerating catalyst material, Process and apparatus for. R. R. Collins and S. M. Mercier. 2,489,863, Nov. 29.
- Regeneration of a moving bed catalyst, Method and apparatus for conducting the. J. A. Crowley, Jr. 2,458,487, Jan. 4.
- Regeneration of a moving bed catalyst, Multiple-zone. L. P. Evans. 2,458,359, Jan. 4.
- Regeneration of a moving bed catalyst, Multistage. T. P. Simpson and C. V. Hornberg. 2,457,837, Jan. 4.
- Regeneration of catalyst. J. A. Snyder. 2,488,744, Nov. 22.
- Regeneration of caustic soda-sodium sulfide cooking liquor. R. R. Fuller and V. Woodside. 2,481,408, Sept. 6.
- Regeneration of catalysts used in the production of hydrocarbons from carbon monoxide and hydrogen. A. Clark. 2,479,999, Aug. 23.
- Regeneration of hydrocarbon conversion catalyst, Process and apparatus for the. H. L. Pelzer. 2,477,345, July 26.
- Regeneration of iron type hydrocarbon synthesis catalyst. D. R. McAdams and M. A. Segura. 2,487,159, Nov. 8.
- Regenerating moving bed particle form contact mass materials, Method and apparatus for. T. P. Simpson. 2,458,434, Jan. 4.
- Regenerating synthesis catalyst with oxygen and return of oxidized catalyst to the synthesis reactor. S. B. Sweetser. 2,472,501, June 7.
- Regenerator. W. Dennis. 2,492,788, Dec. 27.
- Regenerator, Capacitor. J. L. Wagner and R. E. Lawhead. 2,480,795, Aug. 30.
- Regenerator chamber for mercury cathode electrolytic cell. R. A. Horst. 2,467,892, Apr. 19.
- Regenerator, Electronic synchronous signal. S. Rattner. 2,470,722, May 17.
- Regenerator of the chimney type, Heat. W. J. Irwin. 2,479,933, Aug. 23.
- Regenerator, Synchronous. W. A. Anderson. 2,470,677, May 17.
- Register. P. H. Allen and B. J. Chromy. 2,492,345, Dec. 27.
- Register. J. S. Johnson, and K. L. Bedell. 2,475,028, July 5.
- Register. R. N. Ward and H. F. Sedgebury. 2,490,390, Dec. 6.
- Register, Air. O. A. Labus. 2,472,748, June 7.
- Register and the like, Wall. K. L. Babcock. 2,466,353, Apr. 5.
- Register, Autographic. J. T. Davidson and J. H. Kroemer. 2,457,807, Jan. 4.
- Register, Autographic. W. E. Oliver. 2,470,260, May 17.
- Register actuating device. F. J. Rouan and W. J. Hanson. 2,488,143, Nov. 15.
- Register, Cash. M. Demeulenaere. 2,473,509, June 21.
- Register construction. W. C. De Roo. 2,464,442, Mar. 15.

- Register construction. W. C. De Roo. 2,473,053, June 14.
 Register for echo pulses from a plurality of objects, Automatic. A. M. Skellett. 2,478,670, Aug. 9.
 Register for oil burners, Louvered air. A. Clarkson. 2,465,712, Mar. 29.
 Register, Hen-cage. R. V. Wilson. 2,474,965, July 5.
 Register indicating mechanism, Cash. R. K. and O. A. Hodel. 2,490,807, Dec. 13.
 Register, Score. G. O. Norgard. 2,476,560, July 19.
 Register, Self-help store. V. Stroh. 2,480,428, Aug. 30.
 Register system, Selective message. J. W. Dehn and W. Whitney. 2,468,429, Apr. 26.
 Registering device. W. Petty. 2,478,314, Aug. 9.
 Registering device for envelope blanks. S. W. Henry. 2,474,944, July 5.
 Registering device for printing elements, Predetermined. W. C. Huebner. 2,481,928, Sept. 13.
 Registering mechanism. C. D. Ryan and E. P. Drake. 2,486,328, Oct. 25.
 Registering prints from printing elements. W. C. Huebner. 2,492,528, Dec. 27.
 Registration frame. R. M. Haff. 2,487,542, Nov. 8.
 Registration system. P. Mallery. 2,460,702, Feb. 1.
 Regraining aluminum plates. R. L. Heath and E. C. Huxley. 2,476,413, July 19.
 Regulating and feed apparatus for internal-combustion engines. P. G. Vanni. 2,470,382, May 17.
 Regulating apparatus, Condition. G. E. Parker. 2,478,753, Aug. 9.
 Regulating apparatus, Heat. R. Amsler. 2,474,798, June 28.
 Regulating arrangement, Dual voltage. H. Bany. 2,492,729, Dec. 27.
 Regulating arrangement, Voltage. B. M. Hadfield. 2,486,155, Oct. 25.
 Regulating device, Current. K. A. Lang. 2,471,823, May 31.
 Regulating device, Engine combustion. C. W. MacMillan. 2,458,086, Jan. 4.
 Regulating device for compressors, Torque. A. V. D. Willgoos. 2,460,778, Feb. 1.
 Regulating generator. H. S. Jacobs. 2,475,140, July 5.
 Regulating means for baler tying mechanisms, Feed. M. Ronning and K. M. Keith. 2,470,724, May 17.
 Regulating means, Temperature responsive current. W. C. Sealey. 2,478,328, Aug. 9.
 Regulating or controlling apparatus, Thermostatically-operated. W. W. Hamill. 2,473,097, June 14.
 Regulating shunt commutator motors. V. Klíma. 2,490,274, Dec. 27.
 Regulating system. D. F. Aldrich. 2,473,838, June 21.
 Regulating system. S. L. Bradley. 2,473,854, June 21.
 Regulating system. S. B. Crary. 2,472,571, June 7.
 Regulating system. F. E. Crever. 2,468,546, Apr. 26.
 Regulating system. R. A. Geiselman. 2,482,474, Sept. 20.
 Regulating system. S. B. Griscom and R. L. Witzke. 2,459,640, Jan. 18.
 Regulating system. E. L. Harder and C. E. Valentine. 2,473,882, June 21.
 Regulating system. E. L. Harder. 2,488,399, Nov. 15.
 Regulating system. W. R. Harris and C. F. Wagner. 2,482,483, Sept. 20.
 Regulating system. H. S. Kirschbaum. 2,467,753, Apr. 19.
 Regulating system. C. L. Mershon. 2,459,669, Jan. 18.
 Regulating system. C. L. Mershon. 2,488,422, Nov. 15.
 Regulating system. J. D. Miner, Jr. 2,484,237, Oct. 11.
 Regulating system. R. L. Witzke. 2,459,607, Jan. 18.
 Regulating system, Automatic. N. P. W. Frisk and A. G. W. Hernqvist. 2,460,497, Feb. 1.
 Regulating system, Automatic electric. R. G. Adams and J. H. Johnston. 2,483,346, Oct. 18.
 Regulating system for motor generators, Electrical. J. W. Allen. 2,492,513, Dec. 27.
 Regulating system for pumps. O. C. Norton. 2,475,248, July 5.
 Regulating system for synchronous condensers. S. L. Bradley. 2,476,805, July 19.
 Regulating system, Speed. J. F. Kovalsky. 2,462,203, Feb. 22.
 Regulating system, Temperature. C. L. Mershon. 2,462,207, Feb. 22.
 Regulating system, Voltage. G. H. Fletcher. 2,462,624, Feb. 22.
 Regulating system, Voltage. M. E. Hiehle. 2,474,580, June 28.
 Regulating system, Voltage. L. G. Tubbs. 2,482,522, Sept. 20.
 Regulation device for transmission mechanisms, specially for brakes control, Automatic. G. Bodinaux and A. Malchair. 2,466,363, Apr. 5.
 Regulation of electro-plating apparatus, Automatic electric. W. Few. 2,488,856, Nov. 22.
 Regulation of steam and exhaust gas turbines. J. P. Chittenden. 2,464,434, Mar. 15.
 Regulator: See—
 Automatic manifold pressure regulator.
 Automatic oil regulator.
 Boiler feed-water temperature regulator.
 Brake pressure regulator.
 Cabin pressure regulator.
 Carbon pile electric regulator.
 Carbon pile regulator.
 Draft regulator.
 Dynamoelectric voltage regulator.
 Electric regulator.
 Electrical energy regulator.
 Electrical pulse regulator.
 Electrical regulator.
 Electronic impulse speed regulator.
 Flow regulator.
 Fluid pressure regulator.
 High-frequency heating regulator.
 Induction regulator.
 Liquid fuel regulator.
 Motor vehicle automatic speed regulator.
 Pressure regulator.
 Regulator. K. R. MacKenzie. 2,468,678, Apr. 26.
 Regulator. H. A. Wheeler. 2,462,796, Feb. 22.
 Regulator and indicator device, Automatic changeover. A. R. Olson. 2,488,779, Nov. 22.
 Regulator and recoil compensator for shotguns, Combined choke. R. M. Noll. 2,490,829, Dec. 13.
 Regulator and vaporizer, particularly for volatile liquid fuels, Pressure. R. F. and H. W. Ensign. 2,475,087, July 5.
 Regulator circuit. F. E. Crever. 2,461,964, Feb. 15.
 Regulator for alternating current machines, Voltage. U. Krabbe. 2,477,988, Aug. 2.
 Regulator for boilers, Automatic feed. M. Ehlinger. 2,491,960, Dec. 20.
 Regulator for cattle tanks, Water. H. T. Jones. 2,471,328, May 24.
 Regulator for controllable pitch propellers. J. F. Haines and T. B. Martin. 2,465,090, Mar. 22.
 Regulator for controlling either a heating or cooling medium, Temperature. W. W. Carson, Jr. 2,463,600, Mar. 8.
 Regulator for internal-combustion engines, Temperature. D. L. Morgan. 2,471,533, May 31.
 Regulator for synchronous dynamoelectric machines. S. B. Crary and M. E. Hartman. 2,478,623, Aug. 9.
 Regulator for telephone ringers, Sound. W. E. Whidden. 2,468,474, Apr. 26.
 Regulator mechanism for convertibles, Window. J. B. Parsons. 2,466,326, Apr. 5.
 Regulator mechanism for rear quarter window panels. J. B. Parsons. 2,475,985, July 12.
 Regulator of the carbon pile type, Electric. C. V. Austin. 2,489,071, Nov. 22.
 Regulator system. S. B. Crary. 2,478,622, Aug. 9.
 Regulator system. A. Fisher. 2,464,567, Mar. 15.
 Regulator system. E. L. Harder. 2,482,481, Sept. 20.
 Regulator system, Power supply. C. Martinez. 2,474,269, June 28.
 Regulator system, Voltage. M. Debrey. 2,491,802, Dec. 20.
 Regulator using a permanent magnet as a standard, Constant current. H. T. Faus. 2,491,305, Dec. 13.
 Regulator using transducers, Automatic. M. Böckman. 2,464,551, Mar. 15.
 Regulator with diaphragm type spring, Electric. C. J. Jenny and T. F. Pryor, III. 2,481,752, Sept. 13.
 Regulator with secondary source of potentials, Voltage. L. P. Paradise and W. F. Auerbacher. 2,484,724, Oct. 11.
 Reheater. G. B. Farkas and A. Y. Gunter. 2,476,031, July 12.
 Reheating and reshaping glass articles. P. L. Orr. 2,475,915, July 12.
 Reinforced plastic products, Making. D. Finlayson and H. Crawshaw. 2,482,164, Sept. 20.
 Reinforced thread-advancing reel. R. W. Stanley. 2,461,576, Feb. 15.
 Reinforcement for cots. B. V. Hoard. 2,464,863, Mar. 22.
 Reinforcing means for propeller blades, Rib. G. W. Brady. 2,458,975, Jan. 11.
 Reinforcing member. C. F. Ball. 2,477,682, Aug. 2.
 Reflector-blade wear-compensating-ring, for discharge of rotary beater mill. E. H. Smith and O. A. Johnson. 2,459,248, Jan. 18.
 Relay. G. C. Armstrong. 2,486,239, Oct. 25.
 Relay. A. W. Burks. 2,491,643, Dec. 20.
 Relay. R. A. Geiselman and W. H. Cuttino. 2,470,614, May 17.
 Relay. R. Hofgaard. 2,490,963, Dec. 13.
 Relay. G. M. Stapleton. 2,484,358, Oct. 11.
 Relay. A. W. Vincent. 2,461,360, Feb. 8.
 Relay. J. E. Willing and G. J. Johanek. 2,486,086, Oct. 25.
 Relay. J. M. Wilson. 2,471,181, May 24.
 Relay, Alternating current. M. Debrey. 2,484,934, Oct. 18.
 Relay and control, Sensitive. P. Sitzler. 2,476,329, July 19.
 Relay assembly, Interlock overload. T. Obszarny. 2,490,917, Dec. 13.
 Relay circuit. N. Garber. 2,483,408, Oct. 4.
 Relay circuit. H. H. Schwartz. 2,468,308, Apr. 26.
 Relay control means and starting means for gaseous lighting devices. P. Sitzler. 2,476,330, July 19.
 Relay device, Fluid transmission. G. D. Everington. 2,476,030, July 12.
 Relay distributing circuit. H. C. Harrison. 2,486,712, Nov. 1.
 Relay, Electric. O. I. Price. 2,462,894, Mar. 1.

- Relay, Electrical. A. E. Dodd. 2,475,662, July 12.
 Relay, Electromagnetic. E. A. Bryan. 2,458,247, Jan. 4.
 Relay, Electromagnetic. C. E. Rackley. 2,487,372, Nov. 8.
 Relay, Electromagnetic. F. E. Wood. 2,473,982, June 21.
 Relay, Electromagnetic mercury. J. P. Keating. 2,474,000, June 21.
 Relay, Electromagnetic nonchattering. H. D. Shaw. 2,488,441, Nov. 15.
 Relay, Electronic. E. B. McDowell and P. Juchter. 2,471,834, May 31.
 Relay, Electronic. E. R. Mickle. 2,482,553, Sept. 20.
 Relay, Electronic. J. Nigro. 2,490,457, Dec. 6.
 Relay for alternating-current systems, Protective. A. R. V. C. Warrington. 2,467,872, Apr. 19.
 Relay for fluorescent lamps, Glow starting. C. H. Hodgkins. 2,464,748, Mar. 15.
 Relay for fluorescent lamps, Starting. H. B. Shaper and C. V. Franks. 2,466,053, Apr. 5.
 Relay for liquid-filled electrical apparatus, Protecting. E. Gudmundsson. 2,470,553, May 17.
 Relay for the control of brakes, Load responsive. G. Levesque du Rostu. 2,490,641, Dec. 6.
 Relay, Frequency responsive. J. G. Abbott. 2,485,548, Oct. 25.
 Relay, Induction type time-delay. H. J. Carlin and B. V. Hoard. 2,482,463, Sept. 20.
 Relay mechanism, Electromagnetic. R. E. Hersey. 2,484,224, Oct. 11.
 Relay, Motor control. E. Pearson. 2,484,244, Oct. 11.
 Relay, Piezoelectric type switching. W. P. Mason. 2,471,967, May 31.
 Relay, Polar biased. O. S. Field. 2,491,098, Dec. 13.
 Relay, Polarized electromagnetic. C. F. Miller. 2,483,658, Oct. 4.
 Relay, Selective. G. Eannarino. 2,486,394, Nov. 1.
 Relay, Self-unlocking lockup. H. N. Staats. 2,458,311, Jan. 4.
 Relay, Shockproof electromagnetic. F. G. Logan. 2,481,431, Sept. 6.
 Relay station, Communication. R. M. Sprague, G. G. Bruck, and P. E. Volz. 2,477,428, July 26.
 Relay system. F. D. Snyder. 2,473,916, June 21.
 Relay system, Condenser fed plural. K. L. Curtis and L. R. Philpott. 2,466,689, Apr. 12.
 Relay system, Cutout. G. L. Webb. 2,469,092, May 3.
 Relay system, Radio. R. A. Berg. 2,477,570, Aug. 2.
 Relay system, Time delay electrical. W. H. Blankmeyer. 2,482,397, Sept. 20.
 Relay, Thermal. J. D. Bolesky. 2,471,924, May 31.
 Relay, Thermally controlled electric. E. C. Thomson. 2,489,391, Nov. 29.
 Relay, Three-phase transfer. K. Mahnke. 2,486,305, Oct. 25.
 Relay, Time-delay. W. J. Wickless. 2,488,842, Nov. 22.
 Relay, Vane type alternating current. W. K. Sonnemann. 2,488,443, Nov. 15.
 Relay, Vibrator. E. M. S. McWhirter. 2,485,624, Oct. 25.
 Relay, Voltage-responsive. H. E. Schleicher. 2,486,887, Nov. 1.
 Relay with contact multiplying movement, Electrical. J. M. High, Jr. 2,491,265, Dec. 13.
 Relay with shock and ambient temperature compensating means, Current responsive. H. E. Schleicher. 2,486,888, Nov. 1.
 Relaying system for polyphase circuits, Protective. S. L. Goldsborough. 2,462,179, Feb. 22.
 Relaying system, High-speed sequential. S. L. Goldsborough. 2,459,639, Jan. 18.
 Relaying system, Radio. H. H. Beverage. 2,487,513, Nov. 8.
 Releasable implement hook. H. N. Wright. 2,485,127, Oct. 18.
 Releasable lever operated switch. C. E. Elrick. 2,460,495, Feb. 1.
 Release coupling. C. N. Nicodemus and A. E. Gregg. 2,462,540, Feb. 22.
 Release device for parachute harnesses, Quick. J. W. Horning. 2,469,391, May 10.
 Release device, Parachute canopy. J. W. Horning. 2,481,116, Sept. 6.
 Release for kites, Parachute. V. C. Coyne and J. W. Stuart. 2,471,199, May 24.
 Release for pendulum arms of testing machines, Pawl. R. W. Rogers and C. C. Blanch. 2,459,134, Jan. 11.
 Release for power presses, Overload. J. Muller. 2,485,009, Oct. 18.
 Release for toy guns, Electric. C. Jones. 2,474,054, June 21.
 Release mechanism, Aircraft. B. S. Mill. 2,475,978, July 12.
 Releasing mechanism for a power take-off. K. W. Couse. 2,480,555, Aug. 30.
 Release mechanism for articulated lever wrenches. S. M. Kash. 2,489,895, Nov. 29.
 Release mechanism for parachutes, Automatic load. E. Hrabal. 2,489,709, Nov. 29.
 Release mechanism, Overload. H. C. Nissen. 2,484,793, Oct. 11.
 Release mechanism, Parachute. M. E. Bâncora. 2,470,457, May 17.
 Release mechanism, Pressure. C. C. Kinker. 2,482,346, Sept. 20.
 Release mechanism, Standing valve. E. M. Roark. 2,459,003, Jan. 11.
 Releaser, Fishhook. T. Raisanen. 2,491,763, Dec. 20.
 Releaser, Milker. F. G. Hodsdon. 2,488,725, Nov. 22.
 Releasing device, Sinkers. H. Merritt. 2,488,475, Nov. 15.
 Releasing means, Load. J. C. Rumsey. 2,489,819, Nov. 29.
 Releasing mechanism for power take-offs. K. W. Couse. 2,458,255, Jan. 4.
 Releasing mechanism for power transmitting systems, Overload. E. E. Landahl. 2,464,590, Mar. 15.
 Releasing mechanism for time fuses. R. H. Whitehead. 2,461,793, Feb. 15.
 Relief device for starting engines, Compression. C. C. Castillo. 2,460,338, Feb. 1.
 Relief valve. L. E. Grosboll. 2,486,644, Nov. 1.
 Relief valve. F. C. Haberland. 2,477,247, July 26.
 Relief valve. J. P. Johnson. 2,481,018, Sept. 6.
 Relief valve. H. Kirkham. 2,468,079, Apr. 26.
 Relief valve. G. L. Moore. 2,475,851, July 12.
 Relief valve. F. W. Schneek. 2,472,049, May 31.
 Reminder device. P. A. Bucky. 2,463,514, Mar. 8.
 Remote control. R. Alkan. 2,473,464, June 14.
 Remote-control apparatus. H. L. Blum. 2,461,407, Feb. 8.
 Remote-control apparatus, Electrically actuated. A. R. E. Arnot. 2,467,454, Apr. 19.
 Remote-control apparatus with automatic limit provision. M. N. Yardeny. 2,476,017, July 12.
 Remote control arrangement. C. T. Scully. 2,462,134, Feb. 22.
 Remote-control device, Electronic. J. R. Desch and E. V. Gulden. 2,467,257, Apr. 12.
 Remote control for reversing reciprocatory table drives. H. L. Brump. 2,486,107, Oct. 25.
 Remote control for vending machines and the like. F. S. Wright. 2,486,698, Nov. 1.
 Remote-control means for valves. D. G. Griswold. 2,474,355, June 28.
 Remote-control mechanism. A. McMillan. 2,480,083, Aug. 23.
 Remote control of outboard motor throttle. V. L. Eder and A. E. Akeret. 2,492,213, Dec. 27.
 Remote-control or indicating system, Electric. W. Jones. 2,472,535, June 7.
 Remote-control system. I. F. Cadman. 2,460,336, Feb. 1.
 Remote-control system. W. A. Derr. 2,484,208, Oct. 11.
 Remote control system. P. K. Eckhardt. 2,492,399, Dec. 27.
 Remote-control system. H. G. Evers. 2,477,241, July 26.
 Remote control system. H. G. Evers. 2,477,973, Aug. 2.
 Remote control system. C. M. Gilbert. 2,486,357, Oct. 25.
 Remote-control system. D. A. Heisner. 2,474,527, June 28.
 Remote-control system. H. A. Stamper. 2,471,843, May 31.
 Remote-control system. A. J. Wohlgenuth. 2,462,343, Feb. 22.
 Remote-control system. H. S. Young. 2,460,337, Feb. 1.
 Remote-control system, Electric. J. M. Roberts. 2,475,461, July 5.
 Remote-control system for selectively controlling a plurality of adjustable elements. D. R. Goddard. 2,474,663, June 28.
 Remote control system, particularly for arc welding. F. Rimmington. 2,487,375, Nov. 8.
 Remote control valve. J. H. Derby. 2,473,867, June 21.
 Remote position controlling apparatus. R. Bernas. 2,475,217, July 5.
 Removable core lock. J. P. Andrew. 2,460,615, Feb. 1.
 Removable drilling bit. C. C. Koeln. 2,472,710, June 7.
 Removable guide pin. N. M. Marsilius. 2,488,214, Nov. 15.
 Removal of acidic material from a gaseous mixture. C. O. Meyers. 2,487,576, Nov. 8.
 Removal of catalyst impurities from regenerated catalyst. R. A. Forrester. 2,488,718, Nov. 22.
 Removal of cinder from metallurgical furnaces, etc. M. T. Relling and T. A. Zsomboky. 2,492,924, Dec. 27.
 Removal of dung, Mechanical. L. G. Bergman. 2,491,245, Dec. 13.
 Removal of fluff and dust in circular looms. V. M. J. Ancet. 2,480,690, Aug. 30.
 Removal of histamine-like impurities from streptomycin. J. C. Sheehan and M. Tishler. 2,480,611, Aug. 30.
 Removal of hydrogen halide from halogenated compounds. E. E. Fleck and H. L. J. Haller. 2,467,123, Apr. 12.
 Removal of lead and zinc from copper ammonium salt solutions. H. C. Kenny and L. C. Klein. 2,488,201, Nov. 15.
 Removal of mercaptans from petroleum distillates with an aqueous alkaline reagent containing lignin and the regeneration of the spent alkaline reagent. R. R. Hibbard and F. Veatch. 2,464,576, Mar. 15.
 Removal of resin from metal, Electrolytic. M. Frager and H. Iserson. 2,480,845, Sept. 6.
 Removal of surface moisture from wet articles. C. D. Cothran. 2,472,794, June 14.
 Removal of waste yarn from bobbins and the like. R. W. Lindsay. 2,482,654, Sept. 27.
 Remover, Airfoil ice. W. A. Pulver. 2,471,894, May 31.
 Remover, Automatic scale. J. J. McBride. 2,466,644, Apr. 5.
 Remover, Bottle cap. A. Di Geronimo. 2,461,040, Feb. 8.
 Remover, Bushing. S. Greene. 2,487,331, Nov. 8.
 Remover, Cork. W. J. Hines. 2,458,778, Jan. 11.
 Remover, Fishhook. J. D. Mundy. 2,469,699, May 10.
 Remover for friction type jar caps. L. H. Campos. 2,483,456, Oct. 4.

- Remover for looms, Pneumatic thread. G. N. Peterson. 2,475,987, July 12.
- Remover, Inlay. F. R. Pofcher. 2,488,036, Nov. 15.
- Remover, Lever type jar cap. J. E. Hughes. 2,483,830, Oct. 4.
- Remover, Paraffin. H. N. Stamos. 2,475,160, July 5.
- Remover, Pinfeather. C. A. Schriener. 2,468,689, Apr. 26.
- Remover, Shoe stitch. A. Barbagallo. 2,472,643, June 7.
- Remover, Slag. C. D. Burns. 2,463,595, Mar. 8.
- Remover, Snow. H. Schmitz. 2,474,759, June 28.
- Remover, Staple. W. E. de Generes. 2,481,647, Sept. 13.
- Remover, Staple. W. Schaefroth and G. M. Beal. 2,470,726, May 17.
- Remover, Vegetable and fruit eye. J. T. White. 2,464,164, Mar. 8.
- Remover, Wheel. F. Hink. 2,489,413, Nov. 29.
- Removing alcohol-soluble stains from fabrics. A. W. Miller. 2,466,039, Apr. 5.
- Removing anions from fluid media. J. R. Dudley. 2,485,485, Oct. 18.
- Removing carbon monoxide from gaseous mixtures, Method and apparatus for. R. M. Reed. 2,487,981, Nov. 15.
- Removing dust from leather. J. G. Hollick. 2,482,775, Sept. 27.
- Removing electroscopic powder from an electrophotographic plate. H. E. Copley. 2,484,782, Oct. 11.
- Removing embedded material. A. A. Holfelder. 2,490,302, Dec. 6.
- Removing entrained gaseous fluids from solids. H. Z. Martin. 2,458,866, Jan. 11.
- Removing excess liquid from filamentary material. H. J. McDermott. 2,460,390, Feb. 1.
- Removing ferrous and other particles from liquid, Automatically. A. Scrivener. 2,459,343, Jan. 18.
- Removing kernels from corn cobs, Method of and apparatus for. C. G. Ewertz. 2,477,445, July 26.
- Removing mercaptans. J. A. Bolt. 2,457,975, Jan. 4.
- Removing random fluctuations from intensity measurements, Method and apparatus for. C. J. Gibbs and J. H. Stein. 2,469,383, May 10.
- Removing scale. F. W. Grewin and S. G. Lindberg. 2,490,750, Dec. 6.
- Removing shine from fabrics. R. H. McKee. 2,459,236, Jan. 18.
- Removing soluble salts from photographic emulsions. S. S. Fierke. 2,481,650, Sept. 13.
- Removing tooth restorations. S. L. Border. 2,464,289, Mar. 15.
- Removing ultimate moisture from powdered products. A. C. Beardslee. 2,465,963, Mar. 29.
- Rendering anionic coating materials adherent to anionic bases. H. H. Latham and J. R. Morton. 2,468,086, Apr. 26.
- Rendering cellulosic textile material transparent and products therefrom. E. Weiss. 2,466,066, Apr. 5.
- Rendering materials water-repellent. M. E. Thayer. 2,474,704, June 28.
- Rendering noncorrosive the products resulting from catalytic alkylation. E. L. d'Ouville. 2,478,900, Aug. 16.
- Renewal electric fuse plug. E. Meltzer. 2,483,018, Sept. 27.
- Renewing machine, Garment. C. G. MacBride. 2,487,568, Nov. 8.
- Rennet paste, Manufacture of. E. C. Scott and G. W. McDonald. 2,482,520, Sept. 20.
- Repair device for inner tire tubes and other pliable articles. N. Stevens. 2,475,714, July 12.
- Repair device, Tire casing. N. Stevens. 2,471,359, May 24.
- Repair plate, Truck tube. B. Goodman. 2,483,538, Oct. 4.
- Repair unit, Pipe. W. V. Brooks. 2,478,684, Aug. 9.
- Repairing cracked hollow metallic bodies. D. A. Mercer. 2,482,925, Sept. 27.
- Repairing method, Watch. D. H. Hamel. 2,483,765, Oct. 4.
- Repairing water pipes and equipment for use therein. T. N. Young and E. G. B. Gledhill. 2,483,082, Sept. 27.
- Repeat device for automatic phonographs. S. A. Stolberg. 2,473,829, June 21.
- Repeater, Antisignaling gain controlled. R. H. Herrick. 2,472,211, June 7.
- Repeater for submarine electric cables. M. van Hasselt. 2,471,465, May 31.
- Repeater fuse switch. C. A. Fox. 2,464,299, Mar. 15.
- Repeater, Impulse correcting. C. Gillings and C. E. Beale. 2,475,546, July 5.
- Repeater, Impulse correcting. C. E. Lomax and R. W. Jones. 2,487,252, Nov. 8.
- Repeater, Regenerative. J. L. Hurault. 2,468,556, Apr. 26.
- Repeater, Start-stop regenerative. P. Pelle. 2,474,490, June 28.
- Repeater, Submarine cable. E. W. Smith and R. W. Presswell. 2,471,046, May 24.
- Repeater system, Multiway regenerative. K. E. Fitch. 2,481,919, Sept. 13.
- Repeater, Telegraph. R. B. Hearn and J. A. Krecek. 2,476,804, July 19.
- Repeater, Two-way regenerative. L. M. Potts. 2,471,891, May 31.
- Repeater, Universal telegraph. R. B. Hearn and C. B. Suthiff. 2,466,891, Apr. 12.
- Repeated submarine signaling cable. W. K. Weston. 2,471,468, May 31.
- Repellent, Insect. S. I. Gertler. 2,469,228, May 3.
- Repellent, Shark. R. L. Tuve, J. M. Fogelberg, F. E. Brinnick, and H. S. Springer. 2,453,540, Jan. 11.
- Reperforator. J. A. Spencer, T. J. Merson, and L. A. Thomas. 2,492,503-4, Dec. 27.
- Replacement door handle. L. P. Roy. 2,461,085, Feb. 8.
- Replacement handle. L. J. Vesper. 2,469,705, May 10.
- Replacing water-cooled arches, Method and apparatus for. J. S. Konrad. 2,491,985, Dec. 20.
- Replenishment of electrodes in electric salt bath structures, Continuous. R. C. Upton. 2,464,008, Mar. 8.
- Reproducer for hill and dale and lateral cut phonograph records. M. F. Royston. 2,492,186, Dec. 27.
- Reproducer, Magnetically shielded electrodynamic sound. W. E. Gilman. 2,458,158, Jan. 4.
- Reproducer using endless tape records, Magnetic. W. A. Munson. 2,468,224, Apr. 26.
- Reproducing apparatus. J. M. Tyrner. 2,459,253, Jan. 18.
- Reproducing diagrams, designs, and the like. W. Swartz. 2,467,242, Apr. 12.
- Reproducing stylus, Electrical. R. A. Fryklund. 2,470,244, May 17.
- Reproducing system, Frequency modulation. C. M. Sennett. 2,481,886, Sept. 13.
- Reproduction of angular magnetic recording, Method and apparatus for. D. E. Sunstein. 2,458,315, Jan. 4.
- Reproduction system, Sound. W. J. Zenner. 2,458,043, Jan. 4.
- Repulsion synchronous motor. H. E. Warren. Re. 23,155, Oct. 11.
- Repulsion synchronous motor. H. E. Warren. 2,474,797, June 28.
- Rerecording system, Magnetic-photographic. D. L. O'Dea. 2,485,839, Oct. 25.
- Re-recording system, Reverse. L. Thompson. 2,466,186, Apr. 5.
- Reservoir and accumulator in a hydraulic pump and motor transmission system, Combined. T. R. Spalding and H. C. Schroeder. 2,492,014, Dec. 20.
- Reservoir and applicator for calking compounds. P. C. Battenfeld. 2,478,078, Aug. 2.
- Reservoir for the storage of liquefied gases, Underground. A. N. Kerr. 2,459,227, Jan. 18.
- Reservoir, Gas. P. S. Graver. 2,471,270, May 24.
- Reservoir, Oil. G. M. Arragg. 2,476,575, July 19.
- Residue carboxylic acid-alkylene diamine resins. C. H. McKeever. 2,471,230, May 24.
- Resilient body support. J. N. Rylen. 2,466,279, Apr. 5.
- Resilient car wheel. E. B. Hudson. 2,477,874, Aug. 2.
- Resilient connection. T. A. Te Grotenhuis. 2,468,311, Apr. 26.
- Resilient connection and making same. A. S. Krotz. 2,468,985, May 3.
- Resilient expandable buckle mounting. L. H. Easlick. 2,486,356, Oct. 25.
- Resilient idler unit, Renewable. A. Searles. 2,484,752, Oct. 11.
- Resilient insert strip for drop seat garments. E. Eschelbacher. 2,485,268, Oct. 18.
- Resilient jaw type fastener. P. Pensabene. 2,464,414, Mar. 15.
- Resilient motor mounting. W. J. Morris, Jr. 2,478,704, Aug. 9.
- Resilient mounting. G. H. Kaemmerling. 2,478,108, Aug. 2.
- Resilient mounting. L. M. Kaubagh. 2,459,741, Jan. 18.
- Resilient mounting. H. C. Lord. 2,467,759, Apr. 19.
- Resilient seat. H. C. Flint. 2,476,820, July 19.
- Resilient stop and position limiting means for circuit interrupters. J. Sandin and T. Lindstrom. 2,492,009, Dec. 20.
- Resilient target. R. L. Barker. 2,482,234, Sept. 20.
- Resilient unit for bed springs, chairs, and the like. A. M. Holtzman. 2,485,199, Oct. 18.
- Resilient wheel. R. J. Burrows and A. O. Williams. 2,470,885, May 24.
- Resilient wheel. P. E. Cholet. 2,476,835, July 19.
- Resilient wheel. B. Ferrar. 2,465,640, Mar. 29.
- Resilient wheel. J. M. MacLean. Re. 23,161, Oct. 25.
- Resilient wheel. T. A. Purvis. 2,458,300, Jan. 4.
- Resilient wheel. A. R. Schulze. 2,464,102, Mar. 8.
- Resilient wheel. A. R. Schulze. 2,480,512, Aug. 30.
- Resilient wheel. T. Zintsmaster. 2,476,173, July 12.
- Resiliently mounted drop bottom mine car. H. H. Panake. 2,482,503, Sept. 20.
- Resin adhesive, Synthetic. J. F. Murphy and R. Omdahl. 2,486,756, Nov. 1.
- Resin composition. F. J. Soday. 2,468,413, Apr. 26.
- Resin compositions, Forming granulated synthetic. L. Smidth. 2,461,089, Feb. 8.
- Resin compositions, Plasticized. J. T. Gregory. 2,485,281, Oct. 18.
- Resin compositions, Synthetic. N. C. Foster. 2,484,215, Oct. 11.
- Resin for low-pressure paper base laminates and wood surfacing. D. G. Patterson. 2,486,201, Oct. 25.
- Resins from tar acids and oils obtained from coal tar distillates, Manufacture of. H. L. Allen and E. G. Kerr. 2,492,677, Dec. 27.
- Resins from thiophene and turpentine. G. C. Johnson. 2,490,270, Dec. 6.
- Resin, Ion-exchange. E. I. Luaces. 2,460,516, Feb. 1.

- Resin-oil compositions. R. S. Daniels and W. R. Catlow, Jr. 2,463,023, Mar. 1.
- Resin oils with mixed clay and organic acid catalyst, Polymerization of. D. F. Gould. 2,460,692, Feb. 1.
- Resin, Pitch. H. R. Batchelder. 2,462,593, Feb. 22.
- Resin plasticized with ester of organic sulfonic acid, Polysulfone. G. E. Eilerman. 2,474,350, June 28.
- Resin, Production and use of synthetic. R. G. Booty. 2,462,252-3, Feb. 22.
- Resin saturated sheet and making the same, Rubber coated. E. R. Dillehay. 2,464,783, Mar. 22.
- Resin-wax composition. D. Schoenholz and L. Kresser. 2,482,070, Sept. 13.
- Resins and conductors insulated therewith. H. F. Minter. 2,462,209, Feb. 22.
- Resins and making same, Carboxylated. M. J. Hunter and W. C. Bauman. 2,471,818, May 31.
- Resins and producing same, Synthetic. R. L. Meier and W. E. Elwell. 2,469,295, May 3.
- Resins and producing the same, Anion active. J. R. Dudley. 2,469,684, May 10.
- Resins comprising copolymers of unsaturated metal esters with liquid polymerizable monomers, Synthetic. N. C. Foster. 2,484,216, Oct. 11.
- Resins containing aminoalkoxy substituents, Urea. R. W. Auten. 2,471,188, May 24.
- Resins derived by reacting a cresol-formaldehyde condensate with a monohydric alcohol ester of rosin, Synthetic. W. D. Jones. 2,459,651, Jan. 18.
- Resins derived from acrylonitrile adducts, Synthetic. J. R. Dudley. 2,473,498, June 21.
- Resins, Modified, urea-formaldehyde. J. D. Robinson. 2,476,065, July 12.
- Resins, Onium-catalyzed phenolic. J. L. Brannon. 2,475,005, July 5.
- Resins, Phenolic. H. L. Bender and A. G. Farnham. 2,475,587, July 12.
- Resins plasticized with ether alcohol ester, Polystyrene type. F. J. Soday. 2,475,299, July 5.
- Resins plasticized with polyesters, Thermosetting. H. P. Wohnsiedler. 2,479,090, Aug. 16.
- Resins prepared from alkylene polyamines and hydroxy-substituted aliphatic polyhalides, Anion active. L. A. Lundberg. 2,469,693, May 10.
- Resins, Preparation of infusible. J. K. Simons. 2,480,514, Aug. 30.
- Resins with the aid of aluminum alkoxide, Production of organopolysiloxane. A. J. Barry. 2,460,799, Feb. 8.
- Resinous compositions. F. C. Schaefer. 2,481,155, Sept. 6.
- Resinous compositions and preparing same. D. E. Edgar. 2,482,252, Sept. 20.
- Resinous compositions and use thereof in forming electrical members and laminated products. N. C. Foster. 2,482,086, Sept. 20.
- Resinous condensates from polyamines and aldehyde-carboxylic acids. H. A. Bruson and W. D. Niederhauser. 2,489,366, Nov. 29.
- Resinous copolymers of styrene and 2,5,2',5'-tetrachloro-4,4'-divinyl-biphenyl. F. Rosenthal. 2,465,122, Mar. 22.
- Resinous esters, Depolymerized copal-like. W. Krumbhaar. 2,471,629, May 31.
- Resinous esters of higher fatty acids with pentaerythritols and making. J. A. Wyler. 2,462,046, Feb. 15.
- Resinous interpolymers. D. T. Mowry. 2,475,150, July 5.
- Resinous molding powders, Preparing. M. Sans and R. Michon. 2,467,055, Apr. 12.
- Resinous products from acetylene and secondary and tertiary alkyl phenols, Producing. A. O. Zoss. 2,459,137, Jan. 11.
- Resistance apparatus for converting mechanical movement into electrical pulses. L. L. Helterline, Jr. 2,472,770, June 7.
- Resistance brazing, Electrical. C. M. Anderson. 2,480,351, Aug. 30.
- Resistance device, Thermal responsive. F. R. Quinn. 2,484,585, Oct. 11.
- Resistance element, Electric. E. J. W. Verwey, P. W. Haayman, and A. Zol. 2,475,864, July 12.
- Resistance element for rheostats and potentiometers. D. T. van Alen. 2,468,144, Apr. 26.
- Resistance element, Nonlinear. D. T. Van Alen. 2,487,839, Nov. 15.
- Resistance elements, Manufacturing. A. A. Padmos and E. J. W. Verwey. 2,468,458, Apr. 26.
- Resistance unit and making same. W. M. Kohring. 2,487,057, Nov. 8.
- Resistance unit, Lamella. S. A. Bocking. 2,482,316, Sept. 20.
- Resistance welding aluminum to steel, and product thereof. T. Redmond. 2,481,614, Sept. 13.
- Resistance welding, Electric. A. Meyer. 2,487,462, Nov. 8.
- Resistance welding of hard to weld metals, particularly for finned tubing, Electric. E. A. Schryber. 2,481,626, Sept. 13.
- Resistive device. C. J. Ganci. 2,477,121, July 26.
- Resistively marked heating element and making same. D. E. Marsh. 2,487,064, Nov. 8.
- Resistor, Adjustable. V. E. Payne. 2,481,682, Sept. 13.
- Resistor and making same. A. M. Feller. 2,470,153, May 17.
- Resistor and making same, Electrical. T. R. Palumbo. 2,487,581, Nov. 8.
- Resistor and spark plug embodying same. T. G. McDougal, K. Schwartzwalder, and A. S. Rulka. 2,459,282, Jan. 18.
- Resistor, Electrical. T. Holmes. 2,470,352, May 17.
- Resistor element for temperature measurements, Flush type. K. M. Lederer. 2,463,984, Mar. 8.
- Resistor, Fluid cooled. B. L. Schoenfeld and A. A. Foley. 2,491,876, Dec. 20.
- Resistor for lamp sockets, Electrical. L. Sokoloff. 2,463,816, Mar. 8.
- Resistor for thermogauges. K. Schwartzwalder, A. S. Rulka, and R. W. Smith. 2,480,166, Aug. 30.
- Resistor having distortion protected connecting means. C. B. Green and R. L. Rulison. 2,489,409, Nov. 29.
- Resistor, High-frequency. H. E. Webber. 2,468,793, May 3.
- Resistor, High-voltage. J. G. Crockett. 2,466,211, Apr. 5.
- Resistor, Humidity responsive. A. B. Dember. 2,481,728, Sept. 13.
- Resistor, Liquid cooled. M. J. Neuman. 2,491,872, Dec. 20.
- Resistor, Metallic oxide. H. Christensen and J. J. Kleimack. 2,462,162, Feb. 22.
- Resistor, Multiple coil wound. A. L. Livera. 2,464,820, Mar. 22.
- Resistor of the tubular type, Adjustable. D. F. Hastings and R. H. Winkler. 2,473,246, June 14.
- Resistor, Precision. S. A. Holmqvist. 2,463,384, Mar. 1.
- Resistor, Pressure responsive electrical. H. Hurvitz. 2,472,214, June 7.
- Resistor, Temperature-stable molded. M. L. Barfield and J. J. Gurtowski. 2,472,801, June 14.
- Resistor, Variable. V. E. Payne. 2,484,117, Oct. 11.
- Resistor, Variable compound. J. T. Beechlyn. 2,473,409, June 14.
- Resistor, Variable electrical. E. L. Straub and A. E. C. Bennett. 2,458,314, Jan. 4.
- Resistors, Making insulated. H. G. Thomson. 2,471,592, May 31.
- Resolution of constant boiling mixtures of chlorosilanes. P. A. Di Giorgio and A. E. Newkirk. 2,485,366, Oct. 18.
- Resolution of tar bases. B. F. Herr, Jr. 2,489,884, Nov. 29.
- Resonant cavity, Conformal grating. A. G. Fox. 2,476,034, July 12.
- Resonant spark plug. O. T. McIlvaine. 2,461,168, Feb. 8.
- Resonating system, Automatic motor-controlled. P. K. Myhre. 2,476,897, July 19.
- Resonator. A. E. Bowen. 2,492,680, Dec. 27.
- Resonator and wave guide apparatus, Coupled cavity. A. E. Bowen. 2,458,556, Jan. 11.
- Resonator apparatus. W. W. Hansen and R. H. Varian. 2,460,288, Feb. 1.
- Resonator, Cavity. H. M. Bach. 2,463,472, Mar. 1.
- Resonator, Cavity. D. E. Branson. 2,477,232, July 26.
- Resonator, Cavity. W. A. Edson. 2,465,639, Mar. 29.
- Resonator device, Concentric line cavity. D. Alpert. 2,482,452, Sept. 20.
- Resonator, Electrical cavity. G. L. Usselman. 2,487,619, Nov. 8.
- Resonator, High-frequency. M. R. Hubbard. 2,462,639, Feb. 22.
- Resonator of the magnetron type, Electromagnetic. R. A. Heising. 2,474,898, July 5.
- Resonator, Radiating electromagnet. W. W. Hansen and R. H. Varian. 2,460,286-7, Feb. 1.
- Resonator, Tunable cavity. F. A. Record. 2,463,423, Mar. 1.
- Resonator, Variable cavity. J. T. Beechlyn. 2,473,777, June 21.
- Resorcinol and formaldehyde condensation. A. Malashevitz. 2,488,495, Nov. 15.
- Respirator. C. C. Wilm. 2,490,395, Dec. 6.
- Respirator apparatus. F. H. Terhaar. 2,480,980, Sept. 6.
- Respirator, Artificial. T. C. Huxley, III. 2,466,108, Apr. 5.
- Respirator, Artificial. A. R. Meister. 2,486,667, Nov. 1.
- Respiratory device, High-temperature. W. G. Luttge and F. T. Williams. 2,487,156, Nov. 8.
- Responsive device, Magnetic field. R. G. Rowe. 2,474,693, June 28.
- Responsive device, Pressure. S. Crum. 2,485,433, Oct. 18.
- Responsive device, Speed. L. J. Bulliet. 2,481,196, Sept. 6.
- Responsive device, Variable current thermal. R. M. Bennett. 2,476,022, July 12.
- Responsive mechanism, Pressure. H. Hermann. 2,475,894, July 12.
- Responsive system, Moisture. C. B. Spangenberg. 2,484,594, Oct. 11.
- Rest. M. B. Morrison. 2,478,497, Aug. 9.
- Rest, Adjustable back or head. P. Billet, and I. Levy. 2,474,814, July 5.
- Rest, Electric iron. I. J. Kopel. 2,486,604, Nov. 1.
- Rest, Foot and leg. G. E. Starnes. 2,481,050, Sept. 6.
- Rest for centerless grinders, Work. H. R. Herbst. 2,464,246, Mar. 15.
- Rest for ironing boards, Sadiron. L. A. Willens. 2,482,957, Sept. 27.
- Rest for musical instruments, Shoulder. G. N. Humphrey. 2,483,052, Sept. 27.
- Rest for violins, Chin. W. Halko. 2,486,646, Nov. 1.

- Rest for X-rays, Body member. L. A. Scarpellino. 2,478,597, Aug. 9.
- Rest, magazine support, and bookholder, Combined. A. J. Gore. 2,481,107, Sept. 6.
- Rest, Oar. E. J. Scheckel. 2,476,116, July 12.
- Rest, Retractable leg. A. B. Bell and W. Staveley. 2,484,803, Oct. 18.
- Rest, Telephone receiver. R. Fisher. 2,484,450, Oct. 11.
- Rest, Telephone shoulder. E. S. Scarlett. 2,486,438, Nov. 1.
- Rest, Violin. S. T. Mills. 2,489,101, Nov. 22.
- Rest, Violin shoulder. B. R. Nyhagen. 2,489,321, Nov. 29.
- Restaurant equipment, Automatic. R. L. Trimble. 2,489,732, Nov. 29.
- Restraining device. C. F. and M. M. Messina. 2,459,712, Jan. 18.
- Restraining device, Cattle. H. Flohr, Jr. 2,458,582, Jan. 11.
- Resurfacing tool. J. E. Giles. 2,472,374, June 7.
- Resuscitator. J. H. Emerson and G. J. Sinnett. 2,473,416, June 14.
- Resuscitator. M. H. Goodner. 2,483,698, Oct. 4.
- Retacking machine. V. E. Zackerson. 2,478,353, Aug. 9.
- Retainer. F. A. Jimerson. 2,474,360, June 28.
- Retainer and beam, Brakehead. R. Bedell. 2,485,804, Oct. 25.
- Retainer for deep well pumps, Intermediate bearing. C. D. Bower. 2,465,425, Mar. 29.
- Retainer for draft keys, Pin. O. E. Wilson and W. H. Sale. 2,477,535, July 26.
- Retainer for firearms, Operating spring. C. E. Simpson. 2,476,328, July 19.
- Retainer for fluid seals. C. E. Schmitz. 2,474,123, June 21.
- Retainer for journal boxes on railway cars, Packing. O. E. Wilson and W. H. Sale. 2,492,724, Dec. 27.
- Retainer for journal boxes, Packing. M. Lagreid and J. H. McGuire. 2,461,287, Feb. 8.
- Retainer for loom shuttles, Cop. E. Green. 2,484,380, Oct. 11.
- Retainer for men's hats, Hat shape. H. G. Boyle. 2,492,264, Dec. 27.
- Retainer for percussive tools, Tool. P. H. Nast. 2,489,923, Nov. 29.
- Retainer for spectacles. E. E. Pendleton. 2,481,946, Sept. 13.
- Retainer for use with concrete pavement forms, Dowel. C. Bean. 2,489,851, Nov. 29.
- Retainer, Garbage. H. C. Orchard. 2,491,515, Dec. 20.
- Retainer, Gun sling keeper. H. L. Gebler. 2,480,129, Aug. 30.
- Retainer, Key. S. Segal. 2,481,787, Sept. 13.
- Retainer, Nursing bottle. H. Siegel. 2,485,461, Oct. 18.
- Retainer or barrette, Hair. O. Soergel. 2,475,998, July 12.
- Retainer, Packing. C. T. Ripley. 2,460,031, Jan. 25.
- Retainer, Pipe-joint. D. B. Grable. 2,479,740, Aug. 23.
- Retainer, Resilient spring plank. R. B. Cottrell. 2,484,783, Oct. 11.
- Retainer, Shockproof watch bearing. J. Widmer-Steiner. 2,489,552, Nov. 29.
- Retainer, Toolhead. S. N. Rosengren. 2,470,865, May 24.
- Retainer washer device. E. C. Crowther. 2,492,115, Dec. 20.
- Retainers, Making ball bearing. H. N. Parsons. 2,480,258, Aug. 30.
- Retaining device. C. M. Carington and W. J. Pickett. 2,487,098, Nov. 8.
- Retaining device, Hook. H. C. Earnest. 2,487,428, Nov. 8.
- Retaining device, Tire valve. R. Gouirand. 2,475,451, July 5.
- Retaining means for closure caps. W. B. Johnson. 2,468,758, May 3.
- Retaining means for spindle adapters. J. J. Pichette. 2,488,879, Nov. 22.
- Retaining means for toolheads. V. Iavarone. 2,483,906, Oct. 4.
- Retaining ring. N. P. Darash. 2,476,586, July 19.
- Retaining ring. R. Feitl. 2,491,306, Dec. 13.
- Retaining ring. H. Heimann. 2,491,310, Dec. 13.
- Retarder, Aerodynamic. L. J. Devlin and E. H. Heine-mann. 2,461,967, Feb. 15.
- Retarder, Corrosion. J. T. Rucker. 2,459,119, Jan. 11.
- Retarder for automatic firearms, Hammer. J. C. Garand. 2,459,158, Jan. 18.
- Retarder mechanism, Thermal. C. M. Osterheld. 2,475,291, July 5.
- Retarding growth of microorganisms in light alcoholic beverages. G. H. Coleman and P. A. Wolf. 2,474,229, June 28.
- Retarding mechanism. H. Slavin. 2,473,397, June 14.
- Retarding mechanism, Railway car. L. M. Showers. 2,486,332, Oct. 25.
- Reticule, Adjustable. D. T. Street. 2,479,789, Aug. 23.
- Reticule, Self-luminous. R. E. Reardon. 2,490,091, Dec. 6.
- Reticule for firearm telescopes. T. W. Stein. 2,481,254, Sept. 6.
- Reticule for telescopes. M. E. Blumenstein. 2,463,739, Mar. 8.
- Retinoscope. W. N. Allyn. 2,464,547, Mar. 15.
- Retractable clothesline hanger. G. B. Carroll. 2,474,655, June 28.
- Retractable landing gear. E. E. Foster. 2,461,595, Feb. 15.
- Retractable landing gear. H. Longepierre. 2,467,898, Apr. 19.
- Retractable landing gear. R. Saulnier. 2,487,598, Nov. 8.
- Retractable landing gear. W. B. Westcott, Jr. 2,478,729, Aug. 9.
- Retractable nose wheel. W. B. Westcott, Jr. 2,467,064, Apr. 12.
- Retractable handle for motion-picture projector carriers. M. Gold. 2,481,106, Sept. 6.
- Retracting and braking system for aircraft landing gear, Combined. L. A. Majneri. 2,459,665, Jan. 18.
- Retracting device for kneeling benches. B. S. Bernhard. 2,460,791, Feb. 1.
- Retracting device for wheel excavators. W. Lehman. 2,492,159, Dec. 27.
- Retracting mechanism. R. F. Dreifke. 2,467,015, Apr. 12.
- Retracting type theater chair. J. J. Kenny. 2,492,099, Dec. 20.
- Retracting type theater chair. R. K. Merrill. 2,492,103, Dec. 20.
- Retracting type theater chair. M. K. Orton. 2,492,105-6, Dec. 20.
- Retracting type theater chair. M. K. Orton and A. C. Hoven. 2,492,107, Dec. 20.
- Retracting type theater chair. J. G. Prosser. 2,492,108, Dec. 20.
- Retracting type theater chair. J. G. and T. W. Prosser. 2,492,109-12, Dec. 20.
- Retracting type theater chair. J. J. Roman. 2,492,117-19, Dec. 20.
- Retracting type theater chair. J. J. Roman and M. K. Orton. 2,492,116, Dec. 20.
- Retractor, Adjustable. L. B. Newman. 2,475,857, July 5.
- Retractor, Automatic flap. A. P. Fontaine. 2,473,792, June 21.
- Retractor, Ironing cord. E. J. Brier and W. G. McCue. 2,462,464, Feb. 22.
- Retractor, Self-retaining abdominal. D. J. Wexler. 2,473,266, June 14.
- Retractor, Surgical. D. H. Levinthal. 2,492,489, Dec. 27.
- Retread for tires and making same, Antiskid. D. E. Crooker. 2,479,474, Aug. 16.
- Retriever apparatus, Flexible member. E. L. Monnot. 2,466,996, Apr. 12.
- Retriever, Bait. R. P. Brooks. 2,481,975, Sept. 13.
- Retriever, Bird. B. Miller. 2,471,231, May 24.
- Retriever, Golf ball. R. G. Douglass. 2,489,958, Nov. 29.
- Retriever, Golf ball. W. C. Sandor. 2,482,294, Sept. 20.
- Retriever, Fishing tackle. W. R. J. Wook. 2,479,448, Aug. 16.
- Retriever for firearms, Cartridge case. C. A. Perry. 2,476,904, July 19.
- Retriever for submerged articles. L. E. Perkins. 2,479,021, Aug. 16.
- Retrieving device, Fish bait. W. D. Thompson. 2,488,996, Nov. 22.
- Return playing-surface game apparatus. D. M. Gill. 2,482,336, Sept. 20.
- Returnable spectacle case. N. J. Patts. 2,467,984, Apr. 19.
- Reverberatory furnace. W. F. Sklenar. 2,470,728, May 17.
- Reverse cycle device. F. M. MacDougall. 2,486,608, Nov. 1.
- Reversible bearing. L. Doran. 2,474,728, June 28.
- Reversible circulation condenser. J. F. Grace. 2,460,499, Feb. 1.
- Reversible cycle heat pump. G. E. Clancy. 2,474,304, June 28.
- Reversible friction clutch wrench. L. E. Pratt. 2,469,572, May 10.
- Reversible hydraulic coupling. A. Lysholm. 2,474,586, June 28.
- Reversible induction motor. C. G. Kronmiller. 2,465,325, Mar. 22.
- Reversible internal gear pump. W. H. Wentling. 2,490,391, Dec. 6.
- Reversible ironing board cover. F. Galbraith. 2,464,570, Mar. 15.
- Reversible polarity generator. H. S. Jacobs and W. J. Cheronos. 2,490,629, Dec. 6.
- Reversible seat. G. C. Smith. 2,472,349, June 7.
- Reversible shell feeder. F. I. Rataiczak. 2,486,878, Nov. 1.
- Reversible wheel. W. H. Nordenson. 2,486,970, Nov. 1.
- Reversing and stop control for electric motors. B. A. Buss. 2,479,153, Aug. 16.
- Reversing control for electric motors. C. Z. Monroe and V. G. Smith. 2,466,180, Apr. 5.
- Reversing device, Oar. A. Gassmann. 2,480,013, Aug. 23.
- Reversing tool. C. R. Edwards. 2,462,478, Feb. 22.
- Revolutions counter actuator. C. K. Studley, Jr. 2,462,690, Feb. 22.
- Revolver. L. H. Palma. 2,465,815, Mar. 29.
- Revolving Christmas tree stand. A. N. Masone. 2,469,884, May 10.
- Revolving serving table. L. Crew. 2,459,017, Jan. 11.
- Rheostat. C. H. Burnell. 2,480,218, Aug. 30.
- Rheostat. L. K. Davis. 2,472,369, June 7.
- Rheostat. J. Youhouse. 2,477,711, Aug. 2.
- Rheostat control device. L. E. Aske. 2,470,968, May 24.

- Rheostat control for oil burners, Geared. M. D. Huston. 2,476,870, July 19.
- Rheostat device, Electrical. D. F. Hastings. 2,473,247, June 14.
- Rheostat, Foot pedal control. B. Eisenberg and O. B. Schwarz. 2,460,494, Feb. 1.
- Rheostat for welding. P. S. Greider. 2,472,205, June 7.
- Rheostat, Friction-free slider. C. W. Berthiez. 2,476,799, July 19.
- Rheostat, Liquid immersed. T. M. Gibson. 2,465,524, Mar. 29.
- Rheostat, Speed-responsive. F. P. Vacha. 2,460,246, Jan. 25.
- Rheostat structure and molding. H. Chanowitz. 2,479,557, Aug. 23.
- Rheostat with centrifugal operator. R. A. Felburg. 2,470,768, May 24.
- Rheostat with magnetic operator. P. S. Ramos. 2,467,497, Apr. 19.
- Rheostat with rotating arm. J. P. Smith, Jr. 2,465,940, Mar. 29.
- Rheostat with switch. J. G. Kunz, Jr. 2,469,924, May 10.
- Rheostat with switch. E. F. McDonald, Jr. 2,472,604, June 7.
- Rhodacrocyanine dyes and preparation. T. R. Thompson. 2,475,163, July 5.
- Rhodacyanine dyes and preparing the same. A. W. Anish. 2,490,572, Dec. 6.
- Rhodium alloy coatings and making same. P. T. and J. A. Smith. 2,461,933, Feb. 15.
- Ribbon. W. Whitehead. 2,467,449, Apr. 19.
- Ribbon and spool, Typewriter. H. J. Hart. 2,486,473, Nov. 1.
- Ribbon changing implement. E. Meyer. 2,481,767, Sept. 13.
- Ribbon feeding mechanism for typewriters. C. W. Brumhill. 2,479,669, Aug. 23.
- Ribbon, Inked. J. A. L. Möller. 2,492,811, Dec. 27.
- Ribitylaminobenzenes, Preparation of. L. A. Flexner and W. A. Schnyder. 2,477,560, Aug. 2.
- Riboflavin-amide, Fused. P. Stecher. 2,480,517, Aug. 30.
- Riboflavin, Producing. A. S. Phelps. 2,473,818, June 21.
- Riboflavin, Production of. A. S. Phelps. 2,473,817, June 21.
- Riboflavin, Recovery of. D. A. Legg and J. T. Cranmer. 2,464,243, Mar. 15.
- Riddle, Adjustable. W. F. Smith. 2,484,318, Oct. 11.
- Rifle. A. Blanton, O. H. and E. R. Howard. 2,482,398, Sept. 20.
- Rifle rocket missile. N. M. Hopkins. 2,470,489, May 17.
- Rig, Fishing. L. A. Hickson. 2,492,638, Dec. 27.
- Rig, Portable drilling. E. L. Alexander and A. W. Braithwaite. 2,472,999, June 14.
- Rigging ring. J. H. McClellan. 2,464,881, Mar. 22.
- Rigid rail construction for boats or the like. W. P. Carl, Jr. 2,484,687, Oct. 11.
- Rigidifying means for flexible endless tracks. P. H. Johnson and L. W. Tripp. 2,458,079, Jan. 4.
- Rim. C. W. Sinclair. 2,468,947, May 3.
- Rim attaching means. J. H. Ploehn. 2,474,956, July 5.
- Rim attaching means. E. L. Potter and E. D. Swenson. 2,476,766, July 19.
- Rim for tire recapping, Adjustable curing. L. E. Hodges. 2,480,578, Aug. 30.
- Rim, Separable. F. W. King. 2,472,328, June 7.
- Rim, Separable tire. R. and S. Clark. 2,479,314, Aug. 16.
- Rim, Split demountable. E. J. Burns, Jr. 2,488,762, Nov. 22.
- Rims for tires, Demountable. H. B. Boyer. 2,469,629, May 10.
- Ring: See—
- Auto tire chain ring.
 - Backing or chill ring.
 - Clamping ring.
 - Key ring.
 - Knitting finger ring.
 - Nonfouling breech sealing ring.
 - Piston packing ring.
 - Piston ring.
 - Retaining ring.
 - Rigging ring.
 - Slip ring.
 - Spinning ring.
 - Spring retaining ring.
 - Steel piston ring.
- Ring and groove therefor, Expansive. W. H. Hunter. 2,475,705, July 12.
- Ring and making same, Fusible. A. Pandolfi. 2,471,650, May 31.
- Ring and traveler, Spinning. H. E. Herr. 2,461,470, Feb. 8.
- Ring and traveler, Spinning. H. E. Herr. 2,461,546, Feb. 15.
- Ring and traveler, Twister. E. Roatta and A. Peysson-neux. 2,464,150, Mar. 8.
- Ring assembly, Collector. J. H. Baker. 2,471,808, May 31.
- Ring assembly, Retaining. H. Helmann. 2,487,802, Nov. 15.
- Ring box. S. Tylon. 2,466,624, Apr. 5.
- Ring-C unsaturated alpha-substituted side-chain steriod ketones and process. T. Reichstein. 2,479,966, Aug. 23.
- Ring cleavage of 4-carboxythiazolidine compounds. J. H. Hunter and B. E. Leach. 2,480,079, Aug. 23.
- Ring display holder. J. Michelson. 2,480,756, Aug. 30.
- Ring expander. N. K. Farmer. 2,477,446, July 26.
- Ring for filters, Continuous blow. F. W. Arnold. 2,476,942, July 19.
- Ring for metal containers, Clamping. J. J. Kojan and L. A. Witucky. 2,486,565, Nov. 1.
- Ring for pipe couplings, Sealing. J. J. Smith. 2,481,481, Sept. 6.
- Ring for pot type burners of the hydroxylating type, Combustion. B. Hayter and M. D. Huston. 2,470,699, May 17.
- Ring for rotary kilns, Sealing. F. A. Mertz. 2,461,754, Feb. 15.
- Ring-mute, Violin. I. Cleveland. 2,483,880, Oct. 4.
- Ring or expander for pistons, Inner. H. P. Phillips. 2,460,430, Feb. 1.
- Ring spinning frame. A. A. Worth and H. S. Adams. 2,461,952, Feb. 15.
- Ring traveler. H. G. Joseph. 2,470,932, May 24.
- Ringer having permanent magnet armature, Substation. S. R. Smith. 2,479,703, Aug. 23.
- Ringer mechanism, Hog. S. P. Callaway. 2,466,928, Apr. 12.
- Ring arrangement for electronic switching systems. D. H. Ransom. 2,492,179-80, Dec. 27.
- Ring device, Batteryless. W. J. Muldoon. 2,492,056, Dec. 20.
- Ring system for voice current repeaters. R. H. Her-rick. 2,491,263, Dec. 13.
- Rings, Twin finger. J. Gerson. 2,472,893, June 14.
- Rip cord and rip cord housing, Parachute. J. Miller. 2,491,511, Dec. 20.
- Ripper. C. A. Gustafson. 2,490,904, Dec. 13.
- Ripper, Seam. J. W. Dercole. 2,476,288, July 19.
- Ripper, Subsurface. R. G. Le Tourneau. 2,475,146, July 5.
- Ripping and polishing wire drawing dies, Method and apparatus for. G. Gargano. 2,465,867, Mar. 29.
- Rivet and making joints therewith. A. R. Havener. 2,465,534, Mar. 29.
- Rivet and making same, Plastic. E. A. Eakins. 2,458,152, Jan. 4.
- Rivet, Hydraulically expansible hollow. J. A. and F. M. Varney, and N. J. Holter. 2,492,605, Dec. 27.
- Rivet setting and removing tool. C. Lewis. 2,491,119, Dec. 13.
- Rivet setting machine, Automatically timed. T. J. Doyle. 2,488,902, Nov. 22.
- Rivet with undercut head, Hollow. E. E. Nofzinger. 2,492,590, Dec. 27.
- Riveted means for securing handles to tool blades. F. W. Juengst. 2,492,096, Dec. 20.
- Riveter, Compression. H. R. Fischer. 2,467,020, Apr. 12.
- Riveting. L. C. Huck. 2,466,811, Apr. 12.
- Riveting apparatus, Explosively actuated blind. R. Temple. 2,483,112, Sept. 27.
- Riveting machine. T. H. Speller and F. A. Pettis. 2,488,645, Nov. 22.
- Riveting machine, Automatic chain pin. F. J. Wright. 2,463,669, Mar. 8.
- Road building machine. A. E. Miller and E. A. C. Eick-staedt. 2,481,679, Sept. 13.
- Road engaging means for automobiles. A. J. Cawley. 2,461,719, Feb. 15.
- Road-sanding machine. L. E. Witter. 2,487,503, Nov. 8.
- Roadside stand. H. King. 2,480,412, Aug. 30.
- Roadside weed burner. A. S. and E. J. Lasseigne. 2,485,391, Oct. 18.
- Roadwheel assembly for automobiles, Emergency. F. C. Kember. 2,460,178, Jan. 25.
- Roaster, Electric. A. W. Gardes. 2,466,409, Apr. 5.
- Roaster furnace. N. K. Benos. 2,488,115, Nov. 15.
- Roaster, Marshmallow. S. Schmidt. 2,484,858, Oct. 18.
- Roasting method. A. S. Torres. 2,464,421, Mar. 15.
- Rock drill. P. A. Bancel, J. D. Ditson, and A. D. Karr. 2,459,484, Jan. 18.
- Rock drill. J. C. Curtis and E. G. Gartin. 2,461,528, Feb. 15.
- Rock drill. J. C. Curtis and E. G. Gartin. 2,461,530, Feb. 15.
- Rock drill. W. A. Morrison. 2,458,289, Jan. 4.
- Rock drill. J. N. Paquin. 2,479,698, Aug. 23.
- Rock drill bit. S. T. G. Wilsher. 2,484,365, Oct. 11.
- Rock or stone saw. C. M. Hasty and L. R. Baker. 2,475,892, July 12.
- Rock picking machine. L. Boylan. 2,479,719, Aug. 23.
- Rocker arm construction. J. G. Vincent. 2,457,943, Jan. 4.
- Rocker arm, Engine. A. G. Gable. 2,490,262, Dec. 6.
- Rocker arm, Engine. J. M. Leake. 2,469,564, May 10.
- Rocket. L. A. Skinner. 2,457,839, Jan. 4.
- Rocket carrier. G. G. Mosteller. 2,485,909, Oct. 25.
- Rocket device. C. C. Lauritsen. 2,464,181, Mar. 8.
- Rocket device. C. C. Lauritsen. 2,469,350, May 10.
- Rocket device. C. C. Lauritsen and J. McMorris. 2,458,475, Jan. 4.
- Rocket fin assembly. L. A. Skinner. 2,465,401, Mar. 29.
- Rocket holding device. M. R. Goff. 2,460,929, Feb. 8.
- Rocket launcher. C. C. Lauritsen and J. McMorris. 2,458,476, Jan. 4.
- Rocket, Line-carrying. C. D. A. J., and C. Schermuly. 2,471,353, May 24.
- Rocket nozzle, Adjustable. A. Africano. 2,481,059, Sept. 6.
- Rocket-propelled device. M. H. Goehmann. 2,470,162, May 17.
- Rocket propulsion by reacting alkyl-substituted mononu-clear aromatic amines and nitric acid. V. L. King. 2,474,183, June 21.

- Rocket propulsion utilizing hydrocarbon sulfate turpentine, nitric acid, and sulfuric acid or oleum. J. M. Sayward and D. E. Nagy. 2,489,051, Nov. 22.
- Rocking device. M. MacGregor. 2,475,289, July 5.
- Rocking device, Exerciser. R. C. and O. R. Sefton. 2,467,236, Apr. 12.
- Rocking horse, Traveling. M. D. Jacobs. 2,490,059, Dec. 6.
- Rod: See—
- Adjustable action fishing rod. Cutting corundum rod.
 - Adjustable pump rod. Expandable curling rod.
 - Concrete form tie rod. Fishing rod.
 - Connecting rod. Garment hanger rod.
 - Connector rod. Pull rod.
 - Connector rod. Weld and weld rod.
- Rod and gas welding, Flux coated aluminum. D. M. Doyle. 2,470,763, May 24.
- Rod and plunger connection, Connecting. R. J. Hess. 2,461,056, Feb. 8.
- Rod clamp or the like. E. M. Peoples. 2,473,217, June 14.
- Rod driver, Flexible. L. W. Schoensiegel. 2,460,149, Jan. 25.
- Rod for electric arc-welding, Coated welding. P. C. van der Willigen. 2,491,593, Dec. 20.
- Rod for looms, Protector. W. A. Blanchard. 2,490,403, Dec. 6.
- Rod holder and reel lock, Fishing. C. O. Palmer. 2,481,338, Sept. 6.
- Rod mechanism for engines and pumps, Connecting. J. Aiken. 2,486,238, Oct. 25.
- Rod or pipe clamp. C. L. Malaspina. 2,460,701, Feb. 1.
- Rod or pole holder, Fishing. W. N. Belk. 2,478,176, Aug. 9.
- Rod packing. W. Van den Burg. 2,467,510, Apr. 19.
- Rod unit, Magnetostrictive. N. E. Lee. 2,487,815, Nov. 15.
- Rodentproof fruit and vegetable container. J. S. Gilbertie. 2,466,226, Apr. 5.
- Rodent trap. W. H. Jordan. 2,464,090, Mar. 8.
- Rodent trap. J. Russell. 2,471,546, May 31.
- Röntgenological method and apparatus. G. W. Files. Re. 23,179, Dec. 6.
- Roll, Abrasive cutting. H. M. Field. 2,458,362, Jan. 4.
- Roll, Beater. D. E. Jones. 2,482,712, Sept. 20.
- Roll for looms, Cloth. B. W. Brouwer and V. F. Sepavich. 2,491,917, Dec. 20.
- Roll for suction cleaners, Brush. C. H. Taylor. 2,459,007, Jan. 11.
- Roll heating and cooling. O. O. Oaks. 2,483,021, Sept. 27.
- Roll holder. B. D. Hall. 2,467,825, Apr. 19.
- Roll paper dispenser. M. Lifschitz. 2,472,712, June 7.
- Roll tension device. J. S. Dudley and C. D. Brandt. 2,466,086, Apr. 5.
- Roll tension device. S. H. Helland. 2,458,852, Jan. 11.
- Roll unloading apparatus. L. Hornbostel and E. D. Beachler. 2,467,555, Apr. 19.
- Rolled tooth ratchet bar. A. W. Hunz. 2,463,771, Mar. 8.
- Rolled tooth ratchet bar. A. W. Hunz. 2,487,553, Nov. 8.
- Roller adjustment and method, Ductor. H. E. Peyrebrune. 2,474,160, June 21.
- Roller and drum mill for flaking mica. P. M. Brown, Jr. 2,482,740, Sept. 27.
- Roller, Antimariage. C. H. Harrigan. 2,481,998, Sept. 13.
- Roller arrangement for pallet trucks, Auxiliary supporting. I. F. Schreck. 2,462,007, Feb. 15.
- Roller attachment. E. W. Little. 2,460,094, Jan. 25.
- Roller awning gudgeon. E. F. Bell. 2,491,074, Dec. 13.
- Roller bearing chain. S. Couper. 2,458,682, Jan. 11.
- Roller bit. J. S. Goodwin. 2,482,263, Sept. 20.
- Roller, Cigarette. A. F. Sas. 2,471,656, May 31.
- Roller construction, Floor. H. O. De Boer. 2,468,925, May 3.
- Roller control for printing presses, Ductor. G. H. Schultz. 2,459,188-9, Jan. 18.
- Roller, Cultivating. E. McCormick. 2,485,057, Oct. 18.
- Roller, Dampening or moistening. W. C. Huebner. 2,464,040, Mar. 8.
- Roller device, Pastry. A. Brabazon. 2,490,616, Dec. 6.
- Roller driving gear. N. G. Archer. 2,466,068, Apr. 5.
- Roller feeding apparatus for feeding slivers to carding engines and the like. I. Marsden and L. Collins. 2,480,491, Aug. 30.
- Roller, Flue. E. F. Vilter. 2,470,005, May 10.
- Roller for combing machines and the like, Spring-loaded. F. Denham. 2,489,015, Nov. 22.
- Roller for window screens, blinds, and the like, Spring. J. R. M. Tisdale. 2,464,903, Mar. 22.
- Roller hearth furnace. S. M. Stoler. 2,492,942, Dec. 27.
- Roller, Ink transfer. H. W. Faerber. 2,467,199, Apr. 12.
- Roller, Load supporting. E. A. Domke. 2,473,868, June 21.
- Roller, Pressure lubricated track tractor. J. A. Carr, W. C. Carroll, and R. D. Pike. 2,490,027, Dec. 6.
- Roller, Seam. W. Parkinson. 2,467,690, Apr. 19.
- Roller, Shade. E. F. Pigeon. 2,460,307, Feb. 1.
- Roller skate. F. J. Wagner. 2,490,849-50, Dec. 13.
- Roller skate wheel. E. Van Horn. 2,484,974, Oct. 18.
- Roller skate wheel hubcap. C. M. Bierman. 2,472,087, June 7.
- Roller sleeve and applying the same, Printing press. E. L. Wilson. 2,480,173, Aug. 30.
- Roller, Take-up. W. J. Kuehnle. 2,486,179, Oct. 25.
- Roller vane pump having constant delivery, Positive displacement oscillating. H. J. Kratzer. 2,465,595, Mar. 29.
- Roller vane rotary pump. H. H. Looke. 2,460,018, Jan. 25.
- Roller window screen. W. Marbach. 2,462,520, Feb. 22.
- Rolling contact bearing. V. L. Iles. 2,476,982, July 26.
- Rolling device. J. L. Kempthorne. 2,481,021, Sept. 6.
- Rolling machine, Disk. J. F. Reimer. 2,477,205, July 26.
- Rolling machine, Thread. A. E. Drissner, and W. J. Hogg. 2,475,084, July 5.
- Rolling mill bearing. J. M. O'Malley. 2,488,514, Nov. 15.
- Rolls, Mechanical off-bearing flared. G. W. Charters. 2,468,036, Apr. 26.
- Roof and wall structure. A. Cibulka. 2,459,415, Jan. 18.
- Roof construction, Building. N. S. Black. 2,480,699, Aug. 30.
- Roof construction, Greenhouse. A. B. Kleinhaus. 2,463,183, Mar. 1.
- Roof for liquid storage tanks, Floating. J. H. Wiggins. 2,460,053, Jan. 25.
- Roof for vehicles, Sliding. H. Mobbs and G. H. Smith. 2,482,429, Sept. 20.
- Roof or covering. G. V. Candler, Jr. 2,489,751, Nov. 29.
- Roof platform, Pitch. J. F. Campion. 2,476,401, July 19.
- Roof unit, Metal cased composite suspended. W. F. Rochow. 2,465,170, Mar. 22.
- Roof ventura for fans. A. W. Roth. 2,466,827, Apr. 12.
- Roofing. H. G. Adams. 2,488,887, Nov. 22.
- Roofing clip. W. Kroier. 2,483,776, Oct. 4.
- Roofing fastener. L. K. Lockwood. 2,475,795, July 12.
- Roofing, Fire resistant asphalt. F. B. Burns, M. S. Larison, and M. C. Higgs. 2,458,143, Jan. 4.
- Room heater. C. M. Osterheld. 2,483,664, Oct. 4.
- Room heater. C. M. Osterheld. 2,492,316, Dec. 27.
- Roost, Poultry. N. J. Roth. 2,478,596, Aug. 9.
- Rope clamp. W. M. and J. A. Forsythe. 2,461,205, Feb. 8.
- Rope holder. J. Z. Miller. 2,470,316, May 17.
- Rope holder. G. A. Ward and O. Koleske. 2,471,503, May 31.
- Rope releasing device. W. H. Mussman. 2,478,124, Aug. 2.
- Rope splice, Wire. V. C. J. Peterson. 2,482,204, Sept. 20.
- Rope splice, Wire. V. C. J. Peterson and H. M. Wilson. 2,461,079, Feb. 8.
- Rope, Wire. A. T. Ewell. 2,480,005, Aug. 23.
- Ropemaking machine. T. E. Lee. 2,484,303, Oct. 11.
- Rosary unit. C. C. Szaj. 2,461,130, Feb. 8.
- Rosin ester-modified alkyd resin. C. D. Ender. 2,476,714, July 19.
- Rosin esters and making same. J. B. Rust and W. B. Canfield. 2,479,516, Aug. 16.
- Rosin maleic glycerine esters. W. Krumbhaar. 2,470,855, May 24.
- Rosin modified phenol formaldehyde resins of enlarged molecular size. W. Krumbhaar. 2,478,490, Aug. 9.
- Rosin size composition. Stabilized dry. J. C. Barthel, A. R. Davis, and E. N. Poor. 2,471,714, May 24.
- Rosin size, Preparing a dry. B. M. Morris. 2,476,450, July 19.
- Rosin-styrene interpolymers. E. D. Morris and G. A. Griess. 2,468,770, May 3.
- Rotary abrading tool. E. W. Hall. 2,462,741, Feb. 22.
- Rotary abrading tool. B. A. Strout. 2,485,786, Oct. 25.
- Rotary abutment fluid power device, Plural stage. F. Berry. 2,464,481, Mar. 15.
- Rotary air atomizing burner. H. O. Grimmelsen. 2,480,019, Aug. 23.
- Rotary aircraft athodyd motor. B. A. Nicolaeff. 2,472,917, June 14.
- Rotary attachment plug. A. Laubi. 2,465,022, Mar. 22.
- Rotary balanced vane pump. W. T. Stephens. 2,473,309, June 14.
- Rotary ball valve. J. L. Waters. 2,461,617, Feb. 15.
- Rotary bit operating mechanism. H. W. McDonald. 2,473,537, June 21.
- Rotary brush holder. F. E. Hollis. 2,465,231, Mar. 22.
- Rotary burner. C. J. Maki. 2,491,324, Dec. 13.
- Rotary cigarette dispenser. L. Süli. 2,480,977, Sept. 6.
- Rotary cleaning tool. G. H. Loeser and C. C. Gangie. 2,473,654, June 21.
- Rotary combustion motor. W. A. Cate. 2,473,785, June 21.
- Rotary converter-coupling hydraulic power transmission. A. Lysholm. 2,462,652, Feb. 22.
- Rotary cutter. R. H. Marsh. 2,476,749, July 19.
- Rotary device for juicing oranges. H. E. Corbitt. 2,487,043, Nov. 8.
- Rotary Diesel engine. G. F. Pieper. 2,460,192, Jan. 25.
- Rotary differential hydraulic coupling. J. Novak. 2,465,919, Mar. 29.
- Rotary drier. G. P. Forni. 2,468,871, May 3.
- Rotary drill bit. A. W. Kammerer. 2,466,991, Apr. 12.
- Rotary drum filter. O. B. Ackerly, Jr. 2,472,558, June 7.
- Rotary electric switch. E. J. Doucette. 2,489,626, Nov. 29.
- Rotary electric switch. G. S. Ellithorpe. 2,459,998, Jan. 25.
- Rotary electric switch. W. C. Furnas and N. H. Koertge. 2,487,967, Nov. 15.
- Rotary electrical switch. E. H. Reinschmidt, Jr. 2,472,230, June 7.
- Rotary engine. E. Alterio. 2,458,128, Jan. 4.
- Rotary engine. W. Bailey. 2,485,687, Oct. 25.

- Rotary engine. B. P. Dawes. 2,463,155, Mar. 1.
 Rotary expandable chamber pump. A. H. Winkler and E. O. Wirth. 2,470,670, May 17.
 Rotary expandable chamber sliding vane-tool motors, Lubrication of. E. H. Shaff. 2,464,997, Mar. 22.
 Rotary filter. E. G. Smith and O. M. Cocchiarella. 2,489,681, Nov. 29.
 Rotary follow valve. E. J. Carleton. 2,490,509, Dec. 6.
 Rotary gear pump. A. Girz. 2,471,149, May 24.
 Rotary grass cutter. G. A. Gentry. 2,485,729, Oct. 25.
 Rotary hydraulic motor. R. H. Deitrickson. 2,475,224, July 5.
 Rotary impact tool. E. H. Shaff. 2,476,632, July 19.
 Rotary impact tool. F. H. Thomas. 2,463,656, Mar. 8.
 Rotary internal-combustion engine. C. A. Gilson. 2,461,377, Feb. 8.
 Rotary internal-combustion engine. G. S. Johnson. 2,478,924, Aug. 16.
 Rotary internal-combustion engine. R. H. Kutzner. 2,468,451, Apr. 26.
 Rotary internal gear pump. W. Jones. 2,482,713, Sept. 20.
 Rotary jet-actuated motor. R. G. and S. D. Parr. 2,481,235, Sept. 6.
 Rotary joint. C. Schmitter and S. M. Kies. 2,462,006, Feb. 15.
 Rotary kiln. G. E. Seil. 2,484,911, Oct. 18.
 Rotary kiln temperature control. R. S. Walker. 2,484,539, Oct. 1.
 Rotary marsh land ditcher. W. E. Rodrigue. 2,484,741, Oct. 11.
 Rotary movable abutment pump. J. P. Johnson. 2,475,391, July 5.
 Rotary oscillating vane pump. R. W. Young. 2,487,685, Nov. 8.
 Rotary percussion drill. J. B. Baker. 2,464,781, Mar. 22.
 Rotary plug valve. W. D. Carrie. 2,459,682, Jan. 18.
 Rotary plug valve. W. T. Downing and S. P. Johnson. 2,464,123, Mar. 8.
 Rotary pump. M. Gruber. 2,484,993, Oct. 18.
 Rotary pump. C. R. Houghton. 2,489,887, Nov. 29.
 Rotary pump. C. E. L. Lipman. 2,491,670, Dec. 20.
 Rotary pump. R. H. McClure. 2,485,980, Oct. 25.
 Rotary pump. P. C. Tabbert. 2,469,936, May 10.
 Rotary pump. A. Zeitlin. 2,491,351-2, Dec. 13.
 Rotary pump and motor hydraulic transmission, Reversible, variable-speed. C. L. Jackson. 2,485,240, Oct. 18.
 Rotary retort. J. K. Young and E. A. Wright. 2,468,318, Apr. 26.
 Rotary reversing switch. W. C. Furnas and E. L. Rucks. 2,478,690, Aug. 9.
 Rotary selector valve. W. Weitzen. 2,477,025, July 26.
 Rotary surface treating device. G. W. Thomas. 2,491,141, Dec. 13.
 Rotary swaging machine. S. Smith. 2,485,326, Oct. 18.
 Rotary switch. C. E. Hammer. 2,468,974, May 3.
 Rotary tool. E. R. Whitledge. 2,484,364, Oct. 11.
 Rotary turbine type fluid coupling. E. D. Hanson. 2,471,212, May 24.
 Rotary valve internal-combustion engine. H. P. Stevens. 2,459,973, Jan. 25.
 Rotary vane engine. W. W. Martinmaas, Jr. 2,469,510, May 10.
 Rotary vane pump. C. H. Ingwer. 2,479,685, Aug. 23.
 Rotary weed cutter. R. Turner and L. Howell. 2,481,798, Sept. 13.
 Rotary welding apparatus. A. F. Kenyon and T. Specht. 2,479,370, Aug. 16.
 Rotatable auxiliary seat. J. G. Martz. 2,465,026, Mar. 22.
 Rotatable counter chair. Y. D. Smith. 2,468,379, Apr. 26.
 Rotatable device. P. A. Johnson. 2,471,217, May 24.
 Rotatable game board. B. M. Peterson. 2,481,779, Sept. 13.
 Rotatable illuminated advertising sign. D. W. Van Gieson. 2,482,886, Sept. 27.
 Rotating atomizing cup burner and igniting and burning fuel therein. A. M. I. Hoogendam. 2,483,975, Oct. 4.
 Rotating blade grass and weed cutter. V. R. Swift and M. Bockman. 2,466,620, Apr. 5.
 Rotating-wing machine. F. H. M. J. Maillard, A. H. Laville, and J. A. Béziaud. 2,491,191, Dec. 13.
 Rotation device for rock drills. J. H. Anderson. 2,457,969, Jan. 4.
 Rotation rate change generator. A. P. Adamson. 2,460,115, Jan. 25.
 Rotor. J. H. Abbott and J. W. Anger. 2,470,966, May 24.
 Rotor. M. E. Gluhareff. 2,475,318, July 5.
 Rotor. C. E. Tack. 2,477,500, July 26.
 Rotor. J. H. Wessel. 2,458,041, Jan. 4.
 Rotor. Aircraft sustaining. A. W. Allen. 2,465,703, Mar. 29.
 Rotor and control thereof, Aircraft. A. E. Koeppel. 2,484,099, Oct. 11.
 Rotor and drive shaft with frangible coupling. G. J. Knudson. 2,487,449, Nov. 8.
 Rotor blade. Skin stressed laminated fiberglass. R. P. Alex. 2,484,141, Oct. 11.
 Rotor brake. C. E. Tack. 2,465,823, Mar. 29.
 Rotor construction for turbines. C. R. Soderberg. 2,461,242, Feb. 8.
 Rotor drive, Aircraft. H. T. Pentecost, A. W. Bliler, D. Nicholls, and W. Archer, Jr. 2,475,293, July 5.
 Rotor drive for rotary wing sustained aircraft, Variable thrust. F. C. and H. G. Kusse. 2,490,361, Dec. 6.
 Rotor for axial air gap motors and generators. L. W. Parker. 2,479,589, Aug. 23.
 Rotor for dynamoelectric machines. M. W. Brainard. 2,475,776, July 12.
 Rotor for hammer mills and the like, Disintegrator. C. W. Lanter. 2,473,531, June 21.
 Rotor for helicopters, Tail. J. N. Candler. 2,473,329, June 14.
 Rotor for multistage axial flow compressors and turbines. L. T. Whitehead. 2,461,402, Feb. 8.
 Rotor for multistage turbines and compressors. K. Baumann. 2,492,833, Dec. 27.
 Rotor for multistage turbines or similar machines. K. A. Bergstedt. 2,483,616, Oct. 4.
 Rotor for pancake type induction motors. L. E. Aske. 2,490,021, Dec. 6.
 Rotor for radial turbines. A. Buchi. 2,486,732, Nov. 1.
 Rotor for rotary wing aircraft, Jet-powered lifting. E. A. Stalker. 2,457,936, Jan. 4.
 Rotor for turbines, Constant speed. J. A. Senn. 2,460,849, Feb. 8.
 Rotor for vibrating devices, Eccentric. R. L. Wilde. 2,479,799, Aug. 23.
 Rotor generating. J. E. Whitfield. 2,473,233, June 14.
 Rotor, Helicopter. M. E. Gluhareff. 2,465,681, Mar. 29.
 Rotor, Induction motor. L. E. Aske. 2,469,808, May 10.
 Rotor, Jet-propelled lift. R. W. Jenny. 2,466,813, Apr. 12.
 Rotor machine, Rotary multistage helical. H. R. Nilsson. 2,481,527, Sept. 13.
 Rotor, Magneto. E. A. Kooyman. 2,488,729, Nov. 22.
 Rotor, Motor. A. R. Meussdorffer. 2,484,386, Oct. 11.
 Rotor, Permanent magnet. M. W. Brainard. 2,485,474, Oct. 18.
 Rotor, Permanent magnet excited. E. J. Schaefer. 2,488,437, Nov. 15.
 Rotor, Rubber mounted tail. M. E. Gluhareff. 2,487,646, Nov. 8.
 Rotor, Turbine. W. K. Bodger. 2,479,057, Aug. 16.
 Rotor, Wind. R. R. Hays. 2,484,291, Oct. 11.
 Rotors and other elements, Blading. R. C. Allen and C. C. Jordan. 2,475,772, July 12.
 Rotors, Cooling turbine. J. Schuster, Jr. 2,461,239, Feb. 8.
 Rototrol scheme. J. R. Wrathall. 2,470,672, May 17.
 Rough rounding machine. C. W. Baker. 2,470,127, May 17.
 Roughening and grading machine, Platform cover. L. F. Exley. 2,491,962, Dec. 20.
 Roughening means, Cotton-picker-spindle. J. D. Rust. 2,485,845, Oct. 25.
 Roughing machine. E. E. Sabin. 2,470,866, May 24.
 Roundabout. J. D'Errico. 2,458,150, Jan. 4.
 Roundabout. A. H. Ragsdale. 2,484,732, Oct. 11.
 Rounding machine. C. W. Baker. 2,482,092, Sept. 20.
 Rounding machine. L. E. Topham and E. W. Smith. 2,473,621, June 21.
 Rounding machine, Rough. C. W. Baker. 2,480,828, Sept. 6.
 Routing and planing machine. J. W. Dixon. 2,479,588, Aug. 23.
 Routing machine. W. F. Huck. 2,482,620, Sept. 20.
 Rowboat attachment. V. E. Ankarlo. 2,466,351, Apr. 5.
 Rowboat, Manually operated. W. E. Hogreff. 2,469,646, May 10.
 Rowing machine. A. F. Jackson. 2,475,667, July 12.
 Rubber and plastics in cellular form by means of dinitrosamino compounds, Preparation of. A. S. Briggs and G. E. Scharff. 2,491,709, Dec. 20.
 Rubber and product resulting therefrom, Curing. E. L. Carr and J. R. Rafter. 2,476,818, July 19.
 Rubber articles, Making hollow. F. T. Roberts. 2,483,234, Sept. 27.
 Rubber articles, Manufacture of. R. O. Teston. 2,482,075, Sept. 13.
 Rubber articles, Method and apparatus for cementing. A. A. Steinhilber. 2,480,786, Aug. 30.
 Rubber articles, Method and apparatus for making hollow. F. T. and R. E. Roberts. 2,463,562, Mar. 8.
 Rubber articles, Producing inflatable. D. G. Rempel. 2,477,899, Aug. 2.
 Rubber base materials, Nonslipping. R. W. Cuthill. 2,469,372, May 10.
 Rubber bushing. D. T. Bradley. 2,467,548, Apr. 19.
 Rubber by means of phenyl-beta-naphthylamine, Reclaiming synthetic. T. A. Johnson and H. H. Thompson. 2,478,826, Aug. 9.
 Rubber composition and making, Vulcanized depolymerized. K. V. Hardman. 2,486,782, Nov. 1.
 Rubber compositions containing unsubstituted rosin amines. L. O. Amberg. 2,491,913, Dec. 20.
 Rubber compositions, Synthetic. S. J. Cohen and W. E. Scheer. 2,479,671, Aug. 23.
 Rubber compositions, Tacky synthetic. H. E. Albert. 2,476,824, July 19.
 Rubber compositions, Vulcanization of. P. J. Flory and N. Rabjohn. 2,469,819, May 10.
 Rubber compound, Processing. H. H. Waters. 2,459,745, Jan. 18.
 Rubber, Hard. L. J. Cukierski. 2,458,351, Jan. 4.

- Rubber latex, Coagulation of synthetic. C. R. Johnson. 2,459,748, Jan. 18.
- Rubber latex, Treatment of synthetic. E. Arundale. 2,462,591, Feb. 22.
- Rubber latices, Creaming of. J. S. Rumbold. 2,467,053, Apr. 12.
- Rubber latices, Treatment of synthetic. J. S. Rumbold. 2,475,053, July 5.
- Rubber-like articles and making same. G. H. McFadden. 2,472,054, May 31.
- Rubber-like articles and making same. G. H. McFadden, J. F. Lyman, and A. G. Horney. 2,472,055, May 31.
- Rubberlike materials, Curing. F. P. Baldwin. 2,477,280, July 26.
- Rubberlike polymers from purge water, Recovery of. T. G. Moore. 2,478,703, Aug. 9.
- Rubber, Making and compounding synthetic. R. L. Bebb. 2,459,740, Jan. 18.
- Rubber material, Making sponge. E. A. Eakins. 2,458,694, Jan. 11.
- Rubber oil can. L. C. Tullgren and J. Bonkiewicz, Jr. 2,482,384, Sept. 20.
- Rubber, Preserving. E. S. Blake. 2,469,101, May 3.
- Rubber, Preserving. E. J. Hart. 2,476,661, July 19.
- Rubber, Preserving synthetic. L. H. Howland. 2,460,177, Jan. 25.
- Rubber products, Manufacture of. M. M. Heywood. 2,459,763, Jan. 18.
- Rubber, Reclaiming. J. O. Navone. 2,487,666, Nov. 8.
- Rubber, Reclaiming scrap vulcanized. F. H. Banbury, D. A. Comes, and C. F. Schnuck. 2,461,192, Feb. 8.
- Rubber, Reclaiming synthetic. T. A. Johnson and H. H. Thompson. 2,478,827, Aug. 9.
- Rubber recovery method. R. H. Stanton. 2,465,126, Mar. 22.
- Rubber rib mounting. M. E. Glubareff. 2,486,710, Nov. 1.
- Rubber scraps, Treating. T. M. Knowland. 2,462,645, Feb. 22.
- Rubber softened with sulfur dioxide and chlorine treated polyisobutylene reacted with ammonia. N. M. Elmore and A. M. Gessler. 2,458,841, Jan. 11.
- Rubber sponges, Molding. L. A. Wohler and H. W. Greenup. 2,476,827, July 19.
- Rubber tackified with acylated phenolaldehyde resin. L. H. Howland and L. B. Tewksbury, Jr. 2,485,097, Oct. 18.
- Rubber thread, Manufacturing. S. W. Alderfer and A. Bosshard. 2,481,060, Sept. 6.
- Rubber thread, Method of and apparatus for producing. G. S. Van Voorhis. 2,479,527, Aug. 16.
- Rubber to magnesium, Adhesion of. J. R. Rafter. 2,459,744, Jan. 18.
- Rubber to metal, Bonding. A. J. Saulino. 2,468,239, Apr. 26.
- Rubber, Vulcanization of. B. C. Barton. 2,468,159, Apr. 26.
- Rubber, Vulcanization of. P. T. Paul. 2,460,393, Feb. 1.
- Rubber, Vulcanizing. E. S. Blake. 2,470,545, May 17.
- Rubber with cooling of the rubber to facilitate separation of tallings, Refining reclaimed. C. H. Campbell. 2,471,392, May 24.
- Rubbers, Production of chlorinated synthetic. T. P. Remy. 2,470,952, May 24.
- Rubbery copolymers of (trifluoromethyl) vinyl aromatic compounds. M. W. Renoll. 2,469,845, May 10.
- Rubbery isoocten copolymer composition of improved cold resistance. W. C. Smith. 2,487,278, Nov. 8.
- Rubbery polymeric organo-siloxane compositions, Making. E. L. Warrick. 2,460,795, Feb. 1.
- Rudder, Jet flow. G. G. Sheldon. 2,483,675, Oct. 4.
- Rudder pedal adjusting mechanism. W. A. Pickens and F. D'Vincent. 2,478,546, Aug. 9.
- Rug. F. P. Groat. 2,486,942, Nov. 1.
- Rug braids, Manufacture of. S. Eskow. 2,468,870, May 3.
- Rug, Pile. J. J. Matwin and J. E. Taylor. 2,466,857, Apr. 12.
- Rugs, Making scraggy. I. Fallek. 2,466,016, Apr. 5.
- Rule. D. M. Kroener. 2,478,198, Aug. 9.
- Rule accessory, Slide. J. G. Adiletta. 2,469,221, May 3.
- Rule, Adjustable radius. E. J. Petre. 2,491,330, Dec. 13.
- Rule attachment, Slide. J. J. Smidl. 2,490,240, Dec. 6.
- Rule, Automatic. B. E. Young. 2,467,515, Apr. 19.
- Rule, Framing. P. Marino. 2,487,457, Nov. 8.
- Rule, Multiscale. D. L. Fullilove. 2,468,191, Apr. 26.
- Rule, Optometrist. E. T. Jenison. 2,463,694, Mar. 8.
- Rule runner, Slide. E. Pignone. 2,478,547, Aug. 9.
- Rule, Slide. A. F. Eckel. 2,466,983, Apr. 12.
- Rule, Slide. H. H. Goldstaub. 2,473,876, June 21.
- Rule, Slide. F. L. Koenig. 2,486,748, Nov. 1.
- Rule, Slide. H. S. Lieberman. 2,489,790, Nov. 29.
- Rule, Slide. O. A. Wiberger. 2,460,558, Feb. 1.
- Rule, Steel measuring. E. J. Witchger. 2,471,709, May 31.
- Rule, Tape. E. J. Witchger. 2,469,674, May 10.
- Ruler, Measuring. D. Peterson. 2,472,229, June 7.
- Ruler, Scribe holding. G. B. Stone. 2,489,830, Nov. 29.
- Ruling means, Parallel. G. E. Froelich. 2,488,284, Nov. 15.
- Runner for land vehicles, Retractable. P. Germain. 2,476,241, July 12.
- Runner vehicle. E. M. Petersen. 2,475,250, July 5.
- Runners for baby carriages and the like, Folding sled. G. F. Nurenberg and J. Campbell. 2,480,256, Aug. 30.
- Running rope lubricator. W. R. Jenkins. 2,471,036, May 24.
- Runway for aircraft and plant associated therewith, Fog freeable. A. C. Hartley, J. C. Brown, G. S. Callendar, H. R. Fehling, D. A. Fox, F. Gill, W. T. Moore, P. O. Rosin, and G. J. Williamson. 2,465,587, Mar. 29.
- Rust inhibiting composition. J. I. Wasson and J. W. Hand, Jr. 2,485,341, Oct. 18.
- Rust inhibitor for mineral oils. J. I. Wasson and G. W. Duncan. 2,491,066, Dec. 13.
- Rust preventing composition. J. D. Garber. 2,490,264, Dec. 6.
- Rust-preventing compounds. J. I. Wasson and J. C. Zimmer. 2,474,604, June 28.
- Rust preventive compositions. P. R. McCarthy. 2,471,638, May 31.
- Rust preventive compositions. M. A. Paliwoda and G. W. Duncan. 2,471,889, May 31.
- Rutile, Producing. W. J. Cauwenberg and H. L. Sanders. 2,477,559, Aug. 2.
- Rutin from buckwheat, Obtaining. R. K. Eskew. 2,478,168, Aug. 9.
- Sack, Clothspun. F. E. Cowles. 2,472,094, June 7.
- Sack holder. M. F. Ferrell and J. K. Moore. 2,472,410, June 7.
- Sacking device. J. J. Byberg. 2,463,085, Mar. 1.
- Saddle. D. A. V. and C. G. Mock. 2,474,953, July 5.
- Saddle, Hand. R. A. MacDonald. 2,482,192, Sept. 20.
- Saddle mounting. F. W. Schwinn. 2,476,226, July 12.
- Saddle, Pipe-line. D. E. Stearns. 2,474,920, July 5.
- Saddle stirrup hanger. H. L. Funk. 2,467,663, Apr. 19.
- Saddle stirrup holder. N. Cavin. 2,482,153, Sept. 20.
- Sadiron assembly. W. H. McLelland and E. J. Ajax. 2,461,561, Feb. 15.
- Sadiron, Electrically heated. F. W. Scharf. 2,478,507, Aug. 9.
- Sadiron holder. A. W. Baxter. 2,485,472, Oct. 18.
- Safe, Fire and burglar proof. W. Thein. 2,461,708, Feb. 15.
- Safe incandescent lamp. M. C. Richardson. 2,483,351, Sept. 27.
- Safe lock. C. L. Dodd. 2,488,273, Nov. 15.
- Safe, Tabernacle. J. G. Zimmerli. 2,486,904, Nov. 1.
- Safety and relief valve. E. C. Sullivan. 2,459,553, Jan. 18.
- Safety apparatus. S. M. Mercier. 2,472,914, June 14.
- Safety arrangement for X-ray apparatus. M. F. Hall. 2,492,281, Dec. 27.
- Safety astragal. A. W. Croker and P. R. Doeg. 2,475,015, July 5.
- Safety attachment. I. D. Houseman. 2,458,943, Jan. 11.
- Safety attachment for automobiles. H. G. Allen. 2,483,358, Sept. 27.
- Safety attachment for drilling machines. J. Pritchett. 2,484,731, Oct. 11.
- Safety attachment, Tie rod. J. E. Burnett. 2,483,621, Oct. 4.
- Safety auxiliary application valve. S. W. Russell. 2,477,496, July 26.
- Safety belt, Retractable. H. F. George. 2,480,915, Sept. 6.
- Safety catch, Self-locking. M. Yasnor. 2,473,044, June 14.
- Safety Christmas tree stand. J. F. Havery. 2,477,981, Aug. 2.
- Safety clothesline hook. J. Berman. 2,486,248, Oct. 25.
- Safety connection and distribution box. C. O. Gallaher. 2,492,739, Dec. 27.
- Safety control and ignition apparatus for fuel burners. R. C. Main. 2,489,794, Nov. 29.
- Safety control apparatus for fuel burners. S. G. Eskin. 2,484,405, Oct. 11.
- Safety control apparatus for gas burners. A. A. Lane. 2,484,301, Oct. 11.
- Safety control device for motor vehicles. H. T. Higgins. 2,459,938, Jan. 25.
- Safety control, Oil pressure. C. R. Neeson. 2,461,076, Feb. 8.
- Safety control system for fuel burners. P. R. Marvin. 2,491,125, Dec. 13.
- Safety coupling. L. C. Carmichael. 2,482,741, Sept. 27.
- Safety cutoff switch. B. H. Clare. 2,490,675, Dec. 6.
- Safety device. J. L. Baker. 2,466,355, Apr. 5.
- Safety device. H. P. Watson and G. W. Rogers. 2,470,059, May 10.
- Safety device, Airplane. P. D. Balzano. 2,475,688, July 12.
- Safety device, Airplane flight. S. R. Ours. 2,460,843, Feb. 8.
- Safety device, Detonator. S. H. Dike. 2,485,817, Oct. 25.
- Safety device, Electrical outlet. C. A. Huber. 2,477,803, Aug. 2.
- Safety device for aircraft controls. W. E. Austin. 2,478,173, Aug. 9.
- Safety device for aircraft pilots. M. J. O. Lobelle. 2,459,948, Jan. 25.
- Safety device for airplanes. H. R. Miller. 2,463,991, Mar. 8.
- Safety device for blasting caps. J. and F. J. Yurick. 2,471,381, May 24.

- Safety device for burners. E. Riemenschneider. 2,480,772, Aug. 30.
- Safety device for conveyer supports. L. C. Backart. 2,489,947, Nov. 29.
- Safety device for electric plugs. C. Festge. 2,458,153, Jan. 4.
- Safety device for endless screw control. G. E. Cuttat. 2,467,426, Apr. 19.
- Safety device for firearms. C. K. Hansen. 2,478,098, Aug. 2.
- Safety device for fluid containers. R. W. Harvey. 2,465,095, Mar. 22.
- Safety device for fluid fuel burners. C. G. Kronmiller. 2,475,430, July 5.
- Safety device for fuses. R. G. Ferris and J. D. Jordan. 2,480,563, Aug. 30.
- Safety device for guns. J. F. Boone. 2,484,928, Oct. 18.
- Safety device for hydraulic brake systems. F. H. Derry and L. Hammett. 2,482,328, Sept. 20.
- Safety device for labeling machines. S. T. Carter. 2,460,214, Jan. 25.
- Safety device for lift and hoist cages. R. Barton and P. Adler. 2,490,613, Dec. 6.
- Safety device for machinery. P. Buffardi. 2,463,515, Mar. 8.
- Safety device for metal sheet conveyers in tin-plating apparatus. H. C. Kirk. 2,491,316, Dec. 13.
- Safety device for motion-picture projectors. J. G. Shepler. 2,471,786, May 31.
- Safety device for oil burning furnaces, Door operated. F. B. Scanlon. 2,469,082, May 3.
- Safety device for pneumatic tools. C. F. Boyer. 2,471,604, May 31.
- Safety device for presses or stamping machines. J. J. Vargas. 2,463,334, Mar. 1.
- Safety device for pressure fuel tanks, Fusible. A. White, T. Hartwell and L. Reynolds. 2,468,250, Apr. 26.
- Safety device for revolvers. J. W. Norman and C. R. Heilstrom. 2,470,259, May 17.
- Safety device for setting off explosive charges. R. G. Martin. 2,481,231, Sept. 6.
- Safety device for stamping presses and the like. L. R. Dunbar. 2,485,714, Oct. 25.
- Safety device for temperature regulators. P. Spence. 2,469,057, May 3.
- Safety device for windows. L. E. Lamb. 2,479,123, Aug. 16.
- Safety device, Pocket. J. Werber. 2,483,795, Oct. 4.
- Safety device, Pressure vessel. L. M. Cooper. 2,487,104, Nov. 8.
- Safety for automatic guns, Firing and loading. C. W. Newell. 2,469,400, May 10.
- Safety for firearms. F. L. Bistoff. 2,478,892, Aug. 16.
- Safety for shotguns and the like, Trigger. T. L. Maynor. 2,458,616, Jan. 11.
- Safety fuel tank. B. B. Scales and F. T. Siersma. 2,465,173, Mar. 22.
- Safety fuse plug. R. L. Athey. 2,462,934, Mar. 1.
- Safety hanger. G. W. Harris. 2,460,453, Feb. 1.
- Safety hook. B. D. Elliott. 2,478,184, Aug. 9.
- Safety hook. C. O. Larson. 2,470,706, May 17.
- Safety ignition key holder. E. C. Bishop. 2,484,547, Oct. 11.
- Safety joint. W. L. Church. 2,461,107, Feb. 8.
- Safety joint. C. R. Edwards. 2,462,477, Feb. 22.
- Safety lock. C. Juszczak. 2,475,392, July 5.
- Safety means for bathtubs. V. R. O'Brien. 2,465,814, Mar. 29.
- Safety mechanism for firearms. H. S. Wilcox. 2,484,977, Oct. 18.
- Safety mechanism for preboarding machines. F. Backhus. 2,484,668, Oct. 11.
- Safety mechanism for vulcanizers. L. E. Soderquist. 2,482,072, Sept. 13.
- Safety pin. M. L. Crandall. 2,477,723, Aug. 2.
- Safety pin. D. L. Dodds. 2,491,301, Dec. 13.
- Safety pin. G. D. Marrocco. 2,474,112, June 21.
- Safety pin. M. Pettit. 2,475,251, July 5.
- Safety razor blade holder. J. H. Ashley. 2,466,296, Apr. 5.
- Safety release, Sickle bar. G. W. Holmes. 2,466,589, Apr. 5.
- Safety release, Trip rope. D. L. Deems and M. H. Welsh. 2,482,538, Sept. 20.
- Safety switch. L. Jacobs. 2,470,701, May 17.
- Safety switch arrangement for vehicles. F. Y. and C. C. Taylor. 2,481,176, Sept. 6.
- Safety system for centrifugal dischargers. J. Hertrich and R. Huser. 2,463,874, Mar. 8.
- Safety valve. J. L. Corcoran, E. K. Falls, and P. A. Ibold. 2,476,285, July 19.
- Safety valve. S. E. Richeson and J. A. Allegro. 2,462,287, Feb. 22.
- Safety valve control mechanism for fuel burners, Thermo-static. G. A. Short. 2,476,118, July 12.
- Safety window latch. H. Edwards and G. H. Goodemote. 2,464,383, Mar. 15.
- Safrole-sulfoxide and sulfone insecticide and pyrethrin synergist. M. E. Synerholm. 2,486,445, Nov. 1.
- Sagar. C. Wentworth. 2,483,794, Oct. 4.
- Sail fabric. A. R. Pierce, Jr. 2,477,464, July 26.
- Salad dressing, Dry. M. H. Kimball, C. G. Harrel, and R. O. Brown. 2,471,434, May 31.
- Salesbook, Manifold. E. E. Lunn. 2,488,672, Nov. 22.
- Sales book pencil holder. V. G. Lotterer. 2,490,141, Dec. 6.
- Salicylate and succinate therapeutic preparations. R. Gubner. 2,471,394, May 24.
- Salt bath furnace. A. F. Holden. 2,464,508, Mar. 15.
- Salt baths, Mollen. H. G. Webster. 2,458,663, Jan. 11.
- Salt inhibitors for furfural copolymerization, Cuprous. J. C. Hillyer and D. A. Nicewander. 2,475,094, July 5.
- Salt or pepper shaker or dispenser, Self-cleaning. D. E. Kitchen. 2,474,678, June 28.
- Salt solutions, Basic aluminum. V. H. Roehrich. 2,459,289, Jan. 18.
- Salt substitute. E. D. Davy. 2,471,144, May 24.
- Salt, Sulfur. J. A. Dunn and F. G. Miller. 2,489,762, Nov. 29.
- Salt, Trace halogen. J. A. Dunn and F. G. Miller. 2,489,759, Nov. 29.
- Salt, Trace iron. J. A. Dunn and F. G. Miller. 2,489,761, Nov. 29.
- Salt, Trace metal. J. A. Dunn and F. G. Miller. 2,489,760, Nov. 29.
- Salts having minimum solubilities at temperatures above those of the initial solutions, Concentration of. D. Aronson. 2,459,302, Jan. 18.
- Salts of adiponitrile sulfonic acid. C. M. Langkammerer. 2,462,406, Feb. 22.
- Salts of amino methionic acid, Production of. M. H. M. Arnold and W. E. Perry. 2,471,018, May 24.
- Salts of nicotine, Double. C. R. Smith. 2,476,514, July 19.
- Salts of organic dyestuffs. J. Paige. 2,490,703, Dec. 6.
- Salts of stabilized rosin amine, Complex. G. L. Schertz. 2,492,939, Dec. 27.
- Salts of streptothricin, Complex. R. L. Peck. 2,474,758, June 28.
- Salts of tocopheryl phosphoric acid esters. U. V. Solmssen and J. Lee. 2,457,932, Jan. 4.
- Salts of unsaturated acid-branched chain hexadiene polymer adducts. R. C. Morris and J. L. Van Winkle. 2,488,550, Nov. 22.
- Salts, Thiosulfate. H. E. Ingraham. 2,475,616, July 12.
- Sample taker for moisture testing of dehydrated grain. A. B. Welty and W. H. Walker. 2,467,791, Apr. 19.
- Sampler, Bottom. J. L. Worzel. 2,488,486, Nov. 15.
- Sampling apparatus. W. C. Shaffer. 2,489,592, Nov. 29.
- Sampling device. H. E. Goetz. 2,458,508, Jan. 11.
- Sampling device. R. M. Levy. 2,459,383, Jan. 18.
- Sampling device. A. E. Reinert. 2,475,857, July 12.
- Sampling device, Automatic. G. C. Fairbairn. 2,461,045, Feb. 8.
- Sampling device, Automatic. G. C. Fairbairn. 2,477,513, July 26.
- Sampling of liquids in proportion to the flow, Continuous automatic. H. A. Trebler. 2,476,163, July 12.
- Sand wheel. E. A. Foster. 2,489,630, Nov. 29.
- Sandal. F. E. Morrow and C. H. Wise. 2,478,664, Aug. 9.
- Sandal with elastic upper elements. S. Bender. 2,481,281, Sept. 6.
- Sandal with flexible wooden sole. R. L. Dalbey. 2,466,580, Apr. 5.
- Sandal with intermediate sole of less size than the outer or inner sole. J. Rimer. 2,468,573, Apr. 26.
- Sandal with pivoted-ring strap receivers. V. C. Alexander. 2,469,708, May 10.
- Sandal with variable adjustment straps, Swim and gymnasium. E. Saukkonen. 2,486,886, Nov. 1.
- Sander. L. V. Grover. 2,470,615, May 17.
- Sander. F. J. Mason. 2,487,157, Nov. 8.
- Sander. F. H. Myshrrall. 2,469,980, May 10.
- Sander, Bowling alley. O. Hadwiger. 2,480,325, Aug. 30.
- Sander control, Timed track. J. V. V. Elsworth. 2,492,276, Dec. 27.
- Sander device. C. C. Bourdonis. 2,489,005, Nov. 22.
- Sander, Drum. F. H. Staggs. 2,458,217, Jan. 4.
- Sander, Hand. T. R. Stenberg, F. T. King, and M. Immermann. 2,492,602, Dec. 27.
- Sander head, Brush. H. S. Newton. 2,474,063, June 21.
- Sander, Molding. A. L. Payton. 2,479,506, Aug. 16.
- Sander, Portable. G. L. Duff. 2,466,584, Apr. 5.
- Sander, Portable. S. Mandl and E. M. Pfauter. 2,492,231, Dec. 27.
- Sander, Road. E. J. Schall. 2,461,779, Feb. 15.
- Sander, Vehicle traction. J. C. Deagan. 2,488,900, Nov. 22.
- Sanding and finishing tool. C. A. Hein. 2,472,899, June 14.
- Sanding apparatus. E. B. Myott. 2,489,801, Nov. 29.
- Sanding block. J. Paul. 2,474,064, June 21.
- Sanding device. A. G. Nash. 2,483,554, Oct. 4.
- Sanding device, Portable belt type. E. M. Asbury. 2,483,720, Oct. 4.
- Sanding edger, Floor. W. P. Hilger. 2,483,904, Oct. 4.
- Sanding machine. K. C. Atkin. 2,478,074, Aug. 2.
- Sanding machine. A. Loucony and H. Eick. 2,483,369, Sept. 27.
- Sanding machine, Bowling alley. J. W. Bryan. 2,489,398, Nov. 29.
- Sanding mechanism for automobiles, Road. F. L. Doud and S. H. Hunt. 2,484,985, Oct. 18.

- Sanding or buffing device. W. Smith. 2,492,372, Dec. 27.
Sanding pad. T. J. Miller. 2,491,510, Dec. 20.
Sandpaper holder. E. L. Bates. 2,465,569, Mar. 29.
Sandpaper holder. L. C. Brouty. 2,465,194, Mar. 22.
Sanitary catchall drain trap. S. L. Birnbaum. 2,467,547, Apr. 19.
Sanitary drinking glass cleaner. F. W. Bunch. 2,471,721, May 31.
Sanitary mousetrap. P. Rosen. 2,485,319, Oct. 18.
Sanitary napkin. C. A. Fourness. 2,464,640, Mar. 15.
Sanitary napkins and fastening anchorage loops thereto. C. G. Joa. 2,481,929, Sept. 13.
Sanitary pad. W. A. Hermanson. 2,468,876, May 8.
Sanitary plumbing. J. F. Molloy. 2,482,359, Sept. 20.
Sanitary pump. W. E. Bakewell. 2,461,624, Feb. 15.
Sanitary pump. W. E. Bakewell. 2,481,560, Sept. 13.
Sanitary swivel coupling. D. C. Warren. 2,486,451, Nov. 1.
Sanitary tray stand. J. Blasier. 2,463,081, Mar. 1.
Sapphire hollow articles, Method and apparatus for producing. R. H. Lester and M. C. Cannon. 2,471,437, May 31.
Sash and screen assembly. Storm. V. Van Fleet. 2,467,511, Apr. 19.
Sash balance. S. E. Smith. 2,483,068, Sept. 27.
Sash construction. J. T. Miller. 2,485,758, Oct. 25.
Sash holder. P. Bergman. 2,490,992, Dec. 13.
Sash holder. A. P. Gratkowski. 2,469,464, May 10.
Sash holding device. E. E. Montgomery. 2,470,832, May 24.
Sash lock. E. J. Albritton. 2,491,701, Dec. 20.
Sash lock. F. Granberg. 2,480,016, Aug. 23.
Sash retainer. J. C. Corcoran. 2,490,676, Dec. 6.
Saturable reactor regulator. S. E. Hedström and A. Söderholm. 2,465,451, Mar. 29.
Saturable reactor regulator. U. Lamm. 2,477,990, Aug. 2.
Saturated cyclic 2,1-azathionium compounds and making same. T. F. Lavine. 2,465,461, Mar. 29.
Sausage machine. P. A. Jacobson. 2,492,222, Dec. 27.
Sausage smoke rack. O. G. Mayer, Jr. 2,477,413, July 26.
Saver and hop cleaner. Petal. F. F. Dauenhauer. 2,475,823, July 12.
Saving power. G. D. Hanchett, Jr. 2,460,883, Feb. 8.
Saw, Chain. J. M. Entwistle. 2,485,962, Oct. 25.
Saw, Chain. S. E. M. Standal. 2,488,343, Nov. 15.
Saw, Circular. C. A. Burkett. 2,465,058, Mar. 22.
Saw clamp. T. Alger. 2,479,147, Aug. 16.
Saw, Combined slotting and cutoff portable. F. R. La Rosa. 2,468,214, Apr. 26.
Saw filing device. Hand-operated. J. E. Whetstone. 2,464,438, Oct. 11.
Saw-filing machine. E. R. Beverleigh. 2,460,331, Feb. 1.
Saw filing stand. R. J. Stiffelmire. 2,469,527, May 10.
Saw for cutting concrete and the like, Collapsible. W. H. Lewis. 2,468,336, Apr. 26.
Saw for cutting plaster casts, Hand manipulable motorized. E. J. Kupjack. 2,492,156, Dec. 27.
Saw handle and square, Combined. M. E. Peeples. 2,492,591, Dec. 27.
Saw holder. S. Rogers. 2,490,094, Dec. 6.
Sawhorse, Folding. C. O. Larson. 2,473,342, June 14.
Saw, Lever actuated remotely controlled drag. E. F. Paynter. 2,488,432, Nov. 15.
Saw, Masonry. N. C. Coates. 2,492,684, Dec. 27.
Saw, Meat and bone. A. H. Ahndt, J. G. Krenzke, and H. Stukart. 2,492,824, Dec. 27.
Sawmill construction. E. E. Esgate. 2,459,800, Jan. 25.
Sawmill with swinging work-cleaning auxiliary cutter. R. A. Critchfield. 2,478,807, Aug. 9.
Saw, Mobile hand-controlled jig. H. E. Rose, Sr. 2,490,281, Dec. 6.
Saw, Portable power actuated rim-driven annular. H. A. Chase. 2,490,255, Dec. 6.
Saw, Portable power-driven reciprocating. R. W. Phelps. 2,480,957, Sept. 6.
Saw, Power chain. A. L. Gannon. 2,481,835, Sept. 13.
Saw, Pruning. J. H. Jones. 2,479,495, Aug. 16.
Saw, Radial arm cutoff. J. E. and N. L. Kirk. 2,489,420, Nov. 29.
Saw rethooter and metal cutter. H. P. Deyarmond. 2,483,336, Sept. 27.
Saw, Rock. A. R. Snyder. 2,486,765, Nov. 1.
Saw set. A. M. Lezanski. 2,460,388, Feb. 1.
Saw set. J. J. Stocker. 2,460,198, Jan. 25.
Saw setting machine. H. O. Berry. 2,483,257, Sept. 27.
Saw setting machine. R. F. Paulson. 2,467,595, Apr. 19.
Saw setting machine. C. Stadick. 2,461,782, Feb. 15.
Saw-tooth voltage generator. G. W. Fyler. 2,458,366, Jan. 4.
Saw-tooth voltage generator. G. W. Fyler and G. J. Helsing. 2,458,367, Jan. 4.
Sawtooth wave generator. L. L. Johnson. 2,462,024, Feb. 15.
Saw, Tractor-mounted, timber-cutting, axially adjustable, power-driven. M. P. Zimlicki. 2,463,282, Mar. 1.
Saw, Tree-felling circular. C. V. Fuqua. 2,462,314, Feb. 22.
Sawing apparatus. G. H. Burt. 2,467,728, Apr. 19.
Sawing machine. I. F. Lundquist. 2,480,942, Sept. 6.
Sawing machine, Automatic metal. J. G. Mooli and L. W. McClellan. 2,491,901, Dec. 20.
Sawing machine, Rotatable table. J. Buday. 2,488,077, Nov. 15.
Saws, Intermittent feed-and-cut wood cutting. B. W. Andrus. 2,480,536, Aug. 30.
Saws, Portable power-driven tree felling circular. J. R. Crawford. 2,461,589, Feb. 15.
Saws, Vehicle mounted, swingable band-frame, logging. E. E. Whicher. 2,476,573, July 19.
Saxophone. E. J. Gillespie. 2,474,836, July 5.
Saxophone. H. Sommaruga. 2,471,290, May 24.
Scaffold. T. G. Di Santi. 2,469,716, May 10.
Scaffold. A. W. Du Perret. 2,468,186, Apr. 26.
Scaffold. L. C. Oertle and E. H. Simpson. 2,467,688, Apr. 19.
Scaffold. M. Sachs. 2,462,429, Feb. 22.
Scaffold. E. H. Simpson. 2,481,885, Sept. 13.
Scaffold and scaffold construction element. J. R. O'Donnell. 2,461,762, Feb. 15.
Scaffold construction. A. M. Paulson. 2,479,962, Aug. 23.
Scaffold, Knockdown. D. I. Weisz. 2,483,862, Oct. 4.
Scaffold plank, Metal. A. F. Pollman. 2,485,165, Oct. 18.
Scaffold structure for use in tube nest manufacture. W. Huber. 2,489,889, Nov. 29.
Scaffold, Window washer's. C. J. Roos. 2,491,621, Dec. 20.
Scaffolding. G. W. Causey. 2,478,088, Aug. 2.
Scaffolding. C. Haas. 2,483,341, Sept. 27.
Scaffolding. A. H. Hawes. 2,472,423, June 7.
Scaffolding. T. L. Wood. 2,465,143, Mar. 22.
Scaffolding bracket. G. E. Stich. 2,471,459, May 31.
Scaffolding clamp. A. H. Hawes. 2,476,863, July 19.
Scalding machine, Chicken. A. E. Mumper. 2,479,395, Aug. 16.
Scale, Adjustable. R. C. Gilbert. 2,480,725, Aug. 30.
Scale and the like, Letter. W. R. Amstutz. 2,458,129, Jan. 4.
Scale, Basic balance. I. N. Toftness. 2,487,956, Nov. 15.
Scale, Drawing. S. V. Tomko. 2,459,554, Jan. 18.
Scale, Electrical. D. D. Brodie. 2,470,427, May 17.
Scale for slide rules, Interchangeable. A. F. Eckel. 2,491,650, Dec. 20.
Scale for the blind, Weighing. G. B. Barton. 2,492,257, Dec. 27.
Scale for the weighing of poured-out substances, Automatic. M. K. Johannessen. 2,491,049, Dec. 13.
Scale, Hydraulic weighing. L. S. Williams. 2,473,083, June 14.
Scale, Letter. F. Griese. 2,487,539, Nov. 8.
Scale poise, Weighing. L. S. Williams. 2,473,084, June 14.
Scale, Printing. L. S. Williams. 2,483,989, Oct. 4.
Scale, Spring. B. M. Thun. 2,488,042, Nov. 15.
Scale, Step action buoyancy. P. S. Morgan. 2,487,664, Nov. 8.
Scale, Vehicle. J. D. Donaldson. 2,490,860, Dec. 13.
Scale, Vehicle. C. S. Poole. 2,482,027, Sept. 13.
Scale, Weighing. J. M. Benjamin. 2,476,399, July 19.
Scales, Weighing. M. A. Weckerly. 2,475,684, July 12.
Scale, Weighing and calculating. W. Patterson. 2,465,330, Mar. 22.
Scale, Weight. M. H. Hansen. 2,483,700, Oct. 4.
Scale wherein a drum is rotated by initial movement of the scale, Display. G. Marsden. 2,490,696, Dec. 6.
Scales, Spring testing. H. O. Hem. 2,458,704, Jan. 11.
Scaling, Preventing. W. J. Marencik and R. E. Ahlf. 2,458,715, Jan. 11.
Scalp conditioning cabinet. C. Fields. 2,458,901, Jan. 11.
Scalp treating device. F. Kelhoffer. 2,464,583, Mar. 15.
Scalper, Horizontal rotary. A. Axel. 2,469,943, May 10.
Scanner for register regulation, Photoelectric. F. Slamar. 2,486,334, Oct. 25.
Scanner unit, Radar. T. I. Moseley. 2,479,539, Aug. 16.
Scanning circuit. O. H. Schade. 2,480,511, Aug. 30.
Scanning device, Electron ray. P. M. G. Toulon. 2,467,786, Apr. 19.
Scanning device for cathode-ray oscillographs. H. G. Busignies. 2,480,837, Sept. 6.
Scanning device for copying machines, Photoelectric. E. A. Cooke and A. H. Greenhalgh. 2,464,293, Mar. 15.
Scanning device, Optical. J. A. C. Yule. 2,478,555, Aug. 9.
Scanning device, Web. M. O. Bassett. 2,458,926, Jan. 11.
Scanning sextant. W. H. Holman, III. 2,487,337, Nov. 8.
Scanning system, Discontinuous interlaced. P. M. G. Toulon. 2,479,880, Aug. 23.
Scanning system, Irregular interlace. L. F. Mayle. 2,472,774, June 7.
Scarecrow. G. E. W. Lewin. 2,488,509-10, Nov. 15.
Scaff. E. Dibrell. 2,479,731, Aug. 23.
Scaff, Neck. P. G. Danelz. 2,462,727, Feb. 22.
Scarfing a series of elongated steel bodies and apparatus therefor, Continuously thermochemically. S. B. Kirk. 2,487,974, Nov. 15.
Scarfing machine. D. L. Smith. 2,480,308, Aug. 30.
Scavenging system for air propeller gear drives. O. Thoresen. 2,492,020, Dec. 20.
Scavenging two-cycle internal-combustion engine. K. V. Anderson. 2,484,923, Oct. 18.
Schmidt image former with spherical aberration corrector. J. G. Baker. 2,458,132, Jan. 4.
Scissors jack. W. P. Brown. 2,467,657, Apr. 19.

- Scissors, Pinking. J. J. Carney. 2,490,414, Dec. 6.
 Scoop and siphon for water-cooling systems. J. H. Wilson. 2,462,450, Feb. 22.
 Scoop attachment for industrial trucks. L. L. Quailes and J. F. Hasler. 2,482,692, Sept. 20.
 Scoop attachment for tractors. B. F. Arps. 2,465,831, Mar. 29.
 Scoop construction for self-loading trucks. A. Lankovski and M. Graves. 2,470,779, May 24.
 Scoop controlled fluid coupling. J. Dolza and A. W. Gaubatz. 2,491,483, Dec. 20.
 Scoop for separable fastener stringers. L. H. Morin. 2,491,198, Dec. 13.
 Scoop for separable fastener stringers, Coreless. L. H. Morin. 2,491,197, Dec. 13.
 Scoop for separable fasteners, Universally united. L. H. Morin. 2,460,525, Feb. 1.
 Scoop, Handy stoker. O. L. Hulstedt. 2,473,647, June 21.
 Scoop or ladle, Measuring. C. C. Spreen. 2,459,466, Jan. 18.
 Scoop or shovel for tractors, Power. M. Gengelbach. 2,467,617, Apr. 19.
 Scoop, Power. T. S. Scribner. 2,462,432, Feb. 22.
 Scoop, Tractor-mounted material. C. W. Mott. 2,482,286, Sept. 20.
 Scooter. L. K. Klinker. 2,466,173, Apr. 5.
 Scooter, Child's. G. A. Reid. 2,460,395, Feb. 1.
 Scooter construction. A. J. Tibores and J. Zsinor. 2,486,689, Nov. 1.
 Scooter construction. J. Zsinor and A. J. Tibores. 2,468,910, May 3.
 Scooter, Snow. G. D. Peterson. 2,487,173, Nov. 8.
 Scooter, Treadle. J. Q. Hoffman. 2,466,105, Apr. 5.
 Scoreboard. P. Cusano. 2,461,811, Feb. 15.
 Scoreboard for shuffleboards and the like, Illuminated. F. P. Ott. 2,480,504, Aug. 30.
 Scoreboard, Peg. J. W. Richardson. 2,477,825, Aug. 2.
 Scorekeeper, Cribbage. N. C. Fetter. 2,482,663, Sept. 20.
 Score keeping device, Baseball. W. C. Adams. 2,481,709, Sept. 13.
 Scoring device for games. F. J. Gunther. 2,491,262, Dec. 13.
 Scoring device, Game. C. G. and J. G. Perry. 2,492,592, Dec. 27.
 Scoring device, Golf. B. M. O'Connor. 2,489,805, Nov. 29.
 Scouring and bleaching wool, Simultaneously. A. L. Dubeau. 2,481,205, Sept. 6.
 Scouring and like roll. J. H. Franklin. 2,477,243, July 26.
 Scouring apparatus. C. A. Dreisbach. 2,460,926, Feb. 8.
 Scouring cellulosic textiles using steam. G. P. Vincent and A. L. Dubeau. 2,469,249, May 3.
 Scouring pad. N. O. Ellström. 2,461,468, Feb. 8.
 Scouring powder, Abrasive. L. R. Bacon and T. H. Vaughn. 2,489,848, Nov. 29.
 Scow, Dump. J. K. Munson. 2,476,108, July 12.
 Scrap removing device. H. F. Allen. 2,462,707, Feb. 22.
 Scraper. G. J. Teigland. 2,484,476, Oct. 11.
 Scraper, Carrying. H. D. Kadz. 2,458,274, Jan. 4.
 Scraper, Cervical. J. E. Ayre. 2,471,088, May 24.
 Scraper construction, Drag. H. J. Clemmer. 2,482,320, Sept. 20.
 Scraper control. R. G. Le Tourneau. 2,477,811, Aug. 2.
 Scraper, Dump truck. G. C. and E. M. Malone. 2,463,987, Mar. 8.
 Scraper, Electrically heated paint. W. M. Collins. 2,491,716, Dec. 20.
 Scraper for battery posts. R. J. Plumley. 2,475,514, July 5.
 Scraper for disks of grain drills. T. W. Paul. 2,489,385, Nov. 29.
 Scraper for freezing apparatus. C. Erickson and E. Spellman. 2,470,691, May 17.
 Scraper, Hog. C. Waters. 2,481,182, Sept. 6.
 Scraper, Oilwell casing. O. Hammer. 2,464,390, Mar. 15.
 Scraper, Paraffin. G. McCray and R. H. Smith. 2,486,308, Oct. 25.
 Scraper, Rotary earth. E. V. Collins. 2,473,786, June 21.
 Scraper, Self-loading. R. G. Le Tourneau. 2,490,810, Dec. 6.
 Scraping and sanding machine, Floor. J. T. Simpson. 2,488,834, Nov. 22.
 Scraping apparatus. T. E. Booth. 2,465,192, Mar. 22.
 Scraping instrumentalities for carrying scrapers, Bank. P. Zakel. 2,475,301, July 5.
 Scribed strip, Precast. R. C. Faulwetter. 2,491,488, Dec. 20.
 Screen: See—
 Adjustable screen.
 Adjustable window screen.
 Automobile window screen.
 Cascade phosphor screen.
 Disk pulp screen.
 Fireplace screen.
 Fluorescent light screen.
 Garment hanging screen.
 Motion-picture screen.
 Projection screen.
 Rear-projection screen.
 Roller window screen.
 Variable filter screen.
 Vertically reciprocating gyrotary screen.
 Well screen.
 Window screen.
 X-ray screen.
 Screen. R. E. Bemis and J. C. McMillan. 2,470,129, May 17.
 Screen and storm sash hanger. G. M. Gould. 2,475,887, July 12.
 Screen and storm window, Combination. E. Madriguera. 2,474,747, June 28.
 Screen and Venetian blind unit for window frames, Combined. W. M. Kellogg. 2,467,431, Apr. 19.
 Screen electrode, Shading compensating mosaic. S. F. Essig. 2,467,734, Apr. 19.
 Screen for cinematographic and other projections, Composite. L. Darimont. 2,484,334, Oct. 11.
 Screen for decontaminators, Inlet. C. S. Taylor. 2,468,382, Apr. 26.
 Screen for gutters. J. H. Ours. 2,469,841, May 10.
 Screen for hammer mills, Adjustable. G. A. Delp. 2,488,714, Nov. 22.
 Screen for oil pans, Replacement. S. J. Leazer. 2,480,486, Aug. 30.
 Screen for optical displacement gauges. J. H. Long. 2,472,380, June 7.
 Screen for picture projections. F. Waller. 2,476,521, July 19.
 Screen for projectors, Heat absorbing. H. Osterberg, J. R. Roebuck, and P. W. Collyer. 2,464,887, Mar. 22.
 Screen for use in association with fire nozzles. E. J. Baume. 2,491,796, Dec. 20.
 Screen for use in the manufacture of printing plates, Halftone. W. S. Marx, Jr. 2,468,680, Apr. 26.
 Screen having cutter blades, Vegetable pulp shredder. D. B. Vincent. 2,490,564, Dec. 6.
 Screen, Luminescent. G. Levy. 2,475,330, July 5.
 Screen patch and producing same. C. Robbins, II. 2,487,830, Nov. 15.
 Screen, Television receiver. C. G. Smith. 2,473,825, June 21.
 Screen with adjustable longitudinal partition. C. S. Lincoln. 2,479,945, Aug. 23.
 Screen with auxiliary perforate baffles on operating face, Mill. A. W. Bond. 2,465,056, Mar. 22.
 Screen with vacuum control therefor, Vibrating. L. H. Logue. 2,462,878, Mar. 1.
 Screening. F. W. Benedict. 2,462,595, Feb. 22.
 Screening apparatus, Pulp. T. A. Dickson. 2,463,526, Mar. 8.
 Screening apparatus, Sewage. A. J. Fischer. 2,467,021, Apr. 12.
 Screening apparatus, Unbalanced weight vibratory. W. and W. N. Barker. 2,465,833, Mar. 29.
 Screens for cathode-ray oscilloscopes, Producing coordinate. W. Lubin. 2,487,817, Nov. 15.
 Screens, Manufacture of photographic fine contact. J. A. C. Yule and F. B. Johnston. 2,478,443, Aug. 9.
 Screw: See—
 Distributor screw.
 Screw. H. L. Dewar. 2,479,730, Aug. 23.
 Screw actuated tire press with circumferentially distributed thrust elements. T. Kelly. 2,485,202, Oct. 18.
 Screw and driver. D. F. Lavietes. 2,458,391, Jan. 4.
 Screw and insert assembly. G. K. Gaumer. 2,490,683, Dec. 6.
 Screw and making the same, Lead. J. J. Osplack. 2,475,045, July 5.
 Screw and nut, Antifriction. W. B. Barnes. 2,473,743, June 21.
 Screw and nut mechanism. T. W. Millns. 2,468,506, Apr. 26.
 Screw and nut release, Automatic. H. F. Clark. 2,472,002, May 31.
 Screw and nut starter and alignment tool. C. E. James. 2,492,576, Dec. 27.
 Screw assembly, Captive. R. J. Whelan and R. A. Reich. 2,460,613, Feb. 1.
 Screw clamp cable coupling. R. L. Lock. 2,485,834, Oct. 25.
 Screw closure, Sheet metal. S. A. Bennett. 2,483,964, Oct. 4.
 Screw closure, Tamperproof. D. L. Spender. 2,470,057, May 10.
 Screw, Conveyer. A. B. Carlson. 2,492,915, Dec. 27.
 Screw conveying steam distilling apparatus for pomace. E. K. Metzner. 2,459,951, Jan. 25.
 Screw crank, C-clamp. W. P. Rader. 2,464,941, Mar. 22.
 Screw driver. A. F. Alexander. 2,472,392, June 7.
 Screw driver. A. T. Loewy. 2,487,155, Nov. 8.
 Screw driver. S. P. Wheeler. 2,474,295, June 28.
 Screw driver construction, Detachable bit. G. L. Rock. 2,483,563, Oct. 4.
 Screw driver having expanding screw holding bit. E. L. Millen. 2,472,673, June 7.
 Screw driver, Releasable. G. E. McVey. 2,491,325, Dec. 13.
 Screw driver, Rotary impact type. E. Turgeon. 2,484,765, Oct. 11.
 Screw driver, Screw gripping. E. T. Dausch. 2,490,211, Dec. 6.
 Screw driver set, Thimble. J. A. Leniz. 2,482,350, Sept. 20.
 Screw driver, Spring-driven. A. Gunning. 2,474,626, June 28.
 Screw driver, Torque measuring. R. E. Booth. 2,464,372, Mar. 15.
 Screw fastener. R. K. F. Baumle. 2,484,645, Oct. 11.
 Screw feeder and crusher mechanism with means to automatically eject indestructible oversize foreign matter, Reversible. R. N. Dulaney. 2,475,225, July 5.

- Screw jack. E. C. Wahlberg. 2,482,082, Sept. 13.
 Screw-operated vise having a rack-engaging nut-actuated rocking pawl for quick adjustment. B. R. Zitner. 2,464,630, Mar. 15.
 Screw-operated vise having vertically adjustable and guided nut-block mounting and guiding a horizontally movable vise-jaw. H. Fuhr. 2,484,339, Oct. 11.
 Screw propeller steering and depth regulation apparatus. H. P. Brown and A. G. Armstrong. 2,466,635, Apr. 5.
 Screw pump. G. Rathman. 2,460,310, Feb. 1.
 Screw, Self-locking and sealing. O. J. Poupitch. 2,484,644, Oct. 11.
 Screw, Self-locking tappet. C. E. Johnson. 2,473,752, June 21.
 Screw type air pump. W. W. Paget. 2,477,004, July 26.
 Screw variator. Lead. K. H. Wills. 2,492,251, Dec. 27.
 Screwed sleeve electrical connector. W. C. Sealey. 2,468,785, May 3.
 Scriber attachment, Try square. W. K. Beith. 2,466,357, Apr. 5.
 Scriber, Height gauge. E. P. Jensen. 2,491,612, Dec. 20.
 Scrooping composition. S. Kaplan. 2,482,917, Sept. 27.
 Scrubber for rubber bales. V. A. Rayburn. 2,492,065, Dec. 20.
 Scrubber, Sand. C. H. Allen. 2,477,948, Aug. 2.
 Scrubbing and mopping device. T. S. and P. S. Vosbikian. 2,472,781, June 7.
 Scuttle, Escape. J. P. Castellano. 2,488,524, Nov. 22.
 Scuttle, Escape. D. G. Wilson. 2,476,471, July 19.
 Sea animal products, Treating. E. Mathiesen. 2,461,651, Feb. 15.
 Sea wall, Self-adjusting. S. M. Pontiere. 2,462,775, Feb. 22.
 Seal. G. R. Aschauer. 2,469,588, May 10.
 Seal. W. M. Brooks. 2,487,419, Nov. 8.
 Seal. G. R. Coss. 2,469,065, May 3.
 Seal. E. W. Courtier. 2,468,924, May 3.
 Seal. J. M. Davies. 2,480,908, Sept. 6.
 Seal. R. C. Hamilton and E. S. Rothchild. 2,359,642, Jan. 18.
 Seal. R. O. Isenbarger. 2,489,781, Nov. 29.
 Seal. W. Noble. 2,461,655, Feb. 15.
 Seal. P. Pevney. 2,472,724, June 7.
 Seal. N. S. Reynolds. 2,482,029, Sept. 13.
 Seal. P. L. Smith and L. E. Williams, Jr. 2,481,357, Sept. 6.
 Seal. J. E. Storer and A. J. Timmer. 2,489,545, Nov. 29.
 Seal. T. M. Ulseth. 2,478,140, Aug. 2.
 Seal. R. J. Vedovell. 2,478,067, Aug. 2.
 Seal. R. J. Vedovell. 2,491,233, Dec. 13.
 Seal and buffer gasket for pipe couplings, Thread. L. D. Hilton. 2,487,241, Nov. 8.
 Seal and fastener, Sack and bag. J. T. Greenslade. 2,465,646, Mar. 29.
 Seal and lubrication system, Combined. W. G. Lundquist and F. P. Sollinger. 2,463,890, Mar. 8.
 Seal and reinforcement for slide fastener closures, Inside. I. Rubin. 2,492,655, Dec. 27.
 Seal apparatus, Junction. T. R. Thomas. 2,459,201, Jan. 18.
 Seal around a cleaning element entering a combustion chamber. D. E. Hibner and F. C. Arey. 2,477,334, July 26.
 Seal arrangement, Shaft. L. Hanson. 2,479,236, Aug. 16.
 Seal assembly. H. Allen. 2,466,294, Apr. 5.
 Seal assembly. H. Allen. 2,491,599, Dec. 20.
 Seal assembly. N. E. Waag. 2,480,529, Aug. 30.
 Seal assembly for gyratory crushers. R. R. Shafter. 2,489,936, Nov. 29.
 Seal, Axial contact. F. A. Schick. 2,479,968, Aug. 23.
 Seal, Bag. W. M. Brooks. 2,480,543, Aug. 30.
 Seal, Balanced, cooled, and lubricated rotary. C. F. Voytech. 2,470,419, May 17.
 Seal, Bearing. H. Jensen. 2,463,695, Mar. 8.
 Seal, Bearing. C. D. Magnes. 2,461,907, Feb. 15.
 Seal, Bellows. J. B. Jenkins. 2,464,136, Mar. 8.
 Seal, Bituminous pipe. M. Greenbaum. 2,484,407, Oct. 11.
 Seal, Carboy. S. R. McQuain. 2,465,811, Mar. 29.
 Seal construction, Shaft. B. J. Shelton. 2,463,568, Mar. 8.
 Seal, Diaphragm-type. V. E. Vorhees. 2,461,710, Feb. 15.
 Seal, Diaphragm-type mechanical. C. F. Voytech. 2,465,499, Mar. 29.
 Seal, Double. F. E. Payne. 2,472,264, June 7.
 Seal, drip tube, and dispensing unit, Combination. J. Shaw. 2,458,106, Jan. 4.
 Seal, Dry cell and battery. A. M. MacFarland. 2,485,397, Oct. 18.
 Seal, Electric tubular heater terminal. A. P. Charbonneau and E. W. Seeger. 2,489,998, Nov. 29.
 Seal, Electron discharge device. P. R. Hanson and H. W. Ulmer. 2,460,575, Feb. 1.
 Seal, Flexible diaphragm. J. W. Devorss, Jr. 2,488,968, Nov. 22.
 Seal, Fluid. L. D. Cahill and R. M. Denham. 2,466,302, Apr. 5.
 Seal, Fluid. P. I. Cole. 2,486,928, Nov. 1.
 Seal, Fluid. F. A. Helfrecht. 2,467,210, Apr. 12.
 Seal, Fluid. P. F. Niessen and R. G. Welk. 2,485,011, Oct. 18.
 Seal, Fluid. C. D. Peterson and A. H. Deimel. 2,463,714, Mar. 8.
 Seal, Fluid. R. G. Roshong. 2,479,265, Aug. 16.
 Seal, Fluid. J. H. Victor. 2,483,988, Oct. 4.
 Seal, Fluid. C. T. Voytech. 2,467,543, Apr. 19.
 Seal, Fluid. L. W. Wightman. 2,478,649, Aug. 9.
 Seal, Fluid. R. T. Zwack. 2,489,212, Nov. 22.
 Seal for centrifugal pumps. D. Murphy. 2,479,178, Aug. 16.
 Seal for controlled atmosphere muffle furnaces. P. M. Hulme. 2,480,293, Aug. 30.
 Seal for electric cable systems, Stress cone. J. H. Palmer. 2,492,437, Dec. 27.
 Seal for electric lamps and similar devices, Internal exhaust. P. O. Cartun. 2,473,860, June 21.
 Seal for electric terminals and the like, Hermetic. S. H. Stupakoff. 2,458,748, Jan. 11.
 Seal for electric vacuum tubes and the like, Current lead-in. W. T. Gibson. 2,465,369, Mar. 29.
 Seal for filler tubes. W. C. Weis. 2,474,503, June 28.
 Seal for floating roof tanks. J. W. Allen. 2,490,767, Dec. 13.
 Seal for floating roof tanks. F. L. Goldsby and C. M. Orr. 2,464,804, Mar. 22.
 Seal for floating roofs. I. E. Roberg. 2,471,404, May 31.
 Seal for floating roofs. F. D. Moyer. 2,459,178, Jan. 18.
 Seal for floating tank covers. F. L. Plummer. 2,478,422, Aug. 9.
 Seal for fluid pressure motor vanes. G. G. Davis. 2,466,389, Apr. 5.
 Seal for flush valves, Piston. E. A. Frederickson. 2,470,925, May 24.
 Seal for gas compressors. E. Nathan. 2,461,294, Feb. 8.
 Seal for gas turbines, Diaphragm. W. A. Ledwith. 2,470,780, May 24.
 Seal for high-pressure reactors. P. H. Karlsson and A. Jensen. 2,480,248, Aug. 30.
 Seal for hot-water tanks. A. Pokras. 2,486,675, Nov. 1.
 Seal for lifter roof storage tanks. H. C. Boardman, F. L. Goldsby, and C. M. Orr. 2,464,789, Mar. 22.
 Seal for oscillating or rotating shafts. T. R. Smith. 2,492,402, Dec. 27.
 Seal for pipe-line fittings. L. S. Hamer. 2,462,493, Feb. 22.
 Seal for preheaters, Adjustable circumferential. W. D. Yerrick and J. C. Vickland. 2,471,995, May 31.
 Seal for reciprocating rods, Gas. G. E. Cartier. 2,465,633, Mar. 29.
 Seal for resisting high pressures. D. J. Whittingham. 2,462,586, Feb. 22.
 Seal for rotary joints, Pressure. F. W. Koller. 2,481,430, Sept. 6.
 Seal for rotary kilns. S. J. Robison. 2,469,078, May 3.
 Seal for rotatable members. C. O. Peterson. 2,467,049, Apr. 12.
 Seal for rotating equipment, Reed. W. C. Kellogg and E. Hanshaw. 2,459,654, Jan. 18.
 Seal for rotating shafts, Cartridge type. A. Arutunoff. 2,479,711, Aug. 23.
 Seal for rotating shafts, Fluid. H. H. Looke. 2,489,191, Nov. 22.
 Seal for turbines, Diaphragm. C. R. Soderberg. 2,461,243, Feb. 8.
 Seal for valve plugs, Bellows. G. T. Downey. 2,472,652, June 7.
 Seal for wave guides, Vacuum. J. W. Coltman. 2,467,730, Apr. 19.
 Seal, Journal box. M. D. Pattullo and R. J. Shanahan. 2,487,669, Nov. 8.
 Seal means or the like, Oil. O. Brummer. 2,480,116, Aug. 30.
 Seal nut, Universal. L. B. Courtot. 2,464,379, Mar. 15.
 Seal, Oil. A. M. Chambers, Jr. 2,466,533, Apr. 5.
 Seal, Oil. A. F. Gardner. 2,471,679, May 31.
 Seal, Oil. R. S. Gregoire. 2,480,464, Aug. 30.
 Seal, Oil. W. A. Stearns. 2,466,335, Apr. 5.
 Seal, Oil. A. P. Yaros. 2,486,988, Oct. 25.
 Seal, Pipe joint. A. L. Stone. 2,474,556, June 28.
 Seal, Piston. G. H. Hufferd and J. N. Paquin. 2,466,428, Apr. 5.
 Seal, Pressure. N. A. Christensen. 2,467,370, Apr. 19.
 Seal, Pressure. W. Kasten. 2,459,652, Jan. 18.
 Seal, Pressure. W. Kasten. 2,481,121, Sept. 6.
 Seal, Regulator. K. L. Berninger. 2,467,955, Apr. 19.
 Seal, Resilient lubricant. L. R. Buckendale. 2,462,067, Feb. 22.
 Seal, Rotary. E. J. Carleton. 2,458,343, Jan. 4.
 Seal, Rotary drier. L. W. Jillson. 2,473,710, June 21.
 Seal, Rotating vacuum. G. A. Juhlin, H. Barnes, and C. H. Walker. 2,488,200, Nov. 15.
 Seal, Self-contained fluid. F. E. Payne. 2,480,506, Aug. 30.
 Seal, Shackle. W. M. Brooks. 2,481,815, Sept. 13.
 Seal, Shaft. E. W. Bourne, Jr. 2,488,465, Nov. 15.
 Seal, Shaft. C. E. Fitch. 2,487,230, Nov. 8.
 Seal, Shaft. K. A. Holst. 2,469,114, May 3.
 Seal, Shaft. D. E. Jack. 2,467,312, Apr. 12.
 Seal, Shaft. O. Jacobsen. 2,473,061, June 14.
 Seal, Shaft. O. Larsen. 2,475,550, July 5.
 Seal, Shaft. E. J. Marslek. 2,465,546, Mar. 29.
 Seal, Shaft and bearing. T. R. Smith. 2,467,099, Apr. 12.
 Seal, Shrouded rotary. C. W. and H. W. Stratford. 2,481,888, Sept. 13.

- Seal, Supercharger. D. P. Eastman. 2,484,275, Oct. 11.
 Seal, Valve. L. B. Courtot. 2,490,511, Dec. 6.
 Seal, Water pump. K. B. Gillespie. 2,482,414, Sept. 20.
 Seal with "O" ring, Shaft. F. E. Payne. 2,464,989, Mar. 22.
 Sealed coupling. A. T. Scheiwer. 2,461,700, Feb. 15.
 Sealed sleeve bearing. R. W. Schuck. 2,482,518, Sept. 20.
 Sealer. F. N. Irwin, Jr. 2,465,310, Mar. 22.
 Sealer. F. N. Irwin, Jr. 2,470,852, May 24.
 Sealer, Automatic ampoule. A. F. Piszal. 2,491,762, Dec. 20.
 Sealers embodying polyvinyl butyral resins, Sanding. D. R. Swan. 2,469,319, May 3.
 Sealing and crimping machine, Power-operated hydraulic. L. L. Salfisberg. 2,476,629, July 19.
 Sealing and discharging device, Ampoule. H. R. Fry, Jr. 2,482,969, Sept. 27.
 Sealing and positioning means for grinder mechanisms or the like. R. S. Dewey. 2,473,513, June 21.
 Sealing apparatus, Flame. A. G. Hewitt and S. F. Clement. 2,459,235, Jan. 18.
 Sealing apparatus, Flame. R. McDowall. 2,459,234, Jan. 18.
 Sealing arrangement for the shafts of turbomachines of thermal power plants in which the greater part of a gaseous medium continuously describes a closed cycle under pressure above atmospheric. C. Keller. 2,485,447, Oct. 18.
 Sealing assembly. G. F. P. Reich. 2,476,324, July 19.
 Sealing closure, Frangible. P. G. MacGregor. 2,476,748, July 19.
 Sealing composition containing asphalt, N-butyl methacrylate and cetyl acetamide wax. W. P. Lowden. 2,486,487, Nov. 1.
 Sealing composition, Moistureproof heat. J. P. Sermattei. 2,490,550, Dec. 6.
 Sealing composition, Puncture. C. O. Hopping. 2,469,039, May 3.
 Sealing compositions containing chlorinated diphenyl and graphite. L. L. Rector and C. L. Cron. 2,471,010, May 24.
 Sealing deposits in wells, Forming. P. H. Cardwell. 2,485,527, Oct. 18.
 Sealing device. W. M. Brooks. 2,465,349, Mar. 29.
 Sealing device. N. A. Christensen. 2,471,933, May 31.
 Sealing device. C. Guiler. 2,483,827, Oct. 4.
 Sealing device. W. Kriegshelm. 2,492,530, Dec. 27.
 Sealing device. A. H. Lockhead. 2,487,659, Nov. 8.
 Sealing device fender for fluid containers. J. H. Wiggins. 2,478,730, Aug. 9.
 Sealing device, Fluid. J. H. F. Stewart. 2,481,793, Sept. 13.
 Sealing device for coke ovens with movable walls. F. Puening and A. L. Bower. 2,490,090, Dec. 6.
 Sealing device for dry cells. G. B. Ellis. 2,457,810, Jan. 4.
 Sealing device for high-pressure vessels. J. F. Mason. 2,467,061, Apr. 12.
 Sealing earth formations and an earth sealing plug suitable therefor. M. C. Dailey. 2,492,212, Dec. 27.
 Sealing electrodes in envelopes of electron discharge tubes, Method and apparatus for. C. V. Litton. 2,492,162, Dec. 27.
 Sealing empty cans. P. T. Lemmel. 2,471,332, May 24.
 Sealing end for high-voltage electric cables. L. G. Brazier and D. T. Hollingsworth. 2,474,930, July 5.
 Sealing head mechanism. C. B. Young. 2,462,928, Mar. 1.
 Sealing machine, Bundle. W. L. Irvine. 2,460,751, Feb. 1.
 Sealing machine, Package. E. B. Doolin. 2,477,968, Aug. 2.
 Sealing machine, Spout. P. E. Fischer and E. Ardell. 2,483,458, Oct. 4.
 Sealing machine, Vacuum. S. H. Berch. 2,482,609, Sept. 20.
 Sealing material. W. P. Marshall. 2,460,181, Jan. 25.
 Sealing means. J. R. Frei. 2,460,740, Feb. 1.
 Sealing means. C. C. Sterrett. 2,470,664, May 17.
 Sealing means and method for spark plugs. K. Schwartzwalder and C. F. Schaefer. 2,469,211, May 3.
 Sealing means for cartons. M. G. Rodriguez. 2,489,817, Nov. 29.
 Sealing means for lifter roof tanks. D. E. Larson. 2,490,820, Dec. 13.
 Sealing means for mixing drums of end-loading transit mixers. R. C. Bohannan. 2,476,023, July 12.
 Sealing means for revolving distributors of blast furnaces, Pressure. A. Mohr, Jr., and J. P. Grilli. 2,486,312, Oct. 25.
 Sealing means for the joints between the movable and stationary walls of an adjustable wind tunnel nozzle. J. O. Jackson. 2,486,287, Oct. 25.
 Sealing means for valves. H. L. Beekley. 2,492,030, Dec. 20.
 Sealing means for well heads, Joint. A. J. Penick. 2,480,955, Sept. 6.
 Sealing means, Piston. W. H. Du Bois. 2,483,313, Sept. 27.
 Sealing means, Piston. S. Vernet. 2,474,132, June 21.
 Sealing of anodized aluminum surfaces, Electrolytic. J. F. Mason and A. H. Beebe, Jr. 2,469,237, May 3.
 Sealing ring for centrifugal devices. R. D. Acton. 2,482,570, Sept. 20.
 Sealing structure, Piston. M. W. Huber. 2,468,980, May 3.
 Sealing the ends of duplex insulated webs in roll form, and product thereof. W. C. Curtis, Jr. 2,466,387, Apr. 5.
 Sealing unit. F. E. Brady, Jr. 2,467,960, Apr. 19.
 Seals, Making glass-to-metal. J. E. Beggs. 2,486,101, Oct. 25.
 Seam and making the same, Ravelproof. F. F. Zeiler. 2,487,988, Nov. 15.
 Seam forming apparatus, Can body side. E. Laxo. 2,465,239, Mar. 22.
 Seam, Invisible. B. Gottlieb. 2,461,542, Feb. 15.
 Seamed pipe lock. J. H. Boardman. 2,463,593, Mar. 8.
 Seaming apparatus, Electrical. N. V. Christensen, H. J. Le Ves Conte, and A. M. Schweda. 2,458,059, Jan. 4.
 Sear-control means for firearms. H. L. Crockett. 2,482,842, Sept. 27.
 Sear for automatic and semi-automatic firearms, Automatic. W. C. Roemer. 2,469,053, May 3.
 Sear mechanism. V. H. Wesson. 2,462,585, Feb. 22.
 Sear release mechanism. J. L. Lochhead. 2,462,114, Feb. 22.
 Sear-releasing mechanism for firearms, Automatic. D. M. Williams. 2,461,670, Feb. 15.
 Search and warning light. J. D. Kennelly. 2,486,853, Nov. 1.
 Searchlight and boat running light, Combined. W. G. Tulowiecki. 2,464,734, Mar. 15.
 Seat: See—
 Adjustable automobile seat. Resilient seat.
 Adjustable fishing reel seat. Reversible seat.
 Baby seat. Rotatable auxiliary seat.
 Collapsible or folding infant's auto seat. Sportsman's swivel seat.
 Fly reel seat. Stadium seat.
 Folding seat. Suspension spring seat.
 Portable foldable seat. Toilet seat.
 Ultraviolet ray toilet seat.
 Valve seat.
 Seat. C. H. Brown. 2,465,630, Mar. 29.
 Seat. K. L. Emberson. 2,473,365, June 14.
 Seat. S. B. McDonald. 2,458,185, Jan. 4.
 Seat. M. C. Teague. 2,488,993, Nov. 22.
 Seat and article-receiving chamber, Combined. W. L. Lister. 2,491,671, Dec. 20.
 Seat and back, Chair. K. Kopplin. 2,488,728, Nov. 22.
 Seat and bed, Combination love. J. J. Pesta. 2,489,105, Nov. 22.
 Seat and car, Convertible child's. F. White. 2,460,557, Feb. 1.
 Seat and leg rest arrangement. F. L. Murphy and C. H. Apel. 2,481,943, Sept. 13.
 Seat and table, Baby's. C. D. Anderson. 2,466,350, Apr. 5.
 Seat and the like. B. A. Christie. 2,492,268, Dec. 27.
 Seat attachment, Infant's toilet. G. A. Muller. 2,480,812, Aug. 30.
 Seat construction, Spring. J. M. Nickelsen and C. E. Read. 2,484,722, Oct. 11.
 Seat construction, Spring. S. Overby. 2,485,650, Oct. 25.
 Seat construction, Vehicle. B. D. McIntyre and C. E. Read. 2,486,048, Oct. 25.
 Seat construction, Vehicle. G. L. White and C. H. Diedrich. 2,470,907, May 24.
 Seat for aircraft. S. H. Stoner and H. F. Matthews. 2,466,061, Apr. 5.
 Seat for aircrafts, Sling type. P. F. Scholander. 2,459,843, Jan. 25.
 Seat for airplanes, Jettisonable. R. A. Robert. 2,476,770, July 19.
 Seat for barber chairs, Child's. E. L. Connelly. 2,469,548, May 10.
 Seat, especially for rail cars. J. W. Patton. 2,472,339, June 7.
 Seat for small boats. A. A. Apel. 2,472,185, June 7.
 Seat for use with rangefinders, heightfinders and other optical observation instruments, Observers'. J. M. Strang and C. Foster. 2,475,528, July 5.
 Seat for vehicles, Adjustable. J. B. Robins. 2,485,111, Oct. 18.
 Seat releasing and circulating overshot, Multiple. D. W. Osmun. 2,491,392, Dec. 13.
 Seat structure, Adjustable. A. Lorenz. 2,474,264, June 28.
 Seat structure, Convertible. J. R. Thomas. 2,467,638, Apr. 19.
 Seat suspension for all implements. H. C. Rose. 2,489,981, Nov. 29.
 Seat with footrest, Portable child's. O. H. Hewitt, Jr. 2,489,087, Nov. 22.
 Seating for stadiums or gymnasiums. B. D. Easterwood. 2,466,982, Apr. 12.
 Secondary amines of 3,3 bis(p-aminophenyl) phthalide. C. S. Adams. 2,474,084, June 21.
 Secondary electron emission tube. W. Soller. 2,458,539, Jan. 11.
 Secret communication employing signal sequence switching. L. A. Thompson. 2,482,039, Sept. 13.
 Secret communication, Method and system of. C. E. Atkins. 2,463,502, Mar. 8.
 Section for buildings and a seal for joints between sections, Prefabricated. J. W. Galloway. 2,480,642, Aug. 30.

- Section for wave guides, Flexible. E. H. Meier and H. J. Schlafly, Jr. 2,464,598, Mar. 15.
- Section lining device. E. Sokolik. 2,477,212, July 26.
- Sectional boiler. N. Achey. 2,469,253, May 3.
- Sectional cabinet structure. E. C. Hake. 2,482,174, Sept. 20.
- Sectional cutting table. H. W. Gilbert and W. Deichmann. 2,484,283, Oct. 11.
- Sectional enclosure, Portable. E. A. Williams. 2,475,416, July 5.
- Sectional heater. R. C. Wittman. 2,487,626, Nov. 8.
- Sectional hinged fold holder. F. W. Steinmeyer. 2,474,552, June 28.
- Sectional radio cabinet. J. J. Bauman. 2,468,727, May 3.
- Sectionizing citrus fruit, Method and apparatus for. R. Polk, Sr. and Jr. 2,489,195, Nov. 22.
- Sector adcock system. N. Marchand. 2,465,384, Mar. 29.
- Sector antenna switching. S. H. M. Dodington. 2,485,576, Oct. 25.
- Securing a pipe fitting to a plate, wall, or the like. P. G. Caldwell, and L. W. Hope-Walton. 2,472,569, June 7.
- Securing articles to walls and the like. L. Friedman. 2,478,577, Aug. 9.
- Securing device. L. N. Chatterton. 2,458,252, Jan. 4.
- Securing device, Knob. W. A. Anderson. 2,491,356, Dec. 13.
- Securing means. P. G. Frerer. 2,483,042, Sept. 27.
- Securing means and using same, Carton. R. C. Potts. 2,463,306, Mar. 1.
- Securing means for demountable wheels. C. W. Sinclair. 2,482,378, Sept. 20.
- Securing means for electrical high-vacuum vessels. G. J. Persson. 2,482,433, Sept. 20.
- Securing means for furniture, Top. J. R. Jones. 2,461,823, Feb. 15.
- Securing means for water-tight doors, Quick-acting. D. G. Wilson. 2,460,961, Feb. 8.
- Securing means, Tire chain. P. C. Stark. 2,478,335, Aug. 9.
- Securing ornamental effects in textiles. W. P. Hall. 2,488,397, Nov. 15.
- Securing parts to rotor blade spars, Process of and apparatus for. J. T. Parsons and E. R. Brogren. 2,483,230, Sept. 27.
- Seed crystals, Growing p-type. B. R. F. Kjellgren. 2,468,761, May 3.
- Seed cultures of filamentous organisms. M. J. Vander Brook and G. M. Savage. 2,488,248, Nov. 15.
- Seed extractor. W. D. Peel. 2,485,653, Oct. 25.
- Seed for production of titanium dioxide and making same. M. J. Mayer. 2,480,869, Sept. 6.
- Seed harvester. R. W. Fort. 2,481,652, Sept. 13.
- Seed manufacture, Rutile. L. Aagaard. 2,488,755, Nov. 22.
- Seed potato cutter. E. Stevens. 2,479,982, Aug. 23.
- Seeder, Beet. J. B. Robins and J. K. Rose. 2,463,807, Mar. 8.
- Seeding gardens, Method of and apparatus for. J. W. Heatley. 2,465,227, Mar. 22.
- Seeds for dehiscing, Preparing gum-containing. B. Chiego. 2,470,750-1, May 24.
- Seesaw, One-person. M. D. Wolf. 2,474,081, June 21.
- Seesaw, Swinging. L. C. Allie. 2,488,889, Nov. 22.
- Segment for waffle irons, Removable. J. D. O'Connor. 2,476,213, July 12.
- Segmenting and derinding device, Grapefruit. F. C. Ghisletta. 2,463,167, Mar. 1.
- Segregating and weighing machine. A. R. Curioni. 2,466,386, Apr. 5.
- Segregation of C_8 hydrocarbons by extractive and azeotropic distillation. G. L. Ahrens. 2,459,403, Jan. 18.
- Seismic exploration with control of directional sensitivity. A. Wolf. 2,477,844, Aug. 2.
- Seismic surveying. J. O. Parr, Jr. 2,461,173, Feb. 8.
- Seismic surveying. P. J. Rudolph. 2,463,430, Mar. 1.
- Seismograph blaster time breaker circuit. D. R. de Boisblanc and J. E. Bondurant. 2,470,846, May 24.
- Seismometer case cover. C. L. Brownlow. 2,477,172, July 26.
- Selecting mechanism. O. Fregeolle. 2,473,944, June 21.
- Selection apparatus, Radio centercasting. A. N. Goldsmith. 2,488,508, Nov. 15.
- Selective animal trap. E. J. Schreiber. 2,484,470, Oct. 11.
- Selective apparatus, Coin collector. G. M. Wilcox and M. L. Grant. 2,458,234, Jan. 4.
- Selective apparatus, Frequency. W. F. Kannenberg. 2,460,090, Jan. 25.
- Selective carrier off noise suppression circuit. G. M. Brown. 2,479,305, Aug. 16.
- Selective coin operated switch. J. H. Knapp. 2,477,133, July 26.
- Selective control device for radio apparatus and the like. R. W. May. 2,484,638, Oct. 11.
- Selective control of printer motors at outlying telegraph stations. C. J. Russnak. 2,468,574, Apr. 26.
- Selective enzyme hydrolysis. J. H. Sanders. 2,485,779, Oct. 25.
- Selective fluid valve. C. L. Paulus. 2,476,320, July 19.
- Selective-pole tripping system. S. L. Goldsborough and J. L. Blackburn. 2,462,180, Feb. 22.
- Selective polymers, Producing. H. C. Mayland and C. G. Gerhold. 2,486,533, Nov. 1.
- Selective remote-control device. T. K. Rudolph. 2,492,240, Dec. 27.
- Selective sorption process. D. A. Hermanson. 2,487,805, Nov. 15.
- Selective station electrical outlet molding. N. N. Charap. 2,464,964, Mar. 22.
- Selective switch mechanism for variable spacing typewriters. R. V. Reppert. 2,487,373, Nov. 8.
- Selective trip mechanism for circuit breaker. H. C. Graves, Jr. 2,486,594, Nov. 1.
- Selective wave guide energy meter. J. W. Tiley. 2,479,650, Aug. 23.
- Selector, Compensation. G. W. Plumly. 2,486,874, Nov. 1.
- Selector, Fish egg. E. J. McLeary. 2,476,425, July 19.
- Selector for automatic phonographs. H. G. Jensen. 2,489,782, Nov. 29.
- Selector for radio receivers, Automatic. J. Lolli and G. Papitto. 2,463,290, Mar. 1.
- Selector mechanism. J. Di Giovanni. 2,489,124, Nov. 22.
- Selector mechanism for radio apparatus. J. C. Clark. 2,490,619, Dec. 6.
- Selector mechanism, Multispeed. M. N. Yardeny. 2,475,271, July 5.
- Selector, Picture. A. B. Reed. 2,472,619, June 7.
- Selector, Radio program. W. A. Lea. 2,488,207, Nov. 15.
- Selector, Signal controlled. H. Angel. 2,485,551, Oct. 25.
- Selector, Sliding. F. A. Titcomb. 2,487,199, Nov. 8.
- Selector-stepper switch. M. G. Nelsen. 2,481,033, Sept. 6.
- Selector system. A. H. Barnard and A. M. Skudre. 2,480,624, Aug. 30.
- Selector system for magnetic wire reproducers. M. S. Danisch. 2,481,398, Sept. 6.
- Selector system, Multiple plunger. E. G. Henry. 2,489,576, Nov. 29.
- Selector, Tabular chart. S. Diamond. 2,480,228, Aug. 30.
- Selenium blocking-layer cell, Manufacturing a. W. C. van Geel and L. A. L. Esseling. 2,468,003, Apr. 19.
- Selenium elements such as rectifiers, Manufacture of. D. L. A. Driver. 2,480,124, Aug. 30.
- Selenium for the purpose of increasing its conductivity, Preparing. A. J. Dekker. 2,463,753, Mar. 8.
- Selenium, Preparing. N. W. H. Addink and M. Hekelaar. 2,474,966, July 5.
- Selenium, Treating. F. de Boer. 2,462,949, Mar. 1.
- Self-adjusting brake. F. E. Cleveland. 2,465,063, Mar. 22.
- Self-adjusting brake. J. L. Slatin. 2,474,990, July 5.
- Self-adjusting slip box. R. W. Erlbacher. 2,473,140, June 14.
- Self-adjusting wrench. F. J. Carnelli. 2,464,555, Mar. 15.
- Self-adjusting wrench. F. J. Carnelli. 2,467,658, Apr. 19.
- Self-advancing winding reel. R. Hellbach. 2,469,767, May 10.
- Self-aligning bearing. H. N. Dimick. 2,464,492, Mar. 15.
- Self-aligning poppet valve. C. J. Strid and J. R. Blake. 2,482,223, Sept. 20.
- Self-centering bore gauge. V. J. Carcelli. 2,464,070, Mar. 8.
- Self-cleaning filter. W. Jokel. 2,475,968, July 12.
- Self-compensating means for make and break circuits. H. R. Stuart. 2,477,775, Aug. 2.
- Self-contained suction cleaner. F. K. Storm, Jr. 2,475,808, July 12.
- Self-cooling water bag. F. H. and H. F. Wenzel. 2,467,792, Apr. 19.
- Self-energizing disk brake. J. Sneed. 2,478,333, Aug. 9.
- Self-energizing electrolytic water correction device. E. M. Butler. 2,469,545, May 10.
- Self-fastening cord holder. R. V. Kemplin. 2,472,300, June 7.
- Self-illuminated transparent protoscope. K. K. Golson. 2,482,971, Sept. 27.
- Self-laying track. C. F. Ball. 2,483,961, Oct. 4.
- Self-leveling device. J. W. Hearst. 2,475,499, July 5.
- Self-loading garbage vehicle. E. H. Richardson. 2,487,729, Nov. 8.
- Self-loading vehicle. F. Levy. 2,492,364, Dec. 27.
- Self-locking coin box. J. C. Abbott. 2,475,441, July 5.
- Self-locking device. R. L. Hallock. 2,487,129, Nov. 8.
- Self-locking device for linemen's body belts. A. N. Thompson. 2,490,931, Dec. 13.
- Self-locking flush latch. M. P. Wright. 2,477,472, July 26.
- Self-locking garment hanger. S. Kreitmayer. 2,474,429, June 28.
- Self-locking hitch pin. A. L. Spillman. 2,483,111, Sept. 27.
- Self-locking nut means and the like. A. F. von Soden. 2,457,945, Jan. 4.
- Self-locking separable fastener. G. A. Rounds. 2,487,895, Nov. 15.
- Self-opening collapsible chair. F. J. Curran. 2,457,978, Jan. 4.
- Self-priming centrifugal pump. O. Jacobsen. 2,466,812, Apr. 12.
- Self-priming centrifugal pump. H. Lauchener. 2,458,607, Jan. 11.
- Self-priming centrifugal pump. H. E. Rupp. 2,461,925, Feb. 15.

- Self-propelled track-laying vehicle. P. H. Johnson and L. W. Tripp. 2,458,078, Jan. 4.
- Self-quizz device. C. Lorber. 2,471,223, May 24.
- Self-reversing power jack. B. Brassell. 2,473,566, June 21.
- Self-righting cigarette holder. D. D. Soccoli. 2,484,757, Oct. 11.
- Self-sealing container. H. L. Totman. 2,489,989, Nov. 29.
- Self-sealing coupling. F. Hague. 2,461,818, Feb. 15.
- Self-sealing gasoline tank. H. P. Wagner. 2,461,096, Feb. 8.
- Self-sealing inner tube demonstration tool. F. E. Mechling. 2,469,307, May 3.
- Self-sealing oil tank. S. Potters. 2,482,366, Sept. 20.
- Self-sealing releasable coupling. D. F. Stranberg. 2,461,705, Feb. 15.
- Self-sealing vent cap. J. W. Allen. 2,457,800, Jan. 4.
- Self-service refrigerated meat display case. H. S. Thrasher. 2,463,658, Mar. 8.
- Self-starting impulse type electric motor. G. E. Canham. 2,459,412, Jan. 18.
- Self-starting synchronous hysteresis motor. C. A. Packard. 2,460,358, Feb. 1.
- Self-supporting aerial electric conducting cable. J. J. Morrison and A. L. Duna. 2,473,965, June 21.
- Self-synchronous system. H. A. Giroud. 2,458,586, Jan. 11.
- Self-threading device for motion-picture apparatus. J. Briskin. 2,472,143, June 7.
- Self-tightening rope clamp. K. R. Runde. 2,458,304, Jan. 4.
- Self-unloading vehicle. C. W. Walz. 2,477,707, Aug. 2.
- Selsyn transmission by radio. W. C. Mikkelsen and J. Anthes. 2,462,117, Feb. 22.
- Selvy forming mechanism. C. F. Libby. 2,471,758, May 31.
- Semiautomatic woven wire clamp. G. C. Ward. 2,480,796, Aug. 30.
- Semicylindrical pot-type burner. B. Hayter. 2,475,024, July 5.
- Semitrailer with body elevating and lowering means. R. O. Bill. 2,475,443, July 5.
- Sender, Impulse. H. J. McCreary. 2,475,553, July 5.
- Sensing device, Perforated record. S. Brand and C. E. Connolly. 2,475,307, July 5.
- Sensitive element for space speed, track and angle of attack indicators. M. L. Clopton. 2,461,521, Feb. 15.
- Sensitization of hydrogen bromide catalyzed oxidation reactions. F. F. Rust, J. H. Raley, and W. E. Vaughan. 2,480,971, Sept. 6.
- Sensitized papers having cellulose ether sizing, Diazotype. S. C. Siffkin. 2,474,700, June 28.
- Sensitizing dyes. C. D. Wilson. 2,465,774, Mar. 29.
- Sensitometer. R. M. Haff. 2,464,761, Mar. 15.
- Sensitometer and film loading mechanism therefor. J. C. Evans. 2,466,401, Apr. 5.
- Sensitometer having an optical wedge on a rotating drum, Photographic. M. H. Sweet. 2,484,322, Oct. 11.
- Separable connector. I. F. Matthyse. 2,460,231, Jan. 25.
- Separable connector. E. V. Soreny. 2,462,914, Mar. 1.
- Separable fastener. O. J. Huelster. 2,468,630, Apr. 26.
- Separable fluid coupling. H. S. Pastureczak. 2,471,237, May 24.
- Separating adhering sheets by air blast. J. T. O'Hara. 2,484,641, Oct. 11.
- Separating apparatus. C. C. Hermann. 2,469,197, May 3.
- Separating apparatus, Liquid and gas. J. C. Hobbs. 2,463,382, Mar. 1.
- Separating charged particles of different masses, Method and apparatus for. N. D. Coggeshall and M. Muskat. 2,471,935, May 31.
- Separating constituents of alloys by fractional crystallization. A. Regner. 2,471,899, May 31.
- Separating device and method, Ribbon. A. M. L. Woell. 2,463,732, Mar. 8.
- Separating gases from liquid fuel. R. R. Curtis. 2,469,917, May 10.
- Separating hydrocarbons by adsorption. A. E. Hirschler. 2,472,250, June 7.
- Separating machine. C. E. Barbee and W. P. Berggren. 2,485,027, Oct. 18.
- Separating machine, Oscillating placer. J. H. Beck. 2,484,203, Oct. 11.
- Separating metallic sodium from high molecular weight polymers made by polymerization of vinyl compounds. G. Herbolzheimer. 2,458,378, Jan. 4.
- Separating solids from a liquid. A. M. Kivari and E. M. Kelly. 2,492,486, Dec. 27.
- Separating the constituents of gaseous mixtures. A. J. and I. F. Fausek. 2,492,932, Dec. 27.
- Separating the constituents of tall oil and similar mixtures. G. E. Taylor, J. S. Metcalf, and L. L. Branscomb. 2,487,000, Nov. 1.
- Separating the fats, flavoring ingredients, and fibrous material in cellular substances. M. J. Stacom. 2,492,668, Dec. 27.
- Separating the stereoisomers of α -hydroxy- β , β -dimethyl-gamma-butyrolactone. R. H. Beutel and M. Tishler. 2,474,719, June 28.
- Separation apparatus, Heavy-media. J. J. Bean. 2,474,774, June 28.
- Separation of acetone and butyl alcohol from fermented mash by activated charcoal. M. Sulzbacher. 2,474,170, June 21.
- Separation of acid gases from gaseous mixtures. T. F. Doumani. 2,486,778, Nov. 1.
- Separation of acidic gases from gaseous mixtures, Method of and apparatus for the. R. M. Reed. 2,466,183, Apr. 5.
- Separation of cobalt and nickel from solutions. R. B. Schaal. 2,488,561, Nov. 22.
- Separation of cotton seed, Heavy gravity liquid. C. H. Boatner, C. M. Hall, and A. L. Merrifield. 2,482,141, Sept. 20.
- Separation of diphenylbenzene isomers by distillation and crystallization. R. L. Jenkins. 2,489,215, Nov. 22.
- Separation of electrically conducting material from non-conducting material, Process and apparatus for. C. P. Townsend. 2,468,472, Apr. 26.
- Separation of isopropyl alcohol and secondary butyl alcohol by azeotropic distillation. E. H. Amick, Jr., and W. S. Harney, Jr. 2,487,086, Nov. 8.
- Separation of phenols from thiophenols. H. Schindler. 2,488,479, Nov. 15.
- Separation of porous catalyst, Heavy gravity liquid. J. W. Payne. 2,483,372, Sept. 27.
- Separation of primary, secondary, and tertiary alcohols by azeotropic distillation. J. M. Sibley. 2,483,246, Sept. 27.
- Separation of pulverulent material, Combined screening and air. C. P. Miller. 2,477,935, Aug. 2.
- Separation of solids by use of heavy media. R. H. Lowe. 2,490,365, Dec. 6.
- Separation of solids, Gravity liquid. F. F. Ridley. 2,486,682, Nov. 1.
- Separation of the components of poly glycerol mixtures. H. Wittecoff. 2,477,550, July 26.
- Separation of the constituents of air. C. C. Van Nuys. 2,482,303, Sept. 20.
- Separation of triisobutylene isomers. L. T. Eby. 2,485,265, Oct. 18.
- Separation of unsaturated aliphatic hydrocarbons from more saturated aliphatic hydrocarbons. B. J. Mayland and E. E. White. 2,484,305, Oct. 11.
- Separation of vanillin from alkaline solutions. C. A. Sankey and H. B. Marshall. 2,489,200, Nov. 22.
- Separator process. H. S. Kelly, Jr. 2,492,098, Dec. 20.
- Separator: See—
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| Battery separator. | Gravity liquid separator. |
| Bean straw separator. | High-frequency electric separator. |
| Centrifugal separator. | Hop and leaf separator. |
| Coin separator. | Inclined current hydraulic separator. |
| Cream separator. | Liquid and gas separator. |
| Drum-type magnetic separator. | Magnetic separator. |
| Egg separator. | Steam separator. |
| Egg-shelling separator. | Storage battery separator. |
| Embossed battery separator. | Triple tube cyclone separator. |
| Fluid separator. | Vortical current separator. |
| Gas circulating separator. | |
| Gas separator. | |
- Separator. J. Breslove, Jr. 2,487,633, Nov. 8.
- Separator. G. O. Kimmell. 2,471,571, May 31.
- Separator. S. G. Sylvan. 2,482,642, Sept. 20.
- Separator bowl, Automatically opening. S. J. W. Ortenblad. 2,487,364, Nov. 8.
- Separator bowl, Cone disk type centrifugal. F. J. J. J. Henard. 2,483,342, Sept. 27.
- Separator centrifuge, Multiple. G. K. W. Boestad. 2,459,145, Jan. 18.
- Separator for berry picking machines, Leaf. W. C. Hoyt, Sr. 2,471,326, May 24.
- Separator for fluid systems, Magnetic. T. A. Kennedy. 2,459,534, Jan. 18.
- Separator for granular material, Air. H. A. Arnold. 2,477,160, July 26.
- Separator for printing apparatus, Ink. R. R. Richter. 2,492,181, Dec. 27.
- Separator having means for wiping and scraping the carrier disk, Magnetic. A. Scrivener. 2,471,044, May 24.
- Separator, Magnetic. H. J. Caldwell. 2,466,839, Apr. 12.
- Separator of polystyrene fiber, Storage battery. A. W. Hanson. 2,482,062, Sept. 13.
- Separator or collector. H. O. Danz. 2,490,116, Dec. 6.
- Separator trap. C. Johnson. 2,487,876, Nov. 15.
- Septic tank. G. L. Loelkes. 2,482,353, Sept. 20.
- Septic tank. P. N. Sitton. 2,483,564, Oct. 4.
- Sequence control. R. D. Cowherd and W. H. Stahl, Jr. 2,458,683, Jan. 11.
- Sequence control, High-speed. W. B. Hills. 2,492,749, Dec. 27.
- Sequence firing of jet motors. R. L. Queen and K. W. Hutchins. 2,465,926, Mar. 29.
- Sequence indication apparatus. P. A. Bucky and P. Sarason. 2,470,469, May 17.
- Sequential trip mechanism. R. L. Stratton. 2,488,745, Nov. 22.
- Serum for treatment of canine encephalitis. C. H. Beckman. 2,475,655, July 12.
- Service apparatus, Water. J. T. McGarry. 2,482,283, Sept. 20.

- Service clamp. L. W. Mueller and J. J. Smith. 2,488,064, Nov. 15.
- Service guide and recorder for automotive apparatus, Automatic. J. A. Purvis. 2,474,914, July 5.
- Service ribbon bar. J. M. Hilborn. 2,464,395, Mar. 15.
- Service T. F. H. Mueller and J. J. Smith. 2,482,687, Sept. 20.
- Servicer for tire building machines. W. J. Breth. 2,480,704, Aug. 30.
- Servicing unit, Lubricant. W. J. Seigel. 2,479,139, Aug. 16.
- Serving combination. B. Hoppe. 2,458,907, Jan. 11.
- Servo follow-up control. C. M. Gilbert. 2,460,638, Feb. 1.
- Servomechanism. A. C. Hall. 2,470,099, May 17.
- Servo mechanism, Self-contained hydraulic. E. A. Rockwell. 2,458,736, Jan. 11.
- Servomotor and control system therefor. R. S. Curry, Jr. 2,474,830, July 5.
- Servomotor and pressure responsive valve therefor. H. P. Kupiec. 2,467,434, Apr. 19.
- Servomotor armature current control. W. T. White. 2,481,550, Sept. 13.
- Servomotor, Differential pressure fluid. F. K. van Almelo. 2,459,475, Jan. 18.
- Servomotor, Fluid pressure follow-up. R. O. Balogh and G. H. Hufferd. 2,464,367, Mar. 15.
- Servomotor, Follow-up. W. A. Ray. 2,474,279, June 28.
- Servomotor for reversing gears, Pressure fluid. W. Wagner and J. Swann. 2,488,045, Nov. 15.
- Servomotor, Frictional. C. R. Hanna and S. J. Mikina. 2,476,861, July 19.
- Servomotor, Frictional. S. J. Mikina. 2,473,896, June 21.
- Servomotor mechanism. H. M. Purcell. 2,472,547, June 7.
- Servomotor, Pressure fluid. P. P. Mothorn. 2,488,224, Nov. 15.
- Servomotor, Pressure fluid. J. B. Parsons. 2,468,943, May 3.
- Servomotor, Pressure fluid follow-up. C. C. Worstell. 2,477,710, Aug. 2.
- Servomotor system. O. E. Esval. 2,462,081, Feb. 22.
- Servomotor system, Electric. R. D. McCoy. 2,466,035, Apr. 5.
- Servomotor system, Gyro-controlled. C. R. Hanna and L. B. Lynn. 2,480,574, Aug. 30.
- Servomotor with rotary input and rectilinear output. C. D. Chidgey. 2,475,445, July 5.
- Servo operator, Magnetic. N. D. Cooper and E. A. Ruchty. 2,473,572, June 21.
- Servo system and control thereof. J. A. Peoples, Jr., R. Scheib, Jr., and R. C. Goertz. 2,466,041, Apr. 5.
- Servo system, Antihunt electrical. W. G. Gorton. 2,473,423, June 14.
- Servo system, Electrical. E. J. Uhlig. 2,462,238, Feb. 22.
- Servo system, Gas tube controlled. W. C. Grabau. 2,473,424, June 14.
- Servo system, Induction motor. J. A. Doremus. 2,473,791, June 21.
- Servo system with eddy current brake controlled by error voltage. S. Wald. 2,489,689, Nov. 29.
- Servo unit test stand. A. F. Kopischiansky. 2,459,535, Jan. 18.
- Sesame extract synergized insecticides. W. A. Simanton. 2,463,324, Mar. 1.
- Sesamin, Extraction of. A. L. Omohundro, E. C. Fanto, and I. Reich. 2,467,904, Apr. 19.
- Set and stop mechanism, Alarm. R. V. Adduci. 2,491,294, Dec. 13.
- Setback switch. R. L. Maneval. 2,458,478, Jan. 4.
- Setback switch. T. M. Perry. 2,458,479, Jan. 4.
- SetscREW. L. E. Simmons. 2,462,910, Mar. 1.
- Set, Tubing. N. M. Nessel and E. J. Nawoj. 2,458,722, Jan. 11.
- Setter for curb box meters, Gas meter. L. W. Mueller. 2,489,660, Nov. 29.
- Setting and locking fitting. J. P. Marx. 2,467,842, Apr. 19.
- Setting apparatus for textile fabrics. H. Richter. 2,470,265, May 17.
- Setting mechanism, Early value. H. F. Noller, G. K. Hurnl, and K. F. Stone. 2,467,441, Apr. 19.
- Setting mechanism for calculating machines. J. T. Tierney. 2,469,754, May 10.
- Setting twist in threads or yarns. T. H. Story. 2,465,130, Mar. 22.
- Settling apparatus. C. B. Schneible. 2,464,264, Mar. 15.
- Settling method and apparatus. L. H. Logue. 2,460,834, Feb. 8.
- 7-chloro-4-(1-ethyl-4-piperidylamino)-quinoline. B. G. Parham. 2,485,162, Oct. 18.
- 7-hydroxyisoquinoline derivatives and preparing the same. R. B. Woodward and W. von E. Doering. 2,475,932, July 12.
- Severing device, Tape. G. K. Charles. 2,471,310, May 24.
- Severing machine, Paper bag tube. G. W. Poppe. 2,466,823, Apr. 12.
- Sewage disposal apparatus. J. A. Montgomery and L. E. Livingston. 2,464,707, Mar. 15.
- Sewage, Treating. T. J. Powers. 2,479,403, Aug. 16.
- Sewage treating process. C. C. Hays. 2,458,163, Jan. 4.
- Sewage treatment. J. J. Campobasso and W. M. Campbell. 2,468,865, May 3.
- Sewage treatment and oil and water separation. W. M. Campbell. 2,468,864, May 3.
- Sewer snake apparatus, Plumber's. A. Silverman. 2,470,225, May 17.
- Sewerage disposal machine. E. Henno. 2,489,454, Nov. 29.
- Sewing aid. R. S. Prescott. 2,475,460, July 5.
- Sewing and trimming machine, Moccasin. H. J. Koloske. 2,487,928, Nov. 15.
- Sewing and trimming machine, Moccasin seam. F. Ashworth. 2,487,918, Nov. 15.
- Sewing machine. N. V. Christensen. 2,483,036, Sept. 27.
- Sewing machine. N. V. Christensen and C. C. Smith. 2,483,037, Sept. 27.
- Sewing machine. K. K. Hohmann. 2,480,734, Aug. 30.
- Sewing machine. M. G. Ivandick. 2,460,828, Feb. 8.
- Sewing machine. A. A. Jennings. 2,470,931, May 24.
- Sewing machine. H. J. Le Vesconte and O. Quist. 2,470,502, May 17.
- Sewing machine. C. A. Munz. 2,491,685, Dec. 20.
- Sewing machine. A. H. Weis. 2,461,862, Feb. 15.
- Sewing machine. N. Wonnacott and C. R. Backlin. 2,461,951, Feb. ve.
- Sewing machine and attachment. C. Seaman. 2,475,758, July 12.
- Sewing machine and attachment therefor. C. Seaman. 2,475,759, July 12.
- Sewing-machine attachment. L. W. Barker. 2,491,545, Dec. 20.
- Sewing machine, Belt loop. J. Galkin. 2,480,012, Aug. 23.
- Sewing machine, Buttonhole. F. A. Reece, Jr., and W. E. Nichols. 2,477,941, Aug. 2.
- Sewing-machine clutch. A. R. Wood. 2,460,247, Jan. 25.
- Sewing machine, Electric. D. Fischbein. 2,484,495, Oct. 11.
- Sewing-machine feed. S. Adler. 2,473,934, June 21.
- Sewing machine for appliques. W. Harpham. 2,476,602, July 19.
- Sewing machine for stitching leather cases. J. Heggie. 2,489,489, Nov. 29.
- Sewing machine for thermoplastic materials. G. H. Brown and R. A. Bierwirth. 2,477,040, July 26.
- Sewing machine, Lock stitch. N. V. Christensen and G. Sauer. 2,477,114, July 26.
- Sewing machine, Power-table. I. F. Webb. 2,477,433, July 26.
- Sewing machine specifically adapted for domestic use. F. Gegauf. 2,464,079, Mar. 8.
- Sewing machine, Spiral stitching. W. Myers. 2,488,095, Nov. 15.
- Sewing-machine table. C. A. Kessler. 2,469,968, May 10.
- Sewing-machine thread cutter. M. Silverman. 2,476,161, July 12.
- Sewing machine, Tuft forming. C. L. Pickworth. 2,492,711, Dec. 27.
- Sewing machine unit. G. Sauer. 2,474,331, June 28.
- Sextant or the like. W. J. Eckert. 2,482,749, Sept. 27.
- Shackle and release, Bomb. G. H. Leland. 2,473,597, June 21.
- Shackle, Releasable. T. J. Henderson. 2,459,223, Jan. 18.
- Shade and curtain bracket. L. A. Rogers. 2,478,014, Aug. 2.
- Shade and curtain bracket, Combination. L. P. Jeffreys. 2,486,951, Nov. 1.
- Shade, Lamp. E. L. Rousselle. 2,475,405, July 5.
- Shade, Lamp. M. Sarra. 2,473,768, June 21.
- Shade, Lamp. T. A. Stiffel. 2,483,354, Sept. 27.
- Shade roller mechanism. W. J. Stuber. 2,487,741, Nov. 8.
- Shaded pole motor. G. V. Morris. 2,487,258, Nov. 8.
- Shadow box. W. F. Vernon. 2,483,744, Oct. 4.
- Shaft and bearing arrangement. A. Büchi. 2,480,095, Aug. 23.
- Shaft bearing. C. E. Parker. 2,484,725, Oct. 11.
- Shaft bearing. V. Hanson. 2,491,553, Dec. 20.
- Shaft construction, Furnace. C. W. Nichols and J. Green-span. 2,483,592, Oct. 4.
- Shaft controlling apparatus, Automatic. R. W. May. 2,466,776, Apr. 12.
- Shaft coupling. W. E. Amberg. 2,481,640, Sept. 13.
- Shaft coupling. R. F. Bergmann. 2,460,249, Jan. 25.
- Shaft coupling. K. M. McPhee. 2,467,902, Apr. 19.
- Shaft coupling. F. F. Miller, Jr. 2,480,039, Aug. 23.
- Shaft coupling. G. E. Pulliam. 2,462,549, Feb. 22.
- Shaft coupling. C. J. Stuart. 2,480,976, Sept. 6.
- Shaft drive, Enclosed. J. Watten. 2,471,015, May 24.
- Shaft-fastening assembly. T. L. Fawick. 2,460,631, Feb. 1.
- Shaft, Flexible. F. B. Fitch. 2,491,653, Dec. 20.
- Shaft machine, Flexible. A. W. Mall. 2,473,286, June 14.
- Shaft mucker. J. V. Grismer. 2,492,217, Dec. 27.
- Shaft-positioning apparatus. R. C. Marholz. 2,477,995, Aug. 2.
- Shaft puller. A. G. Brown. 2,484,400, Oct. 11.
- Shaft-pulling tool. L. Griffin. 2,473,200, June 14.
- Shaft rotation-limiting apparatus. R. C. Marholz. 2,487,349, Nov. 8.
- Shaft seal with internal drive. A. J. Matter. 2,472,257, June 7.
- Shaft, Sectional. M. Essl. 2,473,417, June 14.
- Shaft sinking apparatus. P. A. Riddell. 2,491,583, Dec. 20.

- Shaft taper gauge. W. L. Smith. 2,460,854, Feb. 8.
 Shaft winder. L. Hornbostel and E. D. Beachler. 2,467,554, Apr. 19.
 Shaft with inclinable cutter-blade, Cutter. E. B. Hedman. 2,462,022, Feb. 15.
 Shafts having sheet metal journal surfaces, Making. G. H. Koch. 2,481,025, Sept. 6.
 Shakeout for coke charging cars. E. W. Wallace. 2,471,849, May 31.
 Shaker, Combined salt-and-pepper. O. E. Dolson. 2,465,637, Mar. 29.
 Shaker, Condiment. R. A. Ransom. 2,480,421, Aug. 30.
 Shaker conveyer. E. R. Bergmann. 2,463,849, Mar. 8.
 Shaker, Power drive peanut. W. L. and F. G. Tisdale. 2,489,834, Nov. 29.
 Shaker, Salt. M. A. Adams. 2,471,507, May 31.
 Shaker, Salt. E. W. Ranck. 2,476,113, July 12.
 Shaker, Salt. H. D. Via. 2,490,721, Dec. 6.
 Shaker, Salt and pepper. R. D. Harwood. 2,473,585, June 21.
 Shaker, Salt and pepper. C. E. Nyberg. 2,459,133, Jan. 11.
 Shampoo board, Child's. H. B. and L. D. Brose. 2,474,572, June 28.
 Shampoo, Paste. W. M. Lilienfeld. 2,490,459, Dec. 6.
 Shaped and carbonized articles from coal, Production of. J. G. Bennett, D. B. Foster, C. D. Greaves, G. C. Phillips, M. Pirani, and W. J. Kramers. 2,461,365, Feb. 8.
 Shaped articles from fluorite, Production of. G. J. Vahrenkamp. 2,459,203, Jan. 18.
 Shaped objects, Producing. D. L. Green. 2,478,265, Aug. 9.
 Shaper, Presser's sleeve. H. P. Keck. 2,478,488, Aug. 9.
 Shaper, Steam sleeve. R. L. L. H., and W. K. Larson. 2,481,657, Nov. 8.
 Shaping articles of methyl methacrylate resin. H. J. Lucas and F. R. Hepner. 2,485,896, Oct. 25.
 Shaping attachment for tenoning machines. J. H. Mansfield. 2,462,653, Feb. 22.
 Shaping device, shirt collar. M. M. Newman. Re. 23,072, Jan. 4.
 Shaping die. L. E. Burger and J. B. Skinner. 2,492,131, Dec. 27.
 Shaping ends of tubular members, Method and apparatus for final. G. Fife. 2,490,343, Dec. 6.
 Shaping machine, Box. W. H. Lisle. 2,460,892, Feb. 8.
 Shaping machine, Variable stroke. A. I. Bean. 2,464,961, Mar. 22.
 Shaping synthetic resins, Method and apparatus for. R. L. Potter and F. C. Huber. 2,464,718, Mar. 15.
 Sharp freezing container. H. Y. Jennings. 2,484,832, Oct. 18.
 Sharpener. J. Brockley. 2,469,258, May 3.
 Sharpener, Blade. G. C. Freeman. 2,471,207, May 24.
 Sharpener, Blade. B. K. Murchison. 2,479,767, Aug. 23.
 Sharpener, Drill. W. R. Spiller and L. L. West. 2,469,900, May 10.
 Sharpener for blades. P. D. Brown. 2,475,371, July 5.
 Sharpener for slicing machines, Knife. P. H. Meyer. 2,486,797, Nov. 1.
 Sharpener, Kitchen knife. J. B. Jacobson. 2,458,856, Jan. 11.
 Sharpener, Knife. F. R. Chester. 2,477,860, Aug. 2.
 Sharpener, Knife. J. A. De Cicco. 2,470,022, May 10.
 Sharpener, Knife. O. W. Dingerson. 2,484,335, Oct. 11.
 Sharpener, Knife. K. K. Leong. 2,461,690, Feb. 15.
 Sharpener, Knife. L. E. Pryor. 2,475,110, July 5.
 Sharpener, Knife. W. A. Swigart. 2,487,992, Nov. 15.
 Sharpener, Knife. S. Tarapezovski. 2,460,552, Feb. 1.
 Sharpener, Knife. W. F. Thompson. 2,469,797, May 10.
 Sharpener, Lawn-mower. C. C. Bente. 2,478,080, Aug. 2.
 Sharpener, Lawn mower. L. J. Bromert. 2,470,335, May 17.
 Sharpener, Lawn mower. H. E. Feder. 2,484,699, Oct. 11.
 Sharpener, Lawn mower. F. J. Machovec. 2,466,905, Apr. 12.
 Sharpener, Mower. E. M. Bretz and M. V. Bretz. 2,468,860, May 3.
 Sharpener, Pencil. L. R. Baggett. 2,470,387, May 17.
 Sharpener, Pencil. W. J. Brooks. 2,469,858, May 10.
 Sharpener, Pencil. M. C. Garrett. 2,485,441, Oct. 18.
 Sharpener, Pencil. L. P. Heiman. 2,482,183, Sept. 20.
 Sharpener, Pencil point. A. Cornish-Besa. 2,469,952, May 10.
 Sharpener, Portable disk. H. M. Goodwin. 2,475,235, July 5.
 Sharpener, Precision sickle. F. H. Shadle. 2,489,335, Nov. 29.
 Sharpener, Razor. T. M. Page. 2,472,311, June 7.
 Sharpener, Razor blade. H. L. Hodgson. 2,483,009, Sept. 27.
 Sharpener, Razor blade. J. T. King. 2,461,161, Feb. 8.
 Sharpener, Razor blade. O. C. Stemland. 2,458,443, Jan. 4.
 Sharpener, Safety razor and blade. A. E. Donovan. 2,458,257, Jan. 4.
 Sharpener, Saw. A. W. Mall. 2,459,233, Jan. 18.
 Sharpener, Scissors. E. C. Heard. 2,468,442, Apr. 26.
 Sharpener, Scraper. G. W. Jerrells. 2,482,419, Sept. 20.
 Sharpener, Shear. J. F. Snyder. 2,476,463, July 19.
 Sharpener, Skate. E. F. Ives. 2,486,850, Nov. 1.
 Sharpening and grinding machine. A. U. Maciá. 2,490,312, Dec. 6.
 Sharpening device. A. F. Carlin. 2,473,702, June 21.
 Sharpening device. W. H. Haydon. 2,462,637, Feb. 22.
 Sharpening device. B. H. Johnston. 2,459,945, Jan. 25.
 Sharpening device, Saw. C. G. Wahlstrom. 2,490,244, Dec. 6.
 Sharpening machine, Cutter. C. W. Marker, Jr., and G. F. Whitman. 2,477,135, July 26.
 Sharpening machine, Disk. P. W. Browne. 2,477,361, July 26.
 Sharpening machine, Saw. H. Kershaw, A. F. Pityo, and H. Butterfield. 2,477,880, Aug. 2.
 Sharpening tool. E. Gunnarson. 2,481,309, Sept. 6.
 Sharpening unit. S. G. Nichols. 2,482,633, Sept. 20.
 Shaver, Dry. F. Pollifrone. 2,458,417, Jan. 4.
 Shaver, Dry. A. R. Wurtele. 2,467,417, Apr. 19.
 Shaver holder. A. E. Hutt. 2,474,899, July 5.
 Shaver, Magazine. P. H. Borden. 2,490,775, Dec. 13.
 Shaver, Snowball. J. Ragolio. 2,485,314, Oct. 18.
 Shaver with axially manually fed pusher, Rotary disk. A. M. Sampson. 2,487,597, Nov. 8.
 Shaving apparatus. J. Lorenz. 2,472,853, June 14.
 Shaving brush heating means. P. Rowan. 2,461,776, Feb. 15.
 Shaving machine. I. Florman. 2,462,625, Feb. 22.
 Shaving shoulder gears. D. D. Austin, Sr. 2,484,482, Oct. 11.
 Shear and sprayer, Power. R. Wirth. 2,462,701, Feb. 22.
 Shear carrying fastener. W. G. Woods. 2,479,992, Aug. 23.
 Shear press. R. F. Dehn. 2,473,942, June 21.
 Shear press. R. F. Dehn. 2,491,363, Dec. 13.
 Shearing apparatus, Automatic. F. Luzzatto and J. C. Palmer. 2,458,612, Jan. 11.
 Shearing mechanism. M. Morgan. 2,491,871, Dec. 20.
 Shears. E. Bissonnette. 2,490,012, Dec. 6.
 Shears. S. M. Carper. 2,461,370, Feb. 8.
 Shears, Cutting. C. G. Stewart. 2,463,213, Mar. 1.
 Shears, Electrically operated. H. E. Page. 2,490,086, Dec. 6.
 Shears, Grass. P. L. Newbold. 2,469,983, May 10.
 Shears, Manually operated heavy duty. A. L. Peterson. 2,487,473, Nov. 8.
 Shears, Pinking. A. D. Campbell. 2,491,712, Dec. 20.
 Shears, Pinking. J. A. Soderberg. 2,492,121, Dec. 20.
 Shears, Scooter lawn. J. L. Butler. 2,488,374, Nov. 15.
 Shears sharpening device. O. H. Garrison and F. G. Leistner. 2,466,410, Apr. 5.
 Shears, Sheet metal. J. M. Hart. 2,469,036, May 3.
 Sheath or sleeve for flexible pipes and the like, Fire and heat insulating protective. P. F. Hurst. 2,487,554, Nov. 8.
 Sheath with exposed junction, Thermocouple. H. W. Kretsch. 2,466,175, Apr. 5.
 Sheave. L. L. Hazen. 2,491,464, Dec. 20.
 Sheave, V-belt. R. H. Galbreath. 2,489,178, Nov. 22.
 Shedding means for circular looms for weaving. H. J. Cooper. 2,476,357, July 19.
 Sheet aligning rack. E. Sokolik. 2,468,275, Apr. 26.
 Sheet and the like, Loose-leaf. M. Vernon. 2,463,833, Mar. 8.
 Sheet coatings, Magnetic. P. L. Schmidt and J. A. Campbell. 2,465,284, Mar. 22.
 Sheet delivery apparatus. H. W. Bruker. 2,467,423, Apr. 19.
 Sheet delivery control for cut-off mechanisms. B. W. Langston. 2,481,934, Sept. 13.
 Sheet delivery controlling method and means therefor. A. Wormser. 2,474,997, July 5.
 Sheet delivery mechanism for stop-cylinder printing machines. W. G. Lawson and F. S. Jenkins. 2,491,819, Dec. 20.
 Sheet feeding. F. R. Schmitt. 2,472,441, June 7.
 Sheet feeding and gauging mechanism. R. E. J. Nordquist and B. A. Baumann. 2,488,551, Nov. 22.
 Sheet feeding and gauging mechanism. R. E. J. Nordquist and B. A. Baumann. 2,490,085, Dec. 6.
 Sheet feeding and positioning mechanism for typewriters. G. Prezioso. 2,472,340, June 7.
 Sheet holding device. G. D. Austin and M. Wishnovsky. 2,487,779, Nov. 15.
 Sheet for postage stamps, Stock. O. E. McCaskill. 2,477,886, Aug. 2.
 Sheet gripping and pulling tool. V. H. Hasselquist. 2,460,007, Jan. 25.
 Sheet lumber, Rapid manufacture of. W. C. Goss. 2,480,851, Sept. 6.
 Sheet material for packaging purposes, Method and apparatus for preparing and utilizing. W. S. Cloud. 2,490,781, Dec. 13.
 Sheet material, Heat-sealable. R. A. Farrell and C. L. Wagner. 2,474,619, June 28.
 Sheet material, Louvered. H. Warp. 2,492,909, Dec. 27.
 Sheet material, Making stiffened permeable. A. F. Schramm, Jr. 2,489,466, Nov. 29.
 Sheet material package, Crated. J. Robinson, Jr. 2,464,153, Mar. 8.
 Sheet materials and plastic compositions therefor, Coated. S. C. Frowde. 2,491,102, Dec. 13.
 Sheet materials by high-frequency electric fields, Method of and apparatus for drying. W. P. Gohoe and M. Wilson. 2,459,622, Jan. 18.

- Sheet materials, Method and apparatus for drying. W. P. Goheo and M. R. Saslaw. 2,459,623, Jan. 18.
- Sheet metal anode, Electrolytic. W. L. Pinner. 2,467,852, Apr. 19.
- Sheet metal assembly and making it. C. Hirschfeld. 2,464,506, Mar. 15.
- Sheet metal bending tool. T. J. Nicholas. 2,471,445, May 31.
- Sheet metal forming brake. J. M. Minor. 2,486,428, Nov. 1.
- Sheet-metal gas burner. G. W. Zimbelman and R. Shelton. 2,470,880, May 24.
- Sheet metal piercing. A. E. Hutt. 2,467,034, Apr. 12.
- Sheet metal, Working of high tensile. L. L. Marchant. 2,460,519, Feb. 1.
- Sheet metal-working machine. H. L. Johnson. 2,481,518, Sept. 13.
- Sheet movement responsive counting device. W. R. Mulquin. 2,482,201, Sept. 20.
- Sheet piling apparatus. E. R. Muddiman. 2,472,225, June 7.
- Sheet product, Making a conduit enclosing. R. M. Boehm and G. G. Simpson. 2,465,348, Mar. 29.
- Sheet stretching mechanism. H. T. Backhouse. 2,476,577, July 19.
- Sheet-settling control. F. Casper. 2,477,405, July 26.
- Sheet shearing and flanging machine. H. R. Harbord. 2,466,947, Apr. 12.
- Sheet sorting device. A. E. Little. 2,492,386, Dec. 27.
- Sheet stretching mechanism. F. Feldmeier. 2,461,376, Feb. 8.
- Sheet treating machine. R. E. J. Nordquist and B. A. Baumann. 2,484,845, Oct. 18.
- Sheeter, Dough. J. Buechel. 2,478,685, Aug. 9.
- Sheets of magnesic metal, Thermal treatment of. R. L. Hopkins. 2,464,578, Mar. 15.
- Shelf. J. F. Czerniewicz. 2,472,004, May 31.
- Shelf, Adjustable. W. R. Jewell. 2,465,806, Mar. 29.
- Shelf bracket. R. S. Sanford. 2,477,771, Aug. 2.
- Shelf, Collapsible. V. C. Grasso and H. N. Snook. 2,483,899, Oct. 4.
- Shelf construction. J. E. Borah. 2,487,301, Nov. 8.
- Shelf, Desk. G. S. Underwood. 2,468,473, Apr. 26.
- Shelf edging, Decorative. E. Karfiol and W. A. Roehm. 2,477,300, July 26.
- Shelf edging, Making. E. Karfiol and W. A. Roehm. 2,470,493, May 17.
- Shelf, Filing cabinet work. L. H. Glendening and B. H. Beedle. 2,468,662, Apr. 26.
- Shelf for electrical apparatus. L. T. Holden. 2,461,157, Feb. 8.
- Shelf hanger. F. Boschan. 2,458,332, Jan. 4.
- Shelf, Refrigerator. C. H. Nauert. 2,479,858, Aug. 23.
- Shelf, Rotatable. W. E. Randall. 2,470,749, May 24.
- Shelf, Serpentine freezer. G. Orley. 2,458,629, Jan. 11.
- Shelf support. L. E. Blazey. 2,486,548, Nov. 1.
- Shelf support combination and cabinet. S. Hammer. 2,489,708, Nov. 29.
- Shelf to hold working tools for lubrication hoists. T. M. Hughes. 2,481,595, Sept. 13.
- Shelf unit, Adjustable. M. E. Roberts. 2,485,067, Oct. 18.
- Shelf liquid and kernel oil separation, Cashew nut. S. Caplan. 2,480,221, Aug. 30.
- Sheller, Corn. A. B. Welty. 2,467,790, Apr. 19.
- Sheller, Egg. H. H. De Luce. 2,484,692, Oct. 11.
- Shelling machine with adjustable concave, Corn. R. Isay. 2,484,228, Oct. 11.
- Shelving, Demountable. O. N. Mueller. 2,462,330, Feb. 22.
- Shield assembly, Ignition coil and filter. E. C. Hallett. 2,462,491, Feb. 22.
- Shield, Antenna testing. D. E. Collup. 2,490,782, Dec. 13.
- Shield, Auto glare. J. S. Winkler. 2,458,125, Jan. 4.
- Shield, Automobile ventilating. R. C. Gregorius. 2,468,439, Apr. 26.
- Shield, Base. W. R. Jones. 2,472,747, June 7.
- Shield, Body protecting. M. M. McDonald. 2,471,071, May 24.
- Shield, Cigarette. M. P. Newberger. 2,471,116, May 24.
- Shield connection for external press type electron discharge tubes. A. H. Spencer. 2,464,270, Mar. 15.
- Shield, Croche. J. Pinchoff. 2,476,112, July 12.
- Shield, Dental cuspidor. H. H. Lavine. 2,489,967, Nov. 29.
- Shield device. A. and G. Toth. 2,469,531, May 10.
- Shield device, Sectional. J. Kosinski. 2,469,774, May 10.
- Shield, Distributor. E. C. Hallett. 2,465,447, Mar. 29.
- Shield, Eye. H. Vaca. 2,467,448, Apr. 19.
- Shield, Finger. I. D. Davis. 2,467,613, Apr. 19.
- Shield for automobiles, Grille. F. J. Faulhaber. 2,489,020, Nov. 22.
- Shield for dynamoelectric machines, End. P. A. Berg-horn. 2,464,017, Mar. 8.
- Shield for electric wall sockets. J. N. Leopold. 2,462,756, Feb. 22.
- Shield for electrical applications, Enclosing. J. H. Cooper. 2,488,710, Nov. 22.
- Shield for handsets, Noise. P. S. Veneklasen. 2,465,985, Mar. 29.
- Shield for radio receiver dial lamps. F. M. Shea. 2,488,244, Nov. 15.
- Shield for reducing capacities, Integral. N. J. Reitz and G. L. Loomis. 2,491,932, Dec. 20.
- Shield for spark plugs, Moisture. G. G. Burrell. 2,480,545, Aug. 30.
- Shield for use with respirators, Face. G. H. Schauweker. 2,462,005, Feb. 15.
- Shield for vapor electric devices, Internal. H. Winograd. 2,477,506, July 26.
- Shield for vehicles, Mud or splash. R. Ely. 2,461,044, Feb. 8.
- Shield for ventilating windows on automobiles, Ventilating. W. E. Holbrook. 2,486,408, Nov. 1.
- Shield for welding helmets, Auxiliary eye and face. C. E. Bowers. 2,487,848, Nov. 15.
- Shield for windows, Adjustable ventilator. S. D. Koch. 2,491,863, Dec. 20.
- Shield, Garment hanger. F. O. Kestner and W. W. McFall. 2,491,896, Dec. 20.
- Shield, Glare. F. R. Epp. 2,468,435, Apr. 26.
- Shield, Glare. C. A. Young. 2,477,680, Aug. 2.
- Shield, Ice. C. J. Kocinski. 2,489,901, Nov. 29.
- Shield, Industrial safety. W. Dilley. 2,491,957, Dec. 20.
- Shield, Painter's masking. J. V. Hendrick. 2,482,977, Sept. 27.
- Shield, Polarizing antiglare. J. F. Gruben. 2,475,704, July 12.
- Shield, Rain. L. A. Hudson. 2,478,268, Aug. 9.
- Shield, Shoeshine. A. A. Caputi. 2,458,250, Jan. 4.
- Shield, Spark plug. L. N. Murphy. 2,468,225-6, Apr. 26.
- Shield, Spark plug. P. S. Van Orden. 2,463,924, Mar. 8.
- Shield, Sun. F. J. Simon. 2,464,352, Mar. 15.
- Shield, Tuyère. E. C. Miller. 2,482,715, Sept. 20.
- Shielded electrode holder. F. J. Rinehart. 2,477,207, July 26.
- Shielded spark plug. L. F. Hahn. 2,489,410, Nov. 29.
- Shielded spark plug. R. K. Christie. 2,485,699, Oct. 25.
- Shields, Making armpit. J. Culik. 2,478,249, Aug. 9.
- Shift keyer, Frequency. J. M. Brian. 2,480,705, Aug. 30.
- Shift keyer, Frequency. De W. R. Goddard. 2,476,141, July 12.
- Shift keying, Frequency. W. A. Miller. 2,491,387, Dec. 13.
- Shift keying, Frequency. G. L. Usselman. 2,461,456, Feb. 8.
- Shift mechanism for lift truck forks, Side. J. A. Frischmann and R. J. Herman. 2,483,534, Oct. 4.
- Shift mechanism, Typewriter multiple case. R. W. Sears, II. 2,471,588, May 31.
- Shift selecting system, Carrier frequency. C. Buff. 2,486,920, Nov. 1.
- Shifter for projectors, Slide. V. E. Leas. 2,482,117, Sept. 20.
- Shifter, Phase. L. A. de Rosa. 2,483,403, Oct. 4.
- Shifting-lever controlled friction clutch. G. T. Randol. 2,479,083, Aug. 16.
- Shifting mechanism, Air controlled. H. W. Cardwell and J. W. Haupt. 2,491,087, Dec. 13.
- Shifting mechanism, Belt. M. L. Dodge. 2,474,470, June 28.
- Shim. R. Seipt and D. M. Steves. 2,473,307, June 14.
- Shingle. J. L. Killingsworth. 2,460,353, Feb. 1.
- Shingle. E. R. Nolan and E. W. Danbom. 2,462,990, Mar. 1.
- Shingle. M. G. O'Reilly. 2,462,028, Feb. 15.
- Shingle, Interlocking. D. B. Ronzone. 2,486,326, Oct. 25.
- Shingle, Self-aligning. W. L. Rowe. 2,487,593, Nov. 8.
- Ship and loading gear. T. D. Bowes. 2,480,318, Aug. 30.
- Ship construction, Composite. R. C. Sabins. 2,473,039, June 14.
- Ship for handling bulk freight. J. W. Burnett. 2,481,643, Sept. 13.
- Ship of monolithic structure. J. N. Pew, Jr. 2,462,670, Feb. 22.
- Ship protection. H. W. Rudd. 2,489,228, Nov. 22.
- Ship protector. F. A. Hambrick. 2,475,239, July 5.
- Shipping box. K. K. Newsom. 2,475,107, July 5.
- Shipping box. B. A. Wabshaw. 2,462,693, Feb. 22.
- Shipping container. A. Harris. 2,486,711, Nov. 1.
- Shipping container. V. B. McGrew. 2,486,957, Nov. 1.
- Shipping container. D. I. McKenzie. 2,481,855, Sept. 13.
- Shipping container. R. A. Norbom. 2,471,280, May 24.
- Shipping container. R. A. Norbom. 2,478,777, Aug. 9.
- Shipping container. R. H. Van Saun. 2,484,975, Oct. 18.
- Shipping package. R. L. Beach, Jr. 2,474,968, July 5.
- Shipping package for heavy spoons. T. R. Polglase and H. J. Hoebeke. 2,482,869, Sept. 27.
- Ship's log transmission regulator. E. F. Britten, Jr. 2,471,930, May 31.
- Ship's portable batten clip. C. W. Pirl and K. L. Holody. 2,476,563, July 19.
- Ship's stability indicator. F. K. Perkins. C. S. Tarr, W. L. Morey, and C. W. Merriam, Jr. 2,492,178, Dec. 27.
- Shirt and attachment therefor. J. B. Kennedy. 2,477,302, July 26.
- Shirt and trouser holder. C. C. Levin. 2,462,409, Feb. 22.
- Shirt, Dress. S. A. Avery. 2,488,795, Nov. 22.
- Shirt front straightener. C. A. Dukes, Jr. 2,467,117, Apr. 12.
- Shirt, Infant's. E. A. Smicker. 2,469,246, May 3.

- Shock absorber. M. Funkhouser. 2,458,157, Jan. 4.
 Shock absorber. M. Funkhouser. 2,481,210, Sept. 6.
 Shock absorber. R. M. Harmon. 2,470,616, May 17.
 Shock absorber. E. W. Johnson. 2,489,783, Nov. 29.
 Shock absorber. H. J. Kent. 2,461,066, Feb. 8.
 Shock absorber. R. A. MacGregor. 2,464,326, Mar. 15.
 Shock absorber. B. L. Mallory. 2,490,974, Dec. 13.
 Shock absorber. W. G. Patriquin. 2,487,471-2, Nov. 8.
 Shock absorber. R. C. Pierce. 2,483,429-30, Oct. 4.
 Shock absorber. E. F. Rossman. 2,458,206, Jan. 4.
 Shock absorber. R. Watts. 2,471,294, May 24.
 Shock absorber. Bicycle. C. H. Dean. 2,485,484, Oct. 18.
 Shock absorber. Draft rigging. H. L. Spence. 2,474,919, July 5.
 Shock absorber for aerial delivery apparatus. T. Parsons. 2,484,853, Oct. 18.
 Shock absorber for airplanes, Cross-wind landing gear. J. H. Geisse. 2,472,415, June 7.
 Shock absorber for cable tool drilling machines. N. N. Labounsky. 2,482,114, Sept. 20.
 Shock absorber, Friction. G. E. Dath. 2,479,672, Aug. 23.
 Shock absorber, Friction. G. E. Dath. 2,481,006, Sept. 6.
 Shock absorber, Friction. E. H. Lehman. 2,459,229, Jan. 18.
 Shock absorber, Friction. J. H. Link. 2,481,030, Sept. 6.
 Shock absorber, Friction. K. Williams. 2,479,444, Aug. 16.
 Shock absorber, Hydraulic. N. S. Focht. 2,465,680, Mar. 29.
 Shock absorber, Landing. G. Chausson. 2,475,477, July 5.
 Shock absorber structure. R. H. Whisler, Jr. 2,473,043, June 14.
 Shock absorber valve regulator. R. M. Spring. 2,492,331, Dec. 27.
 Shock absorber webbing. E. A. Neff. 2,471,166, May 24.
 Shock-absorbing and motion-impelling means for cinematographs. I. Cisski. 2,482,744, Sept. 27.
 Shock-absorbing apparatus. R. T. A. and L. W. Pifer. 2,481,150, Sept. 6.
 Shock absorbing means. Q. Frazier. 2,481,505, Sept. 13.
 Shock absorbing mechanism. G. O. Gabriel. 2,486,741, Nov. 1.
 Shock absorbing mechanism for railway draft appliances, Friction. G. E. Dath. 2,457,979, Jan. 4.
 Shock absorbing mechanism for railway draft riggings. J. O. Evans. 2,463,366, Mar. 1.
 Shock absorbing mechanism for railway draft riggings, Friction. A. E. Dentler. 2,458,572, Jan. 11.
 Shock absorbing mechanism for railway draft riggings, Friction. L. F. Gadbois. 2,463,373, Mar. 1.
 Shock absorbing mechanism, Friction. G. E. Dath. 2,471,481, May 31.
 Shock absorbing mechanism, Friction. G. E. Dath. 2,486,556, Nov. 1.
 Shock absorbing mechanism, Friction. G. E. Dath. 2,488,005, Nov. 15.
 Shock absorbing strut, Retractable. E. C. Wells. 2,459,982, Jan. 25.
 Shock-absorbing support. R. E. Tarpley and A. J. Williams, Jr. 2,474,921, July 5.
 Shock-absorbing wheel. H. W. Walden. 2,491,698, Dec. 20.
 Shock cushioning pneumatic press. S. Lerma. 2,482,280, Sept. 20.
 Shock eliminating device for railroad track scales. S. Yuschack. 2,492,130, Dec. 20.
 Shock mounting. R. J. Bonthron and W. W. Rosenberry. 2,481,494, Sept. 13.
 Shock-proof bottle container. M. B. Salkowitz. 2,458,737, Jan. 11.
 Shockproof dial indicator. W. R. Kempt. 2,486,293, Oct. 25.
 Shockproof gauge mounting. A. H. Jones. 2,471,961, May 31.
 Shock responsive mechanism. J. A. Favre. 2,467,200, Apr. 12.
 Shock strut. F. E. Bachman. 2,469,912, May 10.
 Shock strut. J. A. Porath. 2,492,765, Dec. 27.
 Shock testing. M. R. Hutchison, Jr. 2,458,382, Jan. 4.
 Shoe. R. M. Martin. 2,478,411, Aug. 9.
 Shoe. J. D. Rizzo. 2,472,987, June 14.
 Shoe and attachment, Sport. H. E. Schatz. 2,484,389, Oct. 11.
 Shoe and bottom member. F. A. Burns. 2,468,863, May 3.
 Shoe and making it, Force-lasted. J. S. Kamborian. 2,467,389, Apr. 19.
 Shoe and making same. E. Sanchioni. 2,485,114, Oct. 18.
 Shoe and making same. I. F. Starnier. 2,464,355, Mar. 15.
 Shoe and table, Ironer. W. C. Erler. 2,474,351, June 28.
 Shoe arch, Dual-action. K. J. Patry. 2,485,506, Oct. 18.
 Shoe, Arch-supporting. T. R. Simons. 2,464,159, Mar. 8.
 Shoe attachment, Adjustable. O. P. Haserodt. 2,489,289, Nov. 29.
 Shoe, Collector. A. Morningstar. 2,461,696, Feb. 15.
 Shoe construction. O. M. Pick and B. E. Goodman. 2,468,944, May 3.
 Shoe, Corn picker gathering. J. R. Parks and H. Hieleen. 2,471,771, May 31.
 Shoe counters, Manufacturing. H. Garyait. 2,468,927, May 3.
 Shoe fastener. R. and C. V. Webb. 2,459,348, Jan. 18.
 Shoe-fit indicator. H. S. Gardner. 2,464,571, Mar. 15.
 Shoe flexing machine. J. and G. R. Faber. 2,464,969, Mar. 22.
 Shoe for pipe joints. H. T. Lytle. 2,491,673, Dec. 20.
 Shoe for thermochemical desurfacing machines. I. P. Thompson and A. J. Miller. 2,483,483, Oct. 4.
 Shoe for welding machines, Grounding. L. H. Knost. 2,474,534, June 28.
 Shoe for wheel flange lubrication. J. E. Smith. 2,486,071, Oct. 25.
 Shoe, Force-lasted. J. S. Kamborian. 2,469,561, May 10.
 Shoe form. G. E. Waugh. 2,466,139, Apr. 5.
 Shoe, Furniture leg. R. E. Miller. 2,458,621, Jan. 11.
 Shoe heel, Adjustable. H. Cameron. 2,486,704, Nov. 1.
 Shoe heel part, Adjustable. A. and E. G. Deschenes. 2,478,810, Aug. 9.
 Shoe heel plate and skate fastening means. T. Anz. 2,470,840, May 24.
 Shoe, High-heel. A. Perugia. 2,465,817, Mar. 29.
 Shoe holder. F. J. Kester. 2,466,442, Apr. 5.
 Shoe holding device. A. H. Glorig. 2,465,017, Mar. 22.
 Shoe insert, Ladderman's. H. C. Pittman. 2,490,469, Dec. 6.
 Shoe jack. C. F. Hammann. 2,485,596, Oct. 25.
 Shoelace. H. J. Stapleton. 2,477,151, July 26.
 Shoe lasts, Manufacture of. F. G. Dresser. 2,487,965, Nov. 15.
 Shoe, Luminescent. J. Goldstein. 2,473,877, June 21.
 Shoe machine. I. I. Hersey. 2,489,641, Nov. 29.
 Shoe machine. R. N. Sutton and E. A. Thomas. 2,485,332, Oct. 18.
 Shoemaking characterized by the employment of a special stiffener. W. H. Heaton and H. H. Straw. 2,480,078, Aug. 23.
 Shoe member for semirimless tension spectacle mountings. J. W. Aspenleiter. 2,491,071, Dec. 13.
 Shoe outsole. M. Margolin. 2,460,838, Feb. 8.
 Shoe, Platform type. R. Maling. 2,460,098, Jan. 25.
 Shoe, Platform type welt. R. Maling. 2,460,097, Jan. 25.
 Shoe positioning and clamping means. T. B. Clarke and W. A. Barker. 2,484,074, Oct. 11.
 Shoe-positioning and holding means. L. G. Miller. 2,486,535, Nov. 1.
 Shoe press. E. Dunford. 2,482,968, Sept. 27.
 Shoe pressure machine. J. Guercio. 2,464,130, Mar. 8.
 Shoe protector. L. Rumpakis, J. Ivanoff, and M. D. Sussman. 2,485,923, Oct. 25.
 Shoe retaining device, Pneumatic. G. J. Nathan. 2,489,429, Nov. 29.
 Shoe, Rubbing. R. J. Champayne. 2,475,476, July 5.
 Shoe, Sand seal. L. S. Longenecker. 2,463,633, Mar. 8.
 Shoe shining device. J. H. and J. M. Arnone. 2,477,713, Aug. 2.
 Shoe, Slip lasted platform. L. B. Hollander. 2,469,647, May 10.
 Shoe, slipper or the like and making same, Platform type. A. Orlando. 2,473,605, June 21.
 Shoe sole. I. D. Wallach. 2,470,200, May 17.
 Shoe sole protector. F. J. La Civita. 2,466,598, Apr. 5.
 Shoe sole, Spiked. A. S. Tarlow. 2,479,793, Aug. 23.
 Shoe sole straightening device. R. R. Mayo. 2,467,625, Apr. 19.
 Shoe, Sports. F. A. Melchionna. 2,471,113, May 24.
 Shoe support. F. H. Tomlin. 2,479,187, Aug. 16.
 Shoe supporting form. M. L. Dodge. 2,463,160, Mar. 1.
 Shoe tree. F. S. Hurwitz. 2,475,390, July 5.
 Shoe tree. L. Kessler. 2,473,207, June 14.
 Shoe tree. R. H. Slavin. 2,459,592, Jan. 18.
 Shoe tree construction, Sanitized. S. M. and A. Abrams. 2,460,405, Feb. 1.
 Shoe tree, Expansible. A. Schoshusen. 2,473,176, June 14.
 Shoe tree, Finger-grip. L. B. Harris, and V. R. Pascale. 2,472,074, June 7.
 Shoe tree for drying shoes, Heated. L. T. Katchel. 2,481,930, Sept. 13.
 Shoe tree for ladies' heelless shoes. L. Feldworth. 2,478,965, Aug. 16.
 Shoe tree for open heeled shoes. R. B. Nelson. 2,485,505, Oct. 18.
 Shoe, Truss. G. F. Barnett. 2,477,163, July 26.
 Shoe, Turned. D. D. Walker. 2,464,471, Mar. 15.
 Shoe, Ventilated. A. G. Vlastos. 2,457,944, Jan. 4.
 Shoe welt. E. R. Ouimet. 2,470,942, May 24.
 Shoe with bellows pocket upper. J. A. Lussier. 2,483,016, Sept. 27.
 Shoe with end stiffener and making same, Force-lasted. J. S. Kamborian. 2,467,386, Apr. 19.
 Shoe with enlargeable opening, Baby's. J. Brust. 2,483,525, Oct. 4.
 Shoe with innersole providing arch supporting flap. F. J. Diamant. 2,460,493, Feb. 1.
 Shoe with integral insole and backstay. F. L. Ayers. 2,460,669, Feb. 1.
 Shoe with interchangeable uppers. F. Parlante. 2,491,930, Dec. 20.
 Shoe with pointed sole and ribbed upper. P. F. Eberle. 2,487,227, Nov. 8.
 Shoe with resilient closure means. C. A. Juliusson. 2,462,324, Feb. 22.
 Shoe with slip soles, Welt type. G. A. Faber and A. B. Rubin. 2,477,866, Aug. 2.

- Shoe with sole edge binding and welt. W. L. Mills and F. W. Kruger. 2,460,262, Jan. 25.
- Shoe with two-layer foxing, Rubber-soled. M. Campagna. 2,481,389, Sept. 6.
- Shoeing gauge. P. H. Howe. 2,464,687, Mar. 15.
- Shoes, Constructing platform. F. J. Diamant. 2,468,617, Apr. 26.
- Shoes, Machineless manufacture of. L. Milchen. 2,471,696, May 31.
- Shoes, Making lined brake. H. R. Dreher. 2,476,588, July 19.
- Shoes, Making platform. R. Caltabiano and W. Zellweger. 2,492,782, Dec. 27.
- Shoes, Making slip lasted welt. J. Meltzer. 2,461,226, Feb. 8.
- Shoes, Making vulcanized, fabric-upper. L. L. Steed. 2,486,995, Nov. 1.
- Shoes, Manufacture of stitchdown. L. S. Curtin. 2,467,466, Apr. 19.
- Shoes, Manufacture of turn. K. A. Stritter. 2,469,482, May 10.
- Shoes, Molding plastic. J. J. Booth. 2,470,089, May 17.
- Shopping bag handle. E. S. Kardon. 2,458,173, Jan. 4.
- Shore. M. E. Edvinsson. 2,486,132, Oct. 25.
- Short-circuited winding. H. Arnemo. 2,458,237, Jan. 4.
- Short-circuiter for alternating current motors. S. S. Brown. 2,465,195, Mar. 22.
- Short-wave adjustable radio tube. A. Binneweg, Jr. 2,467,420, Apr. 19.
- Short wave system, Ultra. C. H. Brown. 2,489,855, Nov. 29.
- Shot shell. W. L. Finlay and G. E. Hutchinson. 2,462,312, Feb. 22.
- Shoulder pad. S. Bloom. 2,459,489, Jan. 18.
- Shoulder pad. C. C. Cast. 2,487,423, Nov. 8.
- Shoulder pad. A. Diamond. 2,461,881, Feb. 15.
- Shoulder pad. A. Ingalls. 2,459,648, Jan. 18.
- Shoulder pad. V. Markham. 2,467,488, Apr. 19.
- Shoulder pad. R. E. Riley. Re. 23,167, Nov. 15.
- Shoulder pad. R. E. Riley. 2,465,120, Mar. 22.
- Shoulder pad. S. Sameth. 2,492,890, Dec. 27.
- Shoulder pad support and brassiere, Combined. S. L. Clark and M. Raphael. 2,483,809, Oct. 4.
- Shovel and scraper, Trench excavator. D. F. Przbylski. 2,472,758, June 7.
- Shovel attachment, Corn planter. O. Farley. 2,459,634, Jan. 18.
- Shovel attachment, Tractor. W. E. Templeton. 2,469,615, May 10.
- Shovel, Elevating. W. C. Anthony. 2,488,699, Nov. 22.
- Shovel, Grain. W. H. Nugent, Jr. 2,465,469, Mar. 29.
- Shovel, Mechanical mine shaft. A. O. Hall. 2,461,978, Feb. 15.
- Shovel, Power. W. M. Huston. 2,490,132, Dec. 6.
- Shovel, Snow. R. H. Camp. 2,463,150, Mar. 1.
- Shovel, Snow. A. J. McLoughlin. 2,470,217, May 17.
- Shovel structure and support therefor. W. Jameson. 2,484,409, Oct. 11.
- Shovel, Truck loading. E. Kendall. 2,476,667, July 19.
- Shovel, Vehicle mounted. R. J. Nadherny. 2,461,653, Feb. 15.
- Showcase for lipsticks. M. Seassau. 2,487,275, Nov. 8.
- Showcase, Refrigerated. A. L. and K. A. Weber. 2,486,724, Nov. 1.
- Showcase with display racks therein. F. A. Saunders. 2,461,698, Feb. 15.
- Shower, Compartment. H. G. Mullett and J. L. Sevedge. 2,463,637, Mar. 8.
- Shower curtain for bathtubs. S. E. Dalton, Jr. 2,481,397, Sept. 6.
- Showerhead. F. A. Katches and W. D. Tipton. 2,462,752, Feb. 22.
- Shower head. J. W. Shook. 2,475,919, July 12.
- Shower head attachment. E. Rose. 2,485,112, Oct. 18.
- Shower pan construction. G. A. Morthland. 2,484,240, Oct. 11.
- Shower stall construction. L. Charteris. 2,466,378, Apr. 5.
- Shredding device, Stalk. J. L. Aasland. 2,484,802, Oct. 18.
- Shredding device, Vegetable and fruit. J. M. Newman. 2,460,901, Feb. 8.
- Shredding machine. M. Ross. 2,464,993, Mar. 22.
- Shredding machine with reciprocating cutter plate and adjustable feed channel having resilient holding means. H. Hysmith. 2,480,736, Aug. 30.
- Shrimp, Processing of. G. Garnatz, N. H. Vollé, and F. E. Deatherage. 2,488,184, Nov. 15.
- Shrinkage control of cellulosic fibers. L. Beer. 2,484,545, Oct. 11.
- Shroud for multiple runner fluid couplings. R. P. Clifton. 2,473,137, June 14.
- Shucking machine, Scallop. F. A. Doiron. 2,476,962, July 26.
- Shuffleboard cue. E. S. Boose. 2,474,728, June 28.
- Shunt for laminated core structures, Adjustable magnetic. W. Sliwiak. 2,460,656, Feb. 1.
- Shunting means for railway running gear, Electric. M. Watter. 2,488,785, Nov. 22.
- Shutoff device, Automatic. T. E. Parrish. 2,489,461, Nov. 29.
- Shutoff device, Automatic ignition. A. F. Pantuosco. 2,471,651, May 31.
- Shutoff device for carbonaceous fuel burners, Safety. W. H. Robinson. 2,488,330, Nov. 15.
- Shutoff for storage tanks of flow lines, Automatic. E. C. Dempsey. 2,492,274, Dec. 27.
- Shutoff valve. G. B. Warren and E. E. Parker. 2,483,163, Sept. 27.
- Shutter and cover blind for cameras, Gravity operated pivoted. S. J. Pask and G. P. Grant, Sr. 2,478,309, Aug. 9.
- Shutter and diaphragm mechanism for cameras. A. Schwarz. 2,480,973, Sept. 6.
- Shutter control for cinematographic cameras. J. Bolsey. 2,462,302, Feb. 22.
- Shutter for cameras, Automatic two-blade. C. C. Fuerst. 2,475,952, July 12.
- Shutter for cameras, Variable aperture curtain. J. Mihalyi. 2,472,607, June 7.
- Shutter for fans, Automatic. M. S. Habinski. 2,468,366, Apr. 26.
- Shutter mechanism for photoelectric counters. W. P. Fergani. 2,465,215, Mar. 22.
- Shutter or blind, Adjustable louver. C. E. Cooper. Re. 23,182, Dec. 13.
- Shutter or blind, Adjustable louver. C. E. Cooper. 2,457,871, Jan. 4.
- Shutter release device for photographic cameras. W. Castedello. 2,464,671, Mar. 15.
- Shutter release for folding cameras. R. E. Prentice. 2,483,232, Sept. 27.
- Shutter releasing mechanism. C. C. Fuerst. 2,468,702, Apr. 26.
- Shutter with automatic diaphragm, Camera. C. C. Fuerst. 2,472,580, June 7.
- Shutter with cover blade and magnetic retarding means, Photographic. M. Kaplowitz. 2,486,169, Oct. 25.
- Shutter with built-in flash synchronizer, Blade and cover blind. D. C. Harvey. 2,472,587, June 7.
- Shutter with built-in synchronizer, Automatic. C. C. Fuerst. 2,469,688, May 10.
- Shutter with built-in synchronizer, Automatic type. M. R. Hutchison, Jr. 2,490,755, Dec. 6.
- Shuttle control mechanism for narrow ware looms. A. W. C. M., and E. G. Gage. 2,490,589, Dec. 6.
- Shuttle for narrow ware looms. F. A. Hardick. 2,470,981, May 24.
- Shuttle for sewing machines. R. Casas. 2,488,052, Nov. 15.
- Shuttle friction pad and assembly. J. E. Segee and W. J. Gosselin. 2,490,762, Dec. 6.
- Shuttle-guiding device in circular looms. H. Pelcé. 2,473,172, June 14.
- Shuttle operating mechanism, Pneumatic. T. Hindle. 2,488,192, Nov. 15.
- Shuttle, Tating. C. G. Cisneros. 2,469,291, May 3.
- Shuttle, Tating. H. B. Daniello. 2,470,391, May 17.
- Shuttlecock. W. J. Studer. 2,484,475, Oct. 11.
- Shuttlecock. A. M. Timpé. 2,485,420, Oct. 18.
- Sickbed waste receptacle holder. H. L. Chandler. 2,471,309, May 24.
- Sickle drive for harvesters, Fluid pressure. E. L. Stewart. 2,484,861, Oct. 18.
- Sickle grinder, Semiautomatic. R. W. Coffeen. 2,486,119, Oct. 25.
- Side posture chiropractic adjusting table. A. I. Mueller. 2,472,675, June 7.
- Sieve and mounting means therefor, Purifier. J. P. Woolcott and H. M. Woolcott, Jr. 2,487,914, Nov. 15.
- SIF-impregnated alumina catalyst and preparing it. A. D. Garrison. 2,483,130, Sept. 27.
- SIF-impregnated silica-alumina catalyst. A. D. Garrison. 2,483,131, Sept. 27.
- Sifter for cigarette receptacles. A. Gomez. 2,479,613, Aug. 23.
- Sifter, Horizontal rotating. L. D., R. E., and W. V. Gannon. 2,466,309, Apr. 5.
- Siftproof bag. F. D. Palmer. 2,470,789, May 24.
- Sight alignment attachment for surveying instruments. M. W. Braunlich. 2,485,558, Oct. 25.
- Sight, Firearm. J. C. Garand. 2,486,400, Nov. 1.
- Sight for firearms, Adjustable rear. G. A. Wilson. 2,465,561, Mar. 29.
- Sight for firearms, Grenade. J. C. Garand, E. G. Cooper, J. R. Bird, and H. C. Miller. 2,458,510, Jan. 11.
- Sight glass assembly. G. Le Roy. 2,461,989, Feb. 15.
- Sight glass fluid flow indicator. J. F. Sebald and W. H. De Hay. 2,481,882, Sept. 13.
- Sight, Gun. P. Neumann. 2,475,570, July 5.
- Sight mount, Quick detachable telescope. R. R. Foster. 2,475,383, July 5.
- Sight mount, Telescope. M. P. Buehler. 2,486,002, Oct. 25.
- Sight, Shotgun. D. A. Pretzer. 2,458,638, Jan. 11.
- Sight, Stereoscopic. S. J. Zarodny. 2,482,822, Sept. 27.
- Sighting apparatus for ascertaining the velocity and direction of movement of aerial targets. A. L. Ricordel. 2,476,625, July 19.
- Sighting device, Spectacle. K. Clark and K. O. Sisson. 2,462,468, Feb. 22.
- Sighting mechanism. F. V. Johnson. 2,467,831, Apr. 19.
- Sighting station for remote aircraft turret control. C. G. Holschuh and D. Fram. 2,476,300, July 19.

- Sign: See—
Advertising sign.
Luminous and luminescent sign.
- Sign with location indicator, Road. D. C. Beatty. 2,492,679, Dec. 27.
- Sign with ventilating means therefor, Illuminated. L. E. Peters. 2,465,034, Mar. 22.
- Signal: See—
Aerial signal.
Animated signal.
Audible signal.
Automobile disappearing warning signal.
Automobile signal.
Curbing signal.
Door controlled mailbox signal.
Door operated mailbox signal.
Signal amplitude responsive trigger circuits for quantizing. R. D. Cunningham. 2,486,390, Nov. 1.
Signal amplitude responsive trigger circuits for quantizing. R. D. Cunningham. 2,486,391, Nov. 1.
Signal and directional light, Vehicle. B. J. Wisuri. 2,483,687, Oct. 4.
Signal and reminder, Automatic. H. J. Fowler. 2,482,615, Sept. 20.
Signal and stop light for vehicles, Directional. W. T. Kelley. 2,486,476, Nov. 1.
Signal apparatus, Train carried cab. L. R. Allison. 2,462,454, Feb. 22.
Signal assembly, Electrical. J. Williams. 2,475,867, July 12.
Signal attachment, Vehicle. M. P. Mack. 2,483,058, Sept. 27.
Signal comparator, Cathode-ray tube. D. E. Sunstein. 2,480,978, Sept. 6.
Signal construction, Musical chime. G. R. Fish. 2,472,371-3, June 7.
Signal construction, Musical chime. C. Miller. 2,472,382, June 7.
Signal device, Door. L. L. Verkuil. 2,463,832, Mar. 8.
Signal device for automobiles, Automatic. W. R. Niles. 2,458,192, Jan. 4.
Signal device for blind pedestrians, Street crossing. E. M. Smith. 2,461,448, Feb. 8.
Signal device for tanks, Liquid level. B. Ladner. 2,472,665, June 7.
Signal distributing system. P. M. G. Toulon. 2,471,253, May 24.
Signal flag for milboxes, Door actuated. C. F. Swanson. 2,478,727, Aug. 9.
Signal for airplanes, Emergency radio. C. J. Camp. 2,473,050, June 14.
Signal for automobiles and the like, Optical. A. A. Volk. 2,477,022, July 26.
Signal for calling attendants, Self-contained visual. B. R. Bralove. 2,465,426, Mar. 29.
Signal for continuously operated radio receivers, Warning. H. C. Riordan. 2,478,320, Aug. 9.
Signal for counter displays, Teletale. H. Weir. 2,467,873, Apr. 19.
Signal for mailboxes, Door actuated reciprocating. R. L. Pagner. 2,468,257, Apr. 26.
Signal for motion-picture cameras, Used-film. I. Cisski and A. Shapiro. 2,482,745, Sept. 27.
Signal for motion-picture projectors, Audible reel. J. G. Jackson. 2,469,731, May 10.
Signal for railroads, Light. E. W. Moore. 2,458,401, Jan. 4.
Signal for railway trains, Hotbox. K. B. Austin. 2,486,546, Nov. 1.
Signal generation system. C. H. Hoepfner. 2,457,819, Jan. 4.
Signal generator. W. R. Flatford. 2,482,165, Sept. 20.
Signal generator. B. D. Loughlin. 2,461,120, Feb. 8.
Signal lamp with extensible support, Oscillating. D. Pruver. 2,487,727, Nov. 8.
Signal level control, Video. L. F. Mayle. 2,469,606, May 10.
Signal level, Touch. F. H. Hagner. 2,472,420, June 7.
Signal pick-off control means, Rotary. T. E. Sierer, Jr. 2,466,055, Apr. 5.
Signal receiving and transmitting apparatus. H. W. Becker. 2,491,244, Dec. 13.
Signal receiving systems, Channelized high-frequency. F. M. Davis. 2,487,857, Nov. 15.
Signal seeking receiver. V. H. Wiley. 2,491,942, Dec. 20.
Signal-seeking receiver for amplitude modulation and frequency modulation signals. M. G. Nicholson, Jr., and J. C. Pontius. 2,487,772, Nov. 8.
Signal smoke compositions. J. Vinton and D. M. MacMillan. 2,489,549, Nov. 29.
Signal system, Electrically actuated chime. F. V. Slaker. 2,487,767, Nov. 8.
Signal system for tables, Electric. B. Walter. 2,491,841, Dec. 20.
Signal system, Navigation. E. W. Penton. 2,458,414, Jan. 4.
Signal system, Supervisory. I. N. McBain. 2,486,360, Oct. 25.
- Multielectrode gas discharge electric sign.
Rotatable illuminated advertising sign.
Weighted pivoted sign.
- Electrically operated time lapse traffic signal.
Emergency safety signal.
Light signal.
Luminous time lapse traffic signal.
Motor vehicle passing signal.
Neon-type sign.
Trailer tire deflation signal.
- Signal translating apparatus and supporting means therefor. C. M. Sinnott. 2,488,608, Nov. 22.
Signal translating apparatus, Modulated-oscillator type. H. P. Kalmus. 2,489,379, Nov. 29.
Signal translating device, Variable inductance. H. S. Huff. 2,475,185, July 5.
Signal-translating stage, Ultra high frequency. D. H. Mitchell. 2,486,863, Nov. 1.
Signal translator blocking circuit. M. C. Dettman. 2,459,798, Jan. 25.
Signal transmission system, Electrical. C. de Vriendt and L. A. B. Cabes. 2,474,234, June 28.
Signal type torque indicating wrench. H. R. Billeter. 2,486,103, Oct. 25.
Signal type torque indicating wrench. M. Hattan. 2,474,247, June 28.
Signal unit, Reel. J. G. Jackson. 2,457,901, Jan. 4.
Signaling. H. Johnson, V. D. Landon, and A. M. Wiggins. 2,482,914, Sept. 27.
Signaling apparatus and system, Selective. W. T. Rea. 2,458,030, Jan. 4.
Signaling apparatus, Audible electric. C. Miller. 2,465,111, Mar. 22.
Signaling apparatus, Electric lamp. L. J. Davies and H. K. Bourne. 2,477,966, Aug. 2.
Signaling apparatus, Periodic. C. C. Chambers and R. M. Showers. 2,468,483, Apr. 26.
Signaling apparatus, Railway. C. B. Shields. 2,482,296, Sept. 20.
Signaling apparatus, Submarine. H. Benioff. 2,460,274, Feb. 1.
Signaling arrangement, Call failure. A. E. Joel, Jr. 2,465,539, Mar. 29.
Signaling circuit. R. C. Mathes. 2,483,732, Oct. 4.
Signaling device adapted to be operated automatically after being launched, Self-contained emergency. M. Dwyer and P. B. Edwards. 2,459,267, Jan. 18.
Signaling device, Alarm, light, and safety. E. F. Lynd. 2,473,436, June 14.
Signaling device, Audible. C. Miller. 2,465,655, Mar. 29.
Signaling device, Emergency. M. Dwyer. 2,481,987, Sept. 13.
Signaling device for cycles and the like. J. P. Bauters. 2,469,944, May 10.
Signaling device for drive-in theaters. J. L. Wetzel, D. G. Chakiris, and R. F. Poorman. 2,463,839, Mar. 1.
Signaling device for mailboxes. L. C. Jaskala. 2,469,558, May 10.
Signaling device for molding apparatus, Air pressure. J. and A. Tuller. 2,492,449, Dec. 27.
Signaling device for vehicles. H. J. Beemer. 2,473,631, June 21.
Signaling device, Heliographic. J. C. Stimson. 2,467,165, Apr. 12.
Signaling device, Proportional pulse. E. P. Turner. 2,464,757, Mar. 15.
Signaling device, Smoke. J. W. VanKarnen. 2,476,125, July 12.
Signaling device, Submarine. R. W. Gillespie. 2,477,246, July 26.
Signaling device, Supervisory. P. M. G. Toulon. 2,473,314, June 14.
Signaling in telephone or like switching systems, Supervisory. M. E. Maloney. 2,468,299, Apr. 26.
Signaling means. Circuit integrity. C. M. Hines. 2,464,978, Mar. 22.
Signaling means for aviation trainers, Automatic radio. G. L. Lang. 2,460,511, Feb. 1.
Signaling means for training devices. T. J. McLaughlin. 2,465,165, Mar. 22.
Signaling means, Light. B. G. Lake. 2,484,837, Oct. 18.
Signaling means, Visual training. H. B. Day. 2,476,708, July 19.
Signaling system. H. M. Bascom, R. F. Massonneau, B. Ostendorf, Jr., and W. T. Rea. 2,487,781, Nov. 15.
Signaling system. R. C. Ferrar and G. Menhennett. 2,485,580, Oct. 25.
Signaling system. H. E. Goldstine. 2,472,769, June 7.
Signaling system. R. H. Halvorsen. 2,487,130, Nov. 8.
Signaling system. A. E. Joel, Jr. 2,481,221, Sept. 6.
Signaling system. L. H. Montgomery. 2,468,832, May 3.
Signaling system. N. A. Newell. 2,468,805, Apr. 26.
Signaling system. M. C. Poylo. 2,480,160, Aug. 30.
Signaling system. J. B. Rudd. 2,479,025, Aug. 16.
Signaling system, Approach started coded track circuit. W. H. Reichard. 2,488,683, Nov. 22.
Signaling system, Automatic alarm. W. C. Lane, Jr. 2,462,875, Mar. 1.
Signaling system, Coded. F. H. Nicholson. 2,461,077, Feb. 8.
Signaling system, Electrical. H. Candeland and Z. K. Hass. 2,487,522, Nov. 8.
Signaling system, Electrical. W. Saville. 2,484,188, Oct. 11.
Signaling system, Electrical. C. De Vriendt and L. A. B. Cabes. 2,490,038, Dec. 6.
Signaling system, Frequency shift. H. E. Goldstine. 2,492,795, Dec. 27.
Signaling system, Multifrequency. C. Clos. 2,470,145, May 17.

- Signaling system, Multiple-station ship's. J. E. Fouchaux and M. Ingram. 2,478,689, Aug. 9.
- Signaling system, Multiplex. C. Pelmulder. 2,479,020, Aug. 16.
- Signaling system, Pneumatic dispatch. D. W. G. McClure. 2,472,857, June 14.
- Signaling system, Pulse. P. K. Chatterjea and C. T. Scully. 2,476,959, July 26.
- Signaling system, Pulse modulation. C. W. Hansell. 2,470,698, May 17.
- Signaling system, Secret. C. E. Atkins. 2,463,503, Mar. 8.
- Signaling system, Secret. C. E. Atkins and A. V. Mitchell. 2,463,505, Mar. 8.
- Signaling system, Secret. C. E. Atkins. 2,490,022, Dec. 6.
- Signaling system, Selective electric. E. S. Ruth. 2,484,748, Oct. 11.
- Signaling system, Sending and receiving. B. B. Gauld. 2,475,609, July 12.
- Signaling system, Traffic. W. S. Halstead. 2,459,105, Jan. 11.
- Signaling system, Wireless. F. C. Williams. 2,490,394, Dec. 6.
- Silencer with circular flow, Manifold. J. P. Tyskewicz. 2,463,384, Apr. 26.
- Silencer with cloth gas-conducting conduit. R. L. Leadbetter. 2,485,392, Oct. 18.
- Silencer with flattened corrugated gas passage. B. G. Harley. 2,484,826, Oct. 18.
- Silent car wheel. R. H. Clapp and J. A. Phelan. 2,481,200, Sept. 6.
- Silent suction motor. M. Bitzer. 2,484,548, Oct. 11.
- Silica-alumina gel, Preparation of. G. C. Connolly. 2,474,888, July 5.
- Silica-alumina, silica-magnesia catalyst, Mixed. J. P. Billsoly. 2,459,987, Jan. 25.
- Silica-base gel catalysts which includes aging, Manufacturing. K. D. Ashley and A. O. Jaeger. 2,478,519, Aug. 9.
- Silica containing catalysts, Preparation of. E. A. Hunter. 2,472,830, June 14.
- Silica gel-alumina supported catalyst. E. T. Layng. 2,487,564, Nov. 8.
- Silica gel, Preparation of. J. A. Pierce. 2,475,253, July 5.
- Silica gel which involves atomizing sodium silicate into acid, Preparing. J. R. Archer and G. Dunn. 2,483,868, Oct. 4.
- Silica gels, Producing microspherical. J. C. Bailie. 2,457,970, Jan. 4.
- Silica-group IV metal oxide catalyst, Preparation of a. E. A. Hunter and C. N. Kimberlin, Jr. 2,472,832, June 14.
- Silica-group VIII metal oxide catalyst, Preparation of a. E. A. Hunter and C. N. Kimberlin, Jr. 2,472,833, June 14.
- Silica hydrogel and catalysts, Manufacture of. C. L. Thomas. 2,462,236, Feb. 22.
- Silica hydrosol, Making. J. W. Elston. 2,466,842, Apr. 12.
- Silica magnesia catalysts, Preparation of. K. J. Nelson. 2,470,410, May 17.
- Silica-magnesia gel catalyst, Preparing a. E. S. Corner. 2,470,411, May 17.
- Silica-metal oxide hydrogel catalyst, Preparation of a. E. A. Hunter and C. N. Kimberlin, Jr. 2,472,831, June 14.
- Silica microsphere supported iron group catalyst, Preparation of. C. N. Kimberlin, Jr., and R. E. Schexnaider, Jr. 2,488,128, Nov. 15.
- Silica sol. V. Voorhees. 2,457,971, Jan. 4.
- Silica-zirconia catalyst and preparation thereof. T. H. Milliken, Jr., and G. A. Mills. 2,477,638, Aug. 2.
- Silica zirconia gel, Preparation of. R. W. Blue. 2,481,493, Sept. 13.
- Silicate-titanate phosphors. F. A. Kroger. 2,473,960, June 21.
- Siliceous magnesium-containing purifying medium and producing it. J. J. Naugle. 2,469,512, May 10.
- Siliceous materials from hydrocarbon mixtures, Removal of. J. W. E. Wildman, Jr. 2,463,930, Mar. 8.
- Silicic acid esters, Preparation. W. L. C. van Zwet. 2,484,394, Oct. 11.
- Silicon compounds for dewebbing elastomer latices, Organic. R. H. Walsh. 2,482,888, Sept. 27.
- Silicon halides, Preparation of. A. J. Barry, J. W. Gilkey, and L. De Pree. 2,474,087, June 21.
- Silicon material, Preparation of. H. C. Theuerer. 2,475,810, July 12.
- Silicon, Producing. M. M. Striplin, Jr. 2,469,418, May 10.
- Silicon steel, Producing glass coated. V. W. Carpenter and S. A. Bell. 2,492,682, Dec. 27.
- Silicon steel sheet stock having high surface resistivity and resistance to adhesion, Production of. C. E. Gifford. 2,492,095, Dec. 20.
- Sill and air duct, Combination. J. M. Hyde. 2,489,415, Nov. 29.
- Siloxane polymers, Organo-substituted. J. F. Hyde. 2,460,457, Feb. 1.
- Siloxanes, Making. P. C. Servais. 2,485,928, Oct. 25.
- Siloxanes, Production of. J. F. Hyde and W. H. Daudt. 2,489,138, Nov. 22.
- Silver acetylide compound and making same. J. A. Shaw and E. Fisher. 2,483,440, Oct. 4.
- Silver coating organic surfaces. L. E. Martinson and K.-H. Sun. 2,464,143, Mar. 8.
- Silver - copper - zinc - cadmium alloy. R. H. Leach. 2,487,452-3, Nov. 8.
- Silver from residues containing the same, Recovery of. H. A. Liebhafsky and L. B. Bronk. 2,471,824, May 31.
- Silver halide emulsions, Photographic. C. E. Barnes and W. O. Ney, Jr. 2,461,023, Feb. 8.
- Silver halide photographic emulsion with developer and color coupler dispersed therein. E. E. Jelley and P. W. Vittum. 2,478,400, Aug. 9.
- Silver impregnation. G. Schwarz. 2,459,896-7, Jan. 25.
- Silver layer to a steel bearing blank, Applying a. J. B. Brennan. 2,478,037, Aug. 2.
- Silver protective cloth, Making. E. C. Jackson and T. H. Babb. 2,480,930, Sept. 6.
- Silver surface catalysts and producing same. T. J. West and J. P. West. 2,463,228, Mar. 1.
- Simmerer. H. and K. C. Gordon. 2,476,186, July 12.
- Simulated flight control loading and centering means for grounded aviation trainers. K. A. Kail. 2,485,291, Oct. 18.
- Simulating device for training purposes, Natural horizon. W. W. Wood, Jr., and G. Lowkrantz. 2,475,366, July 5.
- Simulating means for grounded aircraft trainers, Rough air. R. C. Dehmel. 2,463,602, Mar. 8.
- Simulator for link trainers, Glide path. B. D. Eyttinge. 2,475,600, July 12.
- Simultaneous dehydrogenation and hydrocarbon synthesis with fluidized catalysts in a single reactor. H. V. Atwell. 2,486,243, Oct. 25.
- Simultaneous haloalkylation and reduction of organic compounds. L. Weisler and A. J. Chechak. 2,486,542, Nov. 1.
- Singeing device for textile fabrics and the like. F. M. Crossman. 2,462,166, Feb. 22.
- Singeing device, Hair. G. H. Bradley. 2,491,708, Dec. 20.
- Singeing tool. M. E. Baker. 2,471,019, May 24.
- Single convolution rubber sealing element. F. E. Payne. 2,464,988, Mar. 22.
- Single disk brake. W. C. Johnson, H. A. Trishman, and E. H. Stratton. 2,466,990, Apr. 12.
- Single lay shirt press. E. Davis and E. A. Winnewisser. 2,483,812, Oct. 4.
- Single-phase capacitor motor. L. W. Buchanan. 2,476,811, July 19.
- Single-phase electric motor. H. E. Ellis. 2,479,329, Aug. 16.
- Single-phase series commutator motor. N. G. Thielers. 2,465,668, Mar. 29.
- Single side-band system. B. E. Lenehan. 2,476,880, July 19.
- Sink and sink assembly, Kitchen. H. A. Patton. 2,476,215, July 12.
- Sink-float apparatus for separating solids. C. Y. Garber and F. M. McKinley. 2,465,220, Mar. 22.
- Sink, Sterilizing. P. A. Jaeger. 2,480,931, Sept. 6.
- Sinker. J. Groza. 2,473,644, June 21.
- Sinker. J. Pelmarsh. 2,459,959, Jan. 25.
- Sinker actuating mechanism for knitting machines. E. J. Berger and H. K. West. 2,473,355, June 14.
- Sinker, Fishing line. L. E. Young. 2,481,707, Sept. 13.
- Sinker, Fishline. E. B. Schwenk. 2,484,357, Oct. 11.
- Sinker for fishing lines. D. P. Mercier. 2,461,833, Feb. 15.
- Sinker, Slip fishline. J. W. Ingleton. 2,482,343, Sept. 20.
- Sintering machine dead plate. W. J. Urban. 2,485,422, Oct. 18.
- Sinusoidal spring forming machine. F. R. Zimmerman. 2,483,865, Oct. 4.
- Siphon. A. J. Deniau. 2,481,984, Sept. 13.
- Siphon apparatus for heated rolls. H. W. Bruker. 2,460,059, Jan. 25.
- Siren. J. F. Fletcher. 2,471,028, May 24.
- Siren. A. L. Guther. 2,462,862, Mar. 1.
- Sirup, Making. C. C. Capdevielle. 2,459,991, Jan. 25.
- 6-alkoxy- α -androsterene-17-ols. P. L. Julian, J. W. Cole, A. Magnani, and E. W. Meyer. 2,484,833, Oct. 18.
- 6-membered heterocyclic compounds. J. B. Dickey. 2,466,396, Apr. 5.
- 6-methoxy-8-(5-isopropyl amino pentylamino) quinoline compounds and quinine as antimalarials. N. L. Drake and J. O. Van Hook. 2,488,274, Nov. 15.
- Size adaption for automobile exhaust pipe extensions and the like. C. W. Chester. 2,459,918, Jan. 25.
- Sizing compositions. A. C. Dreshfield. 2,488,385, Nov. 15.
- Sizing machine, Roller slot. B. E. Balduf. 2,467,651, Apr. 19.
- Sizing machine, Tube. L. H. Messinger. 2,473,383, June 14.
- Sizing mechanism, Internal. M. H. Arms. 2,477,508, July 26.
- Skate. A. Hirschman. 2,461,057, Feb. 8.
- Skate. J. Wutz. 2,474,082, June 21.
- Skate, Bouncing. W. B. Harrell. 2,475,092, July 5.
- Skate construction, Ice. J. Carlson. 2,463,949, Mar. 8.
- Skate, Ice and snow. G. Trachslin. 2,469,798, May 10.
- Skate, Roller. F. A. Pudge. 2,479,255, Aug. 16.
- Skate, Roller. G. A. Reich. 2,461,128, Feb. 8.
- Skating floor, Portable ice. H. Vetter. 2,469,021, May 3.
- Sketching template, Geometrical. A. J. Roper. 2,487,673, Nov. 8.

- Ski. C. L. Wheeler. 2,470,227, May 17.
Ski and pole engaging means therefor, Guidable. W. H. Wheeler. 2,490,183, Dec. 6.
Ski binding. C. T. Durham. 2,491,485, Dec. 20.
Ski binding. H. Hvam. 2,468,879, May 3.
Ski binding. J. M. Piane. 2,462,281, Feb. 22.
Ski binding. O. S. Ruud. 2,469,478, May 10.
Ski, Convertible. R. J. Meehan. 2,485,756, Oct. 25.
Ski press. G. M. O'Neill. 2,474,274, June 28.
Ski retainer. H. R. Lynn. 2,469,604, May 10.
Ski-scooter. O. H. Dunkel. 2,460,815, Feb. 8.
Ski, Water. C. Giacomelli. 2,458,775, Jan. 11.
Ski, Water. H. C. Stephens. 2,482,074, Sept. 13.
Skid corrector, Automatic. R. G. Dosé. 2,461,533, Feb. 15.
Skid platform. J. E. Coonen. 2,465,148, Mar. 22.
Skill device. R. A. Wood. 2,458,668, Jan. 11.
Skimming device. T. W. F. Foster. 2,461,112, Feb. 8.
Skinning device, Animal. G. A. Nick. 2,471,235, May 24.
Skinning machine. L. De Moss. 2,477,289, July 26.
Ski shaker mechanism. D. C. Jones. 2,464,235, Mar. 15.
Skipperproof meat case. F. W. Mewherter and E. E. Smith. 2,461,227, Feb. 8.
Skirt, Adjustable. H. J. Mushier. 2,487,580, Nov. 8.
Skirt and trouser rack. W. E. and E. A. Anderson. 2,466,195, Apr. 5.
Skirt, Crinoline. I. Cohen. 2,469,855, May 10.
Skirt, Fender. G. A. Lyon. 2,474,852, July 5.
Skirt hanger. G. A. Kuhn. 2,485,388, Oct. 18.
Skirt hanger. A. J. Levine. 2,458,997, Jan. 11.
Skiver, Leather. O. E. Zahn. 2,461,462, Feb. 8.
Skiver, Leather lace. L. E. Grimes. 2,472,528, June 7.
Skiving machine. L. P. Dominiak. 2,489,624, Nov. 29.
Skiving tool. H. W. Carnes and C. C. Thomas. 2,463,852, Mar. 8.
Skylights, Making. E. Schottland. 2,483,785, Oct. 4.
Slab for building purposes, Wooden. U. I. S. Edlund. 2,482,405, Sept. 20.
Slab for porcelain fillings, Mixing. W. H. Howard. 2,492,479, Dec. 27.
Slab structures, Preformed. E. C. Hoge. 2,466,106, Apr. 5.
Slack controlling device for cables. T. M. Johnson. 2,462,972, Mar. 1.
Slag pocket. E. E. McVey, J. L. Tatman, and W. C. Wallis. 2,476,614, July 19.
Slant range computing circuit. S. Doba, Jr. 2,466,879, Apr. 12.
Slapless magnetically reciprocable structure. W. E. Benjamin. 2,490,505, Dec. 6.
Slasher, Weed. N. E. Brooke. 2,471,720, May 31.
Slashing yarns, Method and apparatus for. R. A. Smith and J. S. Chaya. 2,461,090, Feb. 8.
Slat, Venetian blind. R. Vogel. 2,488,453, Nov. 15.
Slaughtering device, Poultry. J. L. McDowell, Jr. 2,490,761, Dec. 6.
Sled. H. L. Magun. 2,477,699, Aug. 2.
Sled. C. I. Nelson. 2,482,554, Sept. 20.
Sled—a summer sled, Wheeled. M. R. Foulke. 2,467,932, Apr. 19.
Sled, Automobile. B. Berman. 2,487,297, Nov. 8.
Sled, Farm. E. G. Splith. 2,468,470, Apr. 23.
Sled, Folding. R. G. Peenstra. 2,472,920, June 14.
Sled, Knee. J. C. Forney. 2,480,406, Aug. 30.
Sled, Roller. E. C. Jost. 2,464,868, Mar. 22.
Sled shelter. J. W. Noyes. 2,464,884, Mar. 22.
Sled, Tobacco. C. S. Hill. 2,483,582, Oct. 4.
Sleeper for babies, Safety. S. R. Graves. 2,481,741, Sept. 13.
Sleeping car. G. K. Murphy. 2,464,749, Mar. 15.
Sleeping car arrangement. M. Watter. 2,485,078, Oct. 18.
Sleeping car room arrangement. G. K. Murphy. 2,485,060, Oct. 18.
Sleeping car room arrangement. J. W. Patton. 2,481,148, Sept. 6.
Sleet cutter. R. Malpert. 2,460,099, Jan. 25.
Sleeve construction. E. B. Fried. 2,466,887, Apr. 12.
Sleeve expanding device with integral wedge and piston rod, Metal. W. J. Morrill. 2,461,565, Feb. 15.
Sleeve for dynamite cartridges, Connecting. G. A. Brecker. 2,481,814, Sept. 13.
Sleeve for pump rods, Protective. H. B. Young. 2,470,540, May 17.
Sleeve, Packaging and supporting. W. J. Sanderson and B. J. Westover. 2,476,172, Aug. 9.
Sleeve press. E. Davis. 2,479,729, Aug. 23.
Sleeve press. E. Davis. 2,481,399, Sept. 6.
Sleeve press. B. S. Kagan. 2,463,777, Mar. 8.
Slicer. F. H. Miller. 2,458,090, Jan. 4.
Slicer and collector, Combination potato. T. F. Mason. 2,489,581, Nov. 29.
Slicer, Butter. P. H. Morse. 2,464,339, Mar. 15.
Slicer, Butter or other material. J. N. Baalbergen. 2,479,712, Aug. 23.
Slicer, Cheese. C. L. Wilquin. 2,461,796, Feb. 15.
Slicer, Food. T. G. Devine. 2,474,824, July 12.
Slicer, Food. M. Higgs. 2,478,046, Aug. 2.
Slicer for citrus fruit and the like. A. O. Goldstein. 2,470,813, May 24.
Slicer, Fruit and vegetable. J. Gangemi. 2,472,699, June 7.
Slicer, Potato. E. F. La Bat. 2,470,934, May 24.
Slicer, Potato. P. Vincent. 2,478,515, Aug. 9.
Slicer, Rotary potato. S. M. Kobey. 2,462,105, Feb. 22.
Slicer, Three-way vegetable. H. C. McKinney. 2,473,165, June 14.
Slicer, Vegetable. R. B. Long. 2,463,189, Mar. 1.
Slicer, Vegetable. G. E. Rieder. 2,465,266, Mar. 22.
Slicer with adjustable blade. C. Dodgege. 2,480,717, Aug. 30.
Slicing and cleaning machine, Fish. E. Rivers. 2,466,614, Apr. 5.
Slicing board with parallel knife guides. G. L. Edwards. 2,483,763, Oct. 4.
Slicing device, Bun. B. O. Olson. 2,477,493, July 26.
Slicing machine. C. O. Marshall, Jr. 2,482,013, Sept. 13.
Slicing machine. A. M. Peters. 2,479,182, Aug. 16.
Slicing machine. L. Stiles. 2,478,020, Aug. 2.
Slicing machine. G. W. and J. R. Urschel. 2,482,523, Sept. 20.
Slicing machine. A. van Duyn. 2,486,810, Nov. 1.
Slicing machine, Illuminated gravity feed. H. C. Pfister and P. H. Meyer. 2,492,885, Dec. 27.
Slicing machine, Meat. L. C. Goodwin. 2,463,099, Mar. 1.
Slicing machine, Reciprocating bread. H. J. Criner. 2,479,908, Aug. 23.
Slicing machine with rotary knife and reciprocating carriage, Meat. D. A. Meeker and T. C. Brookhart. 2,488,421, Nov. 15.
Slidable vane pump. J. Dusevoir. 2,462,732, Feb. 22.
Slide, Automatic hob. B. R. Purvin. 2,484,856, Oct. 18.
Slide bolt lock. N. O. Holmsten. 2,482,341, Sept. 20.
Slide, Child's. R. S. Barrabee. 2,465,187, Mar. 22.
Slide device for attaching the table of a high-chair to the arms thereof, Adjustable. N. J. and S. Kroll. 2,478,280, Aug. 9.
Slide fastener. B. R. Austin. 2,463,937, Mar. 8.
Slide fastener. O. Kolbert and A. S. Messer. 2,470,251, May 17.
Slide fastener elements, Making. A. Graf. 2,486,941, Nov. 1.
Slide fastener top stop. R. C. Legat. 2,483,703, Oct. 4.
Slide follower for slide projectors. H. A. Gardner. 2,487,862, Nov. 15.
Slide loop. G. H. Elwell. 2,483,127, Sept. 27.
Slide loop. G. H. Elwell. 2,483,129, Sept. 27.
Slide mounting. T. M. Jablon. 2,490,058, Dec. 6.
Slide, Playground. S. J. Podvinez and W. J. Papa. 2,482,637, Sept. 20.
Slide rule indicator. W. O. Teasdale. 2,463,067, Mar. 1.
Slide, Seat. W. R. Lustig. 2,483,653, Oct. 4.
Slide-type bingo board. C. G. Fawkes. 2,491,257, Dec. 13.
Slide valve. L. V. Robbins, Jr., and W. D. Luening. 2,485,316, Oct. 18.
Slider and constructing the same. L. H. Morin. 2,458,914, Jan. 11.
Slider, Automatic lock. A. E. Carlile. 2,477,439, July 26.
Slider for slide fasteners. I. Gerstman. 2,486,401, Nov. 1.
Slider for slide fasteners, Automatic lock. W. Mikulas and L. L. Jones. 2,462,528, Feb. 22.
Slides and control mechanism therefor, Cross. M. G. Himoff and S. L. Casella. 2,462,498, Feb. 22.
Sliding and swinging hooked end fastener. C. B. Shreve. 2,486,686, Nov. 1.
Sliding bolt fastener. E. J. Cameron. 2,489,078, Nov. 22.
Sliding door lock. W. H. Koeser. 2,473,285, June 14.
Sliding fastener. W. C. Levering. 2,483,057, Sept. 27.
Sliding-jaw, lever, and rack actuated wrench. W. Petersen. 2,481,866, Sept. 13.
Sliding shoe rack. C. M. Panosh. 2,458,194, Jan. 4.
Sliding vane pump. R. C. Dawson. 2,463,860, Mar. 1.
Sliding window, Exterior. W. Lescaze. 2,485,296, Oct. 18.
Sliding window sash holder. L. W. Hughes. 2,478,582, Aug. 9.
Sling. L. M. Caldwell. 2,463,240, Mar. 1.
Sling arrangement, Hoisting. J. J. Hutmacher and L. G. Raiche. 2,490,521, Dec. 6.
Sling for children's high chairs or the like, Foot-holding. A. J. Brandon. 2,467,252, Apr. 12.
Sling for handling aircraft wings. G. Morris. 2,492,172, Dec. 27.
Sling for rifles, Shooting. H. B. Holroyd. 2,463,107, Mar. 1.
Sling, Fracture. N. A. Fleishman. 2,488,058, Nov. 15.
Sling, Two-legged braided. D. S. Robbins. 2,491,767, Dec. 20.
Slinger spacer, Combination. R. W. Kopprasch. 2,483,013, Sept. 27.
Slip. H. C. Seldin. 2,459,590, Jan. 18.
Slip clutch. J. L. Aasland. 2,464,477, Mar. 15.
Slip, Combination. E. M. Deutsch. 2,465,518, Mar. 29.
Slip cover. E. Gould. 2,469,876, May 10.
Slip cover. L. C. Lenz. 2,459,328, Jan. 18.
Slip handling apparatus. W. T. Harrison. 2,482,109, Sept. 20.
Slip, Hydraulic. I. X. Calhoun. 2,491,711, Dec. 20.
Slip, Lady's. E. H. Schwalbe. 2,473,393, June 14.
Slip-lasted footwear, Making. H. W. and E. E. Rollman. 2,484,743, Oct. 11.
Slip, Maternity. B. Devin. 2,480,398, Aug. 30.
Slip, Petti-bra. J. Read. 2,474,115, June 21.
Slip ring. A. Hood, M. Sobel, and E. A. Terhune. 2,473,526, June 21.

- Slip-ring structure. H. T. Jensen. 2,473,147, June 14.
 Slipper bearing. J. A. Petho. 2,460,361, Feb. 1.
 Slipper for ice ballet. J. Kenny. 2,487,247, Nov. 8.
 Slippers, Constructing. B. Wunsch. 2,459,258, Jan. 18.
 Slit, Optical. G. Fassin. 2,485,089, Oct. 18.
 Slitting apparatus. E. D. George. 2,484,619, Oct. 11.
 Sliver collecting means. R. C. Wilkie. 2,478,960, Aug. 16.
 Slivers of artificial fibers, Production of. W. G. Abbott, Jr. 2,473,499, June 21.
 Slot for presser foot hammers, Variable. J. E. Wertz. 2,489,603, Nov. 29.
 Slot-gate foundry mold. R. C. Hawk and J. G. Mezooff. 2,466,235, Apr. 5.
 Slot-gate foundry mold. R. C. Hawk and J. G. Mezooff. 2,480,650, Aug. 30.
 Slot wedge for dynamoelectric machines. C. A. Atwell. 2,484,007, Oct. 11.
 Slotted spectacle frame. S. Allen. 2,482,144, Sept. 20.
 Slowdown for presses. H. M. Purcell. 2,491,393, Dec. 13.
 Slubbing device. G. W. Byers. 2,472,283, June 7.
 Sludge and refuse disposal. W. S. Martin. 2,483,918, Oct. 4.
 Sludge control for sedimentation tanks, Automatic. W. L. Smith. 2,467,409, Apr. 19.
 Sludge decomposition process, Hydrogen fluoride. H. S. Bloch. 2,477,038, July 26.
 Sludge handling and disposal system. E. F. Fisher. 2,461,814, Feb. 15.
 Sludge handling method and apparatus. C. Yeomans. 2,481,894, Sept. 13.
 Sluice gate. E. R. Schofield. 2,487,185, Nov. 8.
 Slurry coal, Dewatering and coking. A. F. Howe. 2,474,251, June 28.
 Slurry mixer. H. B. Coulter. 2,456,061, Jan. 4.
 Small electric motor. J. A. Hanley. 2,476,600, July 19.
 Small electric motor. E. L. Schellens. 2,492,197, Dec. 27.
 Smelting and refining. L. M. Long. 2,465,893, Mar. 29.
 Smelting of zinciferous materials, Vertical retort. W. M. Peirce. 2,492,438, Dec. 27.
 Smoke consuming device. W. Veazey. 2,491,840, Dec. 20.
 Smoke eliminator for underfeed stokers. J. J. Brunner. 2,478,086, Aug. 2.
 Smoke passage, Built-in circuitous. S. R. Wellborn. 2,462,446, Feb. 22.
 Smoke screen generator. L. A. Williams, Jr. 2,476,171, July 12.
 Smoker's pipe. D. P. Lavietes. 2,461,905, Feb. 15.
 Smoker's pipe. D. P. Lavietes. 2,473,715, June 21.
 Smoker's stand. J. J. Wiegand. 2,477,534, July 26.
 Smoking pipe. J. S. Beeneck. 2,481,971, Sept. 18.
 Smoking pipe. F. G. Berger. 2,483,258, Sept. 27.
 Smoking pipe. C. V. Brown. 2,475,472, July 5.
 Smoking pipe. I. G. Vermilyea. 2,485,222, Oct. 18.
 Smoking pipe cleaner. A. L. Sohm. 2,473,180, June 14.
 Smoothing and differentiating circuit. D. J. Campbell and W. G. Wing. 2,492,355, Dec. 27.
 Smoothing iron holder. W. B. Nunnally, Sr. 2,472,676, June 7.
 Snag puller and tackle saver. E. A. Noelcke. 2,482,716, Sept. 20.
 Snap acting device. O. H. Kaminky. 2,486,033, Oct. 25.
 Snap acting device. E. F. Kohl. 2,458,518, Jan. 11.
 Snap acting device and electric switch. A. L. Riche. 2,473,970, June 21.
 Snap acting device, Compact. O. H. Kaminky. 2,476,045, July 12.
 Snap acting device, Rotary operated. W. A. Martin. 2,476,103, July 12.
 Snap acting electric switch. E. F. Kohl. 2,472,333, June 7.
 Snap acting mechanism. W. Hungate. 2,488,596, Nov. 22.
 Snap-acting springing and thermostatic plate. E. S. Smith. 2,487,684, Nov. 8.
 Snap action device. W. A. Martin. 2,476,056, July 12.
 Snap action electric switch. R. W. Goff. 2,468,551, Apr. 26.
 Snap-action electric switch. G. Hollis. 2,460,087, Jan. 25.
 Snap action electric switch. R. S. Lees-Andrews. 2,467,939, Apr. 19.
 Snap action mechanism. S. G. Ransome. 2,486,061, Oct. 25.
 Snap action mechanism. T. G. Richmond. 2,478,503, Aug. 9.
 Snap-action thermostatic switch. H. C. Sway. 2,469,217, May 3.
 Snap clamp. G. A. Tinnerman. 2,466,921, Apr. 12.
 Snap fastener attaching tool. C. D. Buckley. 2,462,801, Feb. 22.
 Snap fastener socket member. W. I. Jones. 2,482,067, Sept. 13.
 Snap gauge. L. S. Subber. 2,469,613, May 10.
 Snap hook for clothes hangers, Safety interlocking. A. Brill and W. Kneissler. 2,483,618, Oct. 4.
 Snap switch. J. C. Clark. 2,463,357, Mar. 1.
 Snap switch. L. Fernandez-Castro. 2,466,165, Apr. 5.
 Snap switch. P. G. Frerer. 2,480,127, Aug. 30.
 Snap switch. H. E. Malone. 2,460,837, Feb. 8.
 Snare, Animal. B. N. Dean. 2,474,933, July 5.
 Snare-type trap. J. D. Taylor. 2,478,025, Aug. 2.
 Snatch block. E. J. Anderson, E. Lehto, and M. Saari. 2,491,069, Dec. 13.
 Snatch block. B. B. Bryson and M. A. Coleman. 2,470,686, May 17.
 Snatch block. W. H. McKissick. 2,474,433, June 28.
 Snips. F. X. T. Legare. 2,468,563, Apr. 26.
 Snowplow. E. L. Wiedman. 2,468,950, May 3.
 Snowplow, Hand. H. Williams. 2,460,560, Feb. 1.
 Snowplow structure. J. R. Ritchie. 2,482,213, Sept. 20.
 Snowshoe, Metal. J. B. Mueller. 2,486,868, Nov. 1.
 Snubber. L. A. Lehrman. 2,490,738, Dec. 6.
 Snubber. R. C. Pierce. 2,479,863, Aug. 23.
 Snubber. W. L. Schlegel, Jr. 2,484,750, Oct. 11.
 Snubber for fishing reels. N. A. Nelson. 2,482,863, Sept. 27.
 Snubber, Parallel motion and picker stick. J. Rinne. 2,484,119, Oct. 11.
 Snubber, Pick shaft. F. G. Lake and E. A. Mastriani. 2,478,284, Aug. 9.
 Snubbing means. G. E. Dath. 2,473,678, June 21.
 Snubbing means. G. E. Dath. 2,484,983, Oct. 18.
 Soaking hides with a sulfonated phenol-formaldehyde condensation product. C. Riehs. 2,469,787, May 10.
 Soap and holder therefor, Floating. L. J. Gennusa. 2,468,192, Apr. 26.
 Soap bars, Making divisible. A. L. Schulerud. 2,486,213, Oct. 25.
 Soap conserving press. J. N. Walker. 2,486,347, Oct. 25.
 Soap container. M. A. Pierce. 2,457,918, Jan. 4.
 Soap container. M. F. Robinson. 2,481,243, Sept. 6.
 Soap container. L. Shuman. 2,490,657, Dec. 6.
 Soap, Continuous production of. F. L. Lachamp. 2,485,205, Oct. 18.
 Soap dabber. F. A. Fortino. 2,461,319, Feb. 8.
 Soap dish, Combined. M. Applebaum. 2,462,299, Feb. 22.
 Soap from hydrogenated vegetable oils, Production of. W. Lange and K. G. Folzenlogen. 2,473,154, June 14.
 Soap from sperm oil, Manufacture of. G. Schmidt and C. Edwards. 2,492,940, Dec. 27.
 Soap, Germicidal. W. S. Gump. 2,487,799, Nov. 15.
 Soap holder. G. C. Heliotte. 2,475,500, July 5.
 Soap, Making. B. Clayton. 2,483,002, Sept. 27.
 Soap manufacturer. W. E. Forney. 2,480,564, Aug. 30.
 Soap product containing guanidine stearate. L. F. Henderson. 2,459,818, Jan. 25.
 Soap product, Powdered. J. M. Tabor, H. F. Seibert, and P. R. Frohning. 2,469,753, May 10.
 Soap, Stabilization of. E. W. Cook. 2,467,295, Apr. 12.
 Soap-thickened compositions and apparatus therefor, Manufacture of. C. R. Hetherington. 2,461,276, Feb. 8.
 Soap with ingrained emblems, Making bar. A. H. Knoll. 2,473,530, June 21.
 Sock drier. T. M. Duff and P. E. Whittington. 2,487,046, Nov. 8.
 Socket. R. C. Fox and T. N. Massey. 2,459,272, Jan. 18.
 Socket and noise shield, Earphone. J. Volkmann. 2,468,721, Apr. 26.
 Socket assembly. M. H. Alldredge. 2,470,205, May 17.
 Socket connector plug. L. J. Irrgang. 2,475,243, July 5.
 Socket contact. C. J. Adams. 2,488,652, Nov. 22.
 Socket, Earphone. A. M. Mondl. 2,468,267, Apr. 26.
 Socket, Electric. S. M. Del Camp. 2,488,901, Nov. 22.
 Socket, Electric. S. M. Del Camp. 2,488,967, Nov. 22.
 Socket, Electric wall. J. C. Walton and R. R. Rundell. 2,469,939, May 10.
 Socket, Electrical. G. B. Pollock. 2,477,895, Aug. 2.
 Socket, Electron tube. V. E. Thomson. 2,492,202, Dec. 27.
 Socket, Fluorescent lamp. H. Y. Mageoch and A. J. Shaback. 2,472,977, June 14.
 Socket, Fluorescent lamp. C. D. McCann. 2,488,677, Nov. 22.
 Socket for electron discharge tubes. E. W. Deiss and H. E. Harris. 2,490,037, Dec. 6.
 Socket for electronic tubes. W. A. Ready. 2,477,940, Aug. 2.
 Socket for electronic tubes with associated condensers. W. J. Larkin and D. H. Bacon. 2,458,390, Jan. 4.
 Socket for fluorescent lighting. N. Neuman. 2,466,778, Apr. 12.
 Socket for miniature bulbs and the like and mounting therefor. E. A. Ackerman. 2,470,280, May 17.
 Socket for snap fasteners, Reinforced. P. E. Fenton and O. J. Huelster. 2,470,740, May 17.
 Socket, Heel. C. H. Clark. 2,488,963, Nov. 22.
 Socket, Incandescent lamp. P. M. and A. J. Parissi. 2,458,724, Jan. 11.
 Socket, Lamp. S. E. Bartelson. 2,471,190, May 24.
 Socket, Light. A. Tiscione. 2,466,566, Apr. 5.
 Socket, Magnetic trouble light. E. W. Hawkins. 2,474,942, July 5.
 Socket, Photographic flash-bulb. G. Prager. 2,485,014, Oct. 18.
 Socket, Radio tube. D. J. Jackson. 2,468,368, Apr. 26.
 Socket, Resilient. D. I. Reiter. 2,467,444, Apr. 19.
 Socket, Safety plug. H. M. Kühn. 2,487,560, Nov. 8.
 Socket, Screw. J. J. Tomalis. 2,474,994, July 5.
 Socket, Swivel rope. F. J. Spang. 2,483,944, Oct. 4.
 Socket, Telltale lamp. B. E. Carlson. 2,461,962, Feb. 15.
 Socket terminal mounting. H. A. Olson. 2,459,390, Jan. 18.

- Socket, Testing. L. Hanopol. 2,458,993, Jan. 11.
- Socket, Theft-proof light. R. G. Miller. 2,489,717, Nov. 29.
- Socket, Vacuum tube. E. Toth, and G. H. Burbage. 2,472,131, June 7.
- Socket wrench. R. L. Cowden. 2,491,089, Dec. 13.
- Soda ash, Production of. E. W. Carrier. 2,459,414, Jan. 18.
- Soda lime. C. H. Egan. 2,470,214, May 17.
- Sodium bifluoride composition. F. W. Panepinto. 2,489,152, Nov. 22.
- Sodium chloride tablet. W. V. Consolazio. 2,478,182, Aug. 9.
- Sodium diacetate, Stabilized. H. F. Bauer and E. F. Glabe. 2,475,368, July 5.
- Sodium diethylmetanilate, Manufacture of. C. H. W. Whitaker. 2,488,885, Nov. 22.
- Sodium hydroxylamine sulfonates, Manufacture of. W. M. Nagle. 2,458,404, Jan. 4.
- Sodium monosulfide, Producing. O. F. Sprague. 2,492,716, Dec. 27.
- Sodium selenate, Producing. C. W. Clark and J. H. Schloen. 2,486,464, Nov. 1.
- Sodium silicate binder, Applying. J. M. Campbell. 2,481,390, Sept. 6.
- Sodium sulfate, Purifying. A. Bonnet and P. Costet. 2,468,803, May 3.
- Sofa, particularly park sofa, Foldable. K. Backlund. 2,467,287, Apr. 12.
- Soil and like cutting and lifting machine. E. N. Griffith and A. C. Howard. 2,467,619, Apr. 19.
- Soil composition, Stabilized natural. C. G. Hammond. 2,469,356, May 10.
- Soil moisture indicator. M. L. and J. H. Flinspach. 2,461,111, Feb. 8.
- Soils for agricultural purposes, Treatment of. C. G. Haycock. 2,468,329, Apr. 26.
- Solar instrument, Graphic. R. W. Justice. 2,475,620, July 12.
- Solder-flux mixture. R. J. Evans and F. L. Kurek. 2,480,723, Aug. 30.
- Soldering apparatus, Electric. G. L. Ward. 2,462,148, Feb. 22.
- Soldering device. S. A. McMillan. 2,477,887, Aug. 2.
- Soldering flux, Benzilic acid. T. A. Hale. 2,461,154, Feb. 8.
- Soldering flux, Naphthoic acid. T. A. Hale. 2,461,155, Feb. 8.
- Soldering furnace. A. L. Dowers. 2,467,298, Apr. 12.
- Soldering iron. F. L. Darling. 2,475,376, July 5.
- Soldering iron. E. H. Rustin. 2,462,131, Feb. 22.
- Soldering iron. C. L. Uhing. 2,458,319, Jan. 4.
- Soldering iron holder. J. L. Brothers. 2,475,941, July 12.
- Soldering machine, Induction can. W. Lampiris. 2,473,755, June 21.
- Soldering method and apparatus. Can. L. L. Jones and J. B. Ystrom. 2,469,392, May 10.
- Soldering to a nickel alloy coil. R. E. Gilbertson. 2,466,890, Apr. 12.
- Soldering tool. M. J. Rose. 2,477,467, July 26.
- Sole and making the same. J. Gregg. 2,467,821, Apr. 19.
- Sole-cementing machine. A. Perri. 2,471,397, May 24.
- Sole element for footwear, Transversely rigid, longitudinally flexible, internal. G. Supple. 2,461,355, Feb. 8.
- Sole, Flexible wooden. W. J. Cain. 2,466,373, Apr. 5.
- Sole-pressing mechanism. T. H. Seely and L. S. Linderoth, Jr. 2,459,845, Jan. 25.
- Sole protector. E. F. De Rooy. 2,484,935, Oct. 18.
- Sole rounding machine. C. W. Baker. 2,490,192, Dec. 6.
- Sole, Shoe. W. J. Lutey. 2,468,886, May 3.
- Solenoid actuated valve. H. G. Wasserlein. 2,458,123, Jan. 4.
- Solenoid and armature formed of strip material. J. W. McClain. 2,467,489, Apr. 19.
- Solenoid bipolar magnetic air valve engine. A. K. Hinchman. 2,486,948, Nov. 1.
- Solenoid construction. N. Dinion. 2,488,468, Nov. 15.
- Solenoid, Fabricated rotary. G. H. Leland. 2,473,598, June 21.
- Solenoid for control of model railroad switches, Double-acting. H. B. Peabody. 2,473,661, June 21.
- Solenoid operated switch. A. S. Dubuar. 2,457,878, Jan. 4.
- Solenoid with plunger. H. Y. Fisher. 2,468,052, Apr. 26.
- Solenoid with plunger. H. W. Jencks. 2,466,592, Apr. 5.
- Solenoid with plunger. E. M. Soreng and H. Y. Fisher. 2,480,057, Aug. 23.
- Solid fuel burning water heater. T. W. Torr. 2,468,694, Apr. 26.
- Solids, Agglomerating crystalline. T. H. Chao. 2,475,582, July 12.
- Solids from liquid suspensions, Separating. C. O. Hoover. 2,472,976, June 14.
- Solids in a liquid bath, Destructive distillation of. A. J. Stamm. 2,459,550, Jan. 18.
- Solubilizing insoluble gelatinized oils. M. Kronstein. 2,476,879, July 19.
- Solution concentration control system. S. G. Noble and W. L. Wolgemuth. 2,492,174, Dec. 27.
- Solution of cellulose acetate, Film forming. R. P. Easton. 2,464,784, Mar. 22.
- Solutions of polymers of acrylonitrile. J. B. Dickey, T. E. Stanin, and H. W. Coover, Jr. 2,487,859, Nov. 15.
- Solutions of polyvinyl derivatives, Manufacture of. P. C. E. J. Corbiere and R. E. F. Stuchlik. 2,481,294, Sept. 6.
- Solutions of riboflavin, Aqueous. M. Hoffer. 2,463,461, Mar. 1.
- Solutions of streptomycin and making same, Stable sterile aqueous. F. J. Kirchmeyer and I. R. Card. 2,473,339, June 14.
- Solutions of tyrothricin, Clear aqueous. P. W. Wilcox, and B. B. Jatul. 2,472,640, June 7.
- Solutions of vinylidene chloride polymers in a solvent containing a sulfoxo group. R. C. Houtz. 2,460,579, Feb. 1.
- Solutions of vinylidene chloride polymers in amide solvents. R. C. Houtz. 2,460,578, Feb. 1.
- Solutions, Purification of. J. W. Newsome and J. W. Van Cleve. 2,486,318, Oct. 25.
- Solvation and depolymerization of coal. M. Orchin. 2,476,999, July 26.
- Solvent extraction. H. R. Davis. 2,492,787, Dec. 27.
- Solvent extraction. C. R. Kincaide. 2,491,115, Dec. 13.
- Solvent extraction as step in milling process. W. R. Lloyd and G. H. Schafer. 2,460,389, Feb. 1.
- Solvent extraction process and apparatus. H. R. Davis. 2,468,044, Apr. 26.
- Solvent stable metal phthalocyanine pigments and making the same. R. H. Wiswall, Jr. 2,486,351, Oct. 25.
- Solvent used in diolefin concentration, Purification of. F. A. Bain and H. R. Emmerson. 2,463,846, Mar. 8.
- Solvents and plasticizers for vinyl resins. J. Delorme and R. Bluma. 2,470,761, May 24.
- Solving device, Right triangle. C. W. Ward. 2,481,549, Sept. 13.
- Soot blower construction, Rotary retracting. H. E. Brelsford. 2,486,585, Nov. 1.
- Sorption process, Selective. D. A. Hermanson. 2,487,804-5, Nov. 15.
- Sorter. C. F. Mullen. 2,472,718, June 7.
- Sorter, Coin. L. T. Miconi. 2,487,163, Nov. 8.
- Sorting device, Card. R. Connor. 2,463,747, Mar. 8.
- Sorting device for separating articles of different conductivities. C. T. Parker. 2,467,773, Apr. 19.
- Sorting machine, Card. N. S. Welk. 2,492,910, Dec. 27.
- Sorting mechanism, Sheet. C. Uschmann and E. H. Jacobson. 2,478,610, Aug. 9.
- Sound absorber with fibrous walls, Diffraction type. V. T. Paré. 2,488,555, Nov. 22.
- Sound and visual reproduction apparatus, Combination. M. Abrahams and G. Gould. 2,491,944, Dec. 20.
- Sound bearing system, Optical. R. M. Sherwood, R. J. Urick, and L. P. Delasasso. 2,470,114, May 17.
- Sound creating device. W. A. Garratt. 2,492,740, Dec. 27.
- Sound detecting and indicating system, Underwater. O. H. Schuck. 2,473,974, June 21.
- Sound direction determining system, Submarine. L. Batchelder. 2,467,368, Apr. 19.
- Sound distributing system for drive-in theaters. J. D. Phyfe. 2,469,986, May 10.
- Sound insulating materials and making. E. G. King. 2,476,306, July 19.
- Sound locating device, Acoustical. H. C. Hayes. 2,459,162, Jan. 18.
- Sound producer, Rotatable tremulant. D. J. Leslie. 2,489,653, Nov. 29.
- Sound recording method and apparatus. H. R. Montague. 2,477,640, Aug. 2.
- Sound recording system, Cathode-ray type. G. L. Beers. 2,478,681, Aug. 9.
- Sound reinforcement system, Volume controlled. E. W. Kellogg. 2,468,205, Apr. 26.
- Sound reproducer, Magazine-type photoelectric. F. H. Owens. 2,466,124, Apr. 5.
- Sound reproducer, Manually operated. M. A. Strumor. 2,479,790, Aug. 23.
- Sound-reproducing device. J. R. Cooney. 2,465,849, Mar. 29.
- Sound reproducing head, Photographic. A. Heurtier. 2,492,696, Dec. 27.
- Sound reproduction accompanied by pictures. F. Waller and W. R. Dresser. 2,475,439, July 5.
- Sound, Reproduction of. H. E. Haynes. 2,462,263, Feb. 22.
- Sound responsive control. J. L. Barker. 2,489,255, Nov. 29.
- Sound system and method, Noise reduction. B. Kreuzer. 2,468,210, Apr. 26.
- Sound system which compensates for variable noise levels. F. A. Morris. 2,462,532, Feb. 22.
- Sounder, Pneumatic. W. Siegert. 2,477,427, July 26.
- Source for firearm sighting devices, Reticle illuminating. T. T. Holme. 2,488,541, Nov. 22.
- Soybean oil composition and preparing same. C. M. Gooding, H. W. Vahlteich, and R. H. Neal. 2,485,633, Oct. 25.
- Soybean oil composition and preparing same. R. H. Neal, C. M. Gooding, and H. W. Vahlteich. 2,485,631, Oct. 25.
- Soybean protein, Isolation of. E. O. Erkkko and R. T. Trelfa. 2,460,627, Feb. 1.
- Soy protein and the preparation thereof, Modified. J. R. Turner. 2,489,208, Nov. 22.

- Soya sitosteryl acetate dibromide, Oxidation of. P. L. Julian, W. J. Karpel, and J. W. Armstrong. 2,464,236, Mar. 15.
- Space bar and escapement mechanism, Typewriter. J. F. Koca. 2,475,031, July 5.
- Space discharge tube and electrode therefor. C. P. Boucher. Re. 23,073, Jan. 11.
- Space heater. H. L. Blackwelder. 2,469,149, May 3.
- Space heater. E. E. Broome. 2,491,849, Dec. 20.
- Space heater. R. E. Crozier. 2,482,746, Sept. 27.
- Space heating. N. Sarria. 2,479,268, Aug. 16.
- Space heating system. D. O. Eggert. 2,481,297, Sept. 6.
- Space scope. A. H. Eckman. 2,470,295, May 17.
- Spacer and guide for stenographic machines, Key lever. H. E. Hooe. 2,469,390, May 10.
- Spacer, Coil section. O. H. Beymer. 2,467,804, Apr. 19.
- Spacer, Conduit. W. H. D. Hinchman. 2,462,399, Feb. 22.
- Spacer-connector for flat dry cells. L. J. Lockwood and V. F. Gongoll. 2,473,632, Aug. 9.
- Spacer, Electrode. J. A. M. van Lierp, F. Prakke, H. J. Landsbergen, and J. H. M. van Uden. 2,459,476, Jan. 18.
- Spacer element for typographical machines. H. R. Freund. 2,464,078, Mar. 8.
- Spacer for electron-discharge tubes. N. B. Krim. 2,464,241, Mar. 15.
- Spacer for tractors, Wheel. S. D. Jarrett. 2,461,983, Feb. 15.
- Spacer, Narrow steel. H. P. Phillips. 2,463,802, Mar. 8.
- Spacing device, Bobby pin. A. A. Norin. 2,466,733, Apr. 12.
- Spacing device for typewriters, Forward and reverse line. M. Ruben. 2,476,917, July 19.
- Spacing hair fasteners, Method and apparatus for. F. D. Reynolds. 2,466,740, Apr. 12.
- Spacing means for cargo units. G. A. Cunningham. 2,486,125, Oct. 25.
- Spader and agitator for concrete block machines, Hydraulic. T. B. Sansbury. 2,492,538, Dec. 27.
- Spar roots for helicopter blades and the like, Making. R. Mayne and H. L. Hosterman, Jr. 2,485,534, Oct. 18.
- Spare tire and wheel carrier. M. C. Kazen. 2,485,740, Oct. 25.
- Spare tire mounting. T. W. Stephenson and C. W. Bugbee. 2,488,481, Nov. 15.
- Spark advance mechanism, Automatic. W. Ostling. 2,470,366, May 17.
- Spark advance mechanism, Automatic. W. Ostling. 2,473,170-1, June 14.
- Spark advance mechanism, Automatic. W. Ostling. 2,475,717, July 12.
- Spark advancing and retarding means for distributors, Automatic. E. F. Haubert. 2,489,775, Nov. 29.
- Spark gap and lamp. W. B. Smits. 2,481,887, Sept. 13.
- Spark gap device. W. J. Knochel. 2,492,295, Dec. 27.
- Spark gap device. J. B. Owens. 2,462,219, Feb. 22.
- Spark gap, Electric. N. Hendry and J. A. Laird. 2,491,979, Dec. 20.
- Spark gap, Triggered. W. G. Mayer. 2,472,115, June 7.
- Spark gap unit. R. Mansfield. 2,477,520, July 26.
- Spark gaps, Making. A. C. Wall and H. E. Oles. 2,491,631, Dec. 20.
- Spark plug. H. M. Bickle and R. A. Balley. 2,459,214, Jan. 18.
- Spark plug. W. A. Bychinsky and W. L. Church. 2,478,087, Aug. 2.
- Spark plug. L. H. Crook. 2,461,590, Feb. 15.
- Spark plug. R. J. L. Dutterer. 2,478,656, Aug. 9.
- Spark plug. R. J. L. Dutterer. 2,487,531, Nov. 8.
- Spark plug. J. J. Fernandez. 2,487,535, Nov. 8.
- Spark plug. L. M. Field. 2,488,972, Nov. 22.
- Spark plug. F. R. Hensel. 2,470,033, May 10.
- Spark plug. W. E. and D. B. Humrichouse. 2,470,821, May 24.
- Spark plug. G. L. Lang. 2,479,577, Aug. 23.
- Spark plug. R. J. Lukeman. 2,469,304, May 3.
- Spark plug. F. I. McCarthy and C. Schandler. 2,460,022, Jan. 25.
- Spark plug. F. I. McCarthy and C. Schandler. 2,471,070, May 24.
- Spark plug. J. D. McCrumm. 2,470,568, May 17.
- Spark plug. H. B. Webber. 2,473,317, June 14.
- Spark plug. P. Winholm. 2,483,357, Sept. 27.
- Spark plug adjustment tool. S. Duma. 2,492,380, Dec. 27.
- Spark plug cleaner. M. J. Barker. 2,475,215, July 5.
- Spark plug cleaner. A. J. Battery. 2,458,825, Jan. 11.
- Spark plug construction. H. R. Feichter. 2,478,259, Aug. 9.
- Spark plug for internal-combustion motors. E. Murphy, J. Mule, and J. Caniglia. 2,490,646, Dec. 6.
- Spark plug. C. M. Carington and G. W. Shoober. 2,473,241, June 14.
- Spatula. W. M. Allen. 2,489,606, Nov. 29.
- Spatula. R. H. Wendt. 2,485,521, Oct. 18.
- Spatula, Electrically heated dental. L. Fox and R. Resnick. 2,468,818, May 3.
- Spear, Releasing. G. A. Lowrey. 2,487,456, Nov. 8.
- Special type valve stem dislodging tool. A. J. Kendall. 2,492,482, Dec. 27.
- Specimen holder. A. I. Newman. 2,466,610, Apr. 5.
- Specimens of paving mixtures, Producing and testing. B. G. Marshall. 2,471,227, May 24.
- Spectacle case. E. Nathan. 2,473,292, June 14.
- Spectacle construction, Detachable bridge-brace-bar. F. A. Stevens. 2,458,963, Jan. 11.
- Spectacle frame. T. Martin. 2,482,195, Sept. 20.
- Spectacle holder. F. H. Foley. 2,468,437, Apr. 26.
- Spectacle lens cleaner. S. Klein. 2,490,636, Dec. 6.
- Spectacle with pivoting lens connections, Plastic brace bar. J. J. Rohrbach. 2,474,119, June 21.
- Spectacles, Microfilm reading. V. E. Pratt and G. F. Gray. 2,485,411, Oct. 18.
- Spectacles with interchangeable lenses. A. Talobre. 2,473,619, June 21.
- Spectrometer, Mass. C. H. Schlesman. 2,470,745, May 17.
- Spectrometry, Mass. H. W. Washburn. 2,475,653, July 12.
- Spectrometry, Mass. H. W. Washburn and C. E. Berry. 2,486,452, Nov. 1.
- Spectrophotometry, Infrared. R. B. Barnes. 2,458,973, Jan. 11.
- Spectroscope grating having spaced zones of diffraction lines. F. J. and W. L. Kaehni. 2,463,280, Mar. 1.
- Spectroscope, Radio-frequency. E. R. McCoppin. 2,485,620, Oct. 25.
- Speculum. J. P. Price and W. T. Stover. 2,483,233, Sept. 27.
- Speech analysis and synthesis system. H. W. Dudley. 2,466,880, Apr. 12.
- Speed and altitude responsive control for aircraft heaters. E. J. Dillman. 2,466,582, Apr. 5.
- Speed and drift indicating system, Doppler effect. C. B. H. Feldman and J. W. McRae. 2,476,032, July 12.
- Speed attachment for drill presses, High-low. F. K. Stein. 2,474,500, June 28.
- Speed change transmission, Automatic. W. B. Barnes. 2,490,503, Dec. 6.
- Speed control device. T. Elleman. 2,468,361, Apr. 26.
- Speed control for electric motors. W. H. Elliot. 2,460,927, Feb. 8.
- Speed control for hosiery mending machines. M. Vitoux. 2,489,688, Nov. 29.
- Speed control for induction motors. G. Koehler. 2,462,751, Feb. 22.
- Speed control for movable illuminators. G. E. Moen, Jr. 2,487,066, Nov. 8.
- Speed control mechanism, Blowpipe machine. L. W. Young. 2,477,108, July 26.
- Speed control mechanism for reeling and unreeling devices and other uses, Positive drive variable. D. D. Symmes. 2,478,674, Aug. 9.
- Speed control, Motor. H. E. Haynes. 2,484,089, Oct. 11.
- Speed control of motors, Automatic. G. W. Switzer. 2,483,678, Oct. 4.
- Speed control of phonograph motors. F. W. Roberts and J. H. Trevitt. 2,490,093, Dec. 6.
- Speed control, Revolving fan. E. Primeaux. 2,458,098, Jan. 4.
- Speed control, Spindle. O. G. Rutemiller. 2,489,725, Nov. 29.
- Speed control system for dynamoelectric machines. C. B. Huston. 2,468,557, Apr. 26.
- Speed control system, Multiple. D. T. Gundersen. 2,485,094, Oct. 18.
- Speed controlled centrifugal valve. W. H. Harstick. 2,473,948, June 21.
- Speed controlled centrifugal valve. O. E. Hintz, Jr. 2,477,982-3, Aug. 2.
- Speed controlled centrifugal valve. J. R. Orellind. 2,473,967, June 21.
- Speed controlling means for direct current motors. G. G. Mozzanini and M. Lebertre. 2,462,120, Feb. 22.
- Speed device, Constant. G. E. White. 2,466,756, Apr. 12.
- Speed drive, Adjustable. G. E. King and M. H. Fisher. 2,459,655, Jan. 18.
- Speed drive, Variable. L. Perhacs. 2,474,789, June 28.
- Speed limiting arrangements for turbine rotors. G. H. Graham, B. E. G. Forsling, and G. Tabberer. 2,459,519, Jan. 18.
- Speed nut tool. W. P. Hammers. 2,470,891, May 24.
- Speed reduction mechanism. J. B. Little and W. A. Munson. 2,458,181, Jan. 4.
- Speed responsive clutch. A. Y. Dodge. 2,464,675, Mar. 15.
- Speed responsive control system. P. Fortescue. 2,492,472, Dec. 27.
- Speed responsive means. A. C. Halter. 2,470,928, May 24.
- Speed responsive valve. J. Sturrock. 2,485,514, Oct. 18.
- Speed sensing device, Electromagnetic. F. O. Wisman and I. Andreasen. 2,480,802, Aug. 30.
- Speed transmission for airplane superchargers, Variable. L. E. La Brie. 2,483,977, Oct. 4.
- Speed varying gearing. W. B. Osborne. 2,467,220, Apr. 12.
- Speedometer attachment. O. M. Kirilin. 2,484,038, Oct. 11.
- Spermicides. N. M. Elias. 2,467,884, Apr. 19.
- Spherical gel particles, Preparation of. J. A. Pierce and C. N. Kimberlin, Jr. 2,474,910, July 5.
- Spherical gel particles, Preparation of. J. A. Pierce and C. N. Kimberlin, Jr. 2,474,911, July 6.

- Spherical particles, Manufacture of. C. G. Gerhold and L. A. Mekler. 2,467,470, Apr. 19.
- Spheroidal aerogel pellets, Preparation. M. M. Marisic. 2,463,467, Mar. 1.
- Spheroidal gel particles, Making. J. A. Anderson and V. Voorhees. 2,468,857, May 3.
- Sphygmomanometer cuff. B. M. Hanafin. 2,481,924, Sept. 13.
- Spice mill. J. M. Thompson. 2,478,646, Aug. 9.
- Spike for lawn sprinklers, Turf-anchoring. R. L. E. Reuter. 2,484,794, Oct. 11.
- Spike, Golf shoe. M. J. Zaleski and R. L. Richards. 2,491,596, Dec. 20.
- Spike holding tool. H. H. Talboys and W. S. Isaacs. 2,480,519, Aug. 30.
- Spike, Railroad. R. A. Ruiz. 2,474,281, June 28.
- Spike, Shoe. R. McKenzie. 2,470,997, May 24.
- Spike, Shoe. V. A. Trusty. 2,481,703, Sept. 13.
- Spill valve. C. W. Morris. 2,459,000, Jan. 11.
- Spindle. K. A. Gelpke. 2,485,093, Oct. 18.
- Spindle, Automatic locking. H. T. Tornberg. 2,461,857, Feb. 15.
- Spindle bearings, Making. J. J. Osplack. 2,466,123, Apr. 5.
- Spindle, Bobbin. C. L. Hamm. 2,471,816, May 31.
- Spindle, Double twist. J. K. Cochran. 2,484,016, Oct. 11.
- Spindle for braiding looms. N. Philippon. 2,481,237, Sept. 6.
- Spindle for spinning, winding, and like textile operations, Double-twist. G. W. R. Fane. 2,467,253, Apr. 12.
- Spindle for strip material. C. A. Bergsten. 2,465,995, Apr. 5.
- Spindle for supporting work engaging strips. O. K. Ziebur. 2,477,109, July 26.
- Spindle head, Multiple. W. Minek. 2,492,391, Dec. 27.
- Spindle, High-speed grinding. C. W. Tydeman. 2,469,186, May 3.
- Spindle, High-speed grinding. C. W. Tydeman. 2,486,227, Oct. 25.
- Spindle, Safety. M. and G. Heyman. 2,463,767, Mar. 8.
- Spindle, Spinning. J. Montane. 2,481,681, Sept. 13.
- Spindle, Textile. C. A. Berg. 2,492,091, Dec. 20.
- Spindle, Textile. L. E. Keene and S. R. Walsh. 2,479,168, Aug. 16.
- Spindle, Textile spinning and twisting. C. A. Berg. 2,486,730, Nov. 1.
- Spindle, tip for comparator gauges. F. K. Floyd. 2,467,615, Apr. 19.
- Spindle, Twisting and cabling. H. C. Uhlig. 2,487,838, Nov. 15.
- Spindle unit. J. P. Laird. 2,486,296, Oct. 25.
- Spinner, Expandable. C. R. Hoadley. 2,480,243, Aug. 30.
- Spinner knob, Steering wheel. H. C. Riemann. 2,475,858, July 12.
- Spinner mounting. E. W. Radtke. 2,471,895, May 31.
- Spinner, Sounding top. G. Palken and N. Elnis. 2,481,337, Sept. 6.
- Spinner, Steering wheel. L. H. Stites. 2,482,641, Sept. 20.
- Spinneret for the production of viscose filaments. D. B. Wicker and E. L. Coe. 2,492,451, Dec. 27.
- Spinning apparatus and the production of artificial filaments, Dry. J. E. Bludworth and C. Hutson. 2,463,676, Mar. 8.
- Spinning artificial fibers, Method and apparatus for. W. L. Webb, G. Moore, and H. D. Merion. 2,465,408, Mar. 29.
- Spinning artificial filamentous products, Method and apparatus for. R. J. Taylor. 2,467,541, Apr. 19.
- Spinning artificial filaments. J. W. Hall and A. W. Hunter. 2,492,425, Dec. 27.
- Spinning artificial filaments, Method and apparatus for. D. B. Wicker and E. L. Coe. 2,492,452, Dec. 27.
- Spinning assistants. S. A. Mose, Jr. 2,489,310, Nov. 29.
- Spinning collagen filaments. A. Cresswell. 2,485,958, Oct. 25.
- Spinning collagen solutions. A. Cresswell. 2,475,129, July 5.
- Spinning cot. E. L. Luaces. 2,467,214, Apr. 12.
- Spinning frame. J. A. Kooistra. 2,479,497, Aug. 16.
- Spinning machine. F. J. Coad. 2,461,466, Feb. 8.
- Spinning machine. W. H. Ham. 2,483,276, Sept. 27.
- Spinning machine. C. H. Harrigan, W. W. Wetzold, G. F. Norcross, and J. C. Van Riper. 2,490,803, Dec. 13.
- Spinning machines, Rayon and like. W. Hartley. 2,458,374, Jan. 4.
- Spinning ring. H. B. Atwood and C. Fillinger. 2,470,736, May 17.
- Spiral cam adjustable socket wrench. F. C. Peterson. 2,460,766, Feb. 1.
- Spit, Barbecue. J. P. Triulzi. 2,486,345, Oct. 25.
- Splash guard, Footwear. H. W. Stroth. 2,475,859, July 12.
- Splice. V. C. J. Peterson. 2,463,199, Mar. 1.
- Splice and making the same, Wire rope. W. Hobbs, Jr. 2,476,731, July 19.
- Splice for crankshaft bearing. M. Shulda. 2,471,982, May 31.
- Splicer, Electrical. W. H. Alford. 2,470,423, May 17.
- Splicer, Film. J. Briskin. 2,460,619, Feb. 1.
- Splicer, Film. W. H. Castay. 2,475,351, July 5.
- Splicing apparatus. I. J. Remark. 2,489,324, Nov. 29.
- Splicing apparatus, Film. E. M. Waggoner. 2,480,794, Aug. 30.
- Splicing device and method, Strand. F. R. King. 2,488,414, Nov. 15.
- Splicing device, Electrode. R. R. Jones. 2,458,272, Jan. 4.
- Splicing device, Inner tube. H. H. Vickers. 2,483,511, Oct. 4.
- Splicing electrical conductors. T. A. Sanders. 2,467,913, Apr. 19.
- Splicing machine, Tape. E. Fraizner. 2,486,204, Oct. 25.
- Spline aligning device for propellers or the like. R. W. Lusk. 2,480,866, Sept. 6.
- Splint, Angular and knee. G. Svaetichin. 2,486,687, Nov. 1.
- Splint, Cervical. L. T. McBee. 2,474,200, June 21.
- Splint for small animals, Surgical. C. T. Mason. 2,474,634, June 28.
- Splint, Match. M. Polacsek. 2,462,772-3, Feb. 22.
- Split-phase induction motor. E. M. Smith. 2,458,436, Jan. 4.
- Split-phase motor reversing circuit. C. E. Weinland. 2,459,479, Jan. 18.
- Split ring retainer extractor. H. P. Carrier. 2,474,222, June 28.
- Splitting machine. G. Hazelton. 2,460,934, Feb. 8.
- Splitting machine, Intestine. M. S. Atkisson and A. E. Schneider. 2,474,299, June 28.
- Splitting machine, Mica. C. Goodman. 2,471,738, May 31.
- Splitting unit for bean cutters, Vine. W. D. Hirschhorn. 2,462,967, Mar. 1.
- Sponge-down apparatus. C. W. I. Thomas. 2,469,184, May 3.
- Sponge-forming compositions. N. Drisch. 2,464,772, Mar. 15.
- Sponge rubber, Making. E. C. Van Buskirk and P. V. Butsch. 2,484,434, Oct. 11.
- Sponges from viscose, Manufacture of artificial. H. A. van der Kroon. 2,490,178, Dec. 6.
- Spool. H. E. Brannon. 2,465,573, Mar. 29.
- Spool. J. V. Cox. 2,472,248, June 7.
- Spool. W. F. Mundt. 2,478,775, Aug. 9.
- Spool. E. W. Powell. 2,487,726, Nov. 8.
- Spool. E. H. Schmidt. 2,477,010, July 26.
- Spool, Adhesive tape. A. W. Canham. 2,486,515, Nov. 1.
- Spool and bobbin assembly, Combination. T. D. Di Adario. 2,458,898, Jan. 11.
- Spool, Exposure-indicating. J. Isaac. 2,458,383, Jan. 4.
- Spool for films, Developing. A. V. L. C. Debie. 2,461,039, Feb. 8.
- Spool for photographic developing tanks. J. C. Grover, Jr. 2,484,341, Oct. 11.
- Spool holder. W. C. Adlman. 2,460,209, Jan. 25.
- Spool, Leader. L. A. Woodland and G. E. Gage. 2,463,009, Mar. 1.
- Spool, Multiple-capacity. R. T. Hedfield. 2,484,090, Oct. 11.
- Spool, Ribbon. C. A. Christoff. 2,483,528, Oct. 4.
- Spooler. I. C. Howes. 2,485,382, Oct. 18.
- Spoon. A. Thompson. 2,480,616, Aug. 30.
- Spoon and medicine bottle, Combined. L. Marcus. 2,485,308, Oct. 18.
- Spoon bait. F. Schäfer. 2,476,388, July 19.
- Spoon, Fishing. A. C. Lundemo. 2,463,889, Mar. 8.
- Spoon holder. H. E. Butler. 2,483,724, Oct. 4.
- Spoon, shovel, or the like implement with a pusher member. A. W. Tanner. 2,483,724, Oct. 4.
- Spoon, Trolling. E. J. Brington. 2,478,085, Aug. 2.
- Sportsman's swivel seat. W. C. Lincoln. 2,483,552, Oct. 4.
- Spotter, Tire. B. Goodman. 2,479,229, Aug. 16.
- Spotting a fluid in a well. J. D. Haynes and O. W. Lyons. 2,481,422, Sept. 6.
- Spotting machine, Garment. W. C. Glover, Jr. 2,479,925, Aug. 23.
- Spotting machine having two rotating disks with alignable viewing openings, Mechanical. E. O. Scheerer and F. H. Guber, Jr. 2,476,918, July 19.
- Spout, Illuminated pouring. G. M. Jackson. 2,477,984, Aug. 2.
- Sprag. C. K. Davis. 2,486,262, Oct. 25.
- Spray attachment, Faucet. E. W. Lehmann. 2,487,023, Nov. 1.
- Spray, Bath. C. T. Manville and P. S. Madsen. 2,488,017, Nov. 15.
- Spray, Cattle. A. Paul, Jr. 2,480,600, Aug. 30.
- Spray, Dental drill. H. R. Morrow. 2,459,573, Jan. 18.
- Spray device. R. E. Meade, N. E. Taylor, and J. F. Crews. 2,473,035, June 14.
- Spray drier apparatus. J. M. Hall. 2,469,553, May 10.
- Spray extractor. G. O. Kimmell. 2,479,625, Aug. 23.
- Spray, Eye. A. Rehn. 2,458,876, Jan. 11.
- Spray fluid rotated sprinkler. W. A. Strock. 2,481,363, Sept. 6.
- Spray, Fly. H. W. Arnold and N. E. Searle. 2,462,835, Mar. 1.
- Spray gun apparatus. G. N. Meyers. 2,464,764, Mar. 15.
- Spray gun attachment. C. W. Mayo. 2,488,089, Nov. 15.
- Spray gun for coating the interior of conduits. J. C. Carnevale. 2,461,517, Feb. 15.
- Spray nozzle deflector, Pivotaly adjustable. T. J. Weaver. 2,480,989, Sept. 6.

- Spray nozzle, Double orifice solid cone. T. W. Murphy. 2,484,577, Oct. 11.
- Spray outfit, Electrically operated. E. D. Rapisarda. 2,462,001, Feb. 15.
- Spray trap. H. J. John. 2,458,909, Jan. 11.
- Sprayer. W. M. Vogel. 2,460,554, Feb. 1.
- Sprayer, Aircraft. S. A. Monson. 2,473,212, June 14.
- Sprayer, Aircraft liquid. L. A. Otterson. 2,488,534, Nov. 22.
- Sprayer and sprayer head for fluent coating materials. W. H. Bell and J. P. Parkman. 2,478,557, Aug. 9.
- Sprayer for centrifugals, Automatically controlled. E. G. Kochli and C. A. Olcott. 2,461,741, Feb. 15.
- Sprayer for garden hose nozzles, Water. J. S. Kirby. 2,477,519, July 26.
- Sprayer, Liquid. H. G. Walters. 2,460,861, Feb. 8.
- Spraying and dusting machine. G. W. Daugherty. 2,476,960, July 26.
- Spraying apparatus. M. K. Benson. 2,463,736, Mar. 8.
- Spraying attachment for centrifugal extractors. H. F. Hahn. 2,480,921, Sept. 6.
- Spraying device. L. Fletcher and J. Winks. 2,457,993, Jan. 4.
- Spraying device, Chemical. L. L. Barr. 2,481,279, Sept. 6.
- Spraying device, Paint. S. R. Ivey. 2,488,195, Nov. 15.
- Spraying device, Paint. F. R. Williams. 2,488,789, Nov. 22.
- Spraying devices, Testing. W. R. Hawthorne and J. R. Joyce. 2,483,637, Oct. 4.
- Spraying machine. G. W. Daugherty. 2,475,449, July 5.
- Spraying machine, Automatic. W. C. Andrews and M. Tyre. 2,488,519, Nov. 22.
- Spraying machine, Paint. I. P. Denysen and W. E. Riecken. 2,462,848, Mar. 1.
- Spraying machine, Vehicular. W. S. Lapp. 2,491,818, Dec. 20.
- Spraying system. I. V. Zeck. 2,462,034, Feb. 15.
- Spread band tuning circuit. Z. Benin. 2,470,426, May 17.
- Spreader. B. E. Baldur. 2,489,171, Nov. 22.
- Spreader and holder, Bag. N. Siegman and I. Johnson. 2,492,448, Dec. 27.
- Spreader and inserter, Date bunch. M. F. Reagan. 2,463,202, Mar. 1.
- Spreader and support, Tire. R. A. Morse. 2,491,327, Dec. 13.
- Spreader and tensioner for circular looms and the like, Wire. A. DeGhetto. 2,459,504, Jan. 18.
- Spreader, Fertilizer. R. D. Acton. 2,467,718, Apr. 19.
- Spreader, Fertilizer. R. D. Acton. 2,484,800, Oct. 18.
- Spreader, Fishmouth. R. Duddale. 2,481,007, Sept. 6.
- Spreader, Flange-union. C. E. Shafer. 2,465,177, Mar. 22.
- Spreader, Manure. J. P. Seaholm. 2,486,214, Oct. 25.
- Spreader, Mortar. T. Kimura. 2,462,644, Feb. 22.
- Spreader, Tipping. L. W. Wachter. 2,484,325, Oct. 11.
- Spreading and loading device, Sand. J. Rome. 2,458,031, Jan. 4.
- Spreading apparatus, Sand. A. F. Humphrey. 2,487,552, Nov. 8.
- Spreading device. J. A. Dunn. 2,479,328, Aug. 16.
- Spreading device, Web. W. H. Corn. 2,486,121, Oct. 25.
- Spreading machine, Cloth. R. E. Sayles. 2,478,840, Aug. 9.
- Spring: See—
- Adjustable sash spring.
- Auxiliary spring.
- Bed spring.
- Electromagnetically operated pretensioned contact spring.
- Friction bolster spring.
- Implement balance control link spring.
- Spring. J. W. Cook. 2,462,363, Feb. 22.
- Spring. P. G. Groom. 2,469,596, May 10.
- Spring. E. Latshaw. 2,469,925, May 10.
- Spring actuated device. R. W. Colwell. 2,488,709, Nov. 22.
- Spring and friction shock absorber, Combined. K. Williams. 2,472,035, May 31.
- Spring and lever system for centrifugal clutches, Anti-rattler. H. Nutt and L. W. Cook. 2,468,685, Apr. 26.
- Spring and spring construction. D. T. Owen. 2,480,158, Aug. 30.
- Spring assembly. D. I. Levine. 2,465,333, Mar. 22.
- Spring assembly, Belleville. J. W. Wells. 2,482,449, Sept. 20.
- Spring clip. W. H. Neely. 2,474,158, June 21.
- Spring clip for adjusting wrench screws. A. M. Maselter. 2,483,917, Oct. 4.
- Spring clip for wire fences. O. B. Fetterman. 2,484,449, Oct. 11.
- Spring clutch. L. B. Ragsdale. 2,479,965, Aug. 23.
- Spring commutator. C. H. Sutherland. 2,468,844, May 3.
- Spring connection means for plastic spectacles. G. A. Ellestad. 2,463,956, Mar. 8.
- Spring construction, Vehicle. H. E. Nordquist. 2,468,835, May 3.
- Spring control means and their mounting on vehicles, Frictional. G. W. Crabtree. 2,483,185, Sept. 27.
- Spring equipment for automotive vehicles, Equalizer. J. M. Allen, Sr. 2,466,833, Apr. 12.
- Spring for low interleaf friction, Leaf. C. O. Guernsey. 2,476,367, July 19.
- Spring for motor vehicles, Auxiliary. B. M. Cook. 2,466,384, Apr. 5.
- Spring for railway cars, Friction. L. E. Endsley. 2,466,087, Apr. 5.
- Spring for upholstered spring structures, Wire. W. H. Neely. 2,480,667, Aug. 30.
- Spring for vehicles, Laminated. H. R. Carver. 2,466,152, Apr. 5.
- Spring foundation. M. Lewittes. 2,467,264, Apr. 12.
- Spring group. F. E. Bachman. 2,483,171-2, Sept. 27.
- Spring group. C. J. Clasen. 2,483,181, Sept. 27.
- Spring group. R. B. Cottrell. 2,473,011, June 14.
- Spring group. R. B. Cottrell. 2,483,360-1, Sept. 27.
- Spring group. C. E. Tack. 2,483,375, Sept. 27.
- Spring motor. E. J. Cole. 2,459,871, Jan. 25.
- Spring mounted brake. J. F. Wein. 2,471,052, May 24.
- Spring oscillating chair. R. R. Marriott. 2,462,521, Feb. 22.
- Spring plank mounting. R. B. Cottrell. 2,465,965, Mar. 29.
- Spring product and forming same. H. C. Keyser. 2,473,027, June 14.
- Spring reel. C. R. Yirava. 2,462,296, Feb. 22.
- Spring retaining ring. H. Heilmann. 2,487,803, Nov. 15.
- Spring structure. V. Asaro. 2,478,650, Aug. 9.
- Spring structure, Shock absorbing. M. H. Hollingsworth. 2,467,478, Apr. 19.
- Spring support. A. J. Loepsinger. 2,480,864, Sept. 6.
- Spring supporting construction for cycle saddle seats. C. A. Persons. 2,467,632, Apr. 19.
- Spring suspension and stabilizer, Combined vehicle. H. A. Flogaus. 2,492,416, Dec. 27.
- Spring suspension for automobile trailers. M. D. Sullivan. 2,464,467, Mar. 15.
- Spring suspension for tandem axles. A. F. Hickman. 2,479,572, Aug. 23.
- Spring suspension for tandem wheeled vehicles. L. A. McFarlane. 2,491,994, Dec. 20.
- Spring suspension for vehicle trucks. J. J. Low. 2,469,566, May 10.
- Spring suspension for vehicles. J. R. Lindsay. 2,481,029, Sept. 6.
- Spring suspension for vehicles. F. T. Rowland. 2,460,106, Jan. 25.
- Spring suspension system and unit for vehicles. P. F. Humig. 2,476,664, July 19.
- Spring suspension, Tandem axle. H. W. Jonkhoff. 2,463,627, Mar. 8.
- Spring suspension, Vehicle. D. E. Austin and W. B. Fageol. 2,473,500, June 21.
- Spring suspension, Vehicle. F. B. Voltz. 2,480,526, Aug. 30.
- Spring tool. F. M. Myers. 2,465,030, Mar. 22.
- Spring type force measuring gauge. F. R. Woodward. 2,476,941, July 19.
- Spring wheel. H. L. Harris. 2,458,941, Jan. 11.
- Spring wheel. W. L. Wharton. 2,482,046, Sept. 13.
- Springing arrangement for tractor-trailers. G. E. Armington. 2,460,725, Feb. 1.
- Springs, joints, and the like. M. F. A. Julien. 2,482,488, Sept. 20.
- Sprinkler: See—
- Spray fluid rotated sprinkler.
- Sprinkler, Automatic. L. M. Lewis. 2,469,832, May 10.
- Sprinkler for lawns, Rotating. F. H. McGuigan. 2,489,192, Nov. 22.
- Sprinkler head. C. Barnett. 2,465,420, Mar. 29.
- Sprinkler, Lawn. H. E. Wessels. 2,469,534, May 10.
- Sprinkler, Oscillating water. J. T. Porter. 2,461,768, Feb. 15.
- Sprinkler, Power. A. F. Stetson. 2,474,071, June 21.
- Sprinkler, Spray fluid rotated lawn. C. H. Perry. 2,488,234, Nov. 15.
- Sprinkler, Square lawn. L. D. Sellars. 2,459,244, Jan. 18.
- Sprocket, Movable tooth film. H. Harrison. 2,487,870, Nov. 15.
- Sprocket, Radial adjusting. D. C. Patmore. 2,469,665, May 10.
- Sprocket, Split. J. J. Bocchino. 2,465,570, Mar. 29.
- Spur for centrifugal molds. F. B. Litton. 2,482,352, Sept. 20.
- Spud for flush tank levers. B. R. Crampton. 2,487,315, Nov. 8.
- Spud wrench holder. A. N. Hanson. 2,469,386, May 10.
- Spun suture. J. O. Bower. 2,484,813, Oct. 18.
- Spur, Ornamental resilient. R. B. McKinney. 2,487,461, Nov. 8.
- Spur shore. J. D. Guerette. 2,470,396, May 17.
- Spurs, Making. C. J. Grimland. 2,479,741, Aug. 23.
- Sput, Barrel. L. M. Bell. 2,471,716, May 31.
- Square. C. Hudkins. 2,470,035, May 10.
- Square, Indicating. R. H. Bigham. 2,487,844, Nov. 15.
- Square voltage wave generator. J. P. Blewett. 2,467,184, Apr. 12.
- Squaring mechanism. L. W. Imm. 2,485,200, Oct. 18.
- Squegee supporting and guiding structure. H. Fleisher and G. H. Tillet. 2,462,376, Feb. 22.

- Squeezer for tea bags. A. F. Sonn. 2,483,985, Oct. 4.
Squeezer, Step-by-step slide operated paste tube. C. B. Trotta. 2,489,940, Nov. 29.
- Stabilization of butadiene with salicylates. L. F. Hatch, D. E. Adelson, and B. O. Blackburn. 2,478,045, Aug. 2.
- Stabilization of butter. W. S. Mueller. 2,472,119, June 7.
- Stabilization of cathode beam tubes. L. A. Meacham. 2,473,691, June 21.
- Stabilization of formaldehyde. E. S. Yates. 2,488,363, Nov. 15.
- Stabilization of formaldehyde. E. S. Yates. 2,492,453, Dec. 27.
- Stabilization of furan. O. W. Cass. 2,489,265, Nov. 29.
- Stabilization of halogen-containing plastic compositions. P. J. Garner and P. G. Croft-White. 2,481,307, Sept. 6.
- Stabilization of organic compounds. J. A. Chenicek and R. B. Thompson. 2,492,335, Dec. 27.
- Stabilization of organic compounds. R. B. Thompson. 2,492,334, Dec. 27.
- Stabilization of organic compounds. R. B. Thompson and J. A. Chenicek. 2,492,336, Dec. 27.
- Stabilization of organic peroxides. H. C. Stevens. 2,491,397, Dec. 13.
- Stabilization of organic substances. G. H. Denison, Jr., and P. C. Condit. 2,473,510, June 21.
- Stabilization of polyvinyl chloride compositions. D. Cleverdon and H. P. Staudinger. 2,481,086, Sept. 6.
- Stabilization of printing pastes containing diazonium salts. F. H. Adams. 2,479,890, Aug. 23.
- Stabilization of tetrahydrofuran. C. A. Bordner. 2,489,260, Nov. 29.
- Stabilization of trichlorethylene and tetrachloroethylene. W. Klabunde. 2,492,048, Dec. 20.
- Stabilization of unsaturated nitriles. R. C. Castner and L. M. Peters. 2,481,080, Sept. 6.
- Stabilization system, Frequency modulation. A. G. Clavier. 2,468,038, Apr. 26.
- Stabilized brief case. L. Lifton. 2,474,003, June 21.
- Stabilized composition. D. B. Luten, Jr., and A. De Benedictis. 2,479,948, Aug. 23.
- Stabilized composition. B. B. McHan. 2,479,583, Aug. 23.
- Stabilized ethyl cellulose. W. J. Myles. 2,465,914, Mar. 29.
- Stabilized glyceridic oil compositions and preparing them. H. W. Vahlteich, C. M. Gooding, and R. H. Neal. 2,485,640, Oct. 25.
- Stabilized halogenated compositions and electrical devices. F. M. Clark. 2,468,544, Apr. 26.
- Stabilized heat polymerizable compositions of N-vinyl pyrrole compounds. C. E. Barnes. 2,483,962, Oct. 4.
- Stabilized oscillation generator. W. H. Bliss. 2,490,404, Dec. 6.
- Stabilized oscillator generator. C. J. Young. 2,490,500, Dec. 6.
- Stabilized pyrethrin insecticide. H. G. Smith, and M. L. Hill. Re. 23,168, Nov. 15.
- Stabilized solution of 1-methyl-5-isopropyl-5-allyl barbituric acid sodium salt. O. Schnider. 2,483,387, Sept. 27.
- Stabilized system. R. Rudin. 2,482,373, Sept. 20.
- Stabilizer. H. Ford and E. Nador. 2,472,291, June 7.
- Stabilizer, Automobile. J. K. Tank. 2,490,719, Dec. 6.
- Stabilizer for alternating current power transmission systems. E. F. W. Alexanderson. 2,470,454, May 17.
- Stabilizer for child's carriage. G. W. Ream. 2,465,037, Mar. 22.
- Stabilizer for icings. A. B. Steiner and L. B. Rothe. 2,474,019, June 21.
- Stabilizer for oscillators, Frequency. W. E. Bradley. 2,485,029, Oct. 18.
- Stabilizer for pot type oil burners, Pilot. B. Hayter and M. D. Huston. 2,490,267, Dec. 6.
- Stabilizer for washing machines. J. W. Chamberlin. 2,466,153, Apr. 5.
- Stabilizer, Magnetic. G. Cave-Brown-Cave. 2,479,309, Aug. 16.
- Stabilizer, Magnetic compass. B. Chance. 2,463,245, Mar. 1.
- Stabilizer mechanism, Sidedraft. W. Vutz. 2,474,445, June 28.
- Stabilizer, Steering. G. W. Martin. 2,462,272, Feb. 22.
- Stabilizer, Tandem X-ray tube. W. N. Lundahl and R. L. Wright. 2,492,304, Dec. 27.
- Stabilizer, Tractor track. D. R. Zang. 2,483,308, Sept. 27.
- Stabilizers for photographic silver-halide emulsions. N. Heimbach and W. Kelly, Jr. 2,475,136, July 5.
- Stabilizing a cellulose ether. W. D. Faist, and F. Berard-inelli. 2,472,227, June 7.
- Stabilizing and guide apparatus for lifter roof tanks. D. E. Larson. 2,477,629, Aug. 2.
- Stabilizing and guide apparatus for lifter roofs. D. E. Larson and C. Arne. 2,485,614, Oct. 25.
- Stabilizing apparatus. L. B. Lynn. 2,481,853, Sept. 13.
- Stabilizing apparatus for aircraft, Landing gear. C. L. Johnson. 2,489,417, Nov. 29.
- Stabilizing apparatus for lifter roof tanks. C. Arne. 2,477,564, Aug. 2.
- Stabilizing cellulose esters and the products thereof. W. M. Gearhart and T. S. Gardner. 2,475,953, July 12.
- Stabilizing circuit. G. I. Dutton and R. E. Fountain. 2,481,986, Sept. 13.
- Stabilizing device, Frequency. G. G. Bruck. 2,468,029, Apr. 26.
- Stabilizing edible fatty oil. F. A. Lindsey, Jr., and W. T. Maxwell. 2,486,424, Nov. 1.
- Stabilizing evaporated milk. H. E. Otting. 2,490,599, Dec. 6.
- Stabilizing evaporated milk. H. E. Otting, L. H. Chrysler, and E. F. Almy. 2,473,493, June 14.
- Stabilizing means for weighing scales. L. S. Williams. 2,490,723, Dec. 6.
- Stabilizing soil. A. Holmes. 2,491,045, Dec. 13.
- Stabilizing system, Frequency. W. E. Bradley and H. E. Tompkins. 2,475,074, July 5.
- Stabilizing system, Frequency and speed. F. L. Moseley. 2,484,639, Oct. 11.
- Stable foam generating composition, Producing a. A. F. Ratzer. 2,481,875, Sept. 13.
- Stable high reactivity paraformaldehyde. R. L. Craven. 2,481,981, Sept. 13.
- Stack carrier. C. C. Griffin. 2,471,152, May 24.
- Stacker and loader, Hay. R. M. Ginder. 2,481,994, Sept. 13.
- Stacker, Case. E. B. Carter. 2,491,298, Dec. 13.
- Stacking apparatus, Metal sheet. J. M. Royal. 2,492,889, Dec. 27.
- Stacking device for folding machines. C. S. Malott, Jr. 2,488,674, Nov. 22.
- Stacking machine, Can. J. E. Socke. 2,470,795, May 24.
- Stacking machine, Lumber. B. M. Birkhead. 2,459,358, Jan. 18.
- Stacking mechanism. C. S. Malott, Jr. 2,488,675, Nov. 22.
- Stadium seat. L. J. Thompson. 2,491,784, Dec. 20.
- Stage lift pump. W. G. Hurley. 2,474,423, June 28.
- Stage or exhibiting device, Miniature rotatable. G. E. Young. 2,460,328, Feb. 1.
- Stage, Signal-amplifier. G. W. Wallin. 2,480,987, Sept. 6.
- Stair carpet holder. F. L. Davis. 2,483,813, Oct. 4.
- Staircases, Construction of. O. Safr. 2,471,352, May 24.
- Stair stand. R. W. Fieroh. 2,479,736, Aug. 23.
- Stake and latch therefor, Pivotal. W. G. White. 2,469,023, May 3.
- Stake for logging truck bunks. O. Nordberg and C. B. Snow. 2,475,753, July 12.
- Stake releasing means for vehicle log bunks. W. A. Berry. 2,469,760, May 10.
- Staked fastener. S. H. Watson, Jr. 2,486,769, Nov. 1.
- Staking tool. E. Burrell. 2,485,954, Oct. 25.
- Stalk cutter. E. B. Pollard and T. J. Borchardt. 2,479,510, Aug. 16.
- Stall cock. L. Dinesen. 2,468,618, Apr. 26.
- Stall, Sanitary shower. N. B. Wicker and J. B. Whelchel. 2,478,348, Aug. 9.
- Stall warning indicator. A. J. Fairbanks. 2,486,779, Nov. 1.
- Stamp issuing mechanism. F. J. Rouan and W. J. Hanson. 2,475,804, July 12.
- Stamp, Record. W. M. Adams. 2,491,068, Dec. 13.
- Stamping press. A. J. Gilbert and C. Mehlum. 2,468,620, Apr. 26.
- Stamping press. G. C. Steckley. 2,489,229, Nov. 22.
- Stand: See—
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| Adjustable reading stand. | Music stand. |
| Bag stand. | Portable food and drink stand. |
| Bench drill stand. | Reading stand. |
| Bicycle kick stand. | Revolving Christmas tree stand. |
| Bicycle stand. | Roadside stand. |
| Child's nursing stand. | Safety Christmas tree stand. |
| Christmas tree stand. | Sanitary tray stand. |
| Collapsible stand. | Saw filing stand. |
| Crossed leg serving stand. | Servo unit test stand. |
| Dispensing-display stand. | Smoker's stand. |
| Display stand. | Stair stand. |
| Doll display stand. | Traffic signal stand. |
| Egg separator stand. | Tree stand. |
| Electric steaming stand. | Universal attachment stand. |
| Engine work stand. | Utility stand. |
| Hat stand. | |
| Hoe stand. | |
| Knockdown stand. | |
| Motion-picture camera stand. | |
- Stand and brake for baby carriages, Combined parking. M. D. Welsh. 2,480,431, Aug. 30.
- Stand and dressing table, Infant's folding bath. C. T. De Puy and W. C. Baxter. 2,464,674, Mar. 15.
- Stand and lighter, Christmas. C. C. Goss. 2,487,235, Nov. 8.
- Stand for Christmas trees, Adjustable. P. K. Rorvik. 2,484,186, Oct. 11.
- Stand for high chairs. B. Felsher. 2,465,439, Mar. 29.
- Stand for steam locomotives, Exhaust. J. L. Ryan. 2,488,241, Nov. 15.
- Stand for stitching gloves, Clamp. B. Halote. 2,491,972, Dec. 20.
- Stand for supporting a wire wheel during truing operation. D. E. Bonner. 2,463,350, Mar. 1.
- Stand for tire changing, Wheel supporting. B. E. Moltz. 2,471,642, May 31.
- Stand or holder, Christmas tree. W. H. Looker. 2,461,748, Feb. 15.
- Stand with adjustable shunt, Magnetic. R. B. Roof. 2,492,238, Dec. 27.

- Standing wave indicator. W. T. Silver. 2,468,125, Apr. 26.
- Stannic acid from tin bearing material, Making. G. A. Rudolph. 2,486,800, Nov. 1.
- Staple dispenser. J. Rudberg and T. E. Keller. 2,489,159, Nov. 22.
- Staple driving device. G. M. G. Makin. 2,466,856, Apr. 12.
- Staple driving machine. G. A. Crosby and A. I. Ericsson. 2,482,156, Sept. 20.
- Staple driving machine. M. E. Wampler. 2,481,892, Sept. 13.
- Staple fibers in condition to produce top, Preparation of. J. R. Stewart. 2,490,929, Dec. 13.
- Staple for door locks. L. W. Young. 2,470,735, May 17.
- Staple puller. H. D. Andrews. 2,462,250, Feb. 22.
- Staple remover. L. von Cseh. 2,490,935, Dec. 13.
- Staple remover. L. von Cseh. 2,492,246, Dec. 27.
- Staple setting die. O. J. Huelster. 2,457,896, Jan. 4.
- Staple setting machine. T. P. Didato. 2,472,469, June 7.
- Stapler. G. D. Walker. 2,482,993, Sept. 27.
- Stapling apparatus. D. R. La Place. 2,473,253, June 14.
- Stapling apparatus. S. Leber and E. U. Zeller. 2,487,565-6, Nov. 8.
- Stapling device. A. L. Flamm. 2,462,623, Feb. 22.
- Stapling device. W. G. Pankonin. 2,469,984, May 10.
- Stapling device. W. A. Shocket. 2,486,500, Nov. 1.
- Stapling device for upholstering. D. Pierl. 2,491,277, Dec. 13.
- Stapling machine. J. Balton. 2,461,869, Feb. 15.
- Stapling machine. F. Franz. 2,459,313, Jan. 18.
- Stapling machine. W. Numbers. 2,468,715, Apr. 26.
- Stapling machine. H. Ruskin. 2,489,050, Nov. 22.
- Stapling machine. W. Schafroth. 2,469,054-5, May 3.
- Stapling machine. A. A. Vandervieren. 2,492,509, Dec. 27.
- Stapling machine. Anvil clinching. W. Schafroth. 2,470,727, May 17.
- Stapling machine having retractable clinching anvils. W. Schafroth. 2,488,940, Nov. 22.
- Star rubies and star sapphires, and producing same, Synthetic. J. N. Burdick and J. W. Glenn, Jr. 2,488,507, Nov. 15.
- Starring mixture for antimony smelting. C. Y. Wang. 2,484,976, Oct. 18.
- Starch and flour product, Acid treated. G. V. Caesar. 2,492,552, Dec. 27.
- Starch-caustic in apatite-ilmenite froth flotation. L. L. McMurray. 2,466,995, Apr. 12.
- Starch ester derivatives and making same. C. G. Caldwell. 2,461,139, Feb. 8.
- Starch esters. O. A. Moe. 2,462,210, Feb. 22.
- Starch paste, Preparing. J. P. Casey. 2,472,790, June 14.
- Starch powder, Caramel-flavored. A. R. Baldwin and W. Hach. 2,484,543, Oct. 11.
- Starch recovery process. R. L. Slotter and J. M. Tuomy. 2,475,261, July 5.
- Starch separation. G. J. Strezynski. 2,488,747, Nov. 22.
- Starch sirup, Manufacturing. C. E. Smith and E. K. Olson. 2,490,716, Dec. 6.
- Starch, Treatment of. R. W. Kerr. 2,468,207, Apr. 26.
- Starch with nitrogen dioxide, Oxidation of. W. O. Kenyon, and C. C. Unruh. 2,472,590, June 7.
- Starter apparatus, Engine. S. Gilbert. 2,474,734, June 28.
- Starter, Automatic recoiling pull. R. V. Catlin. 2,480,550, Aug. 30.
- Starter, Engine. J. H. Bolles, J. E. Antonidis and R. M. Critchfield. 2,492,550, Dec. 27.
- Starter, Fluorescent lamp. J. F. Hunter. 2,492,750, Dec. 27.
- Starter for aircraft, Wheel. C. R. Livermon. 2,467,140, Apr. 12.
- Starter for combustion gas turbines, Cartridge. A. H. Redding. 2,457,833, Jan. 4.
- Starter for electric motors, Automatic. B. Antipovitch. 2,471,185, May 24.
- Starter for fluorescent tubes, Automatic. F. A. Mauch and L. F. Johnson. 2,488,019, Nov. 15.
- Starter for large internal-combustion engines, Mechanical. L. T. Hoover. 2,463,178, Mar. 1.
- Starter gearing. S. Ysskin. 2,474,882, July 5.
- Starter generator. F. M. Jones. 2,475,842, July 12.
- Starter-generator for internal-combustion engines. G. Mauric. 2,487,460, Nov. 8.
- Starter mechanism. R. E., P. G., and D. A. Bennett. 2,475,173, July 5.
- Starter mechanism for motors. L. T. Kincannon. 2,460,420, Feb. 1.
- Starter mechanism, Spring clutch and engine. S. F. Gorske and C. P. Pepper. 2,486,149, Oct. 25.
- Starter on low-pressure fluorescent tubular lamps. F. Knobel. 2,479,372, Aug. 16.
- Starting a fine heavy media separation plant. E. C. Bitzer. 2,460,802, Feb. 8.
- Starting and control arrangement for electric discharge apparatus. H. C. Bertele. 2,465,421, Mar. 29.
- Starting apparatus, Engine. J. E. Antonidis. 2,482,534, Sept. 20.
- Starting apparatus, Engine. P. L. Schneider, H. J. Cromwell, and J. V. Nighbert. 2,481,248, Sept. 6.
- Starting apparatus, Engine. P. L. Schneider and D. W. Nighbert. 2,481,250, Sept. 6.
- Starting arrangement for swash plate Diesel engines, Air. F. S. Strite. 2,487,614, Nov. 8.
- Starting device for free piston engines. R. Pateras Pescara. 2,463,051, Mar. 1.
- Starting device for non-self-starting phonograph motors. H. C. Van Doorn. 2,478,346, Aug. 8.
- Starting mechanism for internal-combustion engines. R. R. Robinson and J. D. Johnson. 2,481,783, Sept. 13.
- Starting of synthetic yarn spinning. J. H. Blomquist. 2,474,885, July 5.
- Starting switch. E. L. Coe, Jr., and C. T. Freeling. 2,463,020, Mar. 1.
- Starting switch. F. W. Murphy. 2,478,305, Aug. 9.
- Starting unit, Model airplane. G. H. and T. L. McCormick. 2,475,750, July 12.
- Starting wrench. B. F. Randrup. 2,491,133, Dec. 13.
- Static elimination in manometers. C. F. Wallace. 2,462,820, Feb. 22.
- Station selector system. E. H. B. Bartelink. 2,478,361, Aug. 9.
- Stationary filter type suction cleaner. W. I. Gage. 2,482,166, Sept. 20.
- Stator construction. H. T. Walton and R. F. Woll. 2,488,458, Nov. 15.
- Stator construction for switches. G. O. Puermer. 2,470,951, May 24.
- Stator, Split. G. F. Behringer. 2,474,646, June 28.
- Stay, Collar. R. B. Thomas. 2,487,284, Nov. 8.
- Stay, Self-adjusting collar. A. C. Patch. 2,487,583, Nov. 8.
- Steading device for ladders. I. J. and C. A. Backlin. 2,467,800, Apr. 19.
- Steak mold. P. J. Pedro. 2,484,460, Oct. 11.
- Steam and hot water boiler. H. A. Girouard. 2,461,051, Feb. 8.
- Steam cylinder valve gear. E. J. Lifner. 2,489,911, Nov. 29.
- Steam distillation apparatus for removing solvent from vegetable oil with less break. H. R. Straight. 2,489,509, Nov. 29.
- Steam electric iron. E. P. Schreyer. 2,475,571, July 5.
- Steam generation. J. E. Ayres. 2,479,664, Aug. 23.
- Steam generator. H. P. Cooper. 2,478,569, Aug. 9.
- Steam generator. J. W. Wallin. 2,489,690, Nov. 29.
- Steam injection water heater. M. C. Moore. 2,483,426, Oct. 4.
- Steam iron. W. G. Green. 2,483,579, Oct. 4.
- Steam iron construction, Flash type. R. H. Edwards. 2,483,816, Oct. 4.
- Steam joint. R. Carpenter. 2,460,872, Feb. 8.
- Steam joint. R. Carpenter. 2,481,568, Sept. 13.
- Steam or hot water boiler. T. E. Lennon. 2,490,693, Dec. 6.
- Steam production in jacketed combustion chambers. R. H. Goddard. 2,482,262, Sept. 20.
- Steam separator. W. S. Patterson. 2,485,767, Oct. 25.
- Steam treating apparatus. R. L. Parker. 2,462,220, Feb. 22.
- Steamer, Cloth. G. W. O'Keeffe. Re. 23,177, Nov. 29.
- Steaming and pressing iron. W. G. Green and H. E. Galloway. 2,483,580, Oct. 4.
- Steaming appliance, Towel. M. L. Cordero. 2,485,140, Oct. 18.
- Steel, Alloy. A. G. Waggoner and W. B. Brooks. 2,474,766, June 28.
- Steel articles, Carburizing. P. M. Leininger. 2,492,803, Dec. 27.
- Steel, Blowing Bessemer. H. K. Work and R. R. Webster. 2,490,990, Dec. 13.
- Steel, Casehardening. P. M. Leininger. 2,492,804, Dec. 27.
- Steel concrete form. E. W. Garnier. 2,479,106, Aug. 16.
- Steel, Cutting thick. R. S. Babcock. 2,491,024, Dec. 13.
- Steel folding chair. C. T. Carlson. 2,467,963, Apr. 19.
- Steel for elevated temperature service. R. E. Zimmerman. 2,491,021, Dec. 13.
- Steel for plastic mold dies and articles made therefrom. P. Payson. 2,478,420, Aug. 9.
- Steel, Free cutting bessemer. F. T. Kent. 2,484,231, Oct. 11.
- Steel, Free machining. S. L. Case. 2,485,358, Oct. 18.
- Steel having high hot hardness, Austenitic. C. B. Post. 2,471,080, May 24.
- Steel in an arc electric furnace, Production of stainless. V. T. Malcolm. 2,465,383, Mar. 29.
- Steel, Manufacture of stainless clad. C. W. Weesner, P. M. Connor, and R. P. Hill. 2,464,163, Mar. 8.
- Steel or Thomas steel low in nitrogen, Producing acid Bessemer. W. Ekman and G. E. Hildebrand. 2,466,163, Apr. 6.
- Steel piston ring. D. W. Hamm. 2,484,288, Oct. 11.
- Steel polishing, Electrolytic stainless. I. C. Clingan. 2,461,035, Feb. 8.
- Steel polishing, Stainless. I. C. Clingan. 2,461,036, Feb. 8.
- Steel reinforcement to existing columns, Applying. J. D. Bolton. 2,480,180, Aug. 30.
- Steel, Steel wool. J. R. Thompson. 2,492,019, Dec. 20.
- Steel surfaces, Phosphating stainless. A. Zavarella. 2,476,345, July 19.

- Steel units for expansion joints, Welded. J. P. Zallea and J. J. Mank. 2,489,844, Nov. 29.
- Steel wool pad holder. S. Burwen. 2,472,403, June 7.
- Steerable tail wheel. C. Hollerith. 2,473,645, June 21.
- Steering and like gearing. J. Walters. 2,486,510, Nov. 1.
- Steering and propelling mechanism, Power. J. F. Johnson. 2,458,177, Jan. 4.
- Steering apparatus. E. A. Goodwyn. 2,477,369, July 26.
- Steering apparatus, Fluid controlled vehicle change-speed. W. O. Bechman and D. B. Baker. 2,470,209, May 17.
- Steering assembly, Adjustable tractor. A. C. Howard. 2,479,931, Aug. 23.
- Steering attachment for tractors, Automatic. L. W. Phillips. 2,465,660, Mar. 29.
- Steering control, Automatic. A. M. MacCallum. 2,471,637, May 31.
- Steering control, Electric. H. H. Hull. 2,470,820, May 24.
- Steering elements of small and medium-sized motor cultivators. J. M. Garnier. 2,468,659, Apr. 26.
- Steering gear. W. K. Creson. 2,475,222, July 5.
- Steering gear. M. de K. T. Kennedy and J. H. Booth. 2,488,917, Nov. 22.
- Steering handle means. E. Jordan. 2,488,199, Nov. 15.
- Steering linkage. A. W. Gair. 2,479,339, Aug. 16.
- Steering linkage. J. W. Leighton. 2,464,982, Mar. 22.
- Steering means for power-driven surfboards. M. R. Brown. 2,470,137, May 17.
- Steering means for tractors, Drive-correlating. L. K. Spitzer. 2,483,599, Oct. 4.
- Steering mechanism. A. W. Kogstrom. 2,488,979, Nov. 22.
- Steering mechanism for portable hoists or excavators. E. W. Barnhart. 2,465,508, Mar. 29.
- Steering mechanism for trolley coaches and the like, Automatic. O. A. Bartholomew. 2,468,158, Apr. 26.
- Steering mechanism for two-wheeled tractors or the like. H. C. French. 2,461,596, Feb. 15.
- Steering mechanism for wheeled land vehicles. R. W. Brown. 2,459,753, Jan. 18.
- Steering mechanism, Power. H. W. Price. 2,462,994, Mar. 1.
- Steering mechanism, Wheel. S. Krilanovich. 2,470,496, May 17.
- Steering system. A. R. Vogel. 2,468,314, Apr. 26.
- Steering wheel and braking mechanism, Combined. M. G. von Uffel. 2,470,273, May 17.
- Steering wheel cover. A. de Heras and D. G. Bowden. 2,491,803, Dec. 20.
- Stem, Air bag. J. C. Crowley. 2,482,469, Sept. 20.
- Stem structure for electron tubes. G. T. Howes. 2,491,735, Dec. 20.
- Stemless valve. D. C. Kirby, Jr. 2,482,780, Sept. 27.
- Stems for electric lamps, Making. E. Mickley. 2,482,119, Sept. 20.
- Stench warning device. J. W. G. Jones. 2,468,369, Apr. 26.
- Stencil-cutting machine. F. B. Brown. 2,468,540, Apr. 26.
- Stencilling with sectional screens. W. T. Warde. 2,469,671, May 10.
- Stepback mechanism for phonograph transcribers. T. H. Naken. 2,489,045, Nov. 22.
- Step-by-step mechanism. A. D. Hitt, Jr. 2,463,536, Mar. 8.
- Step for trailers, Foldable. A. W. McDonald. 2,458,618, Jan. 11.
- Step form, Concrete. F. A. Dahle. 2,470,690, May 17.
- Stepladder. A. Biery. 2,476,650, July 19.
- Stepladder, Convertible. R. R. Salisbury. 2,470,053, May 10.
- Stepladder, Extension. H. Ehnhuus. 2,481,581, Sept. 13.
- Step, Ladder safety. O. A. Linder and E. J. Klaus. 2,488,633, Nov. 22.
- Step, Retractable. P. C. Culver. 2,487,921, Nov. 15.
- Step wave generator. H. Lyons. 2,474,266, June 28.
- Step, Yielding vehicle. D. W. McCann. 2,487,660, Nov. 8.
- Steplessly variable speed-changing gear. E. Koller. 2,490,525, Dec. 6.
- Stereo-optical system. T. H. A. Cornalba. 2,492,270, Dec. 27.
- Stereophonic receiving system. K. de Boer and R. Vermeulen. 2,491,918, Dec. 20.
- Stereoscope. S. I. Rochwite. 2,484,591, Oct. 11.
- Stereoscopic X-ray photographs, Making. L. P. C. J. Dudley. 2,468,963, May 3.
- Stereoscopy. E. and M. Klein. 2,464,586, Mar. 15.
- Stereotype plate casting box. F. A. Foster. 2,461,151, Feb. 8.
- Sterile liquids, Handling. N. M. Nasset. 2,461,837, Feb. 15.
- Sterilization and purification of air. H. Corblin. 2,477,964, Aug. 2.
- Sterilizer, Bottle. S. S. Schnell. 2,467,337, Apr. 12.
- Sterilizer, Clipper. S. Waraner. 2,482,388, Sept. 20.
- Sterilizer construction. R. L. Jewell. 2,470,776, May 24.
- Sterilizer for barber shops and beauty parlors. M. Woehrel. 2,458,757, Jan. 11.
- Sterilizer for barbers' implements. A. Di Filippo. 2,462,475, Feb. 22.
- Sterilizer for barbers' strops, Sanitary. A. Di Filippo. 2,480,003, Aug. 23.
- Sterilizer for receptacles. H. Cavi. 2,477,238, July 26.
- Sterilizer for room atmospheres. F. N. P. Supplee. 2,465,762, Mar. 29.
- Sterilizer for toilet seats. S. Kronhaus. 2,465,460, Mar. 29.
- Sterilizer, Toothbrush. J. Federico. 2,474,621, June 28.
- Sterilizer, Water. F. D. Snell and R. L. Shapiro. 2,463,327, Mar. 1.
- Sterilizing cabinet. A. E. Larson and C. Cardoza. 2,488,130, Nov. 15.
- Sterilizing containers. O. R. Sell. 2,475,407, July 5.
- Sterilizing device. O. H. Brewster. 2,484,681, Oct. 11.
- Sterilizing flush type toilet bowls. J. D. Kirwan. 2,479,842, Aug. 25.
- Stern davit and bumper for boats. F. I. Andrade. 2,486,094, Oct. 25.
- Stick and making it, Cellophane. H. E. Davis. 2,488,272, Nov. 15.
- Stick as part of stick and ring type of game apparatus, Supporting. L. E. Nash. 2,479,956, Aug. 23.
- Stick holder. L. D. Overland. 2,461,844, Feb. 15.
- Stick, Illuminated ten yard marker. W. J. Fritts. 2,479,157, Aug. 16.
- Stiffener for shoes, Ccounter. C. J. Blake. 2,483,520, Oct. 4.
- Stiffening the toe portion of shoes. J. S. Kamborian. 2,467,388, Apr. 19.
- Stiffening uppers of shoes. J. J. Brophy. 2,492,413, Dec. 27.
- Stiffness and bending strength tester for thin sheet materials. R. D. De Waard, C. R. Stryker, and A. F. Blockman. 2,462,826, Feb. 22.
- Stilbene bis triazole azo dyestuffs. E. Keller and R. Zweldner. 2,462,405, Feb. 22.
- Stilbene triazole azo dyes. A. H. Knight. 2,467,262, Apr. 12.
- Stilboestrol with camphor, Reaction of. R. H. Marriott and W. W. Myddleton. 2,460,941, Feb. 8.
- Still. O. O. Oaks. 2,490,152, Dec. 6.
- Still and decanter for the recovery of products from alcoholic solutions of oleaginous materials. A. C. Beckel and P. A. Belter. 2,460,117, Jan. 25.
- Still, Solar heated vacuum. R. E. Snyder. 2,490,659, Dec. 6.
- Still, Vapor compression type. A. Latham, Jr. 2,469,122, May 3.
- Still with capillary tube oftakes for condensate, Micro-fractionation. C. W. Gould, Jr. 2,459,375, Jan. 18.
- Stilt. R. C. Petersen. 2,477,893, Aug. 2.
- Stilt, Adjustable. B. F. Taylor. 2,486,077, Oct. 25.
- Stippler. A. Power. 2,459,392, Jan. 18.
- Stirrer. C. B. MacDougall. 2,490,142, Dec. 6.
- Stirrer and brush holder, Combination paint. G. L. Hoffman. 2,492,042, Dec. 20.
- Stirrer for mixing liquids, Magnetically operated. W. L. Hendricks. 2,459,224, Jan. 18.
- Stirring device. W. W. Hunter and I. McNab. 2,469,649, May 10.
- Stirring device, Novel. B. P. Palinkas. 2,462,991, Mar. 1.
- Stitch-adjusting mechanism for sewing machines. G. B. Hirsch. 2,491,449, Dec. 13.
- Stitch separating machine. W. S. Robson. 2,469,477, May 10.
- Stitching machine, Box. N. A. Young and P. Brehm. 2,481,057, Sept. 6.
- Stitching machine, Corner. P. Brehm. 2,480,542, Aug. 30.
- Stitching machine, Shoe. C. N. Lestakis. 2,471,877, May 31.
- Stitching machine, Sole. C. Carlinio. 2,461,587, Feb. 15.
- Stitching mechanism, Multiple needle. V. J. Sigoda. 2,491,457, Dec. 13.
- Stock feeder. C. D. Olinger. 2,491,577, Dec. 20.
- Stock feeding mechanism. F. H. Bogart. 2,480,700, Aug. 30.
- Stock for firearms, Collapsible. J. C. Garand. 2,462,091, Feb. 22.
- Stock handling apparatus. A. B. Staggs. 2,477,213, July 26.
- Stock removing method and apparatus, Rotary. J. D. Kovick. 2,484,314, Oct. 11.
- Stock tank water heater. M. V. Schubert. 2,480,053, Aug. 23.
- Stocking. E. T. Floyd. 2,466,885, Apr. 12.
- Stocking hanger. W. J. Crosby. 2,467,011, Apr. 12.
- Stocking protector. J. M. Conley. 2,469,863, May 10.
- Stockings, and the like, Manufacture of. J. Garrie. 2,491,173, Dec. 13.
- Stockings and the like, Manufacture of. H. G. A. Leuliette. 2,485,004, Oct. 18.
- Stoker. J. S. Bennett and A. W. Thorson. 2,491,547, Dec. 20.
- Stoker. G. A. Kohout. 2,492,585, Dec. 27.
- Stoker. R. W. Suman. 2,457,849, Jan. 4.
- Stoker and air control, including differential pressure measuring means. F. D. Burns. 2,490,855, Dec. 13.
- Stoker apparatus, Spreader. D. J. Mosshart. 2,487,464, Nov. 8.
- Stoker comprising air feed and siftings removal means, Endless grate. E. H. Smith and O. A. Johnson. 2,488,689, Nov. 22.
- Stoker control, Hydraulic. A. E. Baak. 2,470,969, May 24.
- Stoker control system, including delayed air feed. P. B. Sagar. 2,483,847, Oct. 4.
- Stoker, Inside delivery scatter feed. J. B. Marsden. 2,483,215, Sept. 27.

- Stoker motor control responsive to space and combustion temperature conditions, Automatic. J. M. Wilson. 2,482,739, Sept. 20.
- Stoker timer. L. B. Wagner. 2,487,286, Nov. 8.
- Stomach irrigation tube. A. L. Kaslow. 2,492,384, Dec. 27.
- Stone cutting and polishing, Pallet. R. B. Mentzer. 2,458,913, Jan. 11.
- Stonecutting machine. L. L. Smith. 2,488,643, Nov. 22.
- Stool, Adjustable pedestal. H. M. Schaeff. 2,469,896, May 10.
- Stop, Adjustable shaft. J. E. Barth. 2,459,012, Jan. 11.
- Stop, Assembler slide bar. W. H. Detwiler. 2,490,680, Dec. 6.
- Stop, Automatic lathe. H. B. Waldron. 2,488,696, Nov. 22.
- Stop bath acidity indicator. H. D. Russell and J. I. Crabtree. 2,464,155, Mar. 8.
- Stop-control device, Automatic. L. H. Dickey. 2,465,210, Mar. 22.
- Stop device, Automatic. W. C. R. Jones. 2,467,977, Apr. 19.
- Stop device for anchor shanks. T. R. Gardiner. 2,480,188, Aug. 30.
- Stop device for knitting machines. J. H. Hoag. 2,483,541, Oct. 4.
- Stop device for machine tools. M. J. Karr. 2,490,307, Dec. 6.
- Stop for cotton harvesters, Automatic. J. D. Rust. 2,458,531, Jan. 11.
- Stop for gate valves, Adjustable. E. P. De Craene. 2,462,809, Feb. 22.
- Stop for helicopter blades. M. E. Gluhareff. 2,471,681, May 31.
- Stop for looms, Picker stick. W. J. Budzyna. 2,468,709, Apr. 26.
- Stop for metal-working machines, Rotatable. B. P. Toth. 2,465,558, Mar. 29.
- Stop for motion-picture projectors, Film controlled safety. W. H. Gabel. 2,458,774, Jan. 11.
- Stop for rotary members, Cushioned. L. A. Griffith. 2,488,122, Nov. 15.
- Stop for rotary members, Cushioned. E. Toth and M. F. Davis. 2,477,670, Aug. 2.
- Stop for slide fasteners, End. A. E. Carlile. 2,460,124, Jan. 25.
- Stop for solenoids, Shock absorbent. M. L. Jeffrey. 2,459,078, Jan. 11.
- Stop for the operating bar of door fasteners. G. E. Dath. 2,472,146, June 7.
- Stop, Lawn mower grass. W. F. Surgl. 2,489,059, Nov. 22.
- Stop, Low-pitch removable mechanical. G. W. Forman. 2,477,868, Aug. 2.
- Stop means for feed roll units. A. E. Winslow and E. Eppler. 2,472,966, June 14.
- Stop means for tuner elements, Preselected. O. E. Wagenknecht. 2,485,223, Oct. 18.
- Stop mechanism for knitting machines. H. C. Grant. 2,491,970, Dec. 20.
- Stop mechanism for rotating elements. G. Zindel, Jr. 2,488,792, Nov. 22.
- Stop mechanism for sorters. A. G. Seipos. 2,492,664, Dec. 27.
- Stop motion attachment for looms, Harness. J. R. Svancarek. 2,465,615, Mar. 29.
- Stop motion device, Automatic. G. Laube. 2,488,820, Nov. 22.
- Stop motion for knitting machines. M. Antonevich. 2,488,614, Nov. 22.
- Stop motion for knitting machines. C. S. Martin, L. H. Colton, and A. E. Cooke. 2,488,133, Nov. 15.
- Stop motion for knitting machines and the like, Automatic. G. E. Henning and C. E. Lewis. 2,459,426, Jan. 18.
- Stop motion for knitting machines, Electrical. C. W. Arrowood. 2,467,366, Apr. 19.
- Stop motion for knitting machines, Electrical. C. W. Arrowood. 2,468,611, Apr. 26.
- Stop motion for looms, Mechanical. G. F. Bahan. 2,489,849, Nov. 29.
- Stop motion for machines, Electric controller. E. Vossen. 2,490,936, Dec. 13.
- Stop motion for silver condensers. J. G. Kershaw and P. J. Malone. 2,477,185, July 26.
- Stop motion for textile machines, Electric. S. J. Thomas. 2,464,468, Mar. 15.
- Stop motion for weft replenishing looms. W. H. Wakefield. 2,467,871, Apr. 19.
- Stop motion, Harness. H. Laplante. 2,475,549, July 5.
- Stop motion, Harness actuated. H. J. Cherry. 2,465,575, Mar. 29.
- Stop motion in circular looms, Thread operated. V. M. J. Anet. Re. 23,114, May 24.
- Stop motion means for sewing machines. W. T. Maxant. 2,487,718, Nov. 8.
- Stop motion mechanism. M. Antonevich. 2,467,952, Apr. 19.
- Stop-motion mechanism for knitting machines, Wrap yarn controlled. C. W. Cox. 2,472,649, June 7.
- Stop toe for roller skates. G. V. Fowlkes. 2,485,147, Oct. 18.
- Stop, Window. R. J. Kasik. 2,472,216, June 7.
- Stopper. L. A. Payne. 2,479,862, Aug. 23.
- Stopper. A. Pokras. 2,475,048, July 5.
- Stopper for condenser tubes, Leak. S. Pennella. 2,484,904, Oct. 18.
- Stopper for insuring sterile needle punctures, Medical vial. F. Blank. 2,459,304, Jan. 18.
- Stopper or the like, Basin plug. G. A. Riley. 2,460,768, Feb. 1.
- Stopper, Pipe-line. W. E. Preston, A. L. Cappelen, and D. B. Miller. 2,476,907, July 19.
- Stopper, Pipe-line. M. D. Smith and G. F. Freer. 2,482,696, Sept. 20.
- Stopper, Self-cleaning. L. Frank. 2,479,485, Aug. 16.
- Stopper, Snaptite. H. C. Carpenter. 2,487,635, Nov. 8.
- Stopper, Sprinkler. S. Siegel. 2,466,128, Apr. 5.
- Stopping device. F. R. Yeo. 2,475,732, July 12.
- Stopping holes in hull bottoms below the water line. C. S. Harper. 2,476,601, July 19.
- Stops for separable fastener stringers, Forming cast-on-end. L. H. Morin. 2,464,050, Mar. 8.
- Stops for spirally grooved cylinders, Printing plate. J. E. Meyer. 2,465,252, Mar. 22.
- Stope Jack. T. J. Niceley. 2,462,662, Feb. 22.
- Storage and display box. T. B. Epps. 2,457,812, Jan. 4.
- Storage and protective system, Fluid. C. D. Beaumont. 2,491,474, Dec. 20.
- Storage attachment for automobile bodies. P. Llm. 2,470,314, May 17.
- Storage battery filler support. V. H. Christen. 2,475,543, July 5.
- Storage battery filling device support. V. H. Christen. 2,471,094, May 24.
- Storage battery holder. C. H. McConnell. 2,461,752, Feb. 15.
- Storage battery plate connection. W. Randall. 2,480,964, Sept. 6.
- Storage battery plates, Curing. A. L. Hindall. 2,481,218, Sept. 6.
- Storage battery separator. L. S. Gerber. 2,478,186, Aug. 9.
- Storage battery with notched partition. G. C. Appel. 2,481,558, Sept. 13.
- Storage batting plate and making the same. M. F. Chubb and O. P. Hense. 2,479,603, Aug. 23.
- Storage box. R. F. Davis. 2,460,681, Feb. 1.
- Storage box. R. F. Davis. 2,483,629, Oct. 4.
- Storage device, Electrical. J. C. Cook. 2,461,144, Feb. 8.
- Storage device, Oleopneumatic. J. Mercier. 2,484,418, Oct. 11.
- Storage of information, Electrical. D. S. Ridler. 2,489,325, Nov. 29.
- Storage of readily damaged material. R. I. N. Greaves. 2,477,926, Aug. 2.
- Storage system, Telegraph. G. A. Locke. 2,486,302, Oct. 25.
- Storage tube. R. L. Snyder, Jr. 2,470,875, May 24.
- Storage type cathode-ray tube. R. L. Snyder, Jr. 2,464,420, Mar. 15.
- Storage unit apparatus, Refrigerated food. M. F. Weber. 2,478,145, Aug. 2.
- Storage unit for use with refrigerated cabinets, Supplemental. J. J. Wisler. 2,465,142, Mar. 22.
- Store front mounting. E. F. Toney. 2,475,682, July 12.
- Storing and dispensing system, Beverage. W. R. Kromer. 2,485,610, Oct. 25.
- Storing and vaporizing system, liquefied gases. G. R. Benz. 2,489,514, Nov. 29.
- Storm window. F. C. Russell and B. W. Bartlett. 2,463,432, Mar. 1.
- Storm window and screen construction and attachment means for window casings. V. E. Anderson. 2,478,222, Aug. 9.
- Stove and air feeding means therefor, Heating. J. A. Doan. 2,479,479, Aug. 16.
- Stove and burner assembly therefor, Utility. B. W. Tullis. 2,491,430, Dec. 13.
- Stove, Automatic. A. G. Thomas. 2,470,533, May 17.
- Stove, Collapsible camp. J. H. Etches. 2,474,043, June 21.
- Stove, Combined cooking and air heating. H. D. Dufault. 2,472,198, June 7.
- Stove construction. G. W. Kamin. 2,486,564, Nov. 1.
- Stove, Downdraft. L. Lockwood. 2,461,068, Feb. 8.
- Stove, Electric. R. and H. L. Borza. 2,488,264, Nov. 15.
- Stove for burning liquid fuel, Portable. C. Bramming. 2,465,572, Mar. 29.
- Stove for burning solidified normally liquid hydrocarbon fuel. A. J. Laliberte. 2,464,817, Mar. 22.
- Stove, Hot-blast furnace. J. E. MacDonald. 2,478,293, Aug. 9.
- Stove, including a thermostatically operated damper, Hot-air. C. A. Baldwin. 2,467,577, Apr. 19.
- Stove or range, Cooking. J. M. Cook and S. C. Salter. 2,485,359, Oct. 18.
- Stovepipe and chimney coupling. S. R. Helt. 2,464,084, Mar. 8.
- Stove, Portable. B. W. Tullis. 2,469,185, May 3.
- Stove, Portable camping. E. C. Flinner. 2,459,515, Jan. 18.
- Stove, Portable electric. P. Redler, C. Davies, and S. Unger. 2,466,781, Apr. 12.
- Stove, Portable heat-adjusting charcoal. D. T. Cast. 2,473,569, June 21.

- Stove, Portable outdoor cooking. A. V. Walker. 2,473,458, June 14.
- Stove, Pressureless gasoline. E. D. Quinnell and C. L. Eppley. 2,482,797, Sept. 27.
- Stove rack. G. A. McGee. 2,469,776, May 10.
- Stove, Sheet metal heating. J. M. Higman. 2,488,014, Nov. 15.
- Stove with an adjustable fire pot, Outdoor. A. T. Smith. 2,487,605, Nov. 8.
- Stove with imperforate fire pot. J. Harrington. 2,466,170, Apr. 5.
- Straddle link connector. C. J. Forbes. 2,458,935, Jan. 11.
- Straddle truck load receptacle. R. B. Savage. 2,462,907, Mar. 1.
- Straight beam adjustable jaw quick release clamp. R. R. West. 2,487,997, Nov. 15.
- Straight edge device for determining angles between cylinders and the like. W. K. Moore. 2,482,360, Sept. 20.
- Straightener and cutter, Wire. J. H. Moore. 2,489,921, Nov. 29.
- Straightening and quenching apparatus with contracting dies and auxiliary loading platform. J. Gogan. 2,467,665, Apr. 19.
- Straightening apparatus. E. E. Brayshaw. 2,460,164, Jan. 25.
- Straightening machine. H. L. Kehl. 2,487,141, Nov. 8.
- Straightening machine, Can flange. H. B. Peterson. 2,490,832, Dec. 13.
- Strain device with temperature compensator, Electric. A. V. De Forest. 2,458,354, Jan. 4.
- Strain responsive device. F. W. Godsey, Jr. 2,467,738, Apr. 19.
- Strainer. J. H. Chandler. 2,464,921, Mar. 22.
- Strainer. J. L. Cooney. 2,466,304, Apr. 5.
- Strainer. A. J. Granberg. 2,471,951, May 31.
- Strainer. J. Ziemanin, Sr. 2,466,347, Apr. 5.
- Strainer. M. J. Zimmer. 2,460,614, Feb. 1.
- Strainer, Adjustable. M. Serkes. 2,463,209, Mar. 1.
- Strainer, Adjustable. C. M. Tursky. 2,458,118, Jan. 4.
- Strainer and magnetic separator, Combined. L. A. Kisch. 2,490,635, Dec. 6.
- Strainer, Filter. N. L. Cooperider and W. O. Damme. 2,475,561, July 5.
- Strainer for pump jacks. E. P. Grime. 2,457,888, Jan. 4.
- Strainer, Milk. D. O. Brant. 2,483,000, Sept. 27.
- Strainer, Milk. E. Zika. 2,465,623, Mar. 29.
- Strainer, Pipe. J. C. Hobbs. 2,489,292, Nov. 29.
- Strainer, Pipe-line. O. N. Mitchell. 2,467,143, Apr. 12.
- Strainer, Sink. P. F. Danielson. 2,478,374, Aug. 9.
- Straining device. L. L. Lange. 2,459,660, Jan. 18.
- Strap and tongue buckle for use therewith, Adjustable. A. Bliss. 2,467,006, Apr. 12.
- Strap, Blouse shoulder. H. F. Eisenberg. 2,476,712, July 19.
- Strap connection. B. C. Roehrl. 2,466,742, Apr. 12.
- Strap cutting tool. N. T. Bissett and N. C. Moore. 2,459,864, Jan. 25.
- Strap fastener. C. T. Collett. 2,463,358, Mar. 1.
- Strap for surgical garments and the like, Adjustment. J. R. Dawson. 2,476,029, July 12.
- Strap-on heater. G. B. Tebo. 2,485,852, Oct. 25.
- Strap, Wrist watch. F. R. McAloon. 2,461,693, Feb. 15.
- Strap, Wrist watch. B. C. Roehrl. 2,466,741, Apr. 12.
- Strap, Wrist watch. L. A. Truckenmiller. 2,469,532, May 10.
- Stratosphere chamber. A. H. Heineman. 2,482,753, Sept. 27.
- Stratospheric reproducing cabinet. B. Vingoe. 2,477,021, July 26.
- Streamcurrent apparatus for handling materials. G. A. Auer. 2,464,478, Mar. 15.
- Street lighting luminaire and refractor therefor. K. Franck. 2,486,558, Nov. 1.
- Streptomycin composition of reduced toxicity. F. J. Wolf, and M. Tishler. 2,472,453, June 7.
- Streptomycin purification. G. P. Mueller. 2,485,106, Oct. 18.
- Stress analysis by X-ray diffraction. F. G. Firth. 2,462,374, Feb. 22.
- Stress relieving method. C. A. Maxwell and J. P. Craven. 2,464,248, Mar. 15.
- Stretch-bending machine. P. F. Maize. 2,476,556, July 19.
- Stretch bending method and device, including workpiece attaching means transversely offset relative to neutral plane of workpieces. R. Bentley. 2,464,169, Mar. 8.
- Stretcher. L. C. Cooper. 2,467,522, Apr. 19.
- Stretcher and splicer, Wire. B. J. Shields. 2,475,525, July 5.
- Stretcher, Clothes. W. E. Caldwell. 2,485,257, Oct. 18.
- Stretcher, Curtain. J. J. Dvorak. 2,471,943, May 31.
- Stretcher device for shirt collars and the like. C. U. Johnson. 2,481,016, Sept. 6.
- Stretcher, Fur. H. T. Leighton. 2,485,242, Oct. 18.
- Stretcher, Leg and sleeve. S. W. Henderson. 2,461,381, Feb. 8.
- Stretcher, Rug. G. L. Huff. 2,482,186, Sept. 20.
- Stretcher, Shoe. E. Galterio. 2,488,720, Nov. 22.
- Stretcher, Sleeve. L. W. Butcher. 2,488,617, Nov. 22.
- Stretcher, Stocking. B. Corwin. 2,489,010, Nov. 22.
- Stretcher, Wire. E. G. Gelsendorff. 2,469,766, May 10.
- Stretcher, Wire. W. W. Parks. 2,484,957, Oct. 18.
- Stretching and drying device. J. R. Petre. 2,487,175, Nov. 8.
- Stretching and laminating thermoplastic sheet material with other sheet material. W. S. Cloud. 2,490,946, Dec. 13.
- Stretching apparatus. V. H. Hasselquist. 2,491,041, Dec. 13.
- Stretching cellulose acetate filaments. P. F. C. Sowter. 2,473,615, June 21.
- Stretching corundum crystal. E. L. McCandless and D. M. Yenni. 2,485,978, Oct. 25.
- Stretching device for the heel wire of ski ties. A. E. P. Kjellström. 2,472,906, June 14.
- Stretching machine for flattening metal strips. J. B. Picton. 2,464,888, Mar. 22.
- Stretching machine for flattening metal strips. J. B. Picton. 2,477,083, July 26.
- Stretching machine jaws, Making. E. W. Cooper. 2,482,841, Sept. 27.
- Stretching or pulling apparatus. M. E. Singleton. 2,484,190, Oct. 11.
- Striker mechanism for musical instruments. J. T. Kunz. 2,463,543, Mar. 8.
- Striker system for chimes, Electric. M. F. Miller. 2,470,827, May 24.
- Striking the welding arc in automatic electric-arc welding machines. R. J. Schmerber. 2,472,923, June 14.
- String closure affixing machine. S. Kilinski. 2,461,327, Feb. 8.
- String of sound producing devices, Portable. E. J. Nicorvo. 2,470,047, May 10.
- String-up device. E. N. Lichtenberg. 2,491,569, Dec. 20.
- Stringer, Fish. K. L. Orton. 2,470,941, May 24.
- Stringer. Separable fastener. L. H. Morin. 2,479,696, Aug. 23.
- Stringing machine, Bag. E. E. West. 2,486,350, Oct. 25.
- Strip and guide for slidable closures, Sealing. R. A. and R. R. Eastman. 2,478,470, Aug. 9.
- Strip chart holder. F. J. Walters. 2,482,818, Sept. 27.
- Strip coiler. W. M. McConnell and F. B. Abramsen. 2,483,143-4, Sept. 27.
- Strip elongation indicator. K. W. Harris. 2,485,285, Oct. 18.
- Strip feed mechanism, Intermittent. A. S. Howell. 2,469,503, May 10.
- Strip film developing tank. V. L. Hubbard. 2,465,877, Mar. 29.
- Strip for display cases, Dividing. J. R. and L. L. Vetesk. 2,479,282, Aug. 16.
- Strip for electric discharge devices, Starting. J. Force. 2,491,854, Dec. 20.
- Strip for insoles, Ribbed. F. E. Bertrand and A. S. Clark. 2,458,500, Jan. 11.
- Strip for trouser cuffs, Protecting. W. G. Wayworth. 2,483,952, Oct. 4.
- Strip guide, Fluid operated. L. Iversen. 2,484,347, Oct. 11.
- Strip inserting hand tool. C. A. Maudlin. 2,486,666, Nov. 1.
- Strip propellant for rocket projectiles. A. Africano. 2,488,154, Nov. 15.
- Strip, Safety. W. H. Keier. 2,482,982, Sept. 27.
- Strip serving machine. T. H. Krueger. 2,466,715, Apr. 12.
- Stripper. J. D. Guelph. 2,485,284, Oct. 18.
- Stripper, Nail. C. F. Pennington. 2,480,764, Aug. 30.
- Stripper. Oil saver and sucker rod. W. F. Kalhoefer. 2,480,371, Aug. 30.
- Stripper, Wire insulation. J. E. Woolman. 2,477,678, Aug. 2.
- Stripping and knockout mechanism for molding dies. W. G. Harvey. 2,483,093-4, Sept. 27.
- Stripping machine, Wire. N. R. Schwartz. 2,475,056, July 5.
- Stripping of emulsion polymerization latices. W. W. Waterman. 2,462,013, Feb. 15.
- Stripping of spent catalyst in hydrocarbon conversion. R. E. Hall, and M. J. Wilcox. 2,471,064, May 24.
- Stripping of vinyl resin coated wires with ketone dye solutions. R. J. Brown. 2,474,088, June 21.
- Stroboscope. H. E. Edgerton. 2,478,903, Aug. 16.
- Stroboscope. J. H. Townshend. 2,491,342, Dec. 13.
- Stroboscope having pistol-like frame and indicator lock, Portable. F. G. Schweisthal. 2,468,690, Apr. 26.
- Stroboscope, Ultraviolet. J. De Ment. 2,467,661, Apr. 19.
- Stroke-adjusting mechanism. W. G. Peters. 2,490,881, Dec. 13.
- Stroke control for cylinder and piston mechanisms, Magnetic. R. H. Thompson and H. Harvey. 2,462,571, Feb. 22.
- Stroke varying mechanism for swash plate engines. S. B. Eckert. 2,465,638, Mar. 29.
- Stroller, Doll. A. A. Wasserman. 2,474,388, June 28.
- Stroller, Folding. J. G. Hardman. 2,476,727, July 19.
- Stroller, Folding. E. R. Taylor. 2,478,512, Aug. 9.
- Stroller-type vehicle. A. M. Boudreau. 2,486,917, Nov. 1.
- Stroller-walker, Baby. R. Moster. 2,471,004, May 24.
- Strop, Razor blade. E. J. Gray. 2,470,436, May 17.
- Structural element for high temperature service use. A. T. Cape. 2,458,502, Jan. 11.
- Structural element, Metallic. J. C. Timm. 2,473,976, June 21.

- Structural joint. J. E. Rutledge. 2,473,728, June 21.
 Structural material of compressed resin impregnated paper sheets. G. H. Chidester, P. K. Baird, G. E. Mackin, F. A. Simmonds, C. O. Seborg, M. W. Bray, and J. N. McGovern. 2,482,142, Sept. 20.
 Structural member. W. S. Edge. 2,465,074, Mar. 22.
 Structural member. F. Kautz. Re. 23,136, July 19.
 Structural member. M. Mannist. 2,475,103, July 5.
 Structural shapes. Manufacture of. A. B. Cummins. 2,459,685, Jan. 18.
 Structural unit. Panel. G. M. Rapp. 2,460,309, Feb. 1.
 Structure and manner of producing wheel rims. F. W. Schwinn. 2,477,833, Aug. 2.
 Structure, Bearing. G. E. Karl. 2,474,980, July 5.
 Structure, Building. M. C. Knabe. 2,458,606, Jan. 11.
 Structure, Clothesline supporting. P. and H. G. Davis. 2,487,527, Nov. 8.
 Structure drill. T. Johnson. 2,485,098, Oct. 18.
 Structure embodying shear connectors, Composite. C. P. Cuenl. 2,479,476, Aug. 16.
 Structure for aircraft surfaces, Hinge. J. M. Lang. 2,461,745, Feb. 15.
 Structure for beer cases and the like, Separator. H. A. Ringel. 2,466,275, Apr. 5.
 Structure for drawers, Guiding and supporting. C. B. Lundstrom. 2,468,990, May 3.
 Structure for electric discharge devices, Electrode. R. J. Bondley. 2,460,120, Jan. 25.
 Structure for electron discharge devices, Base. A. Besson. Martt. 2,491,868, Dec. 20.
 Structure for fish lures, Leg. I. E. Boekennoogen, H. E. 2,475,369, July 5.
 Structure for electron discharge devices, Filament. J. J. Glauber. 2,462,858, Mar. 1.
 Structure for electric discharge lamps, Supporting. E. C. Peterson, and A. Sach-Rowitz. 2,491,846, Dec. 20.
 Structure for fluorescent dial panel and making the same. J. M. Gordon. 2,459,694, Jan. 18.
 Structure for gun barrels, Choke. L. H. Wright. 2,476,438, July 19.
 Structure for ice fishing, Collapsible. C. Scheibner. 2,473,076, June 14.
 Structure for magnetostriction transducers. C. H. Kean. 2,490,273, Dec. 6.
 Structure for motorcycles or the like, Fork. H. A. Hutchins. 2,477,748, Aug. 2.
 Structure for motor vehicles, Handle bar. H. I. Hazzard. 2,492,283, Dec. 27.
 Structure for protecting, screening, shading and similarly nurturing plants and the like. D. F. Kennedy. 2,465,593, Mar. 29.
 Structure for railway draft gears, Shock absorbing. G. R. Munro and W. C. Dilg. 2,469,126, May 3.
 Structure for railway vehicles, Journal box. A. K. Strandberg. 2,492,717, Dec. 27.
 Structure for removable attachment of divider and caliper points to measuring jaws of measuring instruments. J. J. Krisanda. 2,467,263, Apr. 12.
 Structure for storage batteries, Filling and venting. L. E. Lighton. 2,472,852, June 14.
 Structure for tires, Lift. H. C. Schildmeier. 2,490,233, Dec. 6.
 Structure for truck or trailer bodies or the like, Frame. N. E. Cole. 2,470,919, May 24.
 Structure for use in aircraft construction, Composite. H. B. Gibbons and E. G. Zoldy. 2,479,342, Aug. 16.
 Structure of contact masses. O. Reitlinger. 2,488,560, Nov. 22.
 Structure with triangular shear connector, Composite. C. P. Cuenl. 2,479,475, Aug. 16.
 Strut construction for drafting machines. J. A. Hislop. 2,481,666, Sept. 13.
 Strut, Extensible. R. G. Bode. 2,473,632, June 21.
 Stubble cutter. C. H. Sprick and M. J. Renquist. 2,489,204, Nov. 22.
 Stud for cowl fasteners. G. W. Nigg and G. C. Sullivan. 2,486,670, Nov. 1.
 Stud driver. B. A. McKean. 2,492,307, Dec. 27.
 Stud for welding. T. Nelson. 2,477,765, Aug. 2.
 Stud retainer. E. C. Crowther. 2,492,114, Dec. 20.
 Stud retainer. C. A. Rees. 2,492,113, Dec. 20.
 Stud, Welding. W. B. Palmer. 2,459,957, Jan. 25.
 Stuffing box. R. R. Freund. 2,486,939, Nov. 1.
 Stuffing box support. A. W. Meynig. 2,486,962, Nov. 1.
 Style of outer garments, Slipover. W. A. Riggs. 2,485,511, Oct. 18.
 Styphnic acid, Decomposition of. R. G. Aitken and H. R. L. Streight. 2,487,627, Nov. 8.
 Stylus. G. Halpern. 2,474,312, June 28.
 Stylus construction and method. F. Franz. 2,464,032, Mar. 8.
 Stylus for graphic recording. F. Krahulec. 2,484,298, Oct. 11.
 Styrene and its derivatives, Making. W. M. Quattlebaum, Jr., and W. J. Toussaint. 2,482,208, Sept. 20.
 Styrene and substituted styrenes, Making. W. M. Quattlebaum, Jr. 2,482,207, Sept. 20.
 Styrene, Azeotropic distillation of. K. H. Engel. 2,467,197, Apr. 12.
 Styrene by azeotropic distillation, Isolation of. K. H. Engel. 2,481,734, Sept. 13.
 Styrene by azeotropic distillation, Recovery of. R. B. Greene. 2,480,919, Sept. 6.
 Styrene emulsion polymerization process. H. F. Park, C. H. Basdekis, and R. L. Dunlap, Jr. 2,488,502-3, Nov. 15.
 Styrene from phenylacetylene, Azeotropic distillation of. R. B. Greene. 2,467,198, Apr. 12.
 Styrene-linseed oil interpolymers, Modified. A. E. Young and H. M. Hoogsteen. 2,468,793, May 3.
 Submarine attacking device. H. R. Dyson. 2,477,050, July 26.
 Submarine cable. J. N. Dean and E. W. Smith. 2,465,069, Mar. 22.
 Submarine radiation apparatus and photographic method. T. F. Schwartz and A. L. Giorgi. 2,478,842, Aug. 9.
 Submersible motor. J. M. Gaylord. 2,492,141, Dec. 27.
 Submersible pump motor mounting. A. J. Nelson. 2,466,324, Apr. 5.
 Subscriber ringing circuit. H. H. Schroeppel. 2,466,484, Apr. 5.
 Substance extracted from growth medium of *Rhizopus nigricans* and obtaining the same. J. C. Keresztesy and E. Rickes. 2,478,404, Aug. 9.
 Substantive triazineazo dyes. E. Keller and R. Zweidler. 2,459,435, Jan. 18.
 Substituted ammonium thiocyanates, Preparing. W. H. Hill. 2,483,415, Oct. 4.
 Substituted ethylenes and making same. J. Meyer and F. Ackermann. 2,483,392, Oct. 4.
 Substituted lower aliphatic acids, Preparation of. H. J. Hagemeyer, Jr. 2,484,497, Oct. 11.
 Substituted propionic acids and preparing the same. O. H. Johnson. 2,481,597, Sept. 13.
 Substituted 3-carbamyl-2-piperidones and method for preparing them. G. H. Morey. 2,474,589, June 28.
 Substituted 2-amino-thiazoles, Producing. L. C. King and R. M. Dodson. 2,468,401, Apr. 26.
 Substitution products of 2:5-dihydrofuran, Preparation of. D. G. Jones. 2,475,097, July 5.
 Subtilin, Extraction and purification of. K. P. Dimick, G. Alderton, J. C. Lewis, H. D. Lightbody, and H. L. Fevold. 2,459,139, Jan. 18.
 Suction apparatus. C. W. Stiehl. 2,470,665, May 17.
 Suction apparatus actuated by air pressure. W. H. Gilliland. 2,475,832, July 12.
 Suction bottom for wrapper carriers. H. H. Wheeler. 2,467,172, Apr. 12.
 Suction box cover. G. R. Wadleigh. 2,487,202, Nov. 8.
 Suction cleaner. D. G. Smellie. 2,463,435, Mar. 1.
 Suction cleaner. E. L. Snyder. 2,458,309, Jan. 4.
 Suction throttling valve. W. D. Teague, Jr. 2,488,648-9, Nov. 22.
 Suede leather with synthetic polymers, Treatment of. D. T. Kirby and J. T. Chain. 2,481,933, Sept. 13.
 Sugar-bearing solutions, Treatment of. G. F. Mills. 2,481,768, Sept. 13.
 Sugar Cntrialcohols, Production of. J. C. Sowden and H. O. L. Fischer. 2,480,785, Aug. 30.
 Sugar cane juice, Clarification of. G. T. Warren and R. A. Jordan. 2,470,076, May 10.
 Sugar-cane wax production. E. A. Wilder. 2,490,722, Dec. 6.
 Sugar cane wax, Production of. W. F. Goepfert. 2,476,974, July 26.
 Sugar precursors, Recovery of. R. M. Boehm and H. E. Hall. 2,465,347, Mar. 29.
 Sugar, Production of invert. W. A. La Lande, Jr. 2,461,163, Feb. 8.
 Sugar solution ion exchange. E. A. Haagensen. 2,482,765, Sept. 27.
 Suit, Bathing. S. Prince. 2,463,309, Mar. 1.
 Suit, Cocoon sun sweat. C. J. Kim. 2,478,765, Aug. 9.
 Suit, Diver's. C. A. Ostby, Jr. 2,478,126, Aug. 2.
 Suitcase, Variable volume. G. J. Hilbert. 2,475,961, July 12.
 Suitcase, Wheeled. B. H. Book. 2,478,563, Aug. 9.
 Suitcases, Metal. R. B. Wemyss. 2,458,233, Jan. 4.
 Sulfa drug compositions. M. R. Thompson. 2,460,437, Feb. 1.
 Sulfa drugs and their production. P. Goedrich. 2,481,105, Sept. 6.
 Sulfanilamidoindazoles and production. C. E. Kwartler. 2,478,048, Aug. 2.
 Sulfanilylsulfanilamides, Substituted. M. L. Moore. 2,476,945, July 19.
 Sulfate turpentine, Refining. G. H. McGregor. 2,459,570, Jan. 18.
 Sulfathiazoles, Preparation of. M. N. Dvornikoff. 2,482,085, Sept. 20.
 Sulfonaryl amines, Secondary. R. C. Morris and A. V. Snider. 2,461,341, Feb. 8.
 Sulfonaryl carbamates. R. C. Morris and R. M. Horowitz. 2,469,838, May 10.
 Sulfonaryl ethers and ether-esters. S. A. Ballard and R. C. Morris. 2,492,927, Dec. 27.
 Sulfonamide compositions, Therapeutic. C. E. Folsome. 2,491,490, Dec. 20.
 Sulfonamides, Production of. S. Pickholz and H. G. Dickenson. 2,471,772, May 31.
 Sulfonated aryl-thio-ethers of phthalocyanines and their manufacture. E. Gutzwiller. 2,465,089, Mar. 22.
 Sulfonated copolymer of styrene and maleic anhydride. M. T. Goebel. 2,475,886, July 12.

- Sulfonated resin ion exchange agents in stable granular form, Production of. W. C. Bauman. 2,466,675, Apr. 12.
- Sulfonates and making same, Organic. J. E. Mitchell. 2,480,592, Aug. 30.
- Sulfonic acid amides and preparing the same, Derivatives of. H. Fox, P. Diedrich, and M. Dohrn. 2,476,655, July 19.
- Sulfonic acid-catalyzed oil-soluble phenol-aldehyde resins. G. A. Senior, Jr. 2,479,643, Aug. 23.
- Sulfonic acid manufacture. G. R. Gilbert. 2,488,721, Nov. 22.
- Sulfonic acids from spent sulfonating agent, Recovery of. J. M. Mavity. 2,470,896, May 24.
- Sulfonic anhydrides, Manufacture of. W. A. Proell. 2,489,316, Nov. 29.
- Sulfonic compounds from sulfuric acid sludge, Recovery of. D. W. Bransky and N. E. Lemmon. 2,479,202, Aug. 16.
- Sulfonium methosulfates. J. N. Hansen. 2,460,223, Jan. 25.
- Sulfonyl halides, Preparation of. W. A. Proell. 2,489,317, Nov. 29.
- Sulfoxide and sulfone compounds. M. E. Synerholm. 2,486,579, Nov. 1.
- Sulfur and the products thereof, Preparing solutions of colloidal. H. Brunel. 2,458,764, Jan. 11.
- Sulfur compounds, Manufacture of. W. A. Schulze and W. W. Crouch. 2,469,132, May 3.
- Sulfur compounds, Oxidizing acidic. G. G. Bernard. 2,488,000, Nov. 15.
- Sulfur-containing composition and preparing same, Stabilized organic. J. W. Gaynor. 2,477,244, July 26.
- Sulfur-containing hydrocarbon mixtures, Treatment of. M. M. Holm, L. F. Brooke, and B. E. Berlenbach. 2,479,238, Aug. 16.
- Sulfur containing hydrocarbons, Treatment of. B. N. Hill. 2,471,103, May 24.
- Sulfur-containing polyamides. A. K. Schneider. 2,462,430, Feb. 22.
- Sulfur dioxide solvent process for making olefin nitrosochlorides, Liquid. R. K. Allison. 2,485,180, Oct. 18.
- Sulfur dioxide treatment of Irish moss residue. M. P. Hess and A. E. Siehrs. 2,462,863, Mar. 1.
- Sulfur hexafluoride, Purification of crude. J. F. Gall. 2,462,379, Feb. 22.
- Sulfur, Production of insoluble. A. Schallis. 2,460,365, Feb. 1.
- Sulfur, Purification of native. F. M. Yeiser. 2,459,764, Jan. 18.
- Sulfur removal from benzol. A. R. Bayer and E. J. Murphy. 2,488,895, Nov. 22.
- Sulfur, Removal of. C. A. Stratton. 2,478,603, Aug. 9.
- Sulfur-set, furfuryl alcohol resins. J. J. Clancy. 2,465,710, Mar. 29.
- Sulfur, Stabilization of insoluble. R. H. Walcott and A. Schallis. 2,462,146, Feb. 22.
- Sulfur trioxide, Production of. L. C. Strang. 2,466,336, Apr. 5.
- Sulfur trioxide, Stabilization of. H. G. McCann. 2,458,718, Jan. 11.
- Sulfuric acid chamber. E. A. Werner. 2,481,634, Sept. 13.
- Sulfuric acid concentration. C. M. Beamer and M. C. Fuqua. 2,478,680, Aug. 9.
- Sulfurization of fatty oils. J. S. Fawcett. 2,492,562, Dec. 27.
- Sulfurization of reaction product of phosphorous pentasulfide and unsaturated acyclic ketone. F. P. Otto and R. E. Meyer. 2,483,736, Oct. 4.
- Sulfurized phenolic tanning agents and their manufacture. V. Kartaschoff. 2,461,901, Feb. 15.
- Sundae, Packaged. F. T. Moser. 2,486,194, Oct. 25.
- Sundial. J. E. Progneau. 2,488,605, Nov. 22.
- Sundial, Portable. B. E. Lawrence. 2,463,781, Mar. 8.
- Sunlight resistant composition. P. T. Gidley. 2,462,629, Feb. 22.
- Supercharged internal-combustion engine. D. H. Thorns and D. Ramsay. 2,482,040, Sept. 13.
- Supercharger regulator. J. Marinelli. 2,486,047, Oct. 25.
- Supercharging the crankcase of two-cycle engines. H. M. Adkins. 2,463,933, Mar. 8.
- Superfuel. R. F. Marschner. 2,485,897, Oct. 25.
- Superheater. E. C. Bailey. 2,477,950, Aug. 2.
- Superheater and controlling superheat, Steam. F. W. Linaker. 2,463,888, Mar. 8.
- Superheater for car heaters. W. C. Sutphin. 2,479,029, Aug. 16.
- Superheating method and apparatus. L. J. Leher. 2,467,393, Apr. 19.
- Superheating system and apparatus, Vapor. L. J. Leher. 2,481,760, Sept. 13.
- Superheterodyne receiver with automatic frequency control. F. A. de Groot. 2,483,889, Oct. 4.
- Super high frequency filter. E. G. Linder. 2,479,687, Aug. 23.
- Supersensitized silver halide photographic emulsion. B. H. Carroll and J. Spence. 2,478,369, Aug. 9.
- Supersonic inspection. F. A. Firestone and J. R. Frederick. 2,458,581, Jan. 11.
- Supersonic inspection for flaws lying near the surface of a part. F. A. Firestone. 2,467,301, Apr. 12.
- Supervisory signaling in telephone systems. L. A. Kille and T. D. Robb. 2,481,932, Sept. 13.
- Supplemental forging press die. C. E. Schogren. 2,483,597, Oct. 4.
- Supply apparatus for compressors, Cooling-water. C. W. Metzgar. 2,458,284, Jan. 4.
- Supply device, Abrasive lubricant. B. F. Paul and R. R. Wilkinson. 2,486,322, Oct. 25.
- Supply for photoelectric light sources, Safety current. E. A. Cranch. 2,464,074, Mar. 8.
- Supply of ammunition to freely rotatable gun turrets. E. C. M. d'Assis-Fonseca and J. Wotton. 2,483,334, Sept. 27.
- Supply system, Direct current power. H. Ziebolz. 2,489,996, Nov. 29.
- Supply system for carrier communication systems, Power. R. Kelly. 2,474,255, June 28.
- Supply system for gas fired heating plants and valve therefor. Fuel. V. F. Fewell. 2,487,323, Nov. 8.
- Supply system for liquids. S. J. Smith. 2,478,671, Aug. 9.
- Supply system, Fuel. E. O. Wirth and F. Barford. 2,482,956, Sept. 27.
- Supply system, Power. H. G. A. Bax. 2,459,486, Jan. 18.
- Supply system, Power. R. M. Phinney. 2,475,252, July 5.
- Supplying agents to the digestive tract. E. L. Millard. 2,483,098, Sept. 27.
- Supplying heating current to the valves of electric current converters. H. Winograd. 2,490,290, Dec. 6.
- Supplying lubrication as a fine mist. W. W. Nash. 2,472,170, June 7.
- Support: See—
- Abrasive disk support.
- Adjustable earpiece support.
- Adjustable gauge wheel support.
- Adjustable lamp support.
- Adjustable load support.
- Adjustable mirror support.
- Adjustable support.
- Adjustable work support.
- Arch support.
- Arm support.
- Article support.
- Automatic propeller blade support.
- Automobile garment support.
- Bedspring support.
- Book back support.
- Bottle support.
- Brake beam safety support.
- Brake beam support.
- Brake equalizer support.
- Brake gear support.
- Brush support.
- Bubble level support.
- Bust support.
- Cathode support.
- Centering support.
- Chain support.
- Circulating fan support.
- Child's shampoo support.
- Closure support.
- Clothesline support.
- Conductor support.
- Conduit support.
- Container support.
- Curtain support.
- Cushion support.
- Cushioning and vibration damping support.
- Cushioning support.
- Diaper support.
- Dispenser support.
- Display carton with support.
- Distribution transformer coil support.
- Electrical heating element support.
- Electrical insulating support.
- Electron tube mount stabilizer support.
- Extension lamp support.
- Floating heat exchanger support.
- Floral support.
- Foldable support.
- Folding support.
- Foot support.
- Gauge support.
- Golf bag support.
- Hammock support.
- Handle bar support.
- Hanger support.
- Hosiery support.
- Insulator support.
- Iron support.
- Knockdown hammock support.
- Lamp support.
- Leveling support.
- Loom reed support.
- Looped clothesline support.
- Machine tool support.
- Mandrel support.
- Metatarsal and outer longitudinal arch support.
- Motorcycle support.
- Motor-driven leveling support.
- Multiplex photographic equipment support.
- Open foot superheater support.
- Permeability tuning slug support.
- Pipe-line support.
- Pneumatic foot support.
- Portable golf tee support.
- Portable support.
- Power tool support.
- Progressive drawer support.
- Propeller shaft support.
- Quick-change battery support.
- Railway switch point support.
- Rearview mirror support.
- Receptacle support.
- Reel support.
- Refrigerator liner support.
- Refuse bag support.
- Resilient body support.
- Shelf support.
- Shock-absorbing support.
- Shoe support.
- Spring support.
- Storage battery filler support.
- Storage battery filling device support.
- Stuffing box support.
- Swivel ball antenna support.
- Table lid support.
- Tank flush ball and guide support.
- Telephone support.
- Television tube support.
- Temporary tie support.
- Thermocouple support.
- Tie and collar support.
- Tobacco article support.
- Tool support.
- Traffic signalling device support.
- Trailer drawbar support.
- Tube support.
- Typewriter support.
- Vacuum cleaner support.
- Vehicle rear axle housing support.
- Vehicle support.
- Vibration absorbing support.
- Wheel support.
- Window clothesline support.
- Work lamp support.
- Work support.
- Yarn package support.

- Support. G. F. Caldwell. 2,491,891, Dec. 20.
 Support. H. M. Halverson. 2,484,453, Oct. 11.
 Support. A. E. Nelson. 2,460,593, Feb. 1.
 Support. H. O. Rugh. 2,487,765, Nov. 8.
 Support and brake for can body forming machines, Mandrel. E. Laxo. 2,480,191, Aug. 30.
 Support and carrier, Tool. W. L. Sorenson. 2,465,290, Mar. 22.
 Support and clamp, Hose. C. K. Cox. 2,480,906, Sept. 6.
 Support and display, Card. E. L. Schwab. 2,469,210, May 3.
 Support and guard for accordions. W. S. Borek. 2,471,926, May 31.
 Support and guide for drill stems. W. S. Hendricks. 2,470,983, May 24.
 Support and shield, Tube. F. H. Drake. 2,478,574, Aug. 9.
 Support and silencer, Telephone transmitter. A. C. Reinhold. 2,458,199, Jan. 4.
 Support and towing device for two-wheeled vehicles. G. A. Fleischmann. 2,464,495, Mar. 15.
 Support attachment, Curtain and drape rod. M. A. Smith. 2,474,551, June 28.
 Support for adjustable lighting fixtures. A. E. Wiedenhoeff. 2,458,967, Jan. 11.
 Support for an article of furniture, Curtain. J. A. Muench. 2,491,755-6, Dec. 20.
 Support for automatic lathes, Work. J. Furlin. 2,490,516, Dec. 6.
 Support for balancing apparatus, Auxiliary. J. C. Spencer. 2,466,748, Apr. 12.
 Support for ball mills, Roller. E. H. Brant. 2,484,873, Oct. 18.
 Support for bowling alley masking units. R. I. Anderson and B. Hoeker. 2,485,347, Oct. 18.
 Support for brake mechanisms on equalizers. C. L. Eksergian. 2,467,356, Apr. 12.
 Support for brushes. R. T. Embree. 2,489,875, Nov. 29.
 Support for carpet sweepers, Ball. R. S. Wagner. 2,464,910, Mar. 22.
 Support for centrifugal extractors, Curb and motor. O. W. Johnson and G. O. Sommerhalter. 2,479,365, Aug. 16.
 Support for clothesline reels. O. W. Hogrefe. 2,465,176, Mar. 1.
 Support for clotheslines and the like. J. G. Koester. 2,486,035, Oct. 25.
 Support for concrete mixers, Chute. L. G. Hilkemeier. 2,488,292, Nov. 15.
 Support for conductors of signal transmission lines. C. R. Burrows. 2,467,292, Apr. 12.
 Support for curtain-pole holders, etc., Adjustable. P. F. Bergman and E. G. H. Löfström. 2,480,438, Aug. 30.
 Support for drills. W. Pilkington. 2,472,679, June 7.
 Support for electric accumulators, Plate. R. Gray. 2,470,163, May 17.
 Support for electric conductors. A. H. and G. A. Stevens. 2,473,264, June 14.
 Support for electric sadirons. J. A. Cragan. 2,461,681, Feb. 15.
 Support for electric space discharge tubes, Filament. E. K. Kelley. 2,467,390, Apr. 19.
 Support for electrical fixtures. J. E. Williams. 2,461,794, Feb. 15.
 Support for floating roofs, Roof. F. L. Goldsby and F. D. Moyer. 2,464,803, Mar. 22.
 Support for fowl or the like. E. T. Bartlett. 2,458,239, Jan. 4.
 Support for furniture and the like, Adjustable. C. R. Nalle. 2,465,741, Mar. 29.
 Support for garden sprinklers. O. J. S. Bakke. 2,464,366, Mar. 15.
 Support for gas ranges, Utensil. E. A. Stevens. 2,473,478, June 14.
 Support for grinding machines and the like, Work. M. and D. H. Fairest. 2,481,918, Sept. 13.
 Support for hats. M. L. Marcus. 2,466,605, Apr. 5.
 Support for hemorrhoids. B. Shore. 2,468,348, Apr. 26.
 Support for indicator gauges. H. E. Duncan. 2,476,239, July 12.
 Support for inductor furnace workpieces, Slide rail. H. A. Strickland, Jr. 2,457,846, Jan. 4.
 Support for ironing boards and the like, Folding. U. K. Johannsen. 2,474,107, June 21.
 Support for ironing boards, Collapsible. E. C. Booth. 2,471,059, May 24.
 Support for irons. M. A. Rollman. 2,466,825, Apr. 12.
 Support for last inserting machines, Last. J. W. Pratt. 2,468,895, May 3.
 Support for lens grinding machines, Work. C. T. Grant. 2,471,871, May 31.
 Support for loudspeakers, including acoustic chambers, Cellular. G. M. Giannini. 2,475,782, July 12.
 Support for luggage, Retractable wheeled. G. G. Kubo. 2,484,951, Oct. 18.
 Support for neon tubes. M. Fletcher. 2,459,692, Jan. 18.
 Support for pedestals. S. Isakson. 2,482,979, Sept. 27.
 Support for phonographs, Multiple record. W. E. Rudolph. 2,472,960, June 14.
 Support for phonographs, Multiple record. H. Walker. 2,472,964, June 14.
 Support for pilot lamps. E. C. Ross, Jr. 2,465,753, Mar. 29.
 Support for pipes, Spring. A. J. Loepsinger. 2,480,487, Aug. 30.
 Support for saw frames. G. F. H. Östberg. 2,467,905, Apr. 19.
 Support for shades, curtains, and drapes, Combined. F. E. Mentz. 2,474,434, June 28.
 Support for shiftable curtain rods. W. G. Anderson. 2,462,344, Feb. 22.
 Support for shotgun shells, Clip. P. R. Isaacson. 2,477,806, Aug. 2.
 Support for steering columns, Vibration eliminating. L. R. Paun. 2,469,075, May 3.
 Support for surface plumbing. E. C. Burns, Jr., and M. W. Myers. 2,489,119, Nov. 22.
 Support for table tennis nets. S. Nadelson. 2,470,318, May 17.
 Support for textile looms, Lug strap. W. Herron. 2,467,260, Apr. 12.
 Support for the bases of cover-type annealing furnaces, Charge. E. D. Spangler. 2,481,170, Sept. 6.
 Support for the electrodes of electron discharge devices. G. W. Baker. 2,489,850, Nov. 29.
 Support for trailer vehicles. J. Stephen. 2,458,312, Jan. 4.
 Support for tubing welders Tubing. R. I. Hahn, R. W. Spears, and B. E. Frank. 2,492,572, Dec. 27.
 Support for use in loading pallets or the like, Temporary. A. W. Moffat. 2,461,479, Feb. 8.
 Support for use on surgical operating tables, Arm. A. R. Kraus. 2,459,033, Jan. 11.
 Support for vehicles, Crossbar. F. Fahland. 2,476,362, July 19.
 Support for Venetian blinds, Center. R. H. Wright. 2,486,771, Nov. 1.
 Support for vertically adjustable seats. C. E. E. Lundquist. 2,476,258, July 12.
 Support for voltage regulators. W. S. Master. 2,474,270, June 28.
 Support for window sashes and the like, Adjuster. H. M. Manger and E. H. Horn. 2,488,305, Nov. 15.
 Support having spacing frame, Mirror. C. R. Jones. 2,469,923, May 10.
 Support means for oil pipes and electrodes in oil burners. C. E. Schinman. 2,473,769, June 21.
 Support means for vertically slidable windows, doors and the like. L. B. Lambert and R. W. Orange. 2,465,651, Mar. 29.
 Support or garter, Hosiery. R. J. Steere. 2,473,113, June 14.
 Support or rack, Electrical cable. M. Hain. 2,470,814, May 24.
 Support or scaffold for window cleaners and the like, Outside. P. L. Shea. 2,492,598, Dec. 27.
 Support to maintain same in desired position, Lid and door. N. A. Gussack. 2,465,088, Mar. 22.
 Support unit for ovens and the like, Heating element. R. H. Deal. 2,478,808-9, Aug. 9.
 Support with clamping means, Shoe. J. Bouchal. 2,478,455, Aug. 9.
 Supporter, Athletic. G. S. Van Voohris. 2,475,532, July 5.
 Supporter, Garment. R. Tilly. 2,463,068, Mar. 1.
 Supporter, Hose. H. F. Callis. 2,462,161, Feb. 22.
 Supporter, Hosiery. R. M. Taylor. 2,472,350, June 7.
 Supporter, Sanitary pad. M. K. Berkman. 2,475,001, July 5.
 Supporter, Sock. E. Snead. 2,480,784, Aug. 30.
 Supporting a plurality of garment hangers. H. O. Bayler and R. M. Shoemaker. 2,476,476, July 19.
 Supporting and suspension means, Safety. B. L., I. L., and W. E. Bassett. 2,479,459, Aug. 16.
 Supporting clamp. G. Yates. 2,463,451, Mar. 1.
 Supporting clip. D. B. Hull. 2,480,024, Aug. 23.
 Supporting column. J. C. Curtis. 2,461,810, Feb. 15.
 Supporting detachable legs. T. K. Marks. 2,482,012, Sept. 13.
 Supporting device. J. C. Bridges. 2,460,970-1, Feb. 8.
 Supporting device, Bottle. P. R. Li Calzi. 2,488,777, Nov. 22.
 Supporting device, Clothes. W. A. Heinrich. 2,487,652, Nov. 8.
 Supporting device for cathode-ray tubes. D. B. Keim. 2,471,154, May 24.
 Supporting device for extractors, Lamp shade. C. E. Woods. 2,463,842, Mar. 8.
 Supporting device for pumps. J. W. McConaghy. 2,464,936, Mar. 22.
 Supporting device, Record sheet. H. Hansen. 2,459,523, Jan. 18.
 Supporting device, Self-adjusting and locking wheel. R. D. Henderson. 2,481,926, Sept. 13.
 Supporting frame for garments, Detachable. J. Glick. 2,483,367, Sept. 27.
 Supporting glass sheets during bending. G. White and W. A. Smith. 2,476,169, July 12.
 Supporting means for basketball baskets. H. Rubin. 2,473,908, June 21.
 Supporting means for basketball goal nets. J. H. Cunningham. 2,489,174, Nov. 22.
 Supporting means for storage tanks. J. Jones. 2,463,880, Mar. 8.
 Supporting means for railroad cars, Brake beam. M. S. Johnson and G. F. Oakley. 2,469,504, May 10.

- Supporting means for vacuum tube electrodes. E. C. Ewing. 2,486,829, Nov. 1.
- Supporting means, Garment. R. Temple. 2,476,122, July 12.
- Supporting objects in space in animating apparatus. T. J. D. Russell. 2,487,331, Nov. 8.
- Supporting observers in range-finder systems. E. von Segebaden. 2,474,133, June 21.
- Supporting of casements. J. R. Cornelius. 2,474,468, June 28.
- Supporting or feeding device, Work. A. N. Hoffman. 2,476,094, July 12.
- Supporting rack. F. V. Smolderen and J. P. Cody. 2,467,866, Apr. 19.
- Supporting stand and shelf. D. M. Kennedy. 2,484,382, Oct. 11.
- Supporting structure, Article. C. E. Crede and J. P. Walsh. 2,468,043, Apr. 26.
- Supporting strut. G. O. Turnbull. 2,458,808, Jan. 11.
- Suppository, G. Flintermann. 2,473,368, June 14.
- Suppository, Polyvinyl-alcohol-coated. G. R. Fessenden. 2,477,292, July 26.
- Suppository, Vaginal. W. C. Ward and A. B. Scott. 2,469,618, May 10.
- Suppressing supernumerary pulses. C. E. Cleeton. 2,489,269, Nov. 29.
- Suppression of corrosive action of carbonic acid. E. Q. Camp. 2,470,428, May 17.
- Suppression of parasitic oscillations. R. W. George. 2,467,736, Apr. 19.
- Suppression of radio-frequency noise voltages. A. E. Wilde, Jr. 2,490,329, Dec. 6.
- Suppressor, Echo. C. Gillings and P. E. A. Cowley. 2,472,894, June 14.
- Surcingle. W. E. Carroll. 2,468,811, May 3.
- Surface active agent, Nonionic. R. H. Kienle and G. P. Whitcomb. 2,473,798, June 21.
- Surface and copy holder, Erasable. R. Turner. 2,486,509, Nov. 1.
- Surface conditioning apparatus and process, Metal. B. R. King. 2,477,411, July 26.
- Surface conversion coatings on zinc, Method and compositions for producing. J. E. Stareck and L. M. Corliss. 2,469,015, May 3.
- Surface films by vapor coating and the article resulting therefrom, Forming. R. A. Gaiser. 2,478,817, Aug. 9.
- Surface for soldering by coating with indium, Preparing a. M. T. Ludwick and W. S. Murray. 2,464,821, Mar. 22.
- Surface hardening of ferrous metal articles. A. E. Shorter. 2,483,477, Oct. 4.
- Surface material for fruit, Antisticking. R. E. Ramont. 2,474,915, July 5.
- Surface structures, Simulating. B. K. Beylerian. 2,472,060, June 7.
- Surface-treating machine. G. A. Claytor. 2,489,399, Nov. 29.
- Surface treatment of magnesium base alloys, Electrolytic protective. G. E. Coates. 2,459,365, Jan. 13.
- Surfaces of ferri ferrous metals for the reception of a siccative finishing coat, Method of and material for preparing. E. Snyder. 2,471,908, May 31.
- Surfaces, Protection of. J. D. Gwyn and C. B. Williams, Jr. 2,476,145, July 12.
- Surfacing apparatus, Dynamobrush. D. C. Ridge. 2,477,900, Aug. 2.
- Surfacing material. B. R. Wood. 2,488,252, Nov. 15.
- Surge-compensated liquid pump. A. T. Laspe and J. R. Graef. 2,485,752, Oct. 25.
- Surge preventing device for centrifugal compressors. I. R. Loss. 2,470,565, May 17.
- Surgical appliance for bone fractures. E. E. Longfellow. 2,486,303, Oct. 25.
- Surgical breast pad. A. Silverman. 2,482,297, Sept. 20.
- Surgical cast. M. Gersh and A. Gersh. 2,480,849, Sept. 6.
- Surgical device. W. H. Lodge. 2,491,570, Dec. 20.
- Surgical dispenser. A. H. Gee. 2,464,496, Mar. 15.
- Surgical dressing. W. F. Hamilton. 2,481,419, Sept. 6.
- Surgical dressing. B. D. Morgan. 2,484,045, Oct. 11.
- Surgical dressing element. J. F. Le Lous. 2,481,316, Sept. 6.
- Surgical table. H. T. Treace. 2,459,729, Jan. 18.
- Surveying apparatus, Well. H.-G. Doll. 2,475,353, July 5.
- Surveying device, Well. G. L. Kothny. 2,457,826, Jan. 4.
- Surveying geological formations. L. C. Paslay. 2,465,696, Mar. 29.
- Surveyor's band chain. W. H. Bolter. 2,467,928, Apr. 19.
- Suspended monorail brake. A. S. Bilger. 2,489,740, Nov. 29.
- Suspender back coupling. J. S. Hawie. 2,488,013, Nov. 15.
- Suspender, Figure-free maternity. S. A. Siegel. 2,469,793, May 10.
- Suspender, Garment. L. M. Meyer. 2,463,194, Mar. 1.
- Suspender holder. A. Erickson. 2,480,722, Aug. 30.
- Suspenders, Maternity. P. E. Rosenblatt. 2,477,828, Aug. 2.
- Suspending device. N. M. Byrd. 2,462,719, Feb. 22.
- Suspending device, Small game. C. J. Fashing. 2,483,631, Oct. 4.
- Suspension apparatus, Releasable. W. J. Bigley, Jr., and H. A. Blenkle. 2,468,009, Apr. 19.
- Suspension and resilient mounting means for magnetic systems, Elastic. F. C. Farnham. 2,487,047, Nov. 8.
- Suspension assembly for vehicles, Auxiliary. L. H. Bradley and J. T. Jennings, Jr. 2,481,817, Sept. 13.
- Suspension clamp. W. W. King. 2,472,662, June 7.
- Suspension device for flexible pipes and the like. S. J. Erling. 2,465,857, Mar. 29.
- Suspension device for vehicles, Telescopic. P. W. Thornhill. 2,476,228, July 12.
- Suspension device, Pneumatic. R. Goulrand. 2,488,288, Nov. 15.
- Suspension, especially for vehicles. J. C. Lyon. 2,489,968, Nov. 29.
- Suspension for gyroscopes, Spring. E. B. Hammond, Jr. 2,484,823, Oct. 18.
- Suspension for mine cars, Driven wheel. W. R. Beck. 2,488,520, Nov. 22.
- Suspension for motor vehicles, Wheel. H. A. Hicks and C. C. Jackson. 2,483,974, Oct. 4.
- Suspension for road-rail vehicles, Guide wheel. R. C. Townsend. 2,482,564, Sept. 20.
- Suspension for tackling dummies. G. King. 2,466,954, Apr. 12.
- Suspension for tensioned filaments of electron space charge devices, Vibration suppressing. P. Schwerin. 2,458,534, Jan. 11.
- Suspension for vehicles. G. L. Larison. 2,481,521, Sept. 13.
- Suspension for vehicles, Wheel. C. N. Aronson. 2,458,548, Jan. 11.
- Suspension for vehicles, Wheel. S. G. Fuston. 2,484,280, Oct. 11.
- Suspension hanger. F. W. Stanke and L. F. Bender. 2,460,856, Feb. 8.
- Suspension means for saddles, Spring. R. A. Labine. 2,467,676, Apr. 19.
- Suspension means for vehicles, Pneumatic. R. Goulrand. 2,469,962, May 10.
- Suspension means for Venetian blinds, Window. H. L. Johnson. 2,492,867, Dec. 27.
- Suspension of fibrous material, Producing a. B. G. Wählin. 2,481,959, Sept. 13.
- Suspension, Rail truck. A. S. Krotz. 2,473,714, June 21.
- Suspension spring seat. L. Spunt and B. A. Gould. 2,469,216, May 3.
- Suspension, Swing. S. Bender. 2,474,718, June 28.
- Suspension system. B. B. Bachman and D. J. Macklin. 2,458,549, Jan. 11.
- Suspension system for automobile vehicles. M. F. A. Julien. 2,480,934, Sept. 6.
- Suspension system for ribbon parachutes, Shroud line load. F. S. Weinig. 2,465,409, Mar. 29.
- Suspension system for track adjusting idlers. H. A. Knox and R. I. Strickland. 2,466,029, Apr. 5.
- Suspension unit. H. A. Knox. 2,462,873, Mar. 1.
- Suspension unit, Torque arm. G. F. Sheppard. 2,467,917, Apr. 19.
- Suture. L. L. Campbell and T. R. Selby. 2,468,034, Apr. 26.
- Swab for oil wells. H. E. Bowerman and G. C. Waldrop. 2,466,572, Apr. 5.
- Swab, Well. I. C. Bell. 2,480,830, Sept. 6.
- Swabber, Well. E. W. Bailey. 2,482,455, Sept. 20.
- Swaging apparatus. J. C. Luley. 2,458,395, Jan. 4.
- Swather. W. C. Jenson. 2,492,223, Dec. 27.
- Swatter heads, Fabricating. A. L. Murray. 2,488,317, Nov. 15.
- Sweatbands and making. A. B. Christiana. 2,480,356, Aug. 30.
- Sweater. W. Katz. 2,492,097, Dec. 20.
- Sweep circuit. D. E. Kenyon. 2,466,712, Apr. 12.
- Sweeper, Suction-type street. W. R. Furr. 2,458,258, Jan. 4.
- Sweetening and desulfurizing hydrocarbons. J. O. Denton, Jr. 2,488,855, Nov. 22.
- Swimming pool apparatus. E. J. Opsahl. 2,472,309, June 7.
- Swimming pool, Water-borne. K. H. Stehr. 2,464,358, Mar. 15.
- Swimming trunks. U. Vacca. 2,483,076, Sept. 27.
- Swine tool. D. F. Christoffer. 2,488,962, Nov. 22.
- Swing. C. N. Anderson. 2,480,691, Aug. 30.
- Swing. A. Henry. 2,487,708, Nov. 8.
- Swing. G. Revelle and B. S. Revelle, Sr. 2,491,875, Dec. 20.
- Swing. R. E. Soderholm. 2,478,673, Aug. 9.
- Swing, Bird cage. J. J. Fischer. 2,488,003, Sept. 27.
- Swing, Child's. W. R. Ford. 2,465,441, Mar. 29.
- Swing, Child's. L. L. Helms. 2,464,446, Mar. 15.
- Swing construction, Convertible. J. J. Sullivan. 2,478,432, Aug. 9.
- Swing hinge, Check. G. Riemer. 2,474,164, June 21.
- Swinging jaw adjustable wrench. R. Johnson. 2,459,882, Jan. 25.
- Switch: See—
- | | |
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| Acceleration switch. | Alarm clock actuated electric switch. |
| Acoustic switch. | Automatic safety ignition switch. |
| Adjustable limit switch. | |
| Air pressure switch. | |

Switch: See—Continued.

- Automatic switch.
Automatic telephone switch.
Automatically controlled ignition switch.
Backup light switch.
Ball contactor switch.
Brake lever operated switch.
Cam actuated switch.
Capacitive switch.
Centrifugal delay switch.
Centrifugal force operated switch.
Centrifugal safety delay switch.
Centrifugal switch.
Centrifugally non-responsive electrical snap switch.
Clamped switch.
Coin actuated electrical switch.
Coin-controlled switch.
Collision switch.
Combination lock switch.
Combined electromagnetic and manual operated switch.
Condition responsive switch.
Curb signal switch.
Delayed-action switch.
Draft switch.
Dual action switch.
Electric cam snap switch.
Electric knife switch.
Electric-lighting switch.
Electrical safety switch.
Electric snap switch.
Electric switch.
Electrical coupling switch.
Electrical switch.
Electrical time switch.
Electromagnetic switch.
Electromagnetically operated switch.
Electronic reversing switch.
Electronic switch.
Enclosed fused switch.
Enclosed safety switch.
Engine starter control switch.
Fire alarm switch.
Flashlight switch.
Float operated switch.
Fluid pressure actuated switch.
Fluorescent lamp switch.
Fluorescent line and momentary contact switch.
Foot actuated rotary switch.
Foot-operated step-by-step switch.
Frictionally driven switch.
Gang operated switch.
Gauging switch.
Glow discharge switch.
Glow switch.
Gravity-actuated high-voltage switch.
Hand-operated cam switch.
Heat controlled switch.
High-frequency coaxial cable switch.
High-frequency switch.
High-potential electric switch.
High voltage switch.
Impact thermostatic switch.
Knife blade or plug type electric switch.
Level sensitive switch.
Lever operated control switch.
Light switch.
Limit switch.
Liquid contact tilt indicating switch.
Liquid level switch.
Magnetic alarm switch.
Magnetic limit switch.
Magnetic switch.
Magnetically operated switch.
Manual switch.
Master safety switch.
Mechanically interlocked pulsing dial selector switch.
Mercury switch.
Mercury vapor switch.
Motor operated switch.
Motor starting and safety switch.
Motor starting control switch.
Motor starting switch.
Multiple circuit switch.
Multiple push-button switch.
Multiple switch.
Multiposition switch.
Multiway electric switch.
On-or-off electric switch.
Pedal actuated electric switch.
Plastic switch.
Plug in type electric switch.
Power cutoff switch.
Pressure actuated switch.
Pressure operated switch.
Pressure responsive switch.
Pressure switch.
Proportional cycling switch.
Protective switch.
Pull-out switch.
Push-button electric switch.
Push-button operated electric switch.
Push-button switch.
Push-pull switch.
Quick action switch.
Quick make and break switch.
Radio time switch.
Railway switch.
Releasable lever operated switch.
Repeater fuse switch.
Rheostat with switch.
Rotary electric switch.
Rotary electrical switch.
Rotary reversing switch.
Rotary switch.
Safety cutout switch.
Safety switch.
Selective coin operated switch.
Selector-stepper switch.
Setback switch.
Snap acting device and electric switch.
Snap acting electric switch.
Snap-action electric switch.
Snap-action thermostatic switch.
Snap switch.
Solenoid operated switch.
Starting switch.
Telephone subscriber's stepping switch.
Temperature control switch.
Thermal responsive electric switch.
Thermal switch.
Taper snap switch.
Thermocouple safety pilot switch.
Thermometric alarm switch.
Thermostatic electric switch.
Thermostatic switch.
Thermostatically operated electric switch.
Thermostatically operated switch.
Time switch.
Tire deflation switch.
Tire pressure alarm switch.
Toggle actuated switch.
Tractor switch.
Tumbler switch.
Ultra high frequency switch.
Variable limit switch.
Vehicle signal light switch.
Vibratory converter switch.
Vibratory switch.
Waterproof flashlight switch.
Welding electrode holder switch.
X-ray control switch.
- Switch. J. R. Bird. 2,473,565, June 21.
Switch. J. W. Busacker and T. M. Perry. 2,458,464, Jan. 4.
Switch. R. C. Ingwersen. 2,485,736, Oct. 25.
Switch. R. F. Kneisley. 2,490,523, Dec. 6.
Switch. E. T. Platz. 2,487,725, Nov. 8.
Switch. R. S. Robbins and C. T. Cochran. 2,473,303, June 14.
Switch. A. and S. Szerlip. 2,461,707, Feb. 15.
Switch actuating mechanism, Electric. R. N. Rowe. 2,468,463, Apr. 26.
Switch actuator, Electric. R. N. Rowe. 2,460,599, Feb. 1.
Switch actuator, Sensitive. M. M. Hennessy. 2,460,695, Feb. 1.
Switch adapter. C. F. Oberschmidt. 2,466,820, Apr. 12.
Switch and circuit breaker. E. F. Webb. 2,475,300, July 5.
Switch and circuit breaker, Combination electric. S. S. Grady. 2,470,301, May 17.
Switch and dialite assembly, Unitary volume control. J. F. Rider. 2,457,920, Jan. 4.
Switch and fuse, Combined. F. G. von Hoorn. 2,471,848, May 31.
Switch and latch strike unit. G. E. Curtiss, Jr. 2,467,815, Apr. 19.
Switch and rheostat, Combination. B. F. Hermann. 2,492,286, Dec. 27.
Switch and sealed adjusting control, Thermostatic. V. G. Vaughan. 2,473,081, June 14.
Switch and valve control, Shock responsive. H. B. Printz. 2,488,739, Nov. 22.
Switch and valve means for vehicles, Crash. G. H. Whiteside. 2,482,890, Sept. 27.
Switch apparatus for machine controls. A. G. Seifried and R. H. Stoner. 2,487,187, Nov. 8.
Switch apparatus, Magnetic. H. Cooley. 2,473,468, June 14.
Switch assembly, Electric. K. C. Allison and E. P. Herrick. 2,474,999, July 5.
Switch assembly, Resonant magnetic. H. G. Weightman. 2,471,594, May 31.
Switch assembly, Solenoid. A. F. Walton. 2,467,063, Apr. 12.
Switch attachment, Flush toggle. R. E. Seaman. 2,461,614, Feb. 15.
Switch construction. E. A. Link. 2,482,009, Sept. 13.
Switch construction, Automatic. W. O. Schultz. 2,458,800, Jan. 11.
Switch construction, Automatic. W. O. Schultz. 2,461,846, Feb. 15.
Switch construction, Electric. W. H. Martin. 2,485,399, Oct. 18.
Switch construction, Electric. H. Millard. 2,465,654, Mar. 29.
Switch contact. C. H. Hannon and A. L. Jenny. 2,469,878, May 10.
Switch contact. H. Meier. 2,487,573, Nov. 8.
Switch control of press machine motors, Reversing. P. Witte. 2,465,332, Mar. 22.
Switch device, Centrifugal. G. Levesque du Rostu. 2,473,343, June 14.
Switch device, Electrical. R. F. Beck. 2,458,927, Jan. 11.
Switch device, Multiple limit. W. Mungall. 2,468,772, May 3.
Switch device, Protective. S. R. Smith, Jr. 2,491,338, Dec. 13.
Switch for automatic telephones, Selector. C. E. Lomax. 2,481,851, Sept. 13.
Switch for bottle conveyer belts, Divider. N. W. Lyon. 2,465,690, Mar. 29.
Switch for discharge lamps, Control. L. W. Cook. 2,462,306, Feb. 22.
Switch for electric discharge devices, Starting. B. R. Reinhardt. 2,462,335, Feb. 22.
Switch for electric discharge lamps, Control. T. Hehenkamp and K. de Jong. 2,491,858, Dec. 20.
Switch for fluorescent lamps, Starting. R. E. Tiffany and F. J. Krajcik. 2,481,368, Sept. 6.
Switch for hydraulic brake systems, Pressure operated. M. Katcher and C. R. Mayo. 2,466,111, Apr. 5.
Switch for incapacitated persons, Electrical. A. Ferrante. 2,486,591, Nov. 1.
Switch for radio-frequency current. R. G. Shankweiler. 2,475,464, July 5.
Switch for refrigerating apparatus. A. O. Grooms. 2,459,522, Jan. 18.
Switch for rocket launchers, Firing. P. T. Nims. 2,479,769, Aug. 23.
Switch for rocket launchers, Firing. P. T. Nims and H. S. Phelan. 2,488,228, Nov. 15.
Switch for service indicator. W. L. Willcox. 2,492,408, Dec. 27.
Switch for single-phase motors, Centrifugal. J. M. Stein and J. R. Greenemeyer. 2,484,254, Oct. 11.
Switch for synchronizers and the like, Control. G. A. Lev. 2,459,330, Jan. 18.
Switch for telephone systems, Intercommunication receiving. A. Conhagen. 2,491,954, Dec. 20.
Switch for the ignition system of motor vehicles, Permutation. W. A. J. Horne, H. Heath, and E. J. Munday. 2,491,561, Dec. 20.

- Switch having a plurality of selecting magnets with a common control and a common release magnet, Cross bar. K. W. Graybill and H. Sengebusch. 2,479,678, Aug. 23.
- Switch having adjustable mounting means, Shutter-operated flash synchronizing. V. Strecker. 2,484,915, Oct. 18.
- Switch having electromagnetic arc extinguishing means, Electric. W. J. Lewis. 2,491,010, Dec. 13.
- Switch mechanism. E. S. Giffin. 2,484,991, Oct. 18.
- Switch mechanism. A. L. Riche. 2,468,512, Apr. 26.
- Switch mechanism, Electric. H. L. Newell. 2,481,333, Sept. 6.
- Switch mechanism for fire alarms. M. E. Ouellette. 2,472,266, June 7.
- Switch mechanism, Time controlled. R. L. Hughes. 2,458,853, Jan. 11.
- Switch operating apparatus, Railway. G. W. Baughman. 2,492,374, Dec. 27.
- Switch operating means, Railway track. M. E. Blythe. 2,468,024, Apr. 26.
- Switch operating mechanism. O. H. Kaminky. 2,468,673, Apr. 26.
- Switch or like apparatus. E. F. Kohl. 2,469,336, May 3.
- Switch or rheostat, Electric. H. W. Batcheller. 2,479,896, Aug. 23.
- Switch relay, Electromagnetic mercury. C. H. Larson. 2,491,986, Dec. 20.
- Switch structure and steering column lock. R. A. Sandberg. 2,478,016, Aug. 2.
- Switch structure, Polarized magnetic. H. Reifel and H. G. Weightman. 2,491,907, Dec. 20.
- Switch structure, Remote-control. L. F. Berry and F. E. Davis, III. 2,477,166, July 26.
- Switch stud and fuse clip, Combined. W. G. Harlow. 2,458,511, Jan. 11.
- Switch throw for railways. F. K. Holmsted. 2,467,750, Apr. 19.
- Switch unit. A. Venditty. 2,491,696, Dec. 20.
- Switch unit, Electric. R. N. Rowe. 2,468,235, Apr. 26.
- Switch used in telephone systems, Combination toll and local connector. R. Taylor and G. T. Baker. 2,479,276, Aug. 16.
- Switch with common cathode output, Electronic. R. D. Goodrich, Jr., and T. F. C. Muchmore. 2,482,759, Sept. 27.
- Switch with creep-action motor, Snap action. R. Valverde. 2,478,344, Aug. 9.
- Switch with movable contact mounted on an insulated shaft, Multiple position. D. G. McArn and P. E. Cook. 2,478,296, Aug. 9.
- Switchboard. R. L. Hodgkins and F. H. Hunter. 2,467,828, Apr. 19.
- Switchboard and cable connections therein, Self-contained. E. L. Mentor. 2,459,237, Jan. 18.
- Switchboard attachment, Telephone. E. E. Roberts. 2,486,325, Oct. 25.
- Switchboard system, Telephone. B. C. Groh. 2,468,749, May 3.
- Switchgear, Metal-clad. L. B. Chubbuck. 2,473,861, June 21.
- Switching and modulation system. A. S. Maeder. 2,473,535, June 21.
- Switching apparatus, Distributor. H. W. Balzer. 2,467,457, Apr. 19.
- Switching apparatus for fire control systems. W. Von Glahn. 2,459,255, Jan. 18.
- Switching apparatus for ultra high frequency. R. V. Gould. 2,484,822, Oct. 18.
- Switching apparatus, Pressure. R. E. Gebhardt. 2,486,742, Nov. 1.
- Switching arrangement for high-frequency circuits, Band. J. G. Crockett. 2,464,557, Mar. 15.
- Switching arrangement for polyphase transformers, Interphase winding and ratio adjuster. S. Minnici. 2,484,576, Oct. 11.
- Switching arrangement, Time and thermostatically controlled. S. C. Shepard. 2,471,457, May 31.
- Switching device. J. S. Garvin and H. W. Herrington. 2,463,609, Mar. 8.
- Switching device. L. E. Olson, and R. Wertzler. 2,471,281, May 24.
- Switching device, Antenna. R. E. Kester. 2,480,140, Aug. 30.
- Switching device, Composite. W. Deans. 2,471,200, May 24.
- Switching device, Condition responsive. V. Weber and W. S. Kunzler. 2,488,459, Nov. 15.
- Switching device, Electrical. W. J. D. Harrison. 2,471,568, May 31.
- Switching device, Electrical. W. E. Neyens. 2,487,979, Nov. 15.
- Switching device for distribution of programs. S. G. Andersson. 2,482,998, Sept. 27.
- Switching device, Resonance-receiving relay. W. Koenig. 2,476,419, July 19.
- Switching means, Time delay. H. Schirokauer. 2,463,469, Mar. 1.
- Switching mechanism, Electric. R. J. Lean. 2,478,407, Aug. 9.
- Switching system. R. L. Daniel. 2,470,292, May 17.
- Switching system. D. L. Herr. 2,483,281, Sept. 27.
- Switching system, Biasing potential. G. Deakin and H. F. Herbig. 2,462,074, Feb. 22.
- Switching system, Electromagnetic. W. A. Ray. 2,469,609, May 10.
- Switching system, Electronic. J. H. Newitt. 2,485,642, Oct. 25.
- Switching system, Electronic. J. E. Smith and E. R. Shenk. 2,464,353, Mar. 15.
- Switching system for pulse communication systems, Transmit receive. L. D. Smullin and J. B. Wiesner. 2,478,332, Aug. 9.
- Switching system in a diversity receiving system, Electronic. J. B. Atwood. 2,492,780, Dec. 27.
- Switching system, Phase controlled. O. W. Livingston. 2,484,575, Oct. 11.
- Switching system, Power supply. C. Chou. 2,473,194, June 14.
- Switching system, Radio. E. S. Peterson. 2,475,675, July 12.
- Switching system, Telegraph. O. Blyholder. 2,464,371, Mar. 15.
- Switching system, Telegraph. O. Blyholder. 2,490,666, Dec. 6.
- Switching system, Teletypewriter. C. W. Lucek. 2,489,916, Nov. 29.
- Swivel. O. A. Johnson. 2,466,243, Apr. 5.
- Swivel arch hook. V. Wridge. 2,487,085, Nov. 8.
- Swivel ball antenna support. T. R. Finke, J. L. Stewart, and L. H. Finneburgh, Jr. 2,470,693, May 17.
- Swivel connection. D. Warren. 2,489,441, Nov. 29.
- Swivel coupling. E. C. Hartley. 2,459,643, Jan. 18.
- Swivel coupling for tractor-trailer units, Jackknife proof. H. Alger. 2,485,251, Oct. 18.
- Swivel fixture joint. N. M. Robboy. 2,477,901, Aug. 2.
- Swivel for drilling rigs, Rotary. R. R. Bloss, and A. R. McLerran. 2,472,061, June 7.
- Swivel for electric cables. E. Sokolik. 2,466,499, Apr. 5.
- Swivel for electric cables. E. Sokolik. 2,474,070, June 21.
- Swivel having improved means for relieving pressure on the packing, Rotary. G. R. Tremolada. 2,487,905, Nov. 15.
- Swivel joint. M. P. Graham. 2,470,215, May 17.
- Swivel joint. W. W. Mueller. 2,476,617, July 19.
- Swivel joint. D. C. Warren. 2,459,981, Jan. 25.
- Swivel pipe joint. E. Rezler. 2,477,142, July 26.
- Swivel, Rotary. G. R. Tremolada. 2,459,472, Jan. 18.
- Swivel, Swinging. W. R. Leas. 2,484,173, Oct. 11.
- Swivel triline staging snap. C. Fowler. 2,466,939, Apr. 12.
- Swivel valve joint. W. M. Elias. 2,481,733, Sept. 13.
- Synchronization of camera and television receiver tubes. C. D. Maurer and W. J. Swenson. 2,486,717, Nov. 1.
- Synchronization of time division multiplex communication system. J. O. Edson. 2,457,986, Jan. 4.
- Synchronized pulse generator. M. M. Levy. 2,462,109, Feb. 22.
- Synchronized time-controlled driving mechanism. A. B. Benson. 2,487,295, Nov. 8.
- Synchronizer. J. C. Auten. 2,478,355, Aug. 9.
- Synchronizer. F. W. Avila. 2,470,208, May 17.
- Synchronizer, Electronic. R. C. Treseder. 2,482,812, Sept. 27.
- Synchronizer for cameras, Photoflash. W. H. Orme. 2,480,336, Aug. 30.
- Synchronizer for photographic shutters, Power-driven flash. A. Simmon and L. L. Weisglass. 2,474,378, June 28.
- Synchronizer, including lever operated electric generator, Camera shutter and flashlamp. P. K. McCall. 2,490,225, Dec. 6.
- Synchronizer, Line finder. D. H. Ransom. 2,462,896, Mar. 1.
- Synchronizer with adjustable delay means, Built-in flash-light and shutter. F. A. G. Pirwitz. 2,480,604, Aug. 30.
- Synchronizer with tripper-operated safety switch, Photoflash. A. Kennedy. 2,471,219, May 24.
- Synchronizing alternating electric voltages. G. Guanella. 2,481,659, Sept. 13.
- Synchronizing and slating method. A. W. Tondreau and E. B. McGreal. 2,479,188, Aug. 16.
- Synchronizing apparatus, Alternating current. M. Tousseint. 2,482,444, Sept. 20.
- Synchronizing clutch. C. D. Peterson, A. H. Deimel, and E. W. Zingsheim. 2,467,987, Apr. 19.
- Synchronizing device. J. D. Hitchcock. 2,478,922, Aug. 16.
- Synchronizing device, Facsimile. R. C. Curtis. 2,474,829, July 5.
- Synchronizing mechanism. J. A. Wagner. 2,486,082, Oct. 25.
- Synchronizing system. H. B. Fleming and G. M. Brown. 2,491,804, Dec. 20.
- Synchronizing system. C. E. Hallmark. 2,459,699, Jan. 18.
- Synchronizing system. K. R. Wendt. 2,487,682, Nov. 8.
- Synchronizing system for geared motors. E. C. Wahlberg. 2,469,140, May 3.
- Synchronizing system for saw-tooth wave generators. D. E. Sunstein. 2,492,018, Dec. 20.
- Synchronizing system for telegraphy. E. R. Shenk. 2,483,786, Oct. 4.
- Synchronizing system, High-speed facsimile. W. G. H. Finch. 2,466,221, Apr. 5.

- Synchronizing system, Impulse motor. H. C. Roters. 2,482,290, Sept. 20.
- Synchronizing system, Servo-mechanism. A. Alford and E. C. Barkofsky. 2,478,221, Aug. 9.
- Synchronous electric motor. J. M. Hush. 2,483,543, Oct. 4.
- Synchronous motor. W. L. Hansen and J. M. Hush. 2,483,539, Oct. 4.
- Synchronous motor. S. Saretzky. 2,483,848, Oct. 4.
- Synchroscope, Polarized armature. H. F. Bush. 2,467,729, Apr. 19.
- Synthesis gas, Generation of. F. C. Greene. 2,466,945, Apr. 12.
- Synthesis gas, Production of. M. H. Gorin and A. J. Abrams. 2,485,875, Oct. 25.
- Synthesis of alkyl substituted styrene polymers, Direct. A. F. McKay. 2,459,109, Jan. 11.
- Synthesis of amino acids. N. F. Albertson and S. Archer. 2,479,662, Aug. 23.
- Synthesis of biotin. M. W. Goldberg and L. H. Sternbach. 2,489,232, Nov. 22.
- Synthesis of biotin. M. W. Goldberg and L. H. Sternbach. 2,489,235, Nov. 22.
- Synthesis of biotin and related compounds. M. W. Goldberg and L. H. Sternbach. 2,489,236, Nov. 22.
- Synthesis of biotin intermediates. S. A. Harris and D. Heyl. 2,466,232, Apr. 5.
- Synthesis of carbazole from o-amino-biphenyl with alumina as tar inhibitor. C. Conover. 2,479,211, Aug. 16.
- Synthesis of carbazole from o-amino-biphenyl with metal salts as tar inhibitors. C. Conover. 2,479,212, Aug. 16.
- Synthesis of carbinols. P. V. Spijker and J. A. Sherred. 2,486,693, Nov. 1.
- Synthesis of diethyl ketone. W. F. Gresham, R. E. Brooks, and W. E. Grigsby. 2,473,995, June 21.
- Synthesis of di-methionine. K. Savard. 2,485,116, Oct. 18.
- Synthesis of 4-hydroxycoumarins. M. A. Stahmann and K. P. Link. 2,465,293, Mar. 22.
- Synthesis of 4-hydroxycoumarins. M. A. Stahmann, and K. P. Link. 2,471,047, May 24.
- Synthesis of hexadiene dinitrile and product. I. D. Webb. 2,485,225, Oct. 18.
- Synthesis of hydrocarbons. A. Clark. 2,486,633, Nov. 1.
- Synthesis of hydrocarbons. W. A. Herbst. 2,467,803, Apr. 19.
- Synthesis of hydrocarbons. L. R. Lyons. 2,472,219, June 7.
- Synthesis of hydrocarbons. G. G. Oberfell. 2,490,463, Dec. 6.
- Synthesis of hydrocarbons. W. G. Scharmann. 2,463,912, Mar. 8.
- Synthesis of hydrocarbons and the like. W. M. Stratford. 2,486,505, Nov. 1.
- Synthesis of hydrocarbons, Catalytic. E. T. Layng. 2,465,462, Mar. 29.
- Synthesis of hydrocarbons from carbon monoxide and hydrogen with an iron type catalyst. A. Voorhies, Jr. 2,469,755, May 10.
- Synthesis of metal carbonyls. W. F. Gresham and J. V. E. Hardy. 2,473,993, June 21.
- Synthesis of nitriles. I. D. Webb and G. E. Tabet. 2,477,672, Aug. 2.
- Synthesis of n-substituted amides. J. E. Mahan. 2,476,500, July 19.
- Synthesis of 1,4-dicyano-2-butene. G. T. Brocherdt. 2,477,573, Aug. 2.
- Synthesis of organic sulfur compounds. R. T. Bell and C. M. Thacker. 2,479,996, Aug. 23.
- Synthesis of phthalocyanines from α -chlorine or α -bromine substituted o-tolunitriles. R. E. Brouillard and E. Baumgarten. 2,460,779, Feb. 1.
- Synthesis of vitamin B₆. S. A. Harris. 2,483,137, Sept. 27.
- Synthesizing hydrocarbons. F. J. Jenney and E. W. Riblett. 2,474,845, July 5.
- Synthesizing system, Pulse. D. D. Grieg. 2,483,411, Oct. 4.
- Synthetic elastomer latices, Processing of. H. W. Walker and R. W. Morrow. 2,482,307, Sept. 20.
- Synthetic elastomeric butadiene copolymers, Forming. C. H. Hempel. 2,467,382, Apr. 19.
- Synthetic elastomers from branch-chain flexadiene copolymers. E. T. Bishop. 2,464,742, Mar. 15.
- Synthetic elastomers, Production of. W. F. Faragher and J. W. Harrison. 2,465,363, Mar. 29.
- Synthetic gels, Production of. G. C. Connolly. 2,481,825, Sept. 13.
- Synthetic linear polyamides and process for retarding crystallization of said polyamides. I. F. Walker. 2,473,924, June 21.
- Synthetic linear polycarbonamides. W. Kirk, Jr., and R. S. Schreiber. 2,464,693, Mar. 15.
- Synthetic material setting apparatus. J. E. Roberts. 2,488,937, Nov. 22.
- Synthetic resin adhesive base from cresylic acid and furfural, Making. D. V. Redfern. 2,467,498, Apr. 19.
- Synthetic resin and making it. P. Caccia. 2,491,851, Dec. 20.
- Synthetic resin and printing ink composition containing the same. W. D. Jones. 2,483,468, Oct. 4.
- Synthetic resin articles such as teeth, Making. R. C. Feagin. 2,491,097, Dec. 13.
- Synthetic resin compositions employing curing catalysts. D. J. Lieb, L. E. Clark, Jr., and R. J. Spahr. 2,489,145, Nov. 22.
- Synthetic resin from red oil, a coal-tar distillate, Manufacturing a. A. Champagnat and R. Willer. 2,487,309, Nov. 8.
- Synthetic resin having integral patterned effects, Preparing cast. B. M. Marks. 2,480,749, Aug. 30.
- Synthetic resin having integral sheen, Preparation of cast. B. M. Marks. 2,480,751, Aug. 30.
- Synthetic resin having integral sheen, Preparing cast. R. E. Leary. 2,480,750, Aug. 30.
- Synthetic resin structure, Glazed. D. Gonda. 2,482,265, Sept. 20.
- Synthetic resin with integral sheen, Cast. D. C. Rogers. 2,480,752, Aug. 30.
- Synthetic rubber compositions. N. L. Kalman. 2,480,478, Aug. 30.
- Synthetic rubber latices having large average particle size, Production of. C. E. Rhines. 2,481,876, Sept. 13.
- Synthetic rubber latices, Preparation of. G. U. Glasgow. 2,481,838, Sept. 13.
- Synthetic rubber latices, Treatment of. J. S. Rumbold. 2,484,425, Oct. 11.
- Synthetic rubberlike materials from an alkyl acrylate and a diolefinically unsaturated ether. W. C. Mast, L. T. Smith, and C. H. Fisher. 2,492,169, Dec. 27.
- Synthetic rubberlike materials from an alkyl acrylate and a haloalkyl acrylate. W. C. Mast, C. E. Rehberg, and C. H. Fisher. 2,492,170, Dec. 27.
- Synthetic rubber, Manufacture of. D. L. Schoene. 2,474,807, July 5.
- Synthetic rubber with aromatic arsenites, Preservation of. L. H. Howland and B. A. Hunter. 2,466,810, Apr. 12.
- Synthetic rubbery copolymers of normal olefins with diolefins. R. M. Thomas and H. C. Reynolds. 2,477,018, July 26.
- Synthetic rubbery reaction products of butadiene hydrocarbons and saturated aliphatic compounds. H. M. Guinot and R. Buret. 2,479,490, Aug. 16.
- Synthetic rutile and making same. E. Wainer. 2,489,246, Nov. 22.
- Synthetic sutures and the like, Manufacturing. J. P. Hollihan, Jr. 2,461,602, Feb. 15.
- Synthetic thyroprotein, Producing. C. W. Turner and E. P. Reineke. 2,478,065, Aug. 2.
- Syphilotherapy agent. G. W. Raiziss, M. Severac, and L. W. Clemence. 2,476,508, July 19.
- Syringe. O. J. Alvarez. 2,487,630, Nov. 8.
- Syringe. R. Nalpanlian. 2,473,068, June 14.
- Syringe. F. S. Parrigin. 2,482,361, Sept. 20.
- Syringe. L. Rayman. 2,474,496, June 28.
- Syringe. A. E. Smith. 2,473,733, June 21.
- Syringe. C. V. Smith. 2,483,851, Oct. 4.
- Syringe, Ampoule. A. E. Smith. 2,475,060, July 5.
- Syringe and ampoule. M. L. Folkman. 2,459,875, Jan. 25.
- Syringe and ampoule combination and ampoule. S. D. Goldberg. 2,483,825, Oct. 4.
- Syringe and container assembly, Douche. V. E. Scotti. 2,492,326, Dec. 27.
- Syringe assembly. M. L. Lockhart. 2,490,447, Dec. 6.
- Syringe, Cartridge. N. Applezweig. 2,475,939, July 12.
- Syringe, Dental. A. J. Son. 2,484,657, Oct. 11.
- Syringe, Disposable. A. E. Smith. 2,478,844, Aug. 9.
- Syringe, Disposable. A. E. Smith. 2,490,553, Dec. 6.
- Syringe, Disposable ampoule. A. E. Smith. 2,478,845, Aug. 9.
- Syringe, Disposable ampoule. A. E. Smith. 2,490,551, Dec. 6.
- Syringe, Fountain. R. F. Hardesty. 2,483,636, Oct. 4.
- Syringe holder. H. Helfman and D. Wulfson. 2,491,978, Dec. 20.
- Syringe holder. H. F. Maynes. 2,472,116, June 7.
- Syringe, Hypodermic. H. S. Austin. 2,457,859, Jan. 4.
- Syringe, Hypodermic. Z. M. Roehr. 2,461,481, Feb. 8.
- Syringe, Hypodermic. R. P. and J. O. Scherer. 2,460,039, Jan. 25.
- Syringe, Hypodermic. A. E. Smith. 2,473,734, June 21.
- Syringe, Hypodermic. A. E. Smith. 2,475,061, July 5.
- Syringe plug. E. A. Arnold. 2,478,802, Aug. 9.
- Syringe unit, Combination disposable. A. E. Smith. 2,490,552, Dec. 6.
- Syringes, Repairing glass hypodermic. C. C. Fogg. 2,464,840, Mar. 22.
- System analyzer. E. B. Phillips. 2,487,942, Nov. 15.
- System and apparatus for recording the listening habits of wave signal receiver users. H. A. Rahmel and H. T. Bentley, II. 2,484,733, Oct. 11.
- System and process for the remote control of selectors or similar units. F. P. Gohorel. 2,490,048, Dec. 6.
- System for adding solids to liquids under pressure. H. J. Hepp and H. R. Sailors. 2,486,650, Nov. 1.
- System for automatic transmission of messages between flight progress boards and aircraft. H. F. May. 2,475,848, July 12.
- System for charging and discharging energy storage devices. H. Klemperer. 2,472,838, June 14.
- System for comparison of phase shift of electric quantities. J. Ahler and J. Selz. 2,462,058, Feb. 22.

- System for controlling the pressure in the cabin of an aircraft or the like. W. M. Widgery. 2,473,117, June 14.
- System for cooling fans, By-pass. Q. R. Wald and J. H. Brewster, III. 2,476,643, July 19.
- System for determining the point of break in an electrical conductor. W. R. MacLean. 2,490,377, Dec. 6.
- System for determining the position or path of an object in space. P. W. Nosker. 2,470,787, May 24.
- System for dispensing fluids. D. Mapes. 2,492,165, Dec. 27.
- System for echo ranging. E. E. Turner, Jr. 2,475,363, July 5.
- System for enciphering facsimiles. W. F. Friedman and J. O. Mauborgne. 2,465,367, Mar. 29.
- System for establishing connection within a main exchange with one of a plurality of private branch exchanges. G. Deakin. 2,490,036, Dec. 6.
- System for laying or removing railway tracks. A. L. C. Blondelle. 2,458,050, Jan. 4.
- System for measuring frequency deviations. R. Koehlin. 2,489,296, Nov. 29.
- System for preventing film fire in motion-picture projectors. F. B. Grosz, Sr. 2,458,161, Jan. 4.
- System for producing amplitude-modulated pulses. W. D. Houghton. 2,480,137, Aug. 30.
- System for recovering water from exhaust gas. P. A. Pitt and C. O. Moe. 2,487,176, Nov. 8.
- System for regulating frequency and voltage of motor alternators. E. S. Smith. 2,492,540, Dec. 27.
- System for remote indication and control and automatic computation. G. W. Walton. 2,490,891, Dec. 13.
- System for the prepinning of cotton. J. J. Wallace. 2,474,642, June 28.
- System for the treatment of material. L. J. Fuller. 2,458,068, Jan. 4.
- System for timing exposure interval of photographic prints. E. D. Labrum. 2,484,299, Oct. 11.
- System for translating pulse signals of variable time delay. R. B. J. Brunn. 2,491,029, Dec. 13.
- System for volume compressions. G. K. Graham. 2,474,103, June 21.
- System indicating the direction of variation of an electric quantity, and applications. R. J. Hardy. 2,488,909, Nov. 22.
- System of controlling electric lines. R. D. Nelson and E. A. Link. 2,460,467, Feb. 1.
- System of electrical braking. J. W. Momberg and H. B. Fuge. 2,478,160, Aug. 2.
- System of finishing plastic sheets. I. L. Lesavoy. 2,483,584, Oct. 4.
- System of producing harmonics. J. L. Hurault. 2,460,012, Jan. 25.
- System of wave trains. D. O. Sproule. 2,463,328, Mar. 1.
- System operated by liquid pressure. L. C. Chouings. 2,472,695, June 7.
- Systems for comparing synchronized wave signals. S. Lovel. 2,471,530, May 31.
- T square gauge. J. F. Donohue. 2,462,075, Feb. 22.
- T-square holding clip. J. P. Gibbons and W. P. McGuire. 2,475,021, July 5.
- Tab device, Selective information. W. W. Cline. 2,469,762, May 10.
- Tab linkage, Aileron-rudder. R. L. Copeland. Re. 23,143, Aug. 23.
- Tab means for address printing plates, Shiftable. G. R. Sullivan. 2,465,494, Mar. 29.
- Table: See—
- Adjusting sawing machine table.
 - Auger table.
 - Ball game table.
 - Band-saw table.
 - Bed table.
 - Ceiling suspended, elevatable table.
 - Child's table.
 - Clinical exercise table.
 - Collapsible bath and dressing table.
 - Collapsible steam table.
 - Combination sink and dining table.
 - Connected table.
 - Extension leaf table.
 - Extension table.
 - Folding lap table.
 - Folding table.
 - Folding wall table.
 - Game table.
 - Hatchway table.
 - Heated dental instrument table.
 - Illuminated table.
 - Infant's folding dressing table.
 - Knockdown stand or table.
 - Mechanical pool table.
 - Operating table.
 - Parachute folding table.
 - Play table.
 - Pool game table.
 - Portable electric steam table.
 - Revolving serving table.
 - Sectional cutting table.
 - Sewing-machine table.
 - Side posture chiropractic adjusting table.
 - Surgical table.
 - Tray table.
 - Universal wood working machine table.
 - Vertically adjustable table.
- Table. A. J. Shoenberg. 2,471,245, May 24.
- Table and chair combination. W. C. Dierickx. 2,461,683, Feb. 15.
- Table and chair, Combination. H. Freedman. 2,486,468, Nov. 1.
- Table and chair, Combined. A. E. Puls and E. R. Swenson. 2,483,062, Sept. 27.
- Table and desk for children, Combined. J. A. Alexander. 2,468,856, May 3.
- Table and footrest, Combination. A. Roth. 2,460,148, Jan. 25.
- Table and fracture reducing apparatus, Orthopedic. R. Anderson. 2,477,562, Aug. 2.
- Table baseball. N. A. Dohé. 2,462,170, Feb. 22.
- Table construction, Extension. R. Kamholtz. 2,472,903, June 14.
- Table cushion adjusting mechanism. J. A. Glasin. 2,470,161, May 17.
- Table device for navigation data, Optical projection and plotting. R. H. Carson. 2,478,237, Aug. 9.
- Table for automobile seats, Folding. J. F. Golden. 2,483,043, Sept. 27.
- Table for hospital beds. P. A. Carlstedt. 2,482,896, Sept. 27.
- Table for machine tools, Sectional. L. I. Yeomans and R. P. Frye. 2,466,631, Apr. 5.
- Table for moving individually separated eggs across a light source, Egg inspection. J. R. Clark. 2,461,721, Feb. 15.
- Table for portable sewing machines, Pack-away. J. F. and F. T. Santley. 2,483,106, Sept. 27.
- Table for tire building machines, Feed. W. J. Breth. 2,471,140, May 24.
- Table furnished with adjustable work-supporting arms, Mechanic's work-holding. W. Killius. 2,459,080, Jan. 11.
- Table legs with actuator gravity lock, Folding. P. M. Padon. 2,490,318, Dec. 6.
- Table lid support. E. W. North. 2,458,627, Jan. 11.
- Table or the like, Collapsible. F. H. Shufflin. 2,472,962, June 14.
- Table reciprocating mechanism, Hydraulic. D. H. Holmes. 2,471,688, May 31.
- Table structure, Wall. F. K. Dinger. 2,470,343, May 17.
- Table top, Auxiliary. E. E. Czak. 2,468,962, May 3.
- Table top construction. J. Stanitz. 2,492,541, Dec. 27.
- Table with adjustable cue rack, Pool. E. and J. Correale. 2,470,239, May 17.
- Table with paired legs, Folding. F. P. Isherwood and J. W. Eeroyd. 2,478,271, Aug. 9.
- Table with replaceable top, Shuffleboard-billiard. E. and J. Correale. 2,470,238, May 17.
- Tablet box. L. Hermani. 2,491,264, Dec. 13.
- Tablet box. L. Hermani. 2,492,864, Dec. 27.
- Tachometer and stroboscope, Electronic. J. D. Jordan. 2,485,888, Oct. 25.
- Tachometer, Electric. L. V. R. Philpott. 2,473,542, June 21.
- Tack dispenser. A. H. Spader. 2,487,489, Nov. 8.
- Tack driving tool. J. L. Allen. 2,475,936, July 12.
- Tack, Incendiary. H. J. Janney. 2,466,707, Apr. 12.
- Tack separating mechanism. F. B. Keall. 2,491,614, Dec. 20.
- Tackless display holder. T. R. Thomas. 2,461,400, Feb. 8.
- Tag-forming and attaching combination. S. C. Stoneham. 2,479,028, Aug. 16.
- Tag having folded staple ends concealed, Nonremovable garment. L. Bernstein. 2,464,113, Mar. 8.
- Tag, Identification. S. I. Goldstein. 2,468,397, Apr. 26.
- Tag, Shipping. S. S. Allender. 2,486,726, Nov. 1.
- Tag, Slip-loop string. C. A. Flood. 2,488,280, Nov. 15.
- Tagging device. J. G. Linnemann. 2,478,115, Aug. 2.
- Tail gate for vehicles. F. T. Blankenship. 2,485,546, Oct. 25.
- Tailpiece for violins, etc. W. B. Straton. 2,481,362, Sept. 6.
- Tail set and hair protector. J. M. Walker. 2,487,005, Nov. 1.
- Tail Skinner. A. E. Walsh. 2,489,734, Nov. 29.
- Take-off and landing simulating means for grounded aviation trainers. R. H. Lewis. 2,485,499, Oct. 18.
- Take-off for tractors, Auxiliary power. W. C. Rosenthal and R. C. Boyle. 2,488,741, Nov. 22.
- Take-off for trucks, Power. E. D. Dempsey. 2,468,182, Apr. 26.
- Take-up clamp. J. F. Fair. 2,469,550, May 10.
- Take-up device for knitting machines. F. G. Weisbecker. 2,474,962, July 5.
- Take-up for looms, Variable-speed sand roll. R. Hrdina. 2,465,649, Mar. 29.
- Take-up machine, Hay. W. H. Rodefild. 2,488,939, Nov. 22.
- Take-up of electric cords. E. Applegate. 2,474,566, June 28.
- Tall oil acid composition. E. A. Van Valkenburgh. 2,483,797, Oct. 4.
- Tall oil-cellulose ether composition. W. Stubblebine. 2,457,847, Jan. 4.
- Tampon. M. W. Trager. 2,487,200, Nov. 8.
- Tampon machine and making tampons. H. Ganz. 2,462,178, Feb. 22.
- Tampon with built-in applicator. V. E. Robinson. 2,491,017, Dec. 13.
- Tampons, Making. J. R. Crockford. 2,458,685, Jan. 11.
- Tampons, Making. K. J. Harwood. 2,464,310, Mar. 15.
- Tandem axle construction. W. F. Double and S. F. and R. Q. Armington. 2,472,813, June 14.
- Tandem bogie assembly. W. F. Double. 2,479,327, Aug. 16.

- Tank: See—
 Amphibian tank. Litter roof tank.
 Antisiphonic toilet flush tank. Motor vehicle fuel tank.
 Elevated tank. Safety fuel tank.
 Emergency fuel tank. Self-sealing gasoline tank.
 Emergency gasoline tank. Self-sealing oil tank.
 Floating roof storage tank. Septic tank.
 Floating roof tank. Strip film developing tank.
 Flush tank. Transformer tank.
 Jettison fuel tank. Valved tank.
- Tank adapted for oil dilution and deaeration. Oil. W. Weitzen. 2,483,448, Oct. 4.
 Tank and flush valve seat, Nonsweat toilet. D. J. Peeler. 2,488,232, Nov. 15.
 Tank and valve, Flushing. J. C. Owens. 2,491,130, Dec. 13.
 Tank and valve mechanism, Combination gas. W. W. Wallace. 2,463,446, Mar. 1.
 Tank ball valve. C. E. Stentz. 2,475,681, July 12.
 Tank bottoms equipped with improved means for testing seams and recovering leakage from same. J. H. Wiggins. 2,460,054, Jan. 25.
 Tank connection, Hot-water. O. E. Andrus. 2,471,475, May 31.
 Tank construction for tank vehicles, Heated. W. G. Chausse. 2,490,028, Dec. 6.
 Tank construction, Welded. W. G. Martin. 2,480,376, Aug. 30.
 Tank filling control. J. B. Dryden. 2,462,076, Feb. 22.
 Tank-filling valve. W. T. Roberts. 2,489,197, Nov. 22.
 Tank flush ball and guide support. W. B. Zern. 2,460,114, Jan. 25.
 Tank foot. E. M. Deters. 2,463,754, Mar. 8.
 Tank for electric boilers, Surge. H. C. Mittendorf. 2,485,762, Oct. 25.
 Tank for military aircrafts, Fuel. H. Noyes. 2,464,827, Mar. 22.
 Tank for photographic films, Washing. F. W. Deerfield. 2,460,217, Jan. 25.
 Tank for sterilizers, Vaporizing. R. Harvey. 2,466,234, Apr. 5.
 Tank for 35 mm. film, Developing. J. P. Mancuso. 2,461,289, Feb. 8.
 Tank for use in cutting safety glass, Heating. B. G. Tresner. 2,476,569, July 19.
 Tank for water disposal systems, Filtering. J. P. Walker. 2,457,959, Jan. 4.
 Tank gauge. P. C. Jurs. 2,466,437, Apr. 5.
 Tank pump-out method. P. H. Jones. 2,460,258, Jan. 25.
 Tank roof. P. Offenhauser. 2,461,763, Feb. 15.
 Tank-wall grenade mounting. D. L. Brack. 2,476,479, July 19.
 Tank with flaker, Reaction. M. L. Harbaugh. 2,460,083, Jan. 25.
 Tanning machine. G. L. Wilks. 2,486,623, Nov. 1.
 Tanning product and process. H. C. Beachell. 2,469,428, May 10.
 Tanning with free formaldehyde and melamine simultaneously. W. Windus. 2,470,450, May 17.
 Tantalum nitride, Production of. P. P. Alexander. 2,461,020, Feb. 8.
 Tantalum oxide composition. C. T. Olson and R. W. Hoffman. 2,491,416, Dec. 13.
 Tap, Beer. S. B. Holmes. 2,466,892, Apr. 12.
 Tap changer, No-load. E. W. Kuhn. 2,470,625, May 17.
 Tap changing mechanism, Electromechanical. J. F. McKenney. 2,480,589, Aug. 30.
 Tap changing system. L. F. Blume and S. Minnecci. 2,492,350, Dec. 27.
 Tap removing, Broken. W. B. Condit, H. E. Helfrick, and E. T. Poole. 2,485,361, Oct. 18.
 Tap, Staccato. V. Sunseri. 2,479,428, Aug. 16.
 Tap, Trolley wire. J. F. Conrad. 2,475,352, July 5.
 Tapping accessory for drill presses. A. J. Kreshock. 2,465,541, Mar. 29.
 Tapping arrangement for double-flow low-pressure turbine. C. C. Franck and E. A. Zetterquist. 2,464,388, Mar. 15.
 Tapping tube and liquid level indicator. T. R. Eberwine. 2,483,967, Oct. 4.
 Tape applying. S. B. Lindsey. 2,487,816, Nov. 15.
 Tape applying iron. R. W. Hiller and W. L. Davidson. 2,484,566, Oct. 11.
 Tape dispenser. J. A. Borden. 2,312,9, June 28.
 Tape dispenser. W. E. Gerbing. 2,476,593, July 19.
 Tape dispenser. A. L. Quinlan. 2,492,593, Dec. 27.
 Tape dispenser. A. B. Reed. 2,472,761, June 7.
 Tape dispenser. P. Van Cleef. 2,463,445, Mar. 1.
 Tape dispenser. L. L. Werth. 2,481,704, Sept. 13.
 Tape feed suppressor. M. T. Goetz. 2,472,701, June 7.
 Tape feeding and marking machine. G. Stiegler. 2,482,035, Sept. 13.
 Tape, Fish measuring. G. Von Koscielski. 2,458,811, Jan. 11.
 Tape for laminating, Adhesive. C. L. Weldner and L. W. Eger. 2,474,292, June 28.
 Tape, Friction. M. M. Danovitch. 2,492,689, Dec. 27.
 Tape holder. F. M. Kelley. 2,486,713, Nov. 1.
 Tape holder. C. F. Prime. 2,475,721, July 12.
 Tape holder. W. B. Smith. 2,469,247, May 3.
 Tape holder for electrical workers, Belt carried. D. Kienle. 2,470,250, May 17.
 Tape hook. L. J. Fowler. 2,466,405, Apr. 5.
 Tape, Insulating. R. E. Cryor and H. J. Cahill. 2,468,589, Apr. 26.
 Tape, Making adhesive. E. J. Carter. 2,463,244, Mar. 1.
 Tape, Pressure-sensitive adhesive. P. F. Ziegler. 2,481,895, Sept. 13.
 Tape reading control system, Automatic perforated. H. J. Nichols. 2,464,601, Mar. 15.
 Tape reel. C. O. Brustle. 2,465,631, Mar. 29.
 Tape sealer, Portable. W. C. Marsh. 2,487,351, Nov. 1.
 Tape, Sealing and reinforcing. L. Davis and E. C. Tuukkanen. 2,462,037, Feb. 15.
 Tape serving machine. T. H. Krueger. 2,485,002, Oct. 18.
 Tape supporting means for strand covering machines. A. C. Nystrom and W. J. Volckhausen. 2,471,973, May 31.
 Tapes, Making measuring. A. W. Keuffel. 2,471,329, May 24.
 Tapes, Making measuring. A. W. Keuffel. 2,471,395, May 24.
 Tapes, Pressure sensitive adhesive. P. F. Ziegler. 2,481,896, Sept. 13.
 Taping and pressing seams. J. M. Calder. 2,487,421, Nov. 8.
 Taping machine. C. A. Olsen. 2,464,602, Mar. 15.
 Taping machine. A. F. Shields. 2,467,275, Apr. 12.
 Taper pipe thread gauge. M. E. Steczynski. 2,487,677, Nov. 8.
 Taper sided split rings, Lapping. J. W. Howlett and A. J. Woolcott. 2,474,358, June 28.
 Taper snap switch. J. H. Schellman. 2,466,970, Apr. 12.
 Tapered ground joints, Making. W. O. Luertzing. 2,475,431, July 5.
 Tapered-pole-face generator. C. A. Atwell and W. A. Brecht. 2,465,186, Mar. 22.
 Tappet-actuating member. J. R. Waidelich. 2,458,752, Jan. 11.
 Tappet construction. C. E. Johnson. 2,468,332, Apr. 26.
 Tappet holding wrench. C. E. Johnson. 2,468,983, May 3.
 Tappet, Self-adjusting. J. N. Paquin. 2,460,651, Feb. 1.
 Tappets, Making. W. D. Corlett. 2,467,079, Apr. 12.
 Target, Adjustable. L. Croteau. 2,481,724, Sept. 13.
 Target, Aerial reflecting signal. J. G. Sperling. 2,489,337, Nov. 29.
 Target, Aerial tow. L. S. Jessen. 2,487,055, Nov. 8.
 Target, Antiaircraft. L. S. Cotten. 2,483,402, Oct. 4.
 Target, Ball. W. Barto. 2,469,061, May 3.
 Target, Disappearing. E. G. Memmel. 2,486,860, Nov. 1.
 Target, Droppable figure. J. S. and R. M. Guarino. 2,490,432, Dec. 6.
 Target electrodes, Manufacturing. A. Rose. 2,473,220, June 14.
 Target element, Golf practice. P. H. Brown. 2,490,409, Dec. 6.
 Target exchanger. L. S. Jessen. 2,460,294, Feb. 1.
 Target for ball games. R. F. and W. T. Ely. 2,467,549, Apr. 19.
 Target for testing the resolving power of the human eye. C. F. Shepard. 2,463,813, Mar. 8.
 Target, Golf putting. R. E. Watkins. 2,459,559, Jan. 18.
 Target, Gunnery. F. L. Fleming. 2,490,793, Dec. 13.
 Target, High capacitance. S. V. Forgue. 2,489,127, Nov. 22.
 Target, Horseshoe game. J. L. Decker. 2,468,428, Apr. 26.
 Target, Impaling pin. G. Greenberg. 2,488,059, Nov. 15.
 Target, Indicating archery. G. H. Havey. 2,487,871, Nov. 15.
 Target indicator. A. C. Stephens. 2,486,503, Nov. 1.
 Target machine, Automatic. J. R. Connelly. 2,466,686, Apr. 12.
 Target member, Wheel type. C. W. Howard. 2,468,979, May 3.
 Target, Modulated reflecting-resonant. E. J. Istvan. 2,462,102, Feb. 22.
 Target, Moving. J. Hanson. 2,479,354, Aug. 16.
 Target, Parachute. H. Goldstein. 2,481,507, Sept. 13.
 Target, Rocket. J. B. Edson. 2,485,870, Oct. 25.
 Target, Simulated bowling. S. W. Smith. 2,478,134, Aug. 2.
 Target stage, Adjustable. H. Katz. 2,473,651, June 21.
 Target unit, Flying. L. A. Skinner. 2,482,130, Sept. 20.
 Tea and coffee service, Individual. P. O. Chaudron. 2,469,032, May 3.
 Tea bag. W. R. Shaw. 2,466,281, Apr. 5.
 Tea bag and buffet tongs. J. F. Perry, Jr. 2,484,461, Oct. 11.
 Teakettle, Electric. G. H. Brown. 2,489,560, Nov. 29.
 Tearing and dividing equipment. H. H. Vickers. 2,462,692, Feb. 22.
 Technique for isolating submill. H. Lineweaver, A. A. Klose, and G. Alderton. 2,481,763, Sept. 13.
 Tee, Automatic. D. Bauer. 2,464,550, Mar. 15.
 Teetering device. E. H. Loker. 2,471,572, May 31.
 Telautograph system. L. Rosen. 2,462,904, Mar. 1.
 Telebinocular with ortho trainer, Ophthalmic. H. S. Alexander. 2,491,242, Dec. 13.
 Telecommunication system. G. Deakin. 2,484,080, Oct. 11.
 Telefacsimile phasing arrangement for multiple reception. B. F. Grib. 2,490,126, Dec. 6.

- Telegraph instrument. L. L. Dow. 2,481,091, Sept. 6.
 Telegraph messages, Switching of. J. W. Milnor. 2,472,608, June 7.
 Telegraph repeater, one or more code combinations per start-stop cycle, Regenerative. W. M. Bacon. 2,484,066, Oct. 11.
 Telegraph repeater utilizing an impulse generator, Regenerative. W. T. Rea. 2,487,181, Nov. 8.
 Telegraph service equipment. R. J. Wise and G. H. Ridings. 2,478,218, Aug. 9.
 Telegraph signal distortion measuring apparatus and system. W. T. Rea. 2,480,878, Sept. 6.
 Telegraph system. M. T. Goetz. 2,482,264, Sept. 20.
 Telegraph system. G. C. Hartley and W. J. Reynolds. 2,468,065, Apr. 26.
 Telegraph system. G. G. Light and R. E. Hanford. 2,462,112, Feb. 22.
 Telegraph system, Automatic multiplesstage. H. D. Colman. 2,472,885, June 14.
 Telegraph system, Divided channel. L. M. Potts. 2,487,178, Nov. 8.
 Telegraph system, Phase reversal. R. P. Leroy. 2,471,333, May 24.
 Telegraph system, Printing. J. B. Moore. 2,471,076, May 24.
 Telegraph system, Printing. B. W. Roth and J. R. Robertella. 2,490,476, Dec. 6.
 Telegraph system, Secret. W. M. Bacon. 2,463,236, Mar. 1.
 Telegraph system, Secret. S. I. Cory. 2,463,248, Mar. 1.
 Telegraph system, Secret. J. W. Dehn. 2,466,390, Apr. 5.
 Telegraph system with code conversion and error detection. H. V. Higgett. 2,473,202, June 14.
 Telegraph system with number transmitter, Plural transmitter. R. G. Schuler. 2,487,186, Nov. 8.
 Telegraphic receiving apparatus. L. C. Olsen. 2,466,471, Apr. 5.
 Telephaphone. T. M. Shrader. 2,463,001, Mar. 1.
 Telephaphy, Frequency shift. J. L. Finch. 2,492,791, Dec. 27.
 Telemeter receiver, Self-positioning circuit balancing. R. G. Jewell. 2,484,569, Oct. 11.
 Telemetering system. B. E. Lenehan. 2,465,241, Mar. 22.
 Telemetering system. A. A. and M. F. Sweeny. 2,491,591, Dec. 20.
 Telemetering system, Electron beam. C. R. Schafer. 2,465,277, Mar. 22.
 Telemetering system for transmitting indications of movements. J. Razeck. 2,469,744, May 10.
 Telemetric device. H. H. Johnson. 2,459,704, Jan. 18.
 Telemetric receiver, Self-balancing. P. A. Borden and G. M. Thynell. 2,465,191, Mar. 22.
 Telemetric system. G. M. Giannini. 2,475,232, July 5.
 Telemetric system. H. D. Giffen and T. B. Thomson, Jr. 2,466,803-4, Apr. 12.
 Telemetric system. W. H. T. Holden. 2,486,784, Nov. 1.
 Telephone calling system, Automatic. G. Zahner and G. Chèrouvrier. 2,491,790, Dec. 20.
 Telephone circuit. A. Lesti. 2,487,455, Nov. 8.
 Telephone connection between exchanges of the decimal step-by-step type and the nondecimal reverte impulse control type. J. W. McClew and O. A. Pearce. 2,467,490, Apr. 19.
 Telephone, Electromagnetic soundpowered. G. L. Dimmick. 2,474,197, June 21.
 Telephone exchange, Electronic. E. M. Deloraine and D. H. Ransom. 2,492,136, Dec. 27.
 Telephone exchanges employing nonnumerical switches for interconnecting local lines, and for interconnecting local lines and trunk lines, Private automatic. J. H. Voss. 2,486,231, Oct. 25.
 Telephone extension, Portable. J. D. Wiener. 2,488,153, Nov. 15.
 Telephone for loud traffic, Remote-controlled automatic. O. Tschumi. 2,470,590, May 17.
 Telephone handset, Electrodynamic. C. Beckman and I. Zambakian. 2,482,148, Sept. 20.
 Telephone holder. A. O. Bonecutter. 2,481,387, Sept. 6.
 Telephone mouthpiece voice silencer with plural silencing chambers. L. S. Scher. 2,478,783, Aug. 9.
 Telephone ringing current generator. H. M. Huges. 2,461,547, Feb. 15.
 Telephone set. H. P. Boswau and A. C. Reid. 2,492,375, Dec. 27.
 Telephone set, E. L. Earle. 2,478,469, Aug. 9.
 Telephone set with low acoustic coupling, Loud-speaking. E. S. Peterson. 2,483,231, Sept. 27.
 Telephone subscriber's stepping switch. C. Marble. 2,477,259, July 26.
 Telephone substitution apparatus. E. A. Bescherer. 2,487,016, Nov. 1.
 Telephone support. J. Fallek. 2,488,181, Nov. 15.
 Telephone system. E. Coht. 2,468,040, Apr. 26.
 Telephone system. B. C. Groh. 2,465,372, Mar. 29.
 Telephone system arranged for voice frequency signaling. B. McKim and J. L. Merrill, Jr. 2,484,234, Oct. 11.
 Telephone system, Automatic. J. I. Bellamy. 2,485,351, Oct. 18.
 Telephone system, Automatic. M. E. Maloney and F. F. Shipley. 2,468,300, Apr. 26.
 Telephone system, Automatic. A. C. Reid and J. M. Blackhall. 2,485,986, Oct. 25.
 Telephone system, Automatic restricted service. C. E. Lomax. 2,490,221, Dec. 6.
 Telephone system, Automatic toll-ticketing. R. F. Stehlik. 2,486,722, Nov. 1.
 Telephone system having code call facilities. O. A. Pearce. 2,491,903, Dec. 20.
 Telephone system, Mobile. L. R. Jacobsen. 2,481,516, Sept. 13.
 Telephone system, Multioffice. F. P. Gohorel. 2,468,057, Apr. 26.
 Telephone system, Multiple modulation carrier frequency. J. L. Hurault. 2,468,555, Apr. 26.
 Telephone system, Party line. W. Hatton. 2,490,054, Dec. 6.
 Telephone system, Power line carrier frequency. J. W. Emling. 2,484,211, Oct. 11.
 Telephone system, Time division carrier multiplex. J. H. Homrighous. 2,472,705, June 7.
 Telephone test system, Operator controlled. R. J. Curtis and J. Miller. 2,488,808, Nov. 22.
 Telephonic messages, Recording. B. Silvermaster. 2,476,327, July 19.
 Teleprinter. A. E. Thompson and R. D. Salmon. 2,483,446, Oct. 4.
 Telescope mounting. J. Unertl and J. Unertl, Jr. 2,491,431, Dec. 13.
 Telescope objective having three air spaced components, Apochromatic. M. J. Herzberger and H. O. Hoadley. 2,487,873, Nov. 15.
 Telescope, Panoramic. G. Rattray. 2,488,239, Nov. 15.
 Telescope, Prismatic. E. F. Flint. 2,463,959, Mar. 8.
 Telescope reticle. D. B. McCall. 2,464,521, Mar. 15.
 Telescope with achromatic eyelens. C. D. Hillman. 2,489,578, Nov. 29.
 Telescopic objective of the Cassegrainian type, Reflecting. A. A. Ackerman. 2,485,345, Oct. 18.
 Telescopic sight protector. E. H. Halvorson. 2,488,188, Nov. 15.
 Telescopic stand leg, Self-locking. R. Polleau. 2,476,216, July 12.
 Telescopic structure. G. O. Benson. 2,461,625, Feb. 15.
 Telescoping collapsible chair. F. J. Becker. 2,473,090, June 14.
 Telescoping structure. G. O. Benson. 2,483,395-6, Oct. 4.
 Telescoping tractor and horse-drawn hitch, Combination. E. M. O'Donnell. 2,469,514, May 10.
 Telescoping tube screw jack. C. A. Snyder. 2,458,961, Jan. 11.
 Telesismic detecting, signaling, and recording. R. L. Airingdale. 2,482,233, Sept. 20.
 Teletypewriter exchange system. K. W. Richards. 2,473,346, June 14.
 Teletypewriter system, Intercommunicating. W. M. Bacon. 2,465,507, Mar. 29.
 Teletypewriter system, Intercommunication. W. M. Bacon and C. R. Walker. 2,471,712, May 31.
 Television and pulse modulated sound system. N. H. Young, Jr. 2,477,679, Aug. 2.
 Television and pulse modulated sound system, Multiplex. E. Labin. 2,477,625, Aug. 2.
 Television apparatus. D. Jackson. 2,479,494, Aug. 16.
 Television apparatus, Color. R. E. Schensted. 2,479,517, Aug. 16.
 Television camera tube. T. C. King and J. E. Drummond. 2,490,734, Dec. 6.
 Television, Color. P. C. Goldmark. 2,466,021, Apr. 5.
 Television, Color. P. C. Goldmark. 2,480,571, Aug. 30.
 Television, Color. D. D. Grieg. 2,465,371, Mar. 29.
 Television, Color. H. E. Legler. 2,465,652, Mar. 29.
 Television, Color. L. W. Parker. 2,477,645, Aug. 2.
 Television, Color. O. H. Schade. 2,458,649, Jan. 11.
 Television, corrector plates, Grinding. W. Buchele. 2,479,204, Aug. 16.
 Television device, Color. C. W. Geer. 2,480,848, Sept. 6.
 Television pickup tube. A. Rose. 2,458,205, Jan. 4.
 Television picture mixing circuit. W. Ussler, Jr. 2,490,561, Dec. 6.
 Television projector, Folded Schmidt. P. M. van Alphen. 2,476,124, July 12.
 Television projector with directive screen, Skewed Schmidt. E. H. Traub. 2,466,338, Apr. 5.
 Television receiver and picture projector, Combination. N. H. Young, Jr. 2,474,297, June 28.
 Television receiver, Frequency modulation. V. J. Duke and R. W. Clark. 2,480,913, Sept. 6.
 Television receiver horizontal deflection. H. Shaw. 2,482,737, Sept. 20.
 Television receiver including a horizontal oscillator responsive to a predetermined fraction of transmitted synchronizing pulses. D. C. Espley. 2,468,256, Apr. 26.
 Television sets, Still projector simulating. I. Asherman. 2,477,032, July 26.
 Television system, Color. A. B. Bronwell. 2,461,515, Feb. 15.
 Television system, Color. T. W. Chew. 2,473,276, June 14.
 Television system, Color. H. B. DeVore. 2,479,820, Aug. 23.
 Television system, Color. G. Valensi. 2,492,926, Dec. 27.
 Television system, Invisible light. W. A. R. Malm. 2,458,865, Jan. 11.
 Television tube support. H. E. Hinz. 2,484,345, Oct. 11.

- Telltale for frozen food packages. K. J. Chase. 2,460,215, Jan. 25.
- Temperature control. L. M. Puster. 2,466,865, Apr. 12.
- Temperature control. J. J. Root. 2,489,049, Nov. 22.
- Temperature control apparatus, Automatic. D. S. Hersey and A. A. Brown. 2,460,748, Feb. 1.
- Temperature control, Automatic. T. J. Lehan and E. H. Burgess. 2,488,209, Nov. 15.
- Temperature control, Automatic water. R. F. Atkinson and J. J. Coile. 2,488,048, Nov. 15.
- Temperature control, Automatic water. J. R. Hassell. 2,471,371, May 24.
- Temperature control device, Engine. R. W. Fernstrum. 2,457,991, Jan. 4.
- Temperature control, Electric. H. W. A. Chalberg. 2,475,309, July 5.
- Temperature control for highly exothermic reactions. W. G. Schermann and K. J. Nelson. 2,481,245, Sept. 6.
- Temperature control for railway coaches. T. J. Lehan and E. H. Burgess. 2,478,588, Aug. 9.
- Temperature control for warming blankets and the like, Electronic. A. J. Huck. 2,490,965, Dec. 13.
- Temperature control for weighing scales. L. S. Williams. 2,482,047, Sept. 13.
- Temperature control means. W. K. Lewis, Jr. 2,474,583, June 28.
- Temperature control switch. R. K. Shewmon and I. M. Levy. 2,487,276, Nov. 8.
- Temperature control system. R. P. Burleigh, Jr. 2,488,580, Nov. 22.
- Temperature control system. W. A. Ray. 2,491,690, Dec. 20.
- Temperature control system, Automatic. A. S. Fitz Gerald. 2,477,728, Aug. 2.
- Temperature control, Weighted average. T. J. Lehan and E. H. Burgess. 2,476,199, July 12.
- Temperature controlled crystal holder. S. B. Eaton. 2,462,850, Mar. 1.
- Temperature controller, millivoltmeter type, Automatic. R. A. Terry. 2,468,138, Apr. 26.
- Temperature equalizing system for enclosed spaces. L. H. Gillick and T. J. Lehan. 2,488,185, Nov. 15.
- Temperature indicator. E. L. Tornquist and W. S. Guyot. 2,490,933, Dec. 13.
- Temperature probe of the thermocouple type. W. R. Polye and W. E. Brandau. 2,483,350, Sept. 27.
- Temperature regulating apparatus, Electrical. N. R. Davis. 2,481,401, Sept. 6.
- Temperature regulating system. C. L. Mershon. 2,465,312, Mar. 22.
- Temperature regulator. C. D. Branson. 2,463,599, Mar. 8.
- Temperature regulator. W. W. Carson, Jr. 2,463,598, Mar. 8.
- Temperature regulator. W. M. Watkins, Jr. 2,489,209, Nov. 22.
- Temperature responsive apparatus. G. K. Newell. 2,477,819, Aug. 2.
- Temperature responsive control. F. C. Brockman. 2,489,854, Nov. 29.
- Temperature sensitive variable inductance. A. G. Stimson. 2,460,773, Feb. 1.
- Temperatures by ventilation, Equalizing. R. Stevenson. 2,477,152, July 26.
- Temperatures, Controlling reaction. E. V. Murphree. 2,459,836, Jan. 25.
- Tempering apparatus. C. A. Baker and R. A. Hinkley. 2,484,925, Oct. 18.
- Template. I. L. Pressman. 2,487,944, Nov. 15.
- Template, Drafting. R. H. Meckley. 2,465,167, Mar. 22.
- Template, Draftsman's. C. S. Agrillo. 2,478,071, Aug. 2.
- Template holding device for rotary boring mills or the like. K. C. Overholt. 2,468,307, Apr. 26.
- Template, Tile setting. C. Sykes. 2,466,919, Apr. 12.
- Temple of unbreakable glass, Spectacle. E. H. Moseley. 2,474,856, July 5.
- Templet cover or pie and cake cutting guide and cover. H. F. Gore. 2,487,234, Nov. 8.
- Temporary tie support. E. E. Hayton. 2,465,589, Mar. 29.
- 10,11-dihydro-7-r-phenanthro-[2,1-d] isoxazoles, and products of such process, Preparing. W. S. Johnson, J. W. Petersen, and C. D. Gutsche. 2,470,777, May 24.
- Ten key entry mechanism. H. T. Avery. 2,459,862, Jan. 25.
- Tender bin discharge means. E. Martin. 2,492,102, Dec. 20.
- Tendering machine, Meat. H. Stukart. 2,482,991, Sept. 27.
- Tenderizing method and apparatus. L. J. Menges. 2,492,308, Dec. 27.
- Tennis racket. W. T. Brown. 2,481,075, Sept. 6.
- Tensiometer. E. A. Black. 2,490,773, Dec. 13.
- Tensiometer. J. J. Boulin. 2,472,142, June 7.
- Tensiometer. R. S. Neiswander. 2,472,845, June 14.
- Tensiometer, Cable. A. Boos. 2,471,999, May 31.
- Tension control. W. C. Ewaldson. 2,475,426, July 5.
- Tension control apparatus. J. W. Olson and C. W. Bechle. 2,462,766, Feb. 22.
- Tension control for looms, Warp. J. D. Skeer, O. L. Russell, and E. J. Wilson. 2,475,059, July 5.
- Tension device. J. A. Pons. 2,472,614, June 7.
- Tension device for rubber covering machines. O. F. Neidel. 2,462,043, Feb. 15.
- Tension device for thread handling machines. F. E. Cole. 2,465,356, Mar. 29.
- Tensioner, Chain. J. C. Haefeli. 2,492,219, Dec. 27.
- Tensioning and pressure mechanism, Web. H. L. Haswell. 2,460,694, Feb. 1.
- Tensioning device for chain saws, Saw chain. L. Eriksson. 2,487,322, Nov. 8.
- Tensioning device for producing a linear pull. H. De Haven. 2,483,088, Sept. 27.
- Tensioning device, for reels, Automatic. S. Schnell. 2,472,548, June 7.
- Tensioning device, Yarn. E. Richter. 2,462,288, Feb. 22.
- Tensioning means for belt conveyers, Automatic. J. H. Holstein. 2,463,273, Mar. 1.
- Tent, Automobile. L. R. Smelker. 2,483,478, Oct. 4.
- Tent frame. B. L. Denn. 2,488,809, Nov. 22.
- Tent, Vehicle supported. W. L. Ripley. 2,480,509, Aug. 30.
- Tenter clip. M. G. Hinnekens. 2,472,375, June 7.
- Tentering machine. J. A. Grundy. 2,482,270, Sept. 20.
- Terephthalic acid, Preparation of. W. F. Gresham. 2,479,067, Aug. 16.
- Terminal, Battery. F. Akin. 2,462,453, Feb. 22.
- Terminal block. C. B. Backer. 2,472,738, June 7.
- Terminal block and safety light for electric surface cooking units. A. H. Kitson. 2,492,100, Dec. 20.
- Terminal, Bonded. S. Di Vita. 2,466,012, Apr. 5.
- Terminal, Clamp type electrical. G. Novello. 2,477,642, Aug. 2.
- Terminal construction. H. M. Teague. 2,491,879, Dec. 20.
- Terminal, Electric. R. T. Cusato. 2,475,448, July 5.
- Terminal, Electrical outlet. B. P. McKinley. 2,459,832, Jan. 25.
- Terminal for thermionic tubes, Contact. F. S. Stickney. 2,480,059, Aug. 23.
- Terminal, Insulated. E. Mosthaf. 2,485,629, Oct. 25.
- Terminal loop former, Wire. C. L. Sherman. 2,458,536, Jan. 11.
- Terminal means for electrical devices. C. L. Jaus. 2,459,943, Jan. 25.
- Terminal mounting electric fitting. W. H. Cook. 2,482,966, Sept. 27.
- Terminal plug. E. E. Granger. 2,490,429, Dec. 6.
- Terminal protector. J. J. Paterno. 2,484,726, Oct. 11.
- Terminal seal, Tubular heater. A. P. Charbonneau. 2,480,903, Sept. 6.
- Terminal, Snap type wire. S. W. Buckley. 2,487,521, Nov. 8.
- Terminals for electrical conductors, Soldering. R. Martinez. 2,483,424, Oct. 4.
- Termination for coaxial cables. Le R. W. Kelsay. 2,475,787, July 12.
- Termination for electric discharge lamps. G. C. Salneu. 2,486,497, Nov. 1.
- Terminus for concentric transmission lines. F. S. Mabry. 2,465,245, Mar. 22.
- Ternary copolymers and casting of films thereof. E. L. Fiedler. 2,476,967, July 26.
- Ternary interpolymers of vinylidene chloride, alpha-methyl styrene and acrylonitrile. G. W. Stanton and C. E. Lowry. 2,480,680, Aug. 30.
- Terpene alcohols, Preparation of. M. Hunt. 2,460,291, Feb. 1.
- Terpene phenols, Preparation of. A. L. Rummelsburg. 2,471,453, May 31.
- Terpene phenols, Preparation of. A. L. Rummelsburg. 2,471,455, May 31.
- Terpene resins. A. L. Rummelsburg. 2,487,898, Nov. 15.
- Terpene resins, Making. F. W. Corkery and S. G. Burroughs. 2,483,124, Sept. 27.
- Terpene resins, Preparation of. A. L. Rummelsburg. 2,475,201, July 5.
- Terra-cotta flue liner circle cutter. S. J. Little. 2,468,504, Apr. 26.
- Tertiary alkyl amides, Making. M. T. Harvey and S. Caplan. 2,461,509, Feb. 15.
- Tertiary alkyl sulfenamides, Preparation of. L. T. Eby. 2,474,237, June 28.
- Tertiary base olefins, Recovery of. R. A. Findlay. 2,466,092, Apr. 5.
- Test apparatus, Electrical. M. F. Bates. 2,459,142, Jan. 18.
- Test board apparatus, Primary electrical training. A. E. Roane. 2,477,653, Aug. 2.
- Test bottle, Bacteriological. A. A. Hirsch. 2,476,093, July 12.
- Test circuit. H. D. Hagstrum. 2,482,173, Sept. 20.
- Test device, Illuminated. M. Weincord. 2,459,351, Jan. 18.
- Test for capacitors, Dielectric strength. A. J. Deyrup. 2,474,415, June 28.
- Test probe for radio apparatus and the like, Composite. J. F. Rider. 2,488,328, Nov. 15.
- Tester and indicator, High-voltage. E. V. Sundt. 2,474,073, June 21.
- Tester, Brake. J. Myer. 2,479,768, Aug. 23.
- Tester, Bridge-type hardness. D. F. Sklar. 2,473,179, June 14.
- Tester, Condenser. R. J. Swanfelt. 2,488,691, Nov. 22.
- Tester, Cream sediment. N. C. Kottkamp and P. J. Bailey. 2,487,248, Nov. 8.

- Tester, Drill stem. A. S. Parks. 2,458,631, Jan. 11.
 Tester, Flexibility. M. L. Anderson. 2,473,841, June 21.
 Tester for bearings. H. Gisser. 2,471,423, May 31.
 Tester for controlling recirculation of material in drying apparatus, Moisture. A. B. Welty. 2,474,204, June 21.
 Tester for electronic discharge devices. E. R. Sanders. 2,485,924, Oct. 25.
 Tester, Hardness. C. V. Kent. 2,491,667, Dec. 20.
 Tester, Hardness. W. F. Klemm. 2,483,495, Oct. 4.
 Tester, Hardness. W. A. Williams. 2,466,567, Apr. 5.
 Tester, Ignition. C. W. McCoy. 2,482,016-17, Sept. 13.
 Tester, Knife sharpness. E. W. Vars. 2,472,994, June 14.
 Tester, Magneto. S. Casper. 2,460,676, Feb. 1.
 Tester, Microphonics. J. E. Sterner. 2,458,033, Jan. 4.
 Tester, Moisture. J. Pollock. 2,491,689, Dec. 20.
 Tester, Photographic synchronizer. J. E. Wilcox, Jr. 2,461,403, Feb. 8.
 Tester, Relay. E. Rose. 2,478,945-6, Aug. 16.
 Tester, Shaft trueness. A. Kloos. 2,470,404, May 17.
 Tester, Shear tenderness. C. E. Kerr. 2,473,063, June 14.
 Tester, Smokeless powder. C. N. Hickman and A. J. Dempster. 2,464,179, Mar. 8.
 Tester, Spring. H. M. Smith. 2,467,539, Apr. 19.
 Tester, Tire tube. W. Abner. 2,458,126, Jan. 4.
 Tester, Underwater bottom hardness. R. F. Shropshire. 2,477,094, July 26.
 Tester, Voltage. L. L. Simkins. 2,479,186, Aug. 16.
 Testing and adjustment mechanism, Hairspring. R. Olinger. 2,476,761, July 19.
 Testing and indicating system, Electrical. E. C. Pyatt and K. C. A. King. 2,482,932, Sept. 27.
 Testing and operating table for fowls. D. A. Hayes. 2,484,088, Oct. 11.
 Testing and protection of electrical distribution systems. R. Scheirmann. 2,459,186, Jan. 18.
 Testing apparatus and control circuits therefor, Pressure. H. W. Hoffman and G. H. Helmer. 2,472,973, June 14.
 Testing apparatus and magazine therefor, Watch balance. W. Kohlhaagen. 2,474,947, July 5.
 Testing apparatus, Breakdown. L. V. Michal. 2,478,414, Aug. 9.
 Testing apparatus, Circuit. E. L. Clemens. 2,457,869, Jan. 4.
 Testing apparatus, Compression. L. V. Robinson. 2,474,118, June 21.
 Testing apparatus, Cord. I. B. Prettyman, G. P. Bosomworth, and D. C. Milner. 2,459,738, Jan. 18.
 Testing apparatus, Diffusion tube. P. F. Morgan. 2,480,665, Aug. 30.
 Testing apparatus, Electrical insulation. S. G. Lutz. 2,460,835, Feb. 8.
 Testing apparatus for elastomeric material. H. H. Bashore. 2,482,147, Sept. 20.
 Testing apparatus, Ignition timer. F. J. Foust, O. W. Childress, Jr., and R. C. Wheelchel. 2,484,560, Oct. 11.
 Testing apparatus, Impulse. F. Kessler. 2,486,172, Oct. 25.
 Testing apparatus, Izod-charpy. A. Sonntag. 2,476,634, July 19.
 Testing apparatus, Magnetic. J. C. Sellars. 2,469,476, May 10.
 Testing apparatus, Microphonism. R. E. Schell. 2,487,599, Nov. 8.
 Testing apparatus, Pulse echo. N. Bishop. 2,489,075, Nov. 22.
 Testing apparatus, Static balance. F. A. Gruetjen. 2,463,102, Mar. 1.
 Testing apparatus, Tube. R. E. Burchell. 2,492,733, Dec. 27.
 Testing apparatus, Tube. P. Warren. 2,458,814, Jan. 11.
 Testing appliance, Balance. I. A. Weaver and C. H. Phelps. 2,486,896, Nov. 1.
 Testing appliance, Balance. I. A. Weaver and C. H. Phelps. 2,487,035, Nov. 1.
 Testing automobile ignition distributors. L. Porse. 2,490,374, Dec. 6.
 Testing camera synchronizers. H. D. Simons. 2,461,848, Feb. 15.
 Testing circuit. M. J. Stateman. 2,459,849, Jan. 25.
 Testing color vision. E. Freeman. 2,462,485, Feb. 22.
 Testing crease resistance, Method of and device for. R. D. De Waard and C. R. Stock. 2,482,470, Sept. 20.
 Testing device, Balance. C. G. Sutton. 2,481,256, Sept. 6.
 Testing device, Bearing. E. J. Abbott, L. W. Chaney, and E. B. Bragg. 2,468,648, Apr. 26.
 Testing device, Brake. A. N. Milster. 2,472,541, June 7.
 Testing device, Brake. A. N. Milster. 2,486,965, Nov. 1.
 Testing device, Electrical. A. Samstag. 2,463,567, Mar. 8.
 Testing device, Electrical meter. O. W. Hetzler, C. A. Sloan, and L. W. Jones. 2,486,651, Nov. 1.
 Testing device for attachment to flashlights, Electrical. G. C. Zachae. 2,468,910, May 10.
 Testing device for camera synchronizers. P. K. McGall. 2,475,104, July 5.
 Testing device for electric lamps, fuses, and the like. J. Briaño. 2,478,999, Aug. 16.
 Testing device for filamentary material. D. Taylor and E. R. Ward. 2,472,927, June 14.
 Testing device for plungers and barrels, Fluid. T. H. Dwyer and W. H. Dildine. 2,468,050, Apr. 26.
 Testing device, Gas. H. A. Wintermute. 2,484,202, Oct. 11.
 Testing device, Inner tube. L. H. Wink. 2,459,606, Jan. 18.
 Testing device, Insulation. W. D. Boynton, C. E. Lewis, and G. R. Page. 2,488,578, Nov. 22.
 Testing device, Lens. F. C. Black. 2,481,716, Sept. 13.
 Testing device, Magnetic. W. B. Ellwood. 2,461,202, Feb. 8.
 Testing device, Pressure. D. Sexton. 2,477,663, Aug. 2.
 Testing device, Radio-frequency. P. H. Greeley. 2,471,033, May 24.
 Testing device, Razor blade. E. D. Hallock. 2,469,385, May 10.
 Testing device, Reversible magneto. C. G. Abbott. 2,463,134, Mar. 1.
 Testing device, Shock. E. R. Harris. 2,476,297, July 19.
 Testing direction finders, Method and apparatus for. S. D. Browning. 2,468,028, Apr. 26.
 Testing electrode. C. J. Schmid and W. J. Koch. 2,474,638, June 28.
 Testing ignitions, Method of and apparatus for. W. M. Bauer. 2,458,974, Jan. 11.
 Testing instrument, Electrical. J. H. Runbaken. 2,476,115, July 12.
 Testing machine, Adhesion. D. M. Freedman. 2,473,517, June 21.
 Testing machine, Cartridge extractor. N. P. Holcomb. 2,460,290, Feb. 1.
 Testing machine, Fatigue. B. J. Lazan. 2,486,567, Nov. 1.
 Testing machine, Materials. A. Sonntag. 2,460,771, Feb. 1.
 Testing machine, Projectile. A. V. Masket, L. B. Snoddy, and J. W. Beams. 2,478,663, Aug. 9.
 Testing machine, Tenderness. O. T. Bloom and R. C. Wanty. 2,481,467, Sept. 6.
 Testing machine, Vibration. R. O. Hein. 2,466,807, Apr. 12.
 Testing mechanism for photographic flash lamps. A. L. Lidfeldt and C. R. Pickens. 2,467,591, Apr. 19.
 Testing molding sand and apparatus therefor. W. H. Moore. 2,491,512, Dec. 20.
 Testing of solutions. F. J. Cahn. 2,471,861, May 31.
 Testing phase angle and injection periods of fuel injection pumps. L. Hartridge. 2,470,351, May 17.
 Testing plating solutions. J. S. Buser. 2,464,846, Mar. 22.
 Testing pocket, Can. J. Simpson. 2,484,317, Oct. 11.
 Testing reduced scale patterns of engineering works. E. Montagné. 2,482,861, Sept. 27.
 Testing system and method. E. E. Mott. 2,465,468, Mar. 29.
 Testing system, Electrical. L. Himmel. 2,492,150, Dec. 27.
 Testing system for selector switches. W. R. Luther. 2,479,073, Aug. 16.
 Testing system, Leakage. C. S. Mertler. 2,467,767, Apr. 19.
 Testing system, Magnetic. M. L. Mages. 2,481,937, Sept. 13.
 Testing system, Radio circuit. R. J. Teetsell. 2,475,649, July 12.
 Testing the potency of a micro-organism inhibitor. J. F. Norton. 2,476,899, July 19.
 Testing thermo-expandable devices, Method and apparatus for. F. B. Hocker. 2,463,106, Mar. 1.
 Testing valves for sodium content, Method and apparatus for magnetically. R. D. McDill. 2,467,562, Apr. 19.
 Testing with artificial standard, Magnetic. T. Zuschlag. 2,470,839, May 24.
 Tethering device. E. H. Ashbaugh. 2,481,559, Sept. 13.
 Tethering device for airplanes. J. Martin. 2,469,659, May 10.
 Tethering post. M. Sullivan. 2,472,926, June 14.
 Tetraalkyl phenyl triphosphates. G. M. Kosolapoff. 2,479,938, Aug. 23.
 Tetraalkyl pyrophosphates, Making. G. M. Kosolapoff. 2,479,939, Aug. 23.
 Tetraalkylsilicates, Solutions of. H. R. Moulton. 2,482,684, Sept. 20.
 Tetrachlorodifluoroethane, Making. J. D. Calfee and P. A. Florio. 2,469,290, May 3.
 Tetrachlorophthalic diesters. G. J. Bohrer. 2,462,601, Feb. 22.
 Tetrachlorothiophene, Preparation of. H. L. Coonradt and H. D. Hartough. 2,492,624, Dec. 27.
 Tetraethyl lead, Manufacturing. W. J. Clem. 2,464,399, Mar. 15.
 Tetraethyl lead, Manufacturing. W. J. Clem and R. J. Plunkett. 2,464,398, Mar. 15.
 Tetraethyl lead, Manufacturing. G. E. Holbrook. 2,464,397, Mar. 15.
 Tetraethyl lead, Manufacturing. R. J. Plunkett. 2,477,465, July 26.
 Tetrafluoroethylene copolymers. W. E. Hanford and J. R. Roland, Jr. 2,468,664, Apr. 26.
 Tetrahydricyclopentadiene ether compounds and insecticides thereof. G. A. Buntin. 2,492,266, Dec. 27.
 Tetrahydro-1-hydroxy-2- and -3-naphthamidobenzaldehydes and their acetals with lower alkanols and 1,2- and 1,3-alkanediols. E. L. Martin. 2,472,910, June 14.

- Tetrahydrothieno uracils and preparing same. B. R. Baker. 2,492,828, Dec. 27.
- Tetramethyl silicate, Preparation of. E. G. Rochow. 2,473,260, June 14.
- Tetranitromethane explosives, Making. J. A. Wyler. 2,486,773, Nov. 1.
- Tetrazolyl disulfides as stabilizing agents for silver-halide emulsions. F. Dersch and R. H. Clark. 2,465,149, Mar. 22.
- Textile and making, Treated. E. Zerner and P. I. Polak. 2,489,473, Nov. 29.
- Textile article, Composite. R. Hinchliff. 2,484,293, Oct. 11.
- Textile assistants made from synthetic tanning agents and ammonium compounds. E. Schwager and J. Bindler. 2,482,942, Sept. 27.
- Textile cord and making it. L. G. Henning and F. L. Sessions. 2,485,153, Oct. 18.
- Textile fibrous product. C. S. Francis, Jr. 2,464,301, Mar. 15.
- Textile finishing roll, Rubber-fingered. A. L. Ambye. 2,466,348, Apr. 5.
- Textile material, Patterned. R. L. Hunter and R. D. Cramer. 2,461,603, Feb. 15.
- Textile material, Production of translucent. A. Mellor, R. J. Mann, D. Finlayson, and A. W. Morledge-Hadfield. 2,478,974, Aug. 16.
- Textile materials and making same. E. E. Weiss. 2,483,861, Oct. 4.
- Textile materials, Manufacture of shaped. G. Schneider and A. J. Steinberger. 2,459,291, Jan. 18.
- Textile materials, Manufacturing. R. Cleeland, L. J. Kelley and W. S. Davis. 2,459,620, Jan. 18.
- Textile materials, Protection of cellulosic. F. J. Meyer. 2,480,084, Aug. 23.
- Textile materials, Treatment of. C. Dreyfus, G. W. Seymour, and G. C. Ward. 2,488,588, Nov. 22.
- Textile materials, Treatment of. H. C. Olpin and A. J. Wesson. 2,492,394, Dec. 27.
- Textile materials, Treatment of. D. H. Powers and E. H. Rossin. 2,469,407-9, May 10.
- Textile operation. F. B. Hill and E. T. Hitchin. 2,477,744, Aug. 2.
- Textile products and producing them. C. A. Castellan. 2,476,283, July 19.
- Textile products and production thereof. C. A. Castellan. 2,476,282, July 19.
- Textile strand and fabric, Composite. A. H. Davis. 2,475,083, July 5.
- Textile thread carrier. C. K. Dunlap. 2,470,549, May 17.
- Textile treatment with alkali-zincate solutions of cellulose ethers. S. M. Edelstein. 2,465,520, Mar. 29.
- Textiles and composition thereof, Treatment of. H. L. Van Mater. 2,457,853, Jan. 4.
- Textiles with alkylamidoalkene orthosilicates, Treatment of. E. Zerner and M. Gradsztain. 2,477,779, Aug. 2.
- Textiles with strong hydroxide and acrylonitrile, Treatment of cellulosic. J. W. Stallings. 2,473,308, June 14.
- Thawing system for railway cars. W. C. Elze and A. J. Turpin. 2,489,874, Nov. 29.
- Theft prevention means, Electric current. D. Trompeter. 2,460,553, Feb. 1.
- Theophylline-ethylenediamine compound and preparing same. A. M. Black and J. F. Mahoney. 2,481,715, Sept. 13.
- Therapeutic and diagnostic machine. I. Rehman. 2,477,084, July 26.
- Therapeutic apparatus. C. F. Johnson. 2,489,186, Nov. 22.
- Therapeutic bath. H. E. Stansbury. 2,463,329, Mar. 1.
- Therapeutic compositions, Liquid injectable oil-pectin-drug. H. Welch. 2,491,537, Dec. 20.
- Therapeutic curare preparations, Standardization of. H. A. Holaday. 2,461,278, Feb. 8.
- Therapeutic device. H. W. McCready. 2,465,250, Mar. 22.
- Therapeutic device. H. W. McCready. 2,479,013, Aug. 16.
- Therapeutic device. E. H. Tompkins. 2,488,693, Nov. 22.
- Therapeutic lamp. C. B. Roebken. 2,469,412, May 10.
- Therapeutic material and obtaining the same. E. T. and E. T. Krebs, Jr. 2,464,240, Mar. 15.
- Therapeutic preparations for intramuscular or subcutaneous injection and making the same. J. U. Korée. 2,487,975, Nov. 15.
- Therapeutic sponge and making. J. T. Correll. 2,465,357, Mar. 29.
- Therapeutic substances, Manufacture of. C. A. Hill and H. A. Stevenson. 2,480,367, Aug. 30.
- Therapeutic substances, Preparation of. H. A. Stevenson and W. F. Short. 2,476,925, July 19.
- Therapeutic sulfonamide compositions. D. Lehr. 2,484,174-5, Oct. 11.
- Therapy, Electric convulsive. W. T. Liberson. 2,473,378, June 14.
- Thermal apparatus for compressing gases. V. Bush. 2,461,032, Feb. 8.
- Thermal breaker, Secondary. J. B. Clapp. 2,481,722, Sept. 13.
- Thermal molecular alteration of carbon compounds. P. H. Royster. 2,470,578, May 17.
- Thermal motor protector. M. W. Fish and D. F. Alexander. 2,463,935, Mar. 8.
- Thermal power element, Vapor pressure type. I. W. Cox. 2,484,932, Oct. 18.
- Thermal relay. J. Stoecklin and A. Käch. 2,468,693, Apr. 26.
- Thermal responsive device and mounting therefor. J. A. Senn. 2,487,946, Nov. 15.
- Thermal responsive electric switch. W. R. Blood. 2,488,701, Nov. 22.
- Thermal responsive system. G. Camilli and J. F. McKenney. 2,479,307, Aug. 16.
- Thermal switch. G. C. Armstrong. 2,472,082, June 7.
- Thermal switch. J. R. Barr. 2,480,538, Aug. 30.
- Thermal switch. J. D. Boleky. 2,471,925, May 31.
- Thermal switch. C. M. Osterheid. 2,475,292, July 5.
- Thermally responsive unit. F. R. Higley. 2,487,968, Nov. 15.
- Thermic siphons, Making. R. E. Glos. 2,483,091, Sept. 27.
- Thermionic valve. J. Foster. 2,462,082, Feb. 22.
- Thermionic valve circuit. M. M. Levy. 2,468,087, Apr. 26.
- Thermistor circuit compensating for supply voltage fluctuations. P. K. Chatterjea, L. W. Houghton, and C. T. Scully. 2,468,082, Apr. 26.
- Thermistor, Head. F. H. Drake and P. B. King, Jr. 2,462,369, Feb. 22.
- Thermochemical metal removal. E. Meincke. 2,470,999, May 24.
- Thermochemical powder-scarfing method. E. Meincke. 2,465,978, Mar. 29.
- Thermocouple. H. Szabo. 2,457,941, Jan. 4.
- Thermocouple for coaxial conductors, Impedance matched. P. J. Övrebo. 2,368,775, May 3.
- Thermocouple for concentric lines, High-frequency. W. A. Miller. 2,485,904, Oct. 25.
- Thermocouple for fire detection. D. A. Wrigley. 2,485,468, Oct. 18.
- Thermocouple for fuel burners. W. A. Ray. 2,466,274, Apr. 5.
- Thermocouple for wave guides, High-frequency. W. A. Miller. 2,485,905, Oct. 25.
- Thermocouple, Immersion. G. C. Klingel. 2,490,817, Dec. 13.
- Thermocouple, Immersion. W. F. Richards. 2,463,427, Mar. 1.
- Thermocouple junction with radiation shield. A. I. Dahl. 2,472,808, June 14.
- Thermocouple safety pilot switch. L. A. Matson. 2,458,014, Jan. 4.
- Thermocouple safety pilot switch. J. H. Thornbery. 2,463,216, Mar. 1.
- Thermocouple, Strip-type. C. F. Bachle. 2,476,020, July 12.
- Thermocouple support. J. P. Vollrath. 2,466,137, Apr. 5.
- Thermocouple with radiating fins. G. S. Wickizer and E. N. Brown. 2,473,627, June 21.
- Thermodynamic machine. P. Kollsman. 2,490,064-5, Dec. 6.
- Thermodynamic machine. P. Kollsman. 2,490,067, Dec. 6.
- Thermodynamic properties of fluids, Determining. A. Meyerhoff. 2,482,591, Sept. 20.
- Thermoelectric apparatus. R. H. Postal. 2,477,348, July 26.
- Thermograph. Air. J. Wyman and D. F. Barnes. 2,487,748, Nov. 8.
- Thermohydrometer. L. Edelmann. 2,464,677, Mar. 15.
- Thermomagnetic safety pilot mechanism. T. F. Van Denberg and J. Selby. 2,466,515, Apr. 5.
- Thermometer. R. C. Wappner. 2,482,228, Sept. 20.
- Thermometer. C. L. Wilder and H. A. Klumb. 2,472,996, June 14.
- Thermometer bulb, Resistance. K. J. Knudsen. 2,476,099, July 12.
- Thermometer case. R. Beck. 2,485,690, Oct. 25.
- Thermometer, Faucet. W. Stewart and M. Psilos. 2,489,684, Nov. 29.
- Thermometer having a casing with a magnifying element. W. E. Welch. 2,460,051, Jan. 25.
- Thermometer, Mirror. F. N. Mariani. 2,474,900, July 5.
- Thermometer, Resistance. E. L. Schulman and A. C. Beiler. 2,470,653, May 17.
- Thermometer with heat conductor. E. L. McDonald. 2,471,229, May 24.
- Thermometer with mounting well. R. J. Winning. 2,475,211, July 5.
- Thermometric alarm switch. J. O. Lee. 2,460,134, Jan. 25.
- Thermometric apparatus. L. E. Smith. 2,477,835, Aug. 2.
- Thermopile, Base metal. R. H. Beach. 2,490,196, Dec. 6.
- Thermopile for measuring air temperatures. A. Raspet. 2,472,759, June 7.
- Thermoplastic and thermosetting materials, Preparing and fashioning. F. M. Roddy. 2,478,013, Aug. 2.
- Thermoplastic cement. G. F. Dustin and R. B. Manning. 2,468,594, Apr. 26.
- Thermoplastic composition. W. P. Moeller and J. H. Prichard. 2,490,148, Dec. 6.
- Thermoplastic compositions comprising candelilla wax. H. B. Willis. 2,467,796, Apr. 19.
- Thermoplastic inner soles, Forming. G. C. T. Lindh. 2,481,602, Sept. 13.
- Thermoplastic luggage frame. H. Freeman. 2,471,612, May 31.

- Thermoplastic material, Sealing. J. H. Lloyd, Jr. 2,488,212, Nov. 15.
- Thermoplastic pellets, Manufacturing. H. Gering. 2,464,746, Mar. 15.
- Thermoplastic polysiloxanes, Preparation of. J. F. Hyde and W. H. Daudt. 2,482,276, Sept. 20.
- Thermoplastic sewing thread, Making. W. M. Camp. 2,483,455, Oct. 4.
- Thermostatic control, Refrigeration. S. O. Morrison, B. Barnhart, and E. A. Gott. 2,492,054, Dec. 20.
- Thermostatic element. T. M. Gunn. 2,492,744, Dec. 27.
- Thermosetting polyvinyl acetal composition. R. D. Dunlop. 2,466,399, Apr. 5.
- Thermosetting resin coatings on sheets or films of softer organic plastic materials, Forming optically smooth, scratch-resistant. A. Barnes. 2,481,809, Sept. 13.
- Thermosetting resins, Preparation of water-soluble. R. C. Hesselbart. 2,473,145, June 14.
- Thermosetting synthetic molding composition and its manufacture. H. L. J. Marshall. 2,481,136, Sept. 6.
- Thermostat. H. Rabezzana. 2,476,624, July 19.
- Thermostat, Adjustable. J. L. Schwartz. 2,459,968, Jan. 25.
- Thermostat adjustment indicator. W. E. Jenkins and T. H. Thiele. 2,483,731, Oct. 4.
- Thermostat, Auxiliary space. M. C. Richardson. 2,464,346, Mar. 15.
- Thermostat, Compensating. L. J. Koci. 2,486,714, Nov. 1.
- Thermostat control circuit. T. J. Lehane. 2,485,003, Oct. 18.
- Thermostat control for toasters, Radiation. L. J. Koci. 2,459,169, Jan. 18.
- Thermostat controlled means for maintaining dual temperature in motors. J. Z. Brubaker. 2,468,735, May 3.
- Thermostat, Electric. J. M. Wilson and B. Cyr. 2,485,950, Oct. 25.
- Thermostat, Safety type. C. D. Branson. 2,471,514, May 31.
- Thermostat system, Detachable. C. E. Armstrong. 2,480,827, Sept. 6.
- Thermostat valve. M. L. McConnell. 2,484,180, Oct. 11.
- Thermostatic air control attachment for oil burners. J. W. Schulz. 2,465,125, Mar. 22.
- Thermostatic control. E. F. Kurtz. 2,461,903, Feb. 15.
- Thermostatic control. J. H. Leslie, II. 2,477,757, Aug. 2.
- Thermostatic control. V. G. Vaughan. 2,461,904, Feb. 15.
- Thermostatic control and indicating device. P. R. Lee. 2,467,896, Apr. 19.
- Thermostatic control device. E. H. White. 2,472,638, June 7.
- Thermostatic control valve. P. A. Birchfield. 2,475,540, July 5.
- Thermostatic device. J. O. Yeida. 2,482,232, Sept. 20.
- Thermostatic device of the bimetal strip type. M. Resek and H. B. Townley. 2,465,119, Mar. 22.
- Thermostatic electric switch. B. J. Wilson, R. C. Machler, N. E. Polster, and G. E. R. Murray. 2,471,806, May 31.
- Thermostatic expansion valve. E. J. Dillman. 2,472,149, June 7.
- Thermostatic radiator valve. N. Walker. 2,480,986, Sept. 6.
- Thermostatic switch. S. W. E. Andersson. 2,465,830, Mar. 29.
- Thermostatic switch. P. Andrews. 2,483,484, Oct. 4.
- Thermostatic switch. A. E. Armstrong and W. A. Dehn. 2,464,476, Mar. 15.
- Thermostatic switch. J. B. Bader. 2,484,145, Oct. 11.
- Thermostatic switch. J. D. Bolesky. 2,488,049, Nov. 15.
- Thermostatic switch. R. Rowland. 2,480,216, Aug. 30.
- Thermostatic switch. E. K. Clark. 2,476,083, July 12.
- Thermostatic switch. A. R. De Pascale. 2,488,055, Nov. 15.
- Thermostatic switch. E. G. Lofgren. 2,476,498, July 19.
- Thermostatic switch. S. S. Minnich. 2,460,762, Feb. 1.
- Thermostatic switch. M. E. Porter. 2,474,190, June 21.
- Thermostatic switch. E. Reingruber. 2,483,670, Oct. 4.
- Thermostatic switch. A. R. Sivley. 2,465,664, Mar. 29.
- Thermostatic switch. V. N. Tramontini. 2,488,748, Nov. 22.
- Thermostatic switch. J. W. Tucker. 2,458,807, Jan. 11.
- Thermostatic switch. J. Youhouse. 2,486,365, Oct. 25.
- Thermostatic valve. J. D. Bolesky. 2,479,034, Aug. 16.
- Thermostatic valve. R. C. Johnson. 2,462,198, Feb. 22.
- Thermostatically controlled bath. C. C. Hulbert. 2,480,470, Aug. 30.
- Thermostatically controlled space heater. T. J. Lehane. 2,481,849, Sept. 13.
- Thermostatically controlled valve. M. F. Pravda. 2,486,573, Nov. 1.
- Thermostatically operated electric switch. C. V. Newbill. 2,464,340, Mar. 15.
- Thermostatically operated electric switch. C. V. Newbill. 2,479,179, Aug. 16.
- Thermostatically operated switch. G. W. Crise. 2,473,789, June 21.
- Thermostatically responsive valve. W. Eberhardt. 2,486,706, Nov. 1.
- Thiamin derivatives, Producing. K. Warnat. 2,458,453, Jan. 4.
- Thiamine 2-ethylhexyl sulfate. W. Huber and W. R. Boehme. 2,468,930, May 3.
- Thiazoles and selenazoles with fused-on rings. Production of. E. B. Knott. 2,476,669, July 19.
- Thiazyl sulfenamides. G. E. P. Smith, Jr., and E. L. Carr. 2,459,736, Jan. 18.
- Thickener system, Washing. C. H. Knight. 2,483,648, Oct. 4.
- Thickness gauge. G. H. Rendel. 2,474,117, June 21.
- Thickness measurement. R. A. Heising. 2,484,623, Oct. 11.
- Thienyl mercaptals and mercaptals in lubricating compositions. J. W. Brooks. 2,480,831, Sept. 6.
- Thienylsodium compounds, Production of. J. W. Schick. 2,492,660, Dec. 27.
- Thimble, Piston ring tool. H. M. Bramberry. 2,465,427, Mar. 29.
- Thin microporous silica coatings having reflection reducing characteristics and the articles so coated, Producing. H. R. Moulton. 2,474,061, June 21.
- Thinning and cultivating machine, Plant. D. B. Evans. 2,491,304, Dec. 13.
- Thioacetamides, Preparation of. C. L. Levesque. 2,489,094, Nov. 22.
- Thiocarbamyl chlorides, Manufacture of. E. J. Ritter. 2,466,276, Apr. 5.
- Thiocyanated phosphite esters. W. E. Craig and W. F. Hester. 2,485,573, Oct. 25.
- Thio esters, Basic. E. H. Woodruff. 2,488,253, Nov. 15.
- Thioether sulfonates, Preparation of. C. S. Hollander. 2,480,859, Sept. 6.
- Thioethers and obtaining the same. G. Rieveschl, Jr. 2,483,436, Oct. 4.
- Thioethers of cyclic sulfones, Unsaturated. R. C. Morris, J. L. Van Winkle, and E. C. Shokal. 2,461,339, Feb. 8.
- Thioethers, Preparation of. L. T. Eby. 2,472,471, June 7.
- Thioketones and preparing the same. R. H. Sprague. 2,481,698, Sept. 13.
- Thiol ester modification of synthetic rubbers. W. H. Sharkey. 2,458,432, Jan. 4.
- Thioesters, Preparation of. C. M. Himel. 2,458,075, Jan. 4.
- Thiols, Making. A. A. Pavlic. 2,467,222, Apr. 12.
- Thionyl chloride, Making. E. F. Fricke. 2,471,946, May 31.
- Thiophanes and their production. M. W. Goldberg and L. H. Sternbach. 2,489,234, Nov. 22.
- Thiophanthraquinone derivatives. V. Weinmayr. 2,472,133, June 7.
- Thiophenecarboxylic acid, Production of. G. C. Johnson and J. W. Schick. 2,492,645, Dec. 27.
- Thiophene compounds. B. C. McKusick. 2,467,439, Apr. 19.
- Thiophene sulfonic acid preparation. H. S. Halbedel and J. C. Heath. 2,480,465, Aug. 30.
- Thiophene-2-carboxylic acid. V. Weinmayr. 2,462,697, Feb. 22.
- Thread advancing reel. R. W. Stanley. 2,461,575, Feb. 15.
- Thread and fabric, Adhesive. M. Seckel. 2,491,396, Dec. 13.
- Thread antislack device. O. Frick and C. J. Rhodes. 2,479,826, Aug. 23.
- Thread brake for double twistlers. R. H. Carter. 2,478,927, Aug. 16.
- Thread control for bobbins in magazines. R. G. Turner. 2,457,955, Jan. 4.
- Thread control for looms, Pneumatic. R. G. Turner. 2,457,952, Jan. 4.
- Thread control system for weft replenishing looms, Pneumatic. G. N. Peterson. 2,482,690, Sept. 20.
- Thread-controlling mechanism for sewing machines. W. C. Van Ness. 2,482,077, Sept. 13.
- Thread-cutting machine. S. C. Mack. 2,482,786, Sept. 27.
- Thread-feeding mechanism. R. C. Amidon. 2,489,609, Nov. 29.
- Thread form for helical rotary members, Arc generated. J. E. Whitfield. 2,486,770, Nov. 1.
- Thread grinding and grinding wheel dressing device. S. Wallace. 2,468,280, Apr. 26.
- Thread holder. H. L. Sammons. 2,491,585, Dec. 20.
- Thread holder for weft replenishing looms, Pneumatic. G. H. Utter. 2,491,142, Dec. 13.
- Thread holding and cutting device for shoe sewing machines. D. P. Hay. 2,492,147, Dec. 27.
- Thread letoff feeding mechanism. G. O. Young. 2,470,124, May 17.
- Thread protector. H. A. Unke. 2,466,709, Apr. 19.
- Thread remover for weft replenishing looms, Pneumatic. G. N. Peterson. 2,482,691, Sept. 20.
- Thread rolling machine. A. E. Neumann. 2,464,883, Mar. 22.
- Thread seam and method and machines for inserting the same. C. L. Knott. 2,486,531, Nov. 1.
- Thread storage reel. C. H. Dasher. 2,475,483, July 5.
- Thread system for weft replenishing looms, Pneumatic. G. N. Peterson. 2,482,689, Sept. 20.
- Thread-tension device for sewing machines. F. Parry and B. P. Pinkvoss. 2,462,812, Feb. 22.
- Thread tension mechanism. G. O. Young. 2,470,123, May 17.

- Thread tester, Screw. V. L. Thompson. 2,487,082, Nov. 8.
- Thread treating method. H. O. Naumann. 2,476,757, July 19.
- Thread triangles. W. T. Simmons. 2,466,490, Apr. 5.
- Thread-trimming and pull-off mechanism for sewing machines. A. R. Wood. 2,474,710, June 28.
- Thread-trimming mechanism for sewing machines. D. G. Smith and H. C. Faulkner. 2,487,389, Nov. 8.
- Threaded insert. O. J. Huelster. 2,466,546, Apr. 5.
- Threaded opening. R. J. Thompson. 2,460,720, Feb. 1.
- Threader, Needle. J. N. Jamo. 2,476,872, July 19.
- Threader, Thimble-needle. F. Benedik. 2,460,672, Feb. 1.
- Threading device. C. A. Pinkham and B. Holohan. 2,490,882, Dec. 13.
- Threading spinning pots, Method and apparatus for. J. K. Whisnant and L. C. Taylor. 2,466,872, Apr. 12.
- Threading up continuous spinning machine, Process and apparatus for. A. van der Mei. 2,459,254, Jan. 18.
- Threadless pipe coupling. C. K. Stillwagon. 2,459,251, Jan. 18.
- Threads and the like, Manufacture of synthetic. A. J. L. Moritz. 2,492,055, Dec. 20.
- 3-alkylsulfonamido-pyridinium salts. M. F. Zienty. 2,473,121, June 14.
- Three axis attitude and direction indicator. J. B. Parker. 2,469,403, May 10.
- 3-Bromopyridine and its hydrochloride, Production of. F. L. Taylor. 2,480,091, Aug. 23.
- 3-Carbamyl-2-piperidone. G. H. Morey. 2,479,690, Aug. 23.
- 3-chlorocoumarin, Manufacture of. H. S. Halbedel and J. C. Heath. 2,478,824, Aug. 9.
- 3-chlorocoumarin, Manufacture of. J. C. Heath, S. Z. Cardon, and H. S. Halbedel. 2,466,657, Apr. 5.
- 3-chloro methacrylonitrile, Production of. J. L. Mostek. 2,460,996, Feb. 8.
- Three-dimensional display device. H. H. Hutt. 2,485,830, Oct. 25.
- Three-dimensional pictures, Producing. D. McPherson. 2,472,259, June 7.
- 3,11-diketo-4-bromo-17(β)-hydroxy-20,21-diacetoxypregnane. L. H. Sarett. 2,492,195, Dec. 27.
- 3,5-diamino-4-dihydro-thiadiazine-1-dioxide. H. A. Walter. 2,479,441, Aug. 16.
- 3,5-dihydroxy-4-dihydro-thiadiazine-1-dioxide and its preparation. H. A. Walter. 2,473,042, June 14.
- 3,4-dichloro-1-(α -chloro-8-trichloroethyl)-benzene. C. Graenacher, P. Streuli, M. Geiger, and E. Usteri. 2,477,978, Aug. 2.
- 3,4-dichlorophenylsulfonfyl tribromomethane. W. E. Craig and W. F. Hester. 2,484,489, Oct. 11.
- 3,4-di-(p-hydroxy-phenyl)-hexadiene-2,4, Manufacture of. E. Adler. 2,465,505, Mar. 29.
- 3,4-(2'-keto-imidazolido)-2-w-hydroxy-pentyl-thiophanes. M. W. Goldberg and L. H. Sternbach. 2,489,237, Nov. 22.
- Three-layer single-phase winding. J. M. Stein and R. W. Egglestone. 2,470,663, May 17.
- 3',4'-phthaloylacridones. R. N. Heslop, F. Irving, and A. Livingston. 2,481,744, Sept. 13.
- Three product heavy media separation process. G. B. Walker and S. J. Swainson. 2,468,005, Apr. 19.
- 3,17-dihydroxy-11-ketopregnenes-20 and process. L. H. Sarett. 2,492,189, Dec. 27.
- 3-tetrahydrofuranone, Manufacture of. A. W. Johnson. 2,468,881, May 3.
- 3-thenaldehyde, Preparation of. E. E. Campaigne, and W. M. Le Suer. 2,471,092, May 24.
- 3-thenyl bromide. E. E. Campaigne, and W. M. Le Suer. 2,471,091, May 24.
- 3-thenyl bromide salts. E. E. Campaigne, and W. M. Le Suer. 2,471,090, May 24.
- 3-thenyl thioethers in lubricating compositions. J. W. Brooks and S. J. Lukasiewicz. 2,480,832, Sept. 6.
- 3,3'-carboxy-methylenbis-(4-hydroxy-coumarin) compounds for the reduction of the prothrombin level, Manufacturing. J. Rosický and K. Fucik. 2,482,512, Sept. 20.
- 3,3'-thenoin. E. E. Campaigne, and W. M. Le Suer. 2,471,093, May 24.
- Three-way baby chair. G. H. Bennett. 2,481,382, Sept. 6.
- Thresher with pivoted platform and auger feed, Harvester. H. L. Waterman. 2,491,236, Dec. 13.
- Throttle control. C. F. Schorn and R. L. Ensinger. 2,486,212, Oct. 25.
- Throttle control device. P. Slevter. 2,481,167, Sept. 6.
- Throttle control mechanism. R. T. Smith. 2,479,646, Aug. 23.
- Throttle valve mechanism. W. B. Walger. 2,484,199, Oct. 11.
- Throttling valve. J. J. Delany. 2,489,623, Nov. 29.
- Through conduit gate valve. J. M. Fowler. 2,482,409, Sept. 20.
- Throwing tool. C. R. Livermon. 2,481,522, Sept. 13.
- Thrust balanced screw pump. W. E. Hodgkinson. 2,463,460, Mar. 1.
- Thrust device, Electric. J. J. Moynihan. 2,462,533, Feb. 22.
- Thumb or finger gripping means, Bowling ball. H. H. Hausman. 2,480,385, Feb. 1.
- Thumbpiece latch. A. F. Licktieg. 2,485,054, Oct. 18.
- Thymol, Manufacture of. W. E. Huggett and G. F. Duffin. 2,468,670, Apr. 26.
- Thyratron, Hydrogen-filled. H. B. Sloan. 2,492,666, Dec. 27.
- Thyratron tube. H. B. Sloan. 2,492,665, Dec. 27.
- Ticket holder. M. J. Mateo, Jr. 2,483,553, Oct. 4.
- Ticket printing machine, Record controlled. A. W. Mills and F. J. Furman. 2,487,357, Nov. 8.
- Ticket strip and ticket. B. H. Freedman. 2,491,807, Dec. 20.
- Tie and collar support. P. A. Bjorson. 2,480,698, Aug. 30.
- Tie and drainage system, Combination railroad. O. I. Olsen. 2,492,177, Dec. 27.
- Tie and holder, Bale. A. S. Mackenzie. 2,490,072, Dec. 6.
- Tie and making same. Bow. S. Head. 2,458,265, Jan. 4.
- Tie clasp and chambered holder, Combination. J. Aversa. 2,460,728, Feb. 1.
- Tie form. L. D. Davidson. 2,467,931, Apr. 19.
- Tie gum for polymer-rubber articles. I. E. Lightbown and N. S. Beekley, Jr. 2,467,322, Apr. 12.
- Tie holder construction. C. A. Anderson. 2,492,254, Dec. 27.
- Tie line for automatic telephone exchanges. G. Deakin. 2,465,359, Mar. 29.
- Tie plate and rail anchor. S. Stone and F. A. Martin. 2,490,242, Dec. 6.
- Tie puller. A. J. Beardsley. 2,463,847, Mar. 8.
- Tie rack. H. M. Canner. 2,470,015, May 10.
- Tie rack. D. R. Jewett. 2,485,201, Oct. 18.
- Tie rack. W. A. Odencrantz and C. W. Jorgensen. 2,485,455, Oct. 18.
- Tie rack. C. Sova. 2,459,006, Jan. 11.
- Tie rack. I. L. Stern. 2,487,612, Nov. 8.
- Tie rack. M. O. Whitney. 2,492,607, Dec. 27.
- Tie rod and grout conduit, Combined. L. Turzillo. 2,491,460, Dec. 13.
- Tie rod and knuckle arm clip. H. E. Rieves. 2,474,959, July 5.
- Tie stick, Hot line. L. S. Fisher. 2,484,278, Oct. 11.
- Tie tamping or ballasting machine. C. Jackson. 2,482,111, Sept. 20.
- Tightener and twister for concrete forms, Wire. E. J. Dullaghan. 2,492,560, Dec. 27.
- Tightener and tying tool for form tie wires. I. M. Reid. 2,491,582, Dec. 20.
- Tightener, Clothesline. T. M. Day. 2,483,692, Oct. 4.
- Tightening apparatus, Clothesline. G. Pearson. 2,490,154, Dec. 6.
- Tightening device. P. J. Burchett. 2,466,575, Apr. 5.
- Tie, Acoustical. G. S. Willey and O. W. Frost. 2,459,121, Jan. 11.
- Tile, Roofing. W. S. Bremer. 2,482,835, Sept. 27.
- Tiltable lawn chair. B. E. Nelson. 2,466,264, Apr. 5.
- Tiller, Rotary soil. W. E. Claus. 2,491,892, Dec. 20.
- Tilting chair. J. J. Waldheim. 2,482,306, Sept. 20.
- Tilting device for cooker kettles. M. M. Guggenheim. 2,463,171, Mar. 1.
- Tilting gate. J. B. Clay. 2,484,980, Oct. 18.
- Tilting means for electric furnaces. J. K. McBroom. 2,481,433, Sept. 6.
- Tilting mechanism, Converter. H. L. McFeaters. 2,483,017, Sept. 27.
- Tilting mechanism, Venetian blind slat. F. J. Burns. 2,484,804, Oct. 18.
- Tilting salt bath furnace. G. H. S. Grene. 2,473,095, June 14.
- Timber sawing apparatus, Tractor-mounted. E. R. L. Kelly. 2,461,384, Feb. 8.
- Time consuming or delay action mechanism. H. E. R. Thomas. 2,470,003, May 10.
- Time cycling device. R. H. Grant. 2,471,426, May 31.
- Time delay and brake resetting mechanism. R. B. Cotton. 2,482,705, Sept. 20.
- Time delay centrifugal clutch. T. J. Mesh. 2,485,211, Oct. 18.
- Time delay for circuit breaker trip mechanism, Dual. H. C. Graves, Jr. 2,486,595, Nov. 1.
- Time delay for selective tripping. H. C. Graves, Jr. 2,486,596, Nov. 1.
- Time delay, Thermal. R. B. Brode. 2,472,366, June 7.
- Time determiner, Milking machine. G. T. Willson. 2,488,754, Nov. 22.
- Time interval control device, Adjustable. P. O. Gibson. 2,459,876, Jan. 25.
- Timeinterval indicator. R. W. Byerly. 2,473,487, June 14.
- Time-measuring system and apparatus, Pulse counting. L. V. Lewis. 2,477,993, Aug. 2.
- Time modulation system, Pulse. H. Goldberg. 2,466,230, Apr. 5.
- Time period indicator. M. T. Benner and J. B. Fortier. 2,481,067, Sept. 6.
- Timepiece regulator. D. S. Ingraham. 2,464,688, Mar. 15.
- Time recorder, Ordnance pressure. S. Golden. 2,475,387, July 5.
- Time set control. F. R. Van Sickle. 2,458,322, Jan. 4.
- Time switch. H. L. Emery. 2,468,548, Apr. 26.
- Time switch. T. C. Lloyd. 2,487,154, Nov. 8.
- Time switch. E. V. Platt. 2,474,494, June 28.
- Timer. W. L. Hunt. 2,471,873, May 31.
- Timer, Automatic. H. L. Abrahamse and J. E. Hewitt. 2,468,855, May 3.

- Timer control system, Electric motor operated. J. W. McNairy. 2,479,390, Aug. 16.
- Timer, Cycle. F. A. Pearson. 2,469,341, May 3.
- Timer, Delay. H. H. Davids. 2,483,126, Sept. 27.
- Timer device for load releasing means. J. C. Rumsey. 2,492,817, Dec. 27.
- Timer, Electric. M. E. Bivens. 2,473,237, June 14.
- Timer, Electrical. E. H. Gates, Jr., and J. J. Smith. 2,479,922, Aug. 23.
- Timer for energizing devices for preselected periods, Impulse-controlled. M. E. Nelson. 2,483,020, Sept. 27.
- Timer for folding apparatus. T. S. Watson. 2,458,544, Jan. 11.
- Timer for switching from signaling device to the subscriber's ringer after selectable predetermined time. E. J. Hardgrave. 2,481,840, Sept. 13.
- Timer, Gravity flow interval. J. Brockley. 2,466,573, Apr. 5.
- Timer, Ignition. J. T. Fitzsimmons, and W. D. Schroepe. 2,471,318, May 24.
- Timer mechanism. G. Morse. 2,480,760, Aug. 30.
- Timer, Milker pulsator. W. H. Harstick. 2,480,239, Aug. 30.
- Timer, Process. C. B. Marble. 2,489,098, Nov. 22.
- Timer, Seed spacing. H. J. Vetter. 2,463,925, Mar. 8.
- Timer, Stoker. E. B. Maire. 2,476,448, July 19.
- Timer, Thermal. H. B. White. 2,486,621, Nov. 1.
- Timer, Welding. A. M. Skudre. 2,480,678, Aug. 30.
- Timing and control device. A. W. Gardes. 2,472,818, June 14.
- Timing and control means for relays, Electronic. W. A. Brown. 2,467,008, Apr. 12.
- Timing and phase control circuits. R. M. Bowie. 2,470,464, May 17.
- Timing and recording means, Electronic. W. Richter. 2,477,770, Aug. 2.
- Timing apparatus, Music. R. D. Bergey. 2,483,570, Oct. 4.
- Timing arrangement, Electrically operated. G. T. Baker. 2,488,797, Nov. 22.
- Timing circuit. G. D. Hanchett, Jr. 2,490,960, Dec. 13.
- Timing circuit. H. M. Simons. 2,479,274, Aug. 16.
- Timing device. G. R. F. Gay. 2,461,266, Feb. 8.
- Timing device. O. Jensen and H. C. Graves, Jr. 2,486,602, Nov. 1.
- Timing device, Automatic. F. E. Hummel. 2,477,805, Aug. 2.
- Timing device, Automatic. W. H. Mitsch. 2,459,041, Jan. 11.
- Timing device, Automatic electronic. S. S. Hatfield. 2,474,841, July 5.
- Timing device, Electronic. P. J. Cade. 2,460,277, Feb. 1.
- Timing device, Electronic. R. R. Harris. 2,478,482, Aug. 9.
- Timing device for camera shutters. G. H. Coleman. 2,477,578, Aug. 2.
- Timing device for high-speed motion-picture cameras. R. G. Stoner and C. W. Lampson. 2,458,882, Jan. 11.
- Timing machine, Cooking. D. G. Hill, Jr. 2,467,587, Apr. 19.
- Timing mechanism. W. P. Gallagher, C. Weber, and P. E. Sutor. 2,485,195, Oct. 18.
- Timing mechanism. H. I. Turner. 2,463,070, Mar. 1.
- Timing mechanism, Exposure. W. L. Linde. 2,463,985, Mar. 8.
- Timing mechanism for washing machines and the like. H. L. Newell. 2,467,848, Apr. 19.
- Timing mixer. R. C. Fox. 2,479,335, Aug. 16.
- Timing or patterning chain. A. Shortland. 2,488,144, Nov. 15.
- Timing relay, Electric. E. Mestitz. 2,484,110, Oct. 11.
- Timing system, Electronic. D. P. Faulk. 2,460,816, Feb. 8.
- Timing system, Electronic. C. B. Stadium and W. E. Large. 2,492,015, Dec. 20.
- Timing system for ignition and the like. F. J. Hooven. 2,489,780, Nov. 29.
- Timing the ignition in internal-combustion engines, Means for use in. J. H. Weaving and F. W. Highfield. 2,492,247, Dec. 27.
- Tin-coating the interiors of copper tubes. D. K. Crampton and M. L. Wood. 2,470,689, May 17.
- Tin, Electroplating of. F. A. Lowenheim. 2,458,912, Jan. 11.
- Tin fluoroborate, Production of. A. L. Ferguson. 2,457,798, Jan. 4.
- Tincture of digitalis, Stabilized. E. A. Ferguson, Jr. 2,489,086, Nov. 22.
- Tinplate brightening apparatus, Continuous. J. S. Nachtman. 2,459,674, Jan. 18.
- Tip cleaner holder. H. D. Maitlen. 2,473,758, June 21.
- Tip for cutting tools, Cutting. H. J. Read. 2,462,002, Feb. 15.
- Tip for resistance welding electrodes, Adjustable. C. F. Wersler and J. F. Bukowski. 2,479,547, Aug. 16.
- Tipping mechanism for vehicles, Hydraulic. V. P. Bourne-Vanneck. 2,476,694, July 19.
- Tipping mechanism, Ladle. E. F. Schulze. 2,463,811, Mar. 8.
- Tipping-off burner. P. O. Cartun. 2,482,400, Sept. 20.
- Tippler or dumper, Car and wagon. G. W. Grossmith. 2,472,703, June 7.
- Tire. W. J. Heyneman. 2,469,300, May 3.
- Tire, Adjustable and interchangeable lawn mover. W. L. Teemasma. 2,479,985, Aug. 23.
- Tire and antiskid means therefor, Pneumatic. W. H. Freygang. 2,491,491, Dec. 20.
- Tire and attachable vane therefor. R. J. Hull and R. W. Hursh. 2,457,897, Jan. 4.
- Tire and making. W. C. McCoy. 2,480,811, Aug. 30.
- Tire and rim assembling and locking ring applying machine, Fluid pressure operated. N. R. Clauser. 2,488,376, Nov. 15.
- Tire and rim assembly. R. G. Le Tourneau. 2,466,449, Apr. 5.
- Tire and rim construction. C. W. Sinclair. 2,484,532, Oct. 11.
- Tire and tire rim, Pneumatic. E. Sokolik. 2,482,221, Sept. 20.
- Tire, Antiskid. G. A. Alexiadis. 2,467,418, Apr. 19.
- Tire, Antiskid rubber. C. A. and L. Gopen. Re. 23,135, July 19.
- Tire building core. A. Haller and J. Torrey, Jr. 2,488,862, Nov. 22.
- Tire carrier for balancing machines. J. P. Lannen. 2,481,125, Sept. 6.
- Tire casing and repairing same. J. M. Hooper. 2,483,010, 27.
- Tire, Cellular elastic vehicle. C. B. McKnight. 2,466,254, Apr. 5.
- Tire chain clip. C. F. Kapp. 2,484,714, Oct. 11.
- Tire chain holder. M. Givens. 2,461,267, Feb. 8.
- Tire chain latch. L. Cuillierrier. 2,462,472, Feb. 22.
- Tire chain release device. M. B. Herbrick. 2,472,826-8, June 14.
- Tire, Cushioned. H. C. Lord. 2,469,394, May 10.
- Tire deflation indicator. P. Siever. 2,481,166, Sept. 6.
- Tire deflation switch. C. E. Sullivan. 2,461,299, Feb. 8.
- Tire fabric. A. J. Musselman. 2,468,304, Apr. 26.
- Tire for amphibious airplanes and vehicles. R. A. Bell. 2,479,714, Aug. 23.
- Tire guard. G. L. Smith. 2,474,284, June 28.
- Tire, Lightweight resilient. J. V. Martin. 2,492,433, Dec. 27.
- Tire loosening device, Lever operated. I. N. Hewitt. 2,489,088, Nov. 22.
- Tire making machine. C. E. Powers. 2,472,123, June 7.
- Tire manufacture. C. E. Maynard. 2,476,884, July 19.
- Tire mounting and removing device, Circumferentially traveling type power-operated. A. G. Thomas. 2,470,534, May 17.
- Tire mounting device, Circumferentially traveling type. R. Moore. 2,482,789, Sept. 27.
- Tire mounting or demounting device, Fluid pressure actuated. M. M. Cook. 2,473,571, June 21.
- Tire, Pneumatic. T. O. Davidson. 2,463,522, Mar. 8.
- Tire pressure alarm switch. E. C. and G. L. Lana. 2,482,984, Sept. 27.
- Tire pressure indicator. N. A. Dysart. 2,465,435, Mar. 29.
- Tire pressure indicator. S. Robertson. 2,481,534, Sept. 13.
- Tire-protecting skid. R. Moss. 2,461,758, Feb. 15.
- Tire, Puncture-proof self-sealing pneumatic. C. Young. 2,489,995, Nov. 29.
- Tire recapping mold. E. F. Shell. 2,468,121, Apr. 26.
- Tire relief valve. F. W. Schwinn. 2,473,912, June 21.
- Tire remover, Axially shifting type lever operated. J. W. York. 2,474,926, July 5.
- Tire remover, Collapsible. F. Piacenti. 2,470,107, May 17.
- Tire removing apparatus, Frame mounted axially collapsing type. W. Greene. 2,469,723, May 10.
- Tire removing machine, axially shifting type. J. H. Tillotson. 2,479,432, Aug. 16.
- Tire removing machine, Axially shifting type. H. G. Turner. 2,478,214, Aug. 9.
- Tire stripper, Axially shifting type. M. V. Falkner. 2,464,638, Mar. 15.
- Tire tool. W. J. Cox. 2,474,515, June 28.
- Tire transfer device for trucks and the like. F. W. Cofang. 2,464,071, Mar. 8.
- Tire tread. C. C. Dybvig. 2,459,750, Jan. 18.
- Tire tread. A. Hargraves. 2,459,762, Jan. 18.
- Tire tread. W. S. Norman, Jr. 2,479,958, Aug. 23.
- Tire valve operating device. H. Brummer. 2,489,397, Nov. 29.
- Tire, Vaned. R. W. Hursh. 2,457,899, Jan. 4.
- Tire, Vehicle. W. H. Carhart. 2,480,548, Aug. 30.
- Tire, Vehicle. V. S. Thompson. 2,487,398, Nov. 8.
- Tire vulcanizing. J. M. Cage. 2,480,631, Aug. 30.
- Tire-wheel or tire-rim assembly carrier. K. C. Clark. 2,489,561, Nov. 29.
- Tissue holder. J. Rashko. 2,486,678, Nov. 1.
- Titaniferous material for producing titanium dioxide. W. M. Peirce, R. K. Waring, and L. D. Fetterolf. 2,476,453, July 19.
- Titanium carbide and making same, Graphite-free. C. C. Laughlin and E. Wainer. 2,491,410, Dec. 13.
- Titanium carbide in stainless steel, Determining. W. C. Maurer. 2,477,072, July 26.
- Titanium chloride solutions, Preparation of. C. M. Olson and I. J. Krehma. 2,486,572, Nov. 1.
- Titanium compounds, Production of organic. C. M. Langhammer. 2,489,651, Nov. 29.
- Titanium dioxide manufacture. I. J. Krehma and J. E. Booge. 2,462,978, Mar. 1.

- Titanium dioxide pigment production. H. H. Schaumann. 2,488,440, Nov. 15.
- Titanium dioxide, Production of. L. C. Copeland and C. W. Farber. 2,486,465, Nov. 1.
- Titanium dioxide, Water dispersible. W. R. Whately. 2,464,192, Mar. 8.
- Titanium dioxide, Water-dispersible. W. R. Whately. 2,480,092, Aug. 23.
- Titanium halides by treatment with metal hydrides and distillation, Purification of. D. G. Nicholson. 2,457,917, Jan. 4.
- Titanium nitride, Production of. P. P. Alexander. 2,461,018, Feb. 8.
- Titanium oxide pigment production. C. M. Olson. 2,479,637, Aug. 23.
- Titanium oxide pigments, Production of. H. H. Schaumann. 2,488,439, Nov. 15.
- Titanium tetrachloride, Distillation of. I. J. Krehma. 2,463,396, Mar. 1.
- Titanium tetrachloride, Producing. A. Belchetz. 2,486,912, Nov. 1.
- Toaster. M. S. Altman and F. A. Pettis. 2,486,906, Nov. 1.
- Toaster. L. B. Cox. 2,465,577, Mar. 29.
- Toaster. J. G. Macdonald. 2,477,814, Aug. 2.
- Toaster and the like, Automatic electric. A. B. Poole. 2,485,456, Oct. 18.
- Toaster, Automatic. P. J. McCullough. 2,473,719, June 21.
- Toaster device. J. P. Williams. 2,491,594, Dec. 20.
- Toaster, Electric. H. E. Page. 2,488,097, Nov. 15.
- Toaster, Marshmallow and wiener. C. Gudmundsen. 2,487,651, Nov. 8.
- Toaster-tray combination. H. E. Page. 2,471,649, May 31.
- Tobacco article support. J. Elger. 2,483,188, Sept. 27.
- Tobacco can elevator. A. H. Lavietes. 2,474,315, June 28.
- Tobacco composition. J. Kamlet. 2,483,418, Oct. 4.
- Tobacco composition and making it. W. J. Hale. 2,460,284, Feb. 1.
- Tobacco curing apparatus. G. S. Horne. 2,472,534, June 7.
- Tobacco curling burner. R. A. Maultsby. 2,477,191, July 26.
- Tobacco pipe. S. L. Atkins. 2,467,002, Apr. 12.
- Tobacco pipe. A. E. Dietz. 2,468,359, Apr. 26.
- Tobacco pipe. O. M. Ingbretnsen. 2,472,159, June 7.
- Tobacco pipe. R. W. Simpson. 2,486,333, Oct. 25.
- Tobacco pipe. J. H. Stevens. 2,487,740, Nov. 8.
- Tobacco pipe reamer, Adjustable. J. J. Edmondson. 2,485,438, Oct. 18.
- Tobacco products and making them. W. J. Hale. 2,460,285, Feb. 1.
- Tobacco smoke pipe. C. V. Wright, Jr. 2,458,460, Jan. 4.
- Toboggan. E. B. Fish. 2,469,765, May 10.
- Toboggan. A. Juntunen. 2,466,547, Apr. 5.
- Toboggan, Knockdown. L. C. Berg. 2,464,016, Mar. 8.
- Toe gauge. B. Castiglia. 2,474,616, June 28.
- Toe plate for ski bindings. E. H. Carroll. 2,473,637, June 21.
- Toe straightening device. R. J. Muller. 2,492,312, Dec. 27.
- Toggle actuated and adjustably mounted pivoted jaw wrench. V. S. Ward and G. K. Hurlbut. 2,464,472, Mar. 15.
- Toggle actuated and adjustably mounted pivoted jaw wrench. V. S. Ward and G. K. Hurlbut. 2,478,728, Aug. 9.
- Toggle actuated switch. N. H. Koertge. 2,469,119, May 3.
- Toggle and cam operated opposed friction clutch. B. L. Myers. 2,466,262, Apr. 5.
- Toggle bolt, Surgical. W. Dzus and G. S. King. 2,485,531, Oct. 18.
- Toggle operated slidable jaw wrench. F. C. Fisch. 2,471,734, May 31.
- Toggle press and molding articles from granular material. M. E. Gates. 2,471,563, May 31.
- Toilet attachment. H. R. Adams. 2,466,144, Apr. 5.
- Toilet brush container. E. M. Hess. 2,464,085, Mar. 8.
- Toilet flush tank valve. R. Wallner. 2,488,457, Nov. 15.
- Toilet, Rabbit or animal. W. Quinn. 2,469,784, May 10.
- Toilet seat. R. C. Brown. 2,486,631, Nov. 1.
- Toilet seat cover. M. Joyce. 2,461,160, Feb. 8.
- Toilet seat lifter. R. B. Warner. 2,473,082, June 14.
- Toilet seat protector. M. Knoetzsch. 2,491,187, Dec. 13.
- Toilet, Seatless. N. Dodson. 2,480,736, Nov. 1.
- Toilet seats, Sterilizing. H. H. Niles. 2,458,019, Jan. 4.
- Toilet tissue dispenser. S. Cavalieri. 2,477,362, July 26.
- Toilet tissue dispenser. E. L. Straubel. 2,488,040, Nov. 15.
- Tolerance limit indicator. J. H. Worthen. 2,484,772, Oct. 11.
- Toll line remote group busy signaling. G. W. Mitchell. 2,476,888, July 19.
- Toluene nitration process. T. J. J. Hoek. 2,475,095, July 5.
- Toluenesulfonates. A. W. Anish. 2,461,463, Feb. 8.
- Tomato plant rack. J. C. Claiborne. 2,486,261, Oct. 25.
- Tone arm and pickup assembly. C. F. Jensen. 2,475,785, July 12.
- Tone arm control for records of different diameters. E. Ascoli. 2,488,260, Nov. 15.
- Tone control. J. D. Reid and P. F. G. Holst. 2,474,191, June 21.
- Tone control arrangement with indicators. R. G. Miller and G. Mountjoy. 2,492,310, Dec. 27.
- Tone control system. L. J. Bobb. 2,491,155, Dec. 13.
- Tone unit. O. D. Grandstaff. 2,482,478, Sept. 20.
- Tong, Tire chain. G. H. Sweeney. 2,469,614, May 10.
- Tongs for holding or displacing energized-conductors of transmission lines or the like, Wire. F. J. Hendley. 2,478,579, Aug. 9.
- Tongs or carrier, Melon. W. H. Payne. 2,490,467, Dec. 6.
- Tongs, Paper and trash pickup. N. V. Hunt. 2,473,146, June 14.
- Tongue depressor. C. R. Lanahan. 2,482,116, Sept. 20.
- Tonsorial device. N. Holsclaw. 2,486,028, Oct. 25.
- Tool: See—
- Abbrading tool. Magnetically operated tool.
 - Abrasive tool. Micrometer tool.
 - Arc welding tool. Milling tool.
 - Automatic template controlled machine tool. Multiple spindle machine tool.
 - Automobile repair tool. Nut breaking tool.
 - Aviation spark plug adjusting tool. Oil seal removing tool.
 - Barrel contracting tool. Packing removing tool.
 - Bearing replacer tool. Painter's guide tool.
 - Belt-applying tool. Pattern controlled machine tool.
 - Belt installing tool. Percussive tool.
 - Belt lacer fastener applying tool. Pipe-bending tool.
 - Bleeding tool. Pipe coupling tool.
 - Boring tool. Pipe cutting tool.
 - Burn-in tool. Pipe thread cleaning tool.
 - Cable stripping tool. Pneumatic drilling tool.
 - Cake-lifting and removing tool. Portable tool.
 - Camber adjusting tool. Portable tube bending tool.
 - Carbine tool. Power actuated percussion tool.
 - Center locating tool. Power-driven tool.
 - Chain tool. Power tool.
 - Chamfering tool. Precision machine tool.
 - Checking tool. Receptacle cover pry-off tool.
 - Clip retaining tool. Reciprocating tool.
 - Clock hand removing tool. Refacing tool.
 - Clutch assembly tool. Reforming tool.
 - Coconut husk removing tool. Resurfacing tool.
 - Combination garden tool. Reversing tool.
 - Combination reciprocating and rotating tool. Rivet setting and removing tool.
 - Combination tool. Rotary abrading tool.
 - Combined portable welding and pneumatic tool. Rotary cleaning tool.
 - Compound tool. Rotary impact tool.
 - Container band serving tool. Rotary tool.
 - Counterboring tool. Sanding and finishing tool.
 - Countersinking tool. Self-sealing inner tube demonstration tool.
 - Cutting tool. Shaft-pulling tool.
 - Cylinder surfacing tool. Sharpening tool.
 - Dimpling tool. Sheet gripping and pulling tool.
 - Dressing tool. Sheet metal bending tool.
 - Drill holder and like tool. Singeing tool.
 - Electrical outlet box attaching tool. Skiving tool.
 - Electrically heated gilding tool. Snap fastener attaching tool.
 - Engine crankshaft turning adjustment tool. Soldering tool.
 - Explosively actuated tool. Spark plug adjustment tool.
 - Fan belt tool. Special type valve stem dislodging tool.
 - Fence wire assembling and stretching tool. Speed nut tool.
 - Fluid actuated tool. Spike holding tool.
 - Force applying tool. Spring tool.
 - Frame straightener tool. Staking tool.
 - Gate box turning tool. Strap cutting tool.
 - Generator brush tool. Strip inserting hand tool.
 - Glazier's tool. Swine tool.
 - Grommet extending tool. Tack driving tool.
 - Ground clamp holding tool. Throwing tool.
 - Hand tool. Tire tool.
 - Heating tool. Torque measuring tool.
 - Hog-ring tool. Torque tool.
 - Holding tool. Torsion driven tool.
 - Honing tool. Trepanning tool.
 - Hydraulic fishing tool. Tube beading and flaring tool.
 - Illuminable tool. Tube chamfering tool.
 - Internal grinding tool. Undercutting tool.
 - Jack type tire removing tool. Valve cutting tool.
 - Knurling tool. Valve reseating tool.
 - Lapping tool. Variable speed hand tool.
 - Leather roughing tool. Watchmaker's hand clamping tool.
 - Lever actuated portable tire removing tool. Watch opening tool.
 - Livestock tool. Well-drilling tool.
 - Machine tool. Well reaming tool.
 - Magnetic hand pickup tool. Wire bound box closing tool.
 - Wrecking tool.
- Tool. M. de la Torre. 2,480,451, Aug. 30.
- Tool. H. E. Dickerman. Re. 23,138; Aug. 2.

- Tool. S. Doniger. 2,465,433, Mar. 29.
 Tool. J. F. Kopczynski. 2,488,205, Nov. 15.
 Tool. W. J. Luckins. 2,480,037, Aug. 23.
 Tool. E. A. Randall, and V. B. Slifer. 2,472,124, June 7.
 Tool. J. W. Slayton, Jr. 2,458,880, Jan. 11.
 Tool. A. Thomas. 2,461,579, Feb. 15.
 Tool. L. D. Walter. 2,468,386, Apr. 26.
 Tool and handle, Combination. F. W. Coffing. 2,461,108, Feb. 8.
 Tool and handle, Combination. F. W. Coffing. 2,487,696, Nov. 8.
 Tool and release therefor, Toggle actuated. E. D. Ball. 2,462,709, Feb. 22.
 Tool apparatus. J. Oakley. 2,473,815, June 21.
 Tool assembly. H. M. Griffin. 2,462,386, Feb. 22.
 Tool assembly. F. Von Voigtlander. 2,460,555, Feb. 1.
 Tool assembly, Commutator resurfacing and dressing. M. M. Ross. 2,492,596, Dec. 27.
 Tool attachment, Reciprocating. M. R. Elser. 2,484,158, Oct. 11.
 Tool blades, Making edged. J. O. Forster and E. M. Lang. 2,467,302, Apr. 12.
 Tool clamp. W. H. Silver. 2,490,237, Dec. 6.
 Tool control, Internal-combustion percussion. C. S. Weyandt. 2,479,593, Aug. 23.
 Tool for assembling carbine bolts. T. H. Hopkins. 2,474,844, July 5.
 Tool for assembling carbine bolts. P. E. Kern. 2,474,848, July 5.
 Tool for assembling compressible grommets in openings. A. F. Behlert. 2,468,286, Apr. 26.
 Tool for beveling commutator segments. D. J. Thorell. 2,478,026, Aug. 2.
 Tool for cleaning concave cylindrical surfaces. R. C. Wallace. 2,469,586, May 10.
 Tool for coring pineapples, Cutting. R. T. Jagenburg. 2,466,314, Apr. 5.
 Tool for crimping metal. W. Kroier. 2,487,713, Nov. 8.
 Tool for cutting circular grooves, Rotary. E. S. Lank. 2,468,562, Apr. 26.
 Tool for cutting circular openings, Hand. J. Del Monte and G. Pappas. 2,463,024, Mar. 1.
 Tool for dressing grinding wheels. O. M. Braaten. 2,469,365, May 10.
 Tool for electrical pass-throughs, Applicator. J. de Swart. 2,478,886, Aug. 9.
 Tool for external cylindrical surfaces, Honing. W. J. Papciak. 2,474,756, June 28.
 Tool for firearms, Extensible stock and magazine loading. M. S. Farber. 2,466,017, Apr. 5.
 Tool for forcing resilient tire beads into the drop center of a wheel rim. M. M. Cook. 2,485,700, Oct. 25.
 Tool for grinding wheels, Dressing. G. J. Wallen. 2,458,812, Jan. 11.
 Tool for gripping, crushing, cutting, and perforating, such as castrators, tattooing forceps, pliers, and the like, Pivoted-handle. A. J. Mutter. 2,476,895, July 19.
 Tool for handling open-ended spring retaining rings. W. Duffy. 2,483,380, Sept. 27.
 Tool for handling open-ended spring retaining rings. H. Heimann and R. Feitl. 2,483,383, Sept. 27.
 Tool for inserting fasteners in machine belting. B. Tebb. 2,473,228, June 14.
 Tool for installing hollow rivets. H. E. Wilt and G. A. Tincler. 2,471,598, May 31.
 Tool for installing valve stem guide bushings. G. H. Birk. 2,488,001, Nov. 15.
 Tool for joists and studs, Grappling. L. E. Swanson. 2,472,500, June 7.
 Tool for loosening and forcing tire beads into rim centers, Hand. B. O. Luton. 2,481,764, Sept. 13.
 Tool for making electrical connectors. F. Deuschle. 2,467,012, Apr. 12.
 Tool for manipulating casings, Hand tire. B. D. Smith. 2,492,329, Dec. 27.
 Tool for openings in sheet metal, Flange forming. C. Evensen. 2,458,842, Jan. 11.
 Tool for pipes and the like, Reamer. T. A. Caliendo. 2,458,681, Jan. 11.
 Tool for pneumatic tires, Rim-removing. R. O. Holbrook. 2,488,539, Nov. 22.
 Tool for reaping asparagus and the like. C. Kreutzer. 2,473,152, June 14.
 Tool for reconditioning valves. J. W. Jackson. 2,460,985, Feb. 8.
 Tool for removing locking keys from brake anchor bolts. C. B. Wayrynen. 2,478,881, Aug. 9.
 Tool for removing radio tubes and vibrators. A. C. Pothier and A. C. Howe. 2,491,132, Dec. 13.
 Tool for reshaping automobile panels. W. H. Ferguson. 2,485,486-90, Oct. 18.
 Tool for screw-threaded units, Torque release. E. W. Ristow. 2,475,518, July 5.
 Tool for smoothing garment-pockets, Insertible. E. Silva. 2,489,052, Nov. 22.
 Tool for straightening sagging spring seats. B. D. Monteith. 2,467,332, Apr. 12.
 Tool for the application of emergency tire chains, Flexible. A. E. Humboldt. 2,460,010, Jan. 25.
 Tool for threading cords in Venetian shades. J. J. Skelton. 2,491,776, Dec. 20.
 Tool for timing Diesel engines, Gauge. R. Hilbert. 2,471,746, May 31.
 Tool for tubes, Cleaning. C. E. Cournoyer and R. R. Charron. 2,472,093, June 7.
 Tool for turning over ends of rivets, Hooked. G. R. Phillips. 2,485,109, Oct. 18.
 Tool for upsetting hollow rivets, Pneumatic. B. G. Carlson. 2,473,361, June 14.
 Tool for turning threaded container caps. D. J. Loudfoot. 2,458,393, Jan. 4.
 Tool for valve guide keepers, Pulling. A. T. Hansord. 2,464,132, Mar. 8.
 Tool handle. D. C. Filiatreault, Jr. 2,461,886, Feb. 15.
 Tool handle fastener. W. J. Roberts. 2,465,483, Mar. 29.
 Tool having jaws applicable to the rim of the flywheel, Flywheel rotating. L. F. Gotting. 2,491,727, Dec. 20.
 Tool head. R. M. Woytych. 2,485,799, Oct. 25.
 Toolhead for lathes, Universal. K. D. Inge. 2,489,183, Nov. 22.
 Tool head, Multiple. C. S. Bohmer and C. A. Grunschel. 2,481,642, Sept. 13.
 Toolholder. B. Barrett. 2,460,210, Jan. 25.
 Toolholder. C. W. Berthiez. 2,466,197, Apr. 5.
 Toolholder. S. M. Booth. 2,462,716, Feb. 22.
 Toolholder. D. W. Brookfield. 2,472,040, May 31.
 Toolholder. L. F. Catlin, Sr., R. Rourke and L. F. Catlin, Jr. 2,488,172, Nov. 15.
 Toolholder. J. W. Douthitt. 2,463,162, Mar. 1.
 Toolholder. T. E. Frisco. 2,468,398, Apr. 26.
 Toolholder. T. E. Frisco. 2,475,385-6, July 5.
 Toolholder. R. W. Grove. 2,475,784, July 12.
 Toolholder. B. F. Haffey. 2,484,027, Oct. 11.
 Toolholder. D. Hanes. 2,468,195, Apr. 26.
 Toolholder. E. G. Harborne and G. H. Craig. 2,477,058, July 26.
 Toolholder. V. Jankowski. 2,474,675, June 28.
 Toolholder. W. C. Keebler. 2,485,052, Oct. 18.
 Toolholder. A. Kyle, and J. A. Johnson. 2,472,255, June 7.
 Toolholder. L. W. Mays. 2,479,756, Aug. 23.
 Toolholder. C. J. McNamara. 2,470,218, May 17.
 Toolholder. S. D. Mercep. 2,474,907, July 5.
 Toolholder. T. B. Tiefenbacher. 2,482,041, Sept. 13.
 Toolholder. P. J. Ullick. 2,461,946, Feb. 15.
 Toolholder. C. R. Wittle. 2,475,268, July 5.
 Toolholder. R. L. Yoke, Jr. 2,479,661, Aug. 23.
 Toolholder and adapter chuck for motor-driven tools. E. R. Galbraith. 2,469,821, May 10.
 Toolholder and blade. J. M. Luers. 2,485,055, Oct. 18.
 Toolholder and blade therefor, Cutoff. D. S. Anthony and W. B. Blocker. 2,487,209, Nov. 8.
 Toolholder, Diamond. W. J. Kreps. 2,487,929, Nov. 15.
 Toolholder for lathes, Movable. G. Krause. 2,466,596, Apr. 5.
 Toolholder for lathes, Parting. J. P. McCready. 2,491,571, Dec. 20.
 Toolholder for magnetic chucks. G. J. Lange. 2,478,766, Aug. 9.
 Toolholder, Overload releasing. D. T. Brownlee. 2,463,083, Mar. 1.
 Toolholder, Tensioning. F. C. Willis. 2,482,995, Sept. 27.
 Tool-holding bracket. F. Friedheim. 2,468,190, Apr. 26.
 Tool-holding device, Adjustable. E. I. Forsman. 2,488,282, Nov. 15.
 Tool joint. J. Moon. 2,485,763, Oct. 25.
 Tool mechanism, Motor-driven. T. H. Ljunggren. 2,459,384, Jan. 18.
 Tool-operating attachment. H. R. Billeter. 2,474,720, June 28.
 Tool operating mechanism. E. H. Shaff. 2,491,624, Dec. 20.
 Tool parts, Making. W. C. Alvin. 2,459,910, Jan. 25.
 Tool post, Turret-type. G. J. Benes. 2,471,403, May 31.
 Tool rack. C. W. McCarty. 2,466,552, Apr. 5.
 Tool retainer. W. D. Fish. 2,472,202, June 7.
 Tool set, Portable power. S. Mandl and E. M. Pfauter. 2,492,921, Dec. 27.
 Tool spindle, Machine. J. B. Armitage and H. L. Heywood. 2,483,451, Oct. 4.
 Tool support. G. J. Benes. 2,481,712, Sept. 13.
 Tool with automatic feed device, Machine. A. Rickenmann. 2,469,077, May 3.
 Tool with slidable jaw face, Lever operated gripping. E. J. St. Laurence. 2,489,057, Nov. 22.
 Tool with yielding drive, Torque. J. J. Greer. 2,472,659, June 7.
 Tooth, Artificial. L. Egger. 2,473,515, June 21.
 Toothbrush. J. E. Pollack. 2,483,503, Oct. 4.
 Toothbrush. H. D. West. 2,473,773, June 21.
 Toothbrush and making. C. E. Maynard. 2,488,873, Nov. 22.
 Toothbrush, Collapsible. G. S. Ridner, Sr. 2,486,062, Oct. 25.
 Toothbrush handle. G. A. Gibson, Jr. 2,471,680, May 31.
 Toothbrush holder. H. Dunlap. 2,484,157, Oct. 11.
 Toothbrush holder. G. J. Rozzi and E. L. Bonalanza. 2,471,979, May 31.
 Toothbrush holder. W. H. Schmidt and C. J. Potocki. 2,489,822, Nov. 29.
 Toothbrush holder. D. P. Wright. 2,463,668, Mar. 8.
 Toothbrush with identification means. F. G. Eubanks. 2,489,707, Nov. 29.
 Tooth, Excavating. J. Baer. 2,483,032, Sept. 27.
 Toothpick. G. E. Millard. 2,477,194, July 26.

- Toothpick dispenser. L. W. Otis. 2,479,860, Aug. 23.
 Tooth powder dispenser. J. H. Pfau. 2,471,495, May 31.
 Tooth, Reinforced plastic. S. Slavin. 2,473,396, June 14.
 Tooth sprocket, Expandible. J. G. Capstaff. 2,484,446, Oct. 11.
 Tooth, Wire. J. H. Thomas. 2,482,883, Sept. 27.
 Top. J. F. Roseen. 2,464,994, Mar. 22.
 Top and stove or range, Combined working. P. P. Mosher and A. F. Waller. 2,476,756, July 19.
 Top, Cooking. H. M. Reeves. 2,480,046, Aug. 23.
 Top endgate. C. R. Adams. 2,457,857, Jan. 4.
 Top, Fabricated metal ironing board. Q. G. Noblitt and E. C. Booth. 2,487,762, Nov. 8.
 Top for convertible automotive vehicles, Ever-ready rigid. A. C. O'Neal. 2,462,667, Feb. 22.
 Top for ironing boards, Metal. E. C. Booth. 2,464,170, Mar. 8.
 Top for milking machine containers. R. E. Maes. 2,481,606, Sept. 13.
 Top safety device for rifles. W. I. Smith. 2,465,699, Mar. 29.
 Top, Sifter. A. B. Criss. 2,472,520, June 7.
 Top, Solid convertible. G. E. Shilala. 2,471,378, May 24.
 Top stop, Removable. D. Marinsky. 2,469,509, May 10.
 Top, Table. E. Richardson. 2,477,466, July 26.
 Top, Vehicle body. G. Philip. 2,481,868, Sept. 13.
 Top, Wind protected card table. S. N. Polis. 2,490,649, Dec. 6.
 Topper, Beet. R. P. Messenger. 2,458,790, Jan. 11.
 Topper, Beet. J. R. Orelind. 2,491,203, Dec. 13.
 Topper, Beet. J. W. Orendorff. 2,458,795, Jan. 11.
 Topping for salads, desserts, and similar products. H. W. Diamond. 2,487,698, Nov. 8.
 Topping with waste heat from cracking with spent shale. J. W. Coast. 2,489,702, Nov. 29.
 Topographical map projecting apparatus. H. L. Cooke. 2,464,795, Mar. 22.
 Torch carriage, Portable. E. G. Livesay. 2,467,940, Apr. 19.
 Torch, Combination heating, welding, and cutting. M. B. Lowe. 2,463,399, Mar. 1.
 Torch, Combination welding and cutting. E. H. Smith. 2,476,777, July 19.
 Torch control, Gang. W. Begerow. 2,480,281, Aug. 30.
 Torch, Cutting. B. C. Hunter. 2,475,595, July 12.
 Torch, Flashlight. J. G. Lippincott. 2,461,118, Feb. 8.
 Torch, Fluid-cooled gas blanketed arc-welding. R. T. Breymeier. 2,468,804, May 3.
 Torch, Fluid cooled gas blanketed arc-welding. H. T. Herbst. 2,468,805, May 3.
 Torch, Gas. J. L. Anderson. 2,483,719, Oct. 4.
 Torch, Gas. E. R. Blahut. 2,480,285, Aug. 30.
 Torch, Gas. D. A. Line. 2,465,242, Mar. 22.
 Torch, Gas. E. D. Wilson. 2,477,917, Aug. 2.
 Torch, Gas-arc. E. F. Potter. 2,473,258, June 14.
 Torch, Gas-electric cutting or welding. F. G. Danhler. 2,475,594, July 12.
 Torch, Hand. J. C. Goss. 2,465,643, Mar. 29.
 Torch, Lighting. F. R. Rizer. 2,483,437, Oct. 4.
 Torch machine, Flame cutting. E. G. Livesay. 2,474,153, June 21.
 Torch, Oxylelectric. C. C. Isbell. 2,465,157, Mar. 22.
 Torch, Preheating liquid fuel. C. R. Guth. 2,461,731, Feb. 15.
 Torch tip. O. Thurman, Jr. 2,483,742, Oct. 4.
 Torch, Water-cooled gas blanketed arc-welding. H. T. Herbst. 2,468,807, May 3.
 Torch, Water-cooled gas blanketed arc-welding. F. J. Pilia. 2,468,806, May 3.
 Torch with adjustable gas mixture flow control means. E. W. Crow and J. H. Lambert. 2,491,648, Dec. 20.
 Torpedo, Aerial. N. M. Hopkins. 2,480,927, Sept. 6.
 Torpedo, Aerial. H. T. Pyle and A. G. Tynan. 2,463,119, Mar. 1.
 Torpedo exploding mechanism. C. T. Minkler. 2,462,118, Feb. 22.
 Torpedo nets, Making. A. E. Brickman. 2,461,030, Feb. 8.
 Torque absorber for speed reducing purposes and the like. S. A. Snell. 2,484,913, Oct. 18.
 Torque applier. P. A. Sturtevant. 2,491,531, Dec. 20.
 Torque limiting device. H. W. Goff. 2,468,193, Apr. 26.
 Torque limiting device. W. C. Starkey. 2,459,972, Jan. 25.
 Torque limiting device for fluid clutches. J. E. Becker. 2,466,356, Apr. 5.
 Torque measuring device, Electrical. F. W. Godsey, Jr. 2,482,477, Sept. 20.
 Torque measuring tool. C. E. Gossling. 2,479,230, Aug. 16.
 Torque meter. A. W. Gardiner. 2,476,410, July 19.
 Torque meter. P. H. Palen. 2,461,001, Feb. 8.
 Torque-reducing wrench. G. B. Farkas. 2,492,470, Dec. 27.
 Torque release clutch. C. P. Pepper. 2,484,185, Oct. 11.
 Torque responsive clutch. H. E. Carnagua and C. L. Swift. 2,459,361, Jan. 18.
 Torque responsive device, Electromagnetic. B. F. Langer and K. L. Wommack. 2,470,626, May 17.
 Torque tool. R. E. Booth. 2,461,491, Feb. 8.
 Torsigraph, Photoelectric. A. W. Zmuda and L. F. Hope. 2,491,240, Dec. 13.
 Torsion driven tool. K. G. R. Hawkins. 2,468,874, May 3.
 Torsion recoil spring. R. K. Windham. 2,491,539, Dec. 20.
 Torsional vibration exhibiting means. T. C. Van Degrift. 2,474,408, June 28.
 Total taking control. T. O. Mehan. 2,475,510, July 5.
 Totalisator system. J. Handley. 2,479,681, Aug. 23.
 Totalizer. A. Edelman. 2,473,578, June 21.
 Totalizing device, Pressure. A. A. Markson. 2,473,717, June 21.
 Totalizing system, Electronic. N. A. Moerman. 2,472,542, June 7.
 Totally enclosed nonventilated motor. L. R. Ludwig. 2,458,010, Jan. 4.
 Totaquine, Production of. J. B. Shohan. 2,462,782, Feb. 22.
 Tote box. C. W. Praeger, H. Blum, and H. Jochimsen. 2,464,343, Mar. 15.
 Touch indicator. R. T. Wing. 2,491,699, Dec. 20.
 Tourniquet. G. B. Sullivan. 2,468,133, Apr. 26.
 Tow bar. C. A. Klein. 2,488,415, Nov. 15.
 Tow bar. C. Williams. 2,472,325, June 7.
 Tow device, Ski. E. Puricelli. 2,473,300, June 14.
 Tow-pole and hitch, Trailer. P. J. Schmitz. 2,459,458, Jan. 18.
 Tow target exchange device. L. S. Jessen. 2,492,154, Dec. 27.
 Towing and release mechanism. M. J. O. Lobelle. 2,467,045, Apr. 12.
 Towing apparatus. P. N. Erickson. 2,475,280, July 5.
 Towing device, Automobile or like. C. T. Rogers. 2,481,685, Sept. 13.
 Towing device for trailers. D. Wiltsee. 2,474,296, June 28.
 Towel clip. E. F. Engleman. 2,470,811, May 24.
 Towel dispenser. L. L. Price. 2,470,187, May 17.
 Towel-holding and storing means. J. Rouso. 2,483,153, Sept. 27.
 Towel, Paper. W. H. West. 2,477,223, July 26.
 Towel rack. W. J. Jahoda. 2,460,505, Feb. 1.
 Towel rack. A. Lunde. 2,476,555, July 19.
 Towel rack. J. Rouso. 2,487,896, Nov. 15.
 Towel rack. E. G. Slater. 2,473,771, June 21.
 Tower structure. E. R. St. John. 2,459,198, Jan. 18.
 Toy. S. L. Beder. 2,475,306, July 5.
 Toy. E. G. Buchmann. 2,463,355, Mar. 1.
 Toy. D. C. Dozier. 2,470,476, May 17.
 Toy. R. A. Fernald. 2,482,334, Sept. 20.
 Toy. E. C. Hillhouse. 2,461,644, Feb. 15.
 Toy. D. K. Holliday. 2,466,107, Apr. 5.
 Toy. G. W. Krebs. 2,463,397, Mar. 1.
 Toy. K. Paclayan. 2,485,064, Oct. 18.
 Toy. W. C. Weisgerber. 2,467,102, Apr. 12.
 Toy, Aerial. S. P. Rose. 2,464,720, Mar. 15.
 Toy airplane. E. W. Baggott. 2,469,144, May 3.
 Toy, Airplane. A. W. Brown. 2,465,788, Mar. 29.
 Toy, Airplane. H. Hinton. 2,478,695, Aug. 9.
 Toy, Airplane. J. Moeller. 2,474,750, June 28.
 Toy, Airplane. F. L. Murphy. 2,470,407, May 17.
 Toy airplane control. H. L. Meister. 2,490,313, Dec. 6.
 Toy airplane, Inflatable. W. C. Miller. 2,476,678, July 19.
 Toy and track therefor. C. P. Rendine. 2,492,319, Dec. 27.
 Toy, Animated. J. A. Links and C. M. Freeman. 2,467,139, Apr. 12.
 Toy animation picture device. K. Juhn. 2,478,697, Aug. 9.
 Toy, Balancing figure wheeled. P. Tomnie. 2,489,206, Nov. 22.
 Toy, Ball shooting. C. W. Brimhall. 2,479,721, Aug. 23.
 Toy bank. F. Damiano. 2,472,064, June 7.
 Toy bank. E. P. Lepper. 2,490,275, Dec. 6.
 Toy blocks. J. Levin. 2,483,833, Oct. 4.
 Toy blocks, Educational. J. N. Corcodillos. 2,482,402, Sept. 20.
 Toy bomber. H. F. Wheeler. 2,483,164, Sept. 27.
 Toy book. J. S. Meyer. 2,489,240, Nov. 22.
 Toy book, Educational. J. A. Links. 2,484,895, Oct. 18.
 Toy, Building. W. J. Bostic. 2,465,005, Mar. 22.
 Toy building blocks with closure panes. O. P. Erhardt. 2,461,535, Feb. 15.
 Toy cap rifle. B. Eulenfeld. 2,481,301, Sept. 6.
 Toy car, Miniature animal. J. N. and S. M. O'Connor. 2,473,295-6, June 14.
 Toy, Child's educational. R. Wheelock. 2,474,447, June 28.
 Toy, Coaster. D. Benlon. 2,479,715, Aug. 23.
 Toy coin projecting pistol. H. F. Burt and A. Theis. 2,488,960, Nov. 22.
 Toy construction unit. L. Hoffman and H. A. Chaplin. 2,487,654, Nov. 8.
 Toy corn picker. K. E. Wisslead. 2,491,886, Dec. 20.
 Toy, Dancing figure. B. C. King. 2,467,040, Apr. 12.
 Toy, Drive-peg. O. E. Larsen, Jr. 2,487,562, Nov. 8.
 Toy, Educational. L. J. Bair. 2,489,003, Nov. 22.
 Toy, Educational. A. J. Essington. 2,490,342, Dec. 6.
 Toy, Educational. D. M. Hollowell. 2,476,194, July 12.
 Toy, Educational. D. E. Johnson. 2,459,321, Jan. 18.
 Toy, Educational. J. F. Winnemore. 2,491,404, Dec. 13.
 Toy, Educational cutout doll dressing. P. E. Wallace. 2,479,052, Aug. 16.
 Toy, Exercising. R. O. Varnum. 2,477,504, July 26.

- Toy, Exploding ship. H. C. Holt. 2,472,297, June 7.
 Toy, Extensible figure wheeled. D. A. Campbell. 2,471,722, May 31.
 Toy ferry system. W. L. Shephard. 2,474,376, June 28.
 Toy, Figured spinning. F. Harris. 2,458,851, Jan. 11.
 Toy fireboat. G. Greenberg. 2,492,215, Dec. 27.
 Toy, Flying bird. L. M. and A. P. Rheingold. 2,489,107, Nov. 22.
 Toy gear. L. W. Cole. 2,477,441, July 26.
 Toy gear. E. W. Farmer. 2,468,966, May 3.
 Toy, Graphic facsimile. D. W. Moore, Jr. 2,474,545, June 28.
 Toy gun. A. H. Boese. 2,458,828, Jan. 11.
 Toy gun. L. Edwards. 2,476,138, July 12.
 Toy gun. C. G. Nitz and C. F. Hofmeier. 2,476,212, July 12.
 Toy gun. S. A. Savitt. 2,487,481, Nov. 8.
 Toy gun, Self-feeding paper bursting. O. A. Lango. 2,490,991, Dec. 13.
 Toy, Hat trick. E. L. Enoch. 2,471,676, May 31.
 Toy holder for children's chairs. L. H. Riegel. 2,490,230, Dec. 6.
 Toy horse. L. M. J. Foulke. 2,472,797, June 14.
 Toy housing. E. C. Karwacki. 2,480,030, Aug. 23.
 Toy, Jet-propelled airplane. T. A. Schaad. 2,484,468, Oct. 11.
 Toy kite. F. J. Benson. 2,483,614, Oct. 4.
 Toy machine gun. W. O. Blake. 2,473,272, June 14.
 Toy machine gun operating mechanism. C. F. Clark. 2,478,567, Aug. 9.
 Toy, Magnetic wheeled. C. H. Gibson. 2,486,273, Oct. 25.
 Toy, Marble rolling. A. H. Strohm. 2,492,899, Dec. 27.
 Toy matador game. W. L. Ripley. 2,464,261, Mar. 15.
 Toy, Mechanical riding. J. M. Romero and G. V. Glumer. 2,476,915, July 19.
 Toy, Molding. B. Phak. 2,458,728, Jan. 11.
 Toy, Moving picture. E. M. Leigh. 2,469,602, May 10.
 Toy, Musical. T. L. Bonkowski and H. Solloway. 2,486,549, Nov. 1.
 Toy, Musical. J. Green. 2,487,021, Nov. 1.
 Toy musical instrument. J. C. Bancroft. 2,475,213, July 5.
 Toy musical instrument. J. L. Goldstein and M. A. Strumor. 2,479,738, Aug. 23.
 Toy musical instrument. G. Prohl. 2,472,681, June 7.
 Toy, Ocular. H. A. Papke. 2,484,116, Oct. 11.
 Toy of the ball and runaway type. M. P. Marong. 2,466,116, Apr. 5.
 Toy or game apparatus, Rotating pointer racing. F. R. Michael. 2,486,752, Nov. 1.
 Toy or puzzle, Mystery. J. C. Wilson. 2,458,969-70, Jan. 11.
 Toy paddle, Basketball. S. Axelrod. 2,471,511, May 31.
 Toy photograph, Miniature. I. Gold. 2,470,435, May 17.
 Toy pistol. J. E. Brubaker. 2,477,083, July 26.
 Toy plastic molding set. R. Friestedt and R. C. Halfer. 2,466,407, Apr. 5.
 Toy player piano. H. N. Barnum. 2,487,413, Nov. 8.
 Toy projectile. L. Armstrong. 2,478,224, Aug. 9.
 Toy projectile. G. S. Stevens. 2,484,320, Oct. 11.
 Toy, Pull. A. Behrens. 2,475,072, July 5.
 Toy pump gun. C. F. Lefever. 2,484,515, Oct. 11.
 Toy railroad and sound producing means therefor, Combined. J. H. McKnight. 2,459,038, Jan. 11.
 Toy railroad track layout. F. Pettit. 2,479,022, Aug. 16.
 Toy reflector and support. N. M. Soule. 2,463,817, Mar. 8.
 Toy, Remotely controlled. J. W. Arpin. 2,488,464, Nov. 15.
 Toy repeating rubber band gun. J. R. Crnich. 2,462,723, Feb. 22.
 Toy riding pony. F. A. Brown. 2,490,410, Dec. 6.
 Toy riding spur. C. E. Bowers. 2,468,918, May 3.
 Toy, Rocking. R. E. Daellenbach. 2,470,473, May 17.
 Toy, Rolling. J. Davis. 2,473,574, June 21.
 Toy, Rope spinning. J. R. O'Neill. 2,486,609, Nov. 1.
 Toy, Sectional. T. L. Bonkowski and H. Solloway. 2,486,550, Nov. 1.
 Toy, Separation. I. Ribbe. 2,467,781, Apr. 19.
 Toy shovel. H. R. Stuckey and W. N. Yates. 2,466,619, Apr. 5.
 Toy shovel, Mechanical. G. E. Brown. 2,478,084, Aug. 2.
 Toy signal device. E. P. Lepper. 2,486,299, Oct. 25.
 Toy spur. J. L. MacDonald. 2,484,898, Oct. 18.
 Toy steering wheel and gear shift. L. Solomon. 2,486,219, Oct. 25.
 Toy target device. B. Shenker. 2,484,912, Oct. 13.
 Toy, Tethered projectile. J. A. Terrell. 2,485,788, Oct. 25.
 Toy train, Magnetic. C. R. Shortt. 2,461,088, Feb. 8.
 Toy, Tumbling. H. I. Killam. 2,465,808, Mar. 29.
 Toy typewriter. S. I. Berger. 2,458,137, Jan. 4.
 Toy typewriter. S. I. Berger. 2,486,702, Nov. 1.
 Toy vehicle and the like, Convertible. F. F. Giese. 2,481,837, Sept. 13.
 Toy wagon. A. B. Carmichael. 2,457,865, Jan. 4.
 Toy wagon. W. L. Hayhurst. 2,481,114, Sept. 6.
 Toy wagon. H. L. Seiden. 2,474,373, June 28.
 Toy, Wheeled. F. G. Hanback. 2,492,040, Dec. 20.
 Toy, Wheeled. H. B. Morris. 2,464,338, Mar. 15.
 Toy, Wheeled. M. C. Pacheco. 2,487,940, Nov. 17.
 Toy, Wheeled. E. Stapan. 2,486,994, Nov. 1.
 Toy which is actuated to simulate the actions of a fowl. A. Goldfarb. 2,479,488, Aug. 16.
 Toy, Whirling. U. T. Walker. 2,462,576, Feb. 22.
 Toy, Whistling. T. R. Duncan. 2,485,142, Oct. 18.
 Toy, Windmill. R. and H. L. Borza. 2,491,706, Dec. 20.
 Toy with magnetic assembly. S. H. Leblang. 2,465,971, Mar. 29.
 Toy with sound producing means, Inflated. E. Harrowe. 2,487,546, Nov. 8.
 Toys, Manufacturing dipped. R. Mafko. 2,478,771, Aug. 9.
 Tracer mechanism for machine tools. E. E. Hallberg and J. C. Verstynen. 2,473,584, June 21.
 Tracer with power-driven steerable traction wheel. N. E. Anderson. 2,461,585, Feb. 15.
 Tracing device. W. Begerow. 2,468,802, May 3.
 Track cleaner. M. S. Wittner. 2,475,771, July 12.
 Track, Endless. T. P. Flynn and T. Coldwell. 2,461,150, Feb. 8.
 Track, Endless. R. G. Le Tourneau. 2,474,057, June 21.
 Track, Endless band. H. A. Knox. 2,487,813, Nov. 15.
 Track, Endless band. A. B. Skromme. 2,476,823, July 19.
 Track for vehicles. C. O. Slemmons. 2,476,459, July 19.
 Track for vehicles, Endless. P. H. Johnson and L. W. Tripp. 2,462,643, Feb. 22.
 Track, Roller. D. T. Brinkley. 2,472,514, June 7.
 Track stop for cameras and the like. R. E. Prentice. 2,467,776, Apr. 19.
 Track, Tractor. J. L. Deffenbaugh. 2,481,727, Sept. 13.
 Track, Vehicle. C. O. Slemmons and R. W. Smith. 2,461,849, Feb. 15.
 Tracks, Making vane. W. Ferris. 2,467,121, Apr. 12.
 Tracking device. S. Darlington and C. A. Lovell. 2,468,179, Apr. 26.
 Traction apparatus. R. F. Skelton. 2,467,947, Apr. 19.
 Traction appliance for motor vehicle wheels, Antiskid. E. P. Schwab. 2,474,696, June 28.
 Traction chain device. R. C. Goff. 2,481,308, Sept. 6.
 Traction device. C. W. Boone. 2,473,782, June 21.
 Traction device. T. D. Dritz. 2,470,607, May 17.
 Traction device. C. J. Lindenthaler. 2,469,235, May 3.
 Traction device. G. H. Merrick. 2,479,760, Aug. 23.
 Traction device. H. T. Summa. 2,466,918, Apr. 12.
 Traction device, Emergency. T. Dunner and W. Keller. 2,464,564, Mar. 15.
 Traction device for vehicle wheels. L. C. Farley. 2,491,366, Dec. 13.
 Traction device for wheels. H. C. Halford. 2,474,939, July 5.
 Traction device, Vehicle. G. W. Smith, Jr. 2,474,640, June 28.
 Traction device, Wheel. W. A. C. Angermann. 2,485,544, Oct. 25.
 Traction-gaining device. E. Linderme. 2,474,262, June 28.
 Tractor, Agricultural. H. Hutchings. 2,467,483, Apr. 19.
 Tractor, Agricultural. H. Hutchings. 2,477,252, July 26.
 Tractor and implement hitch, Automatic. R. R. Wymore. 2,459,731, Jan. 18.
 Tractor boom, Telescoping. G. B. and A. C. Moulton. 2,461,433, Feb. 8.
 Tractor brake lock. A. C. Thompson. 2,463,657, Mar. 8.
 Tractor bumper. B. F. Arps. 2,492,410, Dec. 27.
 Tractor clevis, Heavy-duty. F. W. Hoffmeyer. 2,464,864, Mar. 22.
 Tractor drive mechanism. G. Albright. 2,474,085, June 21.
 Tractor equipped with laterally shiftable earth working implement, Garden. E. H. Barnes. 2,484,264, Oct. 11.
 Tractor fifth-wheel safety lock. C. L. Moore. 2,462,211, Feb. 22.
 Tractor, Hand guided. G. F. Simpkins. 2,477,945, Aug. 2.
 Tractor hitch bracket. D. Currie. 2,462,726, Feb. 22.
 Tractor implement and control. R. E. Hartsock and R. W. Henss. 2,482,751, Sept. 27.
 Tractor jack. T. W. Poor and J. E. Kisinger. 2,463,305, Mar. 1.
 Tractor ram, Extensible. G. L. Bliss. 2,477,167, July 26.
 Tractor, Short wheel base. O. R. Schoenrock. 2,491,283, Dec. 13.
 Tractor switch. W. A. Lee. 2,463,980, Mar. 8.
 Tractor-trailer drive coupling. M. J. Hanlon. 2,485,878, Oct. 25.
 Tractor trailer electrical coupling. W. O. Folger. 2,472,069, June 7.
 Tractor-trailer road vehicle coupling. T. H. Rivers. 2,474,986, July 5.
 Tractor tread. R. B. Boltman. 2,470,801, May 24.
 Tractor vehicle. C. O. Slemmons. 2,461,850, Feb. 15.
 Tractor, Walking. W. E. Urschel. 2,491,064, Dec. 13.
 Traffic control system. P. J. Herbst. 2,490,268, Dec. 6.
 Traffic control system. W. C. Pennell. 2,465,115, Mar. 22.
 Traffic detecting apparatus. P. N. Martin. 2,492,388, Dec. 27.
 Traffic directing device for garages, Automatic. P. H. Burn. 2,482,610, Sept. 20.
 Traffic protection apparatus. L. E. Spray. 2,478,601, Aug. 9.
 Traffic safety light. L. C. Edwards. 2,485,719, Oct. 25.
 Traffic signal stand. H. B. Frye. 2,487,644, Nov. 8.
 Traffic signaling device support. C. D. Ryder. 2,458,482, Jan. 4.

- Trailer. W. F. Aycock. 2,460,442, Feb. 1.
 Trailer. D. R. Boone. 2,475,174, July 5.
 Trailer. W. D. Keys. 2,491,378, Dec. 13.
 Trailer, Automobile. A. S. Heggen. 2,462,964, Mar. 1.
 Trailer, Automobile transporting. J. A. Baker. 2,492,829, Dec. 27.
 Trailer, Boat. L. A. Holmes. 2,489,414, Nov. 29.
 Trailer, Boat. I. D. Vassar. 2,485,793, Oct. 25.
 Trailer, Boat carrier. E. T. Reid. 2,478,424, Aug. 9.
 Trailer body construction. J. J. Black. 2,459,766, Jan. 18.
 Trailer, Camp. D. W. Walls. 2,475,928, July 12.
 Trailer, Camping. R. F. Hardy. 2,459,026, Jan. 11.
 Trailer chimney. L. C. Goodwin. 2,462,353, Feb. 22.
 Trailer, Collapsible. J. H. Stark, Jr. 2,461,577, Feb. 15.
 Trailer combination, Boat. E. J. Henningsen. 2,460,935, Feb. 8.
 Trailer connection. W. E. Martin. 2,471,636, May 31.
 Trailer construction. R. D. Whalen and S. Berg. 2,473,795, Aug. 9.
 Trailer construction, House. J. E. Rebours. 2,484,312, Oct. 11.
 Trailer coupling. W. Bennett. 2,471,555, May 31.
 Trailer coupling. T. Hotchkiss, Sr. 2,471,689, May 31.
 Trailer, Dirigible. G. D. Willet. 2,485,853, Oct. 25.
 Trailer dolly. H. P. Brown. 2,469,152, May 3.
 Trailer draft member and support. M. Spen. 2,484,429, Oct. 11.
 Trailer drawbar support. J. E. Luttrell. 2,474,483, June 28.
 Trailer, Dump. C. C. Pfantz and H. L. Rabe. 2,491,417, Dec. 13.
 Trailer, Folding wheel. K. Kerr and M. Swenson. 2,469,506, May 10.
 Trailer for motor vehicles. D. T. de V. Brand. 2,490,014, Dec. 6.
 Trailer, Four-wheel. C. Williams. 2,483,684, Oct. 4.
 Trailer, Gooseneck. R. H. Danhaus. 2,481,005, Sept. 6.
 Trailer hitch. E. W. Vars. 2,483,567, Oct. 4.
 Trailer hitch and brake-actuating means. G. Swain. 2,483,074, Sept. 27.
 Trailer hitch and brake control means, Combined. L. R. Symmonds. 2,476,003, July 12.
 Trailer hitch and bumper guard, Combination. H. C. Tyson. 2,487,496, Nov. 8.
 Trailer, House moving. E. Schuette. 2,463,647, Mar. 8.
 Trailer lift. P. P. Lutz. 2,465,244, Mar. 22.
 Trailer, Loading. C. E. Stephens. 2,463,212, Mar. 1.
 Trailer mower, Adjustable power-operated. W. C. Nabors. 2,475,716, July 12.
 Trailer structure. H. J. Livermois. 2,475,971, July 12.
 Trailer stub pole surge brake. C. B. Richey. 2,463,716, Mar. 8.
 Trailer, Tent. A. C. Brenneman. 2,485,475, Oct. 18.
 Trailer tire deflation signal. C. T. Pratt. 2,469,931, May 10.
 Trailer, Tractor. G. B. and M. H. Kahres. 2,462,404, Feb. 22.
 Trailer, Vehicle. W. B. MacDonald, Jr. 2,481,230, Sept. 6.
 Trailer, Windrow. F. E. Maurits. 2,482,014, Sept. 13.
 Trailer with tiltable body. J. E. Ecklund. 2,485,869, Oct. 25.
 Trailing skid vanes. A. Raspet. 2,464,185, Mar. 8.
 Train control system. H. P. Folker. 2,486,271, Oct. 25.
 Train stop mechanism. G. G. Ensign, R. R. Lawson, E. H. Schaefer and W. M. Wochos, Jr. 2,488,057, Nov. 15.
 Train warning signal light. F. B. Hank. 2,477,299, July 26.
 Trainer, Aircraft personnel. C. E. Germanton. 2,460,743, Feb. 1.
 Trainer, Aviation. K. A. Kail. 2,465,158, Mar. 22.
 Trainer for aerial gunners, Aircraft. R. C. Dehmel. 2,471,315, May 24.
 Trainer for aircraft, Ground. R. B. Buchanan. 2,470,468, May 17.
 Trainer for aircraft personnel, Ground. J. J. Lukacs and R. O. Rippere. 2,471,966, May 31.
 Trainer for enabling the giving of radio instruction. E. L. Baulch. 2,458,550, Jan. 11.
 Trainer for simulating the engines and propeller vibrations of multiengine airplanes, Ground. J. J. Lukacs. 2,486,488, Nov. 1.
 Trainer, Ship recognition. T. F. Broady, R. C. Heerdink, and L. C. Marcheski. 2,484,814, Oct. 18.
 Trainer, Star recognition. E. H. Wenberg. 2,477,027, July 26.
 Trainer, Transition. G. H. Hollingsworth, E. V. Burton, and R. A. Traficante. 2,481,510, Sept. 13.
 Training apparatus. M. W. Edinburg. 2,485,266, Oct. 18.
 Training apparatus for simulating gyrocompasses. R. C. Dehmel. 2,463,603, Mar. 8.
 Training apparatus, Gunfire control. G. Ekstrom and P. W. Dietmann. 2,471,368, May 24.
 Training apparatus, Optical. R. C. Dehmel. 2,474,096, June 21.
 Training apparatus, Sound ranging. C. M. Beyer and E. M. Bolze. 2,459,679, Jan. 18.
 Training device, Gunnery. R. B. Buchanan. 2,459,867, Jan. 25.
 Training device, Radio navigation. G. A. Decker. 2,485,262, Oct. 18.
 Training device, Visual. H. B. Marder. 2,472,114, June 7.
 Training device with error indication, Radio object locating. O. Cesareo. 2,492,356, Dec. 27.
 Trammel. C. J. O'Rourke. 2,463,796, Mar. 8.
 Tramway. H. D. Ralston and R. A. Pearson. 2,469,575, May 10.
 Transcriber for ink recorder tape. L. F. Sherwood. 2,480,386, Aug. 30.
 Transducer adapted to compensate for twisting of record wire, Magnetic. D. E. Sunstein. 2,469,750, May 10.
 Transducer adapted to compensate for twisting of the record wire, Magnetic. H. E. Tompkins. 2,471,251, May 24.
 Transducer and its combination with a radio receiver, Variable bridge. J. H. Owens. 2,488,927, Nov. 22.
 Transducer and making the same. R. B. Gray. 2,486,560, Nov. 1.
 Transducer and switching system, Interchangeable magnetic. D. E. Ross and W. E. Stofer. 2,468,782, May 3.
 Transducer device, Electromechanical. C. K. Gravley. 2,477,596, Aug. 2.
 Transducer device, Phonographic. G. C. Tibbetts. 2,474,993, July 5.
 Transducer, Electroacoustic. L. E. Barton. 2,473,846, June 21.
 Transducer, Electroacoustical. G. M. Giannini. 2,463,762, Mar. 8.
 Transducer, Electromechanical. J. P. Arndt, Jr. 2,487,962, Nov. 15.
 Transducer, Electromechanical. A. C. Keller. 2,484,626, Oct. 11.
 Transducer, Electronic. H. F. Olson. 2,491,390-1, Dec. 13.
 Transducer, Frequency controlled. F. Rieber. 2,469,785, May 10.
 Transducer having an irregular nonmagnetic gap, Magnetic. H. A. Howell. 2,469,266, May 3.
 Transducer, Magnetic sound recording and reproducing. H. E. Roys. 2,469,444, May 10.
 Transducer, Magnetostrictive. H. F. Olson and J. Preston. 2,468,270, Apr. 26.
 Transducer, Magnetostrictive. R. L. Peek, Jr. 2,468,837, May 3.
 Transducer means. F. Massa. 2,475,148, July 5.
 Transducer mechanism. G. C. Newton, Jr. 2,490,150, Dec. 6.
 Transducer, Phonographic. W. K. Rieber. 2,476,684, July 19.
 Transducer, Piezoelectric. H. B. Shaper. 2,490,236, Dec. 6.
 Transducer, Pressure responsive. C. Frondel. 2,486,146, Oct. 25.
 Transducer, Underwater. D. E. Ross. 2,473,971, June 21.
 Transducer with recording damping means, Dual purpose. W. K. Rieber. 2,476,685, July 19.
 Transducer with separable pole faces, Magnetic. W. P. West. 2,459,299, Jan. 18.
 Transducer with wear-resistant guide surfaces, Magnetic. E. Keller and F. Roggen. 2,484,097, Oct. 11.
 Transducing system to compensate for torsion in a magnetic record wire. J. Neufeld. 2,476,110, July 12.
 Transfer apparatus. Bus. K. Mahnke. 2,459,662, Jan. 18.
 Transfer car. W. E. Ehinger. 2,483,817, Oct. 4.
 Transfer device. D. A. McNaughton. 2,465,028, Mar. 22.
 Transfer hammer dog for automatic looms, Horizontally movable. J. Stuer. 2,486,997, Nov. 1.
 Transfer mechanism. R. C. Cerruti. 2,459,264, Jan. 18.
 Transfer mechanism for counters. H. N. Bliss. 2,483,359, Sept. 27.
 Transfer mechanism for tabulators and the like, Data. E. E. Libman. 2,483,551, Oct. 4.
 Transfer mechanism, Tens. E. P. Drake. 2,472,696, June 7.
 Transfer molding press. H. W. Dalton. 2,465,204, Mar. 22.
 Transfer molding press. A. De Ghetto. 2,475,378, July 5.
 Transfer molding press. K. W. Hall. 2,490,625, Dec. 6.
 Transfer system. G. L. Claybourn. 2,473,863, June 21.
 Transferring apparatus, Article. A. Wennerberg. 2,463,928, Mar. 8.
 Transferring lapped sheets. H. E. Peyrebrune and B. B. Pasquelli. 2,466,862, Apr. 12.
 Transferring machine, Pottery ware. W. J. Miller. 2,468,405, Apr. 26.
 Transferring mechanism, Fastener. J. T. Lancaster. 2,468,212, Apr. 26.
 Transferring sheets, Method and means for. B. B. Pasquelli. 2,478,053, Aug. 2.
 Transformer. S. Beamer. 2,464,287, Mar. 15.
 Transformer. P. Berger. 2,461,957, Feb. 15.
 Transformer. P. Berger. 2,472,882, June 14.
 Transformer. S. Di Vita and J. H. Krajewski. 2,464,218, Mar. 15.
 Transformer. E. H. Freeman. 2,473,420, June 14.
 Transformer. E. H. Freeman. 2,473,746, June 21.
 Transformer. A. W. Friend. 2,476,854, July 19.
 Transformer. D. O. Schwenesen. 2,488,742, Nov. 22.
 Transformer. M. Silver. 2,485,666, Oct. 25.
 Transformer, Adjustable coupling. R. A. Braden. 2,477,475, July 26.
 Transformer, Adjustable current. A. C. Mulder. 2,475,044, July 5.

- Transformer, Adjustable current. R. C. Pomeroy. 2,472,546, June 7.
- Transformer arrangement, Polyphase. H. A. Strickland, Jr. 2,484,866, Oct. 18.
- Transformer, Ballast reactor. L. Maurer. 2,486,307, Oct. 25.
- Transformer calibrating apparatus. R. A. Caldwell. 2,481,198, Sept. 6.
- Transformer, Compensated magnetic-leakage-type. W. Foerste. 2,474,624, June 28.
- Transformer connection, Welding current. W. A. Soley, Jr. 2,464,061, Mar. 8.
- Transformer construction, Three-phase. C. W. Brown. 2,458,052, Jan. 4.
- Transformer construction, Three-phase. A. G. Steinmayer. 2,458,112, Jan. 4.
- Transformer control circuit. F. L. Brandt, Jr. 2,489,697, Nov. 29.
- Transformer control system, Welding. D. Journeaux. 2,486,165-6, Oct. 25.
- Transformer, Controlled peaking. H. Klemperer. 2,466,028, Apr. 5.
- Transformer cores, Making wound. H. W. Dornbush. 2,489,625, Nov. 29.
- Transformer, Current. J. P. Smith, Jr. 2,476,121, July 12.
- Transformer, Direct-current. G. E. Mallinckrodt. 2,467,840, Apr. 19.
- Transformer, Dynamo. R. K. Mueller. 2,488,734, Nov. 22.
- Transformer, Electric. W. Kram. 2,462,106, Feb. 22.
- Transformer for banking service, Distribution. A. D. Forbes. 2,476,139, July 12.
- Transformer for banking service, Distribution. J. K. Hodnette. 2,476,147, July 12.
- Transformer for transforming direct current into three-phase current, Resistance. R. Strub. 2,484,867, Oct. 18.
- Transformer, High-frequency. H. C. Early, W. G. Dow, and R. Ohlsson. 2,474,395, June 28.
- Transformer, High-frequency matching. G. Guanella. 2,470,307, May 17.
- Transformer, High reactance. C. E. Derbyshire. 2,481,985, Sept. 13.
- Transformer, Hydraulic. J. C. Hanna. 2,484,884, Oct. 18.
- Transformer, Interceptor. J. R. Wiegand. 2,479,656, Aug. 23.
- Transformer, Leakage reactance. W. Kendrick. 2,491,567, Dec. 20.
- Transformer, Lighting. P. Berger. 2,472,140, June 7.
- Transformer load indicator. D. M. Duinker. 2,475,017, July 5.
- Transformer mounting. W. H. Gilman. 2,459,023, Jan. 11.
- Transformer, Multiphase power. H. L. Hoepfner. 2,488,628, Nov. 22.
- Transformer, Permeability tuned. K. B. Ross. 2,461,397, Feb. 8.
- Transformer, Radio-frequency distribution. J. B. Gehman and A. H. Turner. 2,469,162, May 3.
- Transformer, Regulated. L. Lorant. 2,471,222, May 24.
- Transformer, Resonant differential. H. Schaevitz. 2,461,238, Feb. 8.
- Transformer responding to variations in amplitude of input waves. W. B. Callaway. 2,481,644, Sept. 13.
- Transformer spark plug. A. C. Wall. 2,459,856, Jan. 25.
- Transformer system. T. A. O. Gross. 2,475,611, July 12.
- Transformer system. C. H. Willis. 2,476,077, July 12.
- Transformer system, Tap-changing. L. J. Hibbard, J. B. Gibbs, and R. L. Brown. 2,467,747, Apr. 19.
- Transformer system, Tap changing. N. Sjöberg. 2,482,441, Sept. 20.
- Transformer system, Variable output. J. C. McDonald. 2,463,546, Mar. 8.
- Transformer tank. M. B. Mallett. 2,481,134, Sept. 6.
- Transformer, Variable differential. E. G. Ashcraft. 2,459,210, Jan. 18.
- Transformer, Variable output welding. E. A. Hobart. 2,490,354, Dec. 6.
- Transformer, Variable voltage. J. F. Hysler. 2,468,446, Apr. 26.
- Transformer windings. W. B. Biebesheimer. 2,470,598, May 17.
- Transformer with variable magnetic shunt. G. G. Landis. 2,475,623, July 12.
- Transformers, Making. R. C. Erhman. 2,464,029, Mar. 8.
- Transforming mechanism, Motion. J. A. Hardman. 2,480,854, Sept. 6.
- Transfusion apparatus. J. E. Meagher. 2,461,558, Feb. 15.
- Translating device, Electric. R. S. John. 2,492,429, Dec. 27.
- Translating device, Electrical. G. C. Southworth. 2,460,109, Jan. 25.
- Translating device, Self-biased electric. H. L. Barney. 2,486,776, Nov. 1.
- Translating device, Sound. R. G. Leftner. 2,478,538, Aug. 9.
- Translating mechanism, Motion. G. Janson, Jr. 2,468,074, Apr. 26.
- Translating system. M. Arditi, I. H. Franzel, and J. Feinstein. 2,474,811, July 5.
- Translation of duration modulated code pulses into equal length code pulses. P. F. M. Gloess and L. J. Libois. 2,485,821, Oct. 25.
- Translator. M. Arditi, I. H. Franzel, and J. Feinstein. 2,492,346, Dec. 27.
- Translator and making it, Electrical. K. M. Olsen. 2,462,218, Feb. 22.
- Translator, Code. K. A. Sylvester. 2,466,920, Apr. 12.
- Translator, including impedance matching, Electroacoustic. F. P. Best. 2,481,068, Sept. 6.
- Translator, Pulse. S. H. M. Dodington. 2,492,137, Dec. 27.
- Translator, Telegraph signal code. E. F. Watson. 2,459,904, Jan. 25.
- Transload device. A. E. Brickman and M. E. Capouch. 2,482,836, Sept. 27.
- Transmission. F. W. Avila. 2,464,479, Mar. 15.
- Transmission. M. S. Baker. 2,471,688, May 31.
- Transmission. M. S. Baker. 2,488,756, Nov. 22.
- Transmission. E. P. Bullard, III, and E. N. Cowell. 2,466,574, Apr. 5.
- Transmission. H. E. Carnagua. 2,466,206, Apr. 5.
- Transmission. H. E. Churchill. 2,459,793, Jan. 25.
- Transmission. C. J. Conkle. 2,488,660, Nov. 22.
- Transmission. H. R. Greenlee. 2,481,212, Sept. 6.
- Transmission. P. V. Haigh and W. S. Horton. 2,481,997, Sept. 13.
- Transmission. W. A. Hasbany. 2,478,868-9, Aug. 9.
- Transmission. V. J. Jandasek. 2,480,933, Sept. 6.
- Transmission. J. Kochis. 2,480,032, Aug. 23.
- Transmission. R. Lapsley. 2,480,938, Sept. 6.
- Transmission. G. H. Stegkemper. 2,482,298, Sept. 20.
- Transmission. E. O. Wheaton. 2,465,334, Mar. 22.
- Transmission, Agricultural machine. T. H. Oppenheim. 2,486,799, Nov. 1.
- Transmission and clutch, Hydraulic. R. I. Cumming. 2,473,638, June 21.
- Transmission and differential, Variable-speed fluid. B. Diamond. 2,477,967, Aug. 2.
- Transmission and overdrive, Automatic. R. F. Kohr. 2,466,318, Apr. 5.
- Transmission and receiving apparatus, Signal. H. F. Olson. 2,461,344, Feb. 8.
- Transmission, Angle drive torque converter. C. D. Peterson and A. H. Deimel. 2,459,093, Jan. 11.
- Transmission, Automatic. J. C. Chamberlain. 2,459,363, Jan. 18.
- Transmission, Automotive. N. E. Wahlberg. 2,470,274, May 17.
- Transmission, Auxiliary. B. B. Bachman and D. J. Macklin. 2,459,911, Jan. 25.
- Transmission, Auxiliary. H. M. Clark. 2,489,699, Nov. 29.
- Transmission, Auxiliary. G. B. Sherman and H. M. Clark. 2,487,735, Nov. 8.
- Transmission, Belt. E. J. Otto. 2,487,980, Nov. 15.
- Transmission belt, Flat power. S. D. Lesesne. 2,491,188, Dec. 13.
- Transmission belt joint. A. J. Vasselli. 2,461,859, Feb. 15.
- Transmission belt, Power. E. A. Miller. 2,461,169, Feb. 8.
- Transmission, Change-speed. O. H. Banker. 2,465,832, Mar. 29.
- Transmission, Change-speed. O. H. Banker. 2,482,573, Sept. 20.
- Transmission control. J. C. Auten. 2,481,465, Sept. 6.
- Transmission control. O. W. Schotz. 2,487,482, Nov. 8.
- Transmission control for lathes, Headstock. H. J. Siekmann and R. M. Bacon. 2,464,619, Mar. 15.
- Transmission control mechanism. J. C. Auten. 2,478,356, Aug. 9.
- Transmission control, Radio. D. Mitchell. 2,491,276, Dec. 13.
- Transmission control system. A. C. Dickieson. 2,460,075, Jan. 25.
- Transmission control, Tractor. R. E. Farmer. 2,488,469, Nov. 15.
- Transmission device, Automatic variable-speed. E. J. Consier. 2,470,390, May 17.
- Transmission device, Power. F. S. Thomas, Jr. 2,487,002, Nov. 1.
- Transmission device, Variable-speed power. C. E. Grosser and W. M. Gilman. 2,467,739, Apr. 19.
- Transmission drive adjustment, Power. H. J. Mertz. 2,458,720, Jan. 11.
- Transmission drive assembly. F. L. Lawrence. 2,466,320, Apr. 5.
- Transmission, Dry shaver. F. Tamborello. 2,489,833, Nov. 29.
- Transmission, Dual fluid coupling power. A. O. Roberts. 2,488,478, Nov. 15.
- Transmission for automatic lathes, Change-speed. E. Bodmer. 2,461,027, Feb. 8.
- Transmission for bicycles, Two-speed. R. H. Warburton. 2,479,654, Aug. 23.
- Transmission for fishing reels. H. M. Sears and T. S. Pfueger. 2,487,387, Nov. 8.
- Transmission for garden tractors, Drive. J. F. Osterhaus. 2,461,391, Feb. 8.
- Transmission for motor vehicles, Automatic. C. Valle. 2,469,799, May 10.

- Transmission for power lawn mowers. J. A. Carlson. 2,464,175, Mar. 8.
- Transmission forward and reverse gear with toggle joint control. H. A. Knox and R. I. Strickland. 2,477,983, July 26.
- Transmission gearing. L. B. MacGregor. 2,458,396, Jan. 4.
- Transmission gearshift lock. M. D. Stewart and C. F. Adams. 2,487,283, Nov. 8.
- Transmission gear shifting mechanism, Headstock. H. E. Laubach, R. C. Johnson, and V. J. Kramer. 2,469,881, May 10.
- Transmission, Hydraulic. A. Dunn and O. C. Eiland. 2,468,964, May 3.
- Transmission, Hydraulic. W. Ferris. 2,480,403, Aug. 30.
- Transmission, Hydraulic. V. E. Gleasman. 2,471,031, May 24.
- Transmission, Hydraulic. G. A. Wahlmark. 2,474,706, June 28.
- Transmission, Hydraulic variable-speed. D. C. Ferreira. 2,464,494, Mar. 15.
- Transmission, Hydraulic variable-speed motion. G. E. and L. Hollman. 2,488,408, Nov. 15.
- Transmission, Hydraulically controlled variable-speed. H. J. Wood. 2,485,126, Oct. 18.
- Transmission line. S. B. Pickles. 2,474,277, June 28.
- Transmission line energy indicator. J. W. Alexander. 2,467,648, Apr. 19.
- Transmission line, Folded. N. E. Lindenblad. 2,462,410, Feb. 22.
- Transmission line system. R. S. Wehner. 2,462,443, Feb. 22.
- Transmission line, Wide band high-frequency. M. W. Scheldorf. 2,473,262, June 14.
- Transmission lubricant retainer. H. E. Heise. 2,492,041, Dec. 20.
- Transmission, Machine tool. E. J. Kearney. 2,486,294, Oct. 25.
- Transmission mechanism. P. Bartelt. 2,462,060, Feb. 22.
- Transmission mechanism. C. J. Lucia and F. R. McFarland. 2,473,157, June 14.
- Transmission mechanism. C. D. Peterson and A. H. Deimel. 2,459,094, Jan. 11.
- Transmission mechanism. W. F. Wright. 2,458,459, Jan. 4.
- Transmission mechanism, Automatic. C. W. Brooks. 2,461,258, Feb. 8.
- Transmission mechanism for engine starters and the like. S. Gilbert. 2,458,070, Jan. 4.
- Transmission mechanism for spinning mules, Power. F. L. Eaton, Jr., and P. O. Soderlund. 2,475,486, July 5.
- Transmission mechanism, Power. W. N. Dunn. 2,475,085, July 5.
- Transmission mechanism, Power. E. A. Watson and F. T. Shaw. 2,483,950, Oct. 4.
- Transmission mechanism, Rotary hydraulic fluid. R. Diard. 2,470,241, May 17.
- Transmission mechanism, Two-speed washing machine. O. M. Anderson. 2,487,960, Nov. 15.
- Transmission, Nonequalizing-torque differential. R. R. Randall. 2,462,000, Feb. 15.
- Transmission, Nonequalizing torque differential. R. R. Randall. 2,479,638, Aug. 23.
- Transmission of data from aircraft, Automatic. P. R. Murray. 2,467,400, Apr. 19.
- Transmission of rotary motion by single homopolar dynamoelectric machine. R. R. Snyder. 2,490,554, Dec. 6.
- Transmission of tone to warn the operator of a momentary disengagement of a telephone talking connection by a coin collector. R. W. Jones. 2,483,206, Sept. 27.
- Transmission oil filter means. H. H. Trail. 2,462,819, Feb. 22.
- Transmission operating mechanism. A. E. Wilson and H. D. Hukill. 2,480,801, Aug. 30.
- Transmission, Pneumatic variable torque. E. H. Piron. 2,458,726, Jan. 11.
- Transmission, Power. R. L. Tweedale. 2,485,944, Oct. 25.
- Transmission pulley unit, Variable speed power. L. F. McCrady and A. W. Barton. 2,487,936, Nov. 15.
- Transmission, Reversible. H. Doré. 2,485,867, Oct. 25.
- Transmission, Reversible. M. Graves. 2,463,265, Mar. 1.
- Transmission, Rotary turbine type hydraulic. E. W. Tombs. 2,471,799, May 31.
- Transmission system. J. Goldsmith. 2,475,563, July 5.
- Transmission system. N. H. Young, Jr. 2,471,473, May 31.
- Transmission system, Centralized music. S. K. Lackoff. 2,474,110, June 21.
- Transmission system, Double-current audio-frequency telegraphic. R. P. Leroy. 2,486,041, Oct. 25.
- Transmission system, Electric signal. P. F. M. Gloess. 2,491,969, Dec. 20.
- Transmission system, Electric wave. V. Altovsky. 2,465,341, Mar. 29.
- Transmission system, Facsimile. R. J. Wise, G. H. Ridings, and R. D. Parrott. 2,483,449, Oct. 4.
- Transmission system, Fluid. I. Iverson and S. M. Simonson. 2,481,220, Sept. 6.
- Transmission system for automobile vehicles. M. F. A. Julien. 2,459,705, Jan. 18.
- Transmission system having dielectric lens, Directional microwave. H. B. Devore. 2,479,673, Aug. 23.
- Transmission system, High-frequency. W. E. Bradley. 2,485,030-1, Oct. 18.
- Transmission system, High-frequency. L. Espenschied. 2,467,299, Apr. 12.
- Transmission system, Hydraulic power. J. Robinson. 2,465,484, Mar. 29.
- Transmission system, including multifilament amplifiers, Repeated. E. A. Vezzie. 2,488,948, Nov. 22.
- Transmission system, landing gear retracting motor, and wheel prerotating and braking device for aircraft, Combined power. F. T. Harrington. 2,489,411, Nov. 29.
- Transmission system, Negative feed-back. H. P. Thomas. 2,469,218, May 3.
- Transmission system, Phase selective signal. C. B. Alken. 2,483,718, Oct. 4.
- Transmission system, Plural electric motor. M. Wanner. 2,480,065, Aug. 23.
- Transmission system, Pulse. G. D. Hulst, Jr. 2,472,706, June 7.
- Transmission system, Rotary pump and motor hydraulic. W. Ferris. 2,477,974, Aug. 2.
- Transmission system, Signal. W. E. Bradley. 2,484,798, Oct. 11.
- Transmission system, Step-by-step electrical. J. P. Watson. 2,478,440, Aug. 9.
- Transmission through grounded conducting structures and the like, Radio-frequency. K. L. Bell. 2,470,000, May 10.
- Transmission, Two-speed. H. F. Wilms. 2,479,445, Aug. 16.
- Transmission, Ultra high frequency. G. C. Southworth. 2,461,005, Feb. 8.
- Transmission unit. J. S. Sharpe. 2,481,627, Sept. 13.
- Transmission unit, Dynamoelectric machine. T. D. Bowes and F. Schulte. 2,465,006, Mar. 22.
- Transmission unit, Planetary. F. L. Lawrence. 2,466,319, Apr. 5.
- Transmission, V-belt. T. Carroll. 2,491,248, Dec. 13.
- Transmission, Variable. A. F. Alexander. 2,464,841, Mar. 22.
- Transmission, Variable. N. W. Lewis. 2,476,245, July 12.
- Transmission, Variable ratio. D. Heyer. 2,478,870, Aug. 9.
- Transmission, Variable-speed. D. W. Kelbel. 2,466,244, Apr. 5.
- Transmission, Variable-speed power. G. Reid. 2,473,545, June 21.
- Transmission with fluid purifier, Pump and motor. E. P. Bullard, III. 2,476,238, July 12.
- Transmission with superposed planetary transmission, Six-speed. W. A. Koster and G. E. Soper. 2,465,885, Mar. 29.
- Transmit-receive device. B. B. Cork and G. R. Brewer. 2,478,245, Aug. 9.
- Transmit-receive system. B. B. Cork. 2,472,196, June 7.
- Transmitter. C. M. Woodruff. 2,460,326, Feb. 1.
- Transmitter and/or receiver circuits. E. L. Ginzton. 2,462,856, Mar. 1.
- Transmitter and receiver self-synchronous system, Electronic relay. B. J. Baecher. 2,461,511, Feb. 15.
- Transmitter apparatus. W. J. Poch. 2,489,813, Nov. 29.
- Transmitter, Automatic. L. M. Potts. 2,468,273, Apr. 26.
- Transmitter, Automatic. R. G. Schuler. 2,477,832, Aug. 2.
- Transmitter, Batteryless impulse. J. E. Ostline. 2,491,902, Dec. 20.
- Transmitter, Beacon. C. J. de L. de la Sablonière. 2,478,463, Aug. 9.
- Transmitter, Call. R. F. Mallina. 2,473,438, June 14.
- Transmitter, Cam controlled pulse. E. Bodmer. 2,469,761, May 10.
- Transmitter control mechanism, Telegraph. W. T. Rea. 2,468,462, Apr. 26.
- Transmitter, Electric signaling. E. M. S. McWhirter, H. M. M. d'Assis-Fonseco, and H. J. Ward. 2,489,306, Nov. 29.
- Transmitter, Electron tube type. C. A. de Giers and A. Edelman. 2,483,266, Sept. 27.
- Transmitter for code communication systems. D. P. Fitzsimmons. 2,484,700, Oct. 11.
- Transmitter for driving sewing machines and the like, Electric. E. P. Turner. 2,461,504, Feb. 8.
- Transmitter for repeater systems. A. P. Davis. 2,466,763, Apr. 12.
- Transmitter for telemetering systems, Fluid flow responsive. H. D. Warshaw. 2,487,083, Nov. 8.
- Transmitter, Frequency-modulated picture. L. A. Thompson. 2,488,517, Nov. 15.
- Transmitter, Frequency modulation. F. W. Frink. 2,483,271, Sept. 27.
- Transmitter, Frequency modulation radio. J. C. Geist. 2,489,284, Nov. 29.
- Transmitter, Hydraulic pressure. G. W. Hardy. 2,471,619, May 31.
- Transmitter, Key operated. C. W. Swan. 2,472,733, June 7.
- Transmitter-receiver system. E. Labin. 2,471,436, May 31.
- Transmitter resistor device, Weatherproof. C. A. de Giers. 2,469,105, May 3.
- Transmitter, Spark. H. Benloff. 2,473,780, June 21.
- Transmitter system. D. Talley. 2,483,445, Oct. 4.

- Transmitter, Telegraph keyboard. J. Estoup. 2,487,118, Nov. 8.
- Transmitter tuning indicator. J. L. Hathaway and R. C. Kennedy. 2,468,197, Apr. 26.
- Transmitter, Ultra high frequency. E. O. Keizer, H. Johnson, V. D. Landon, and R. L. Harvey. 2,490,968, Dec. 13.
- Transmitting and radiating light rays emitted from a source of light. H. Neuwirth. 2,490,370, Dec. 6.
- Transmitting apparatus, Angular motion. A. P. Adamson. 2,458,921, Jan. 11.
- Transmitting apparatus, Angular motion. A. P. Adamson. 2,469,190, May 3.
- Transmitting apparatus, Electric motor follow-up. J. G. Mejean. 2,476,106, July 12.
- Transmitting apparatus for communication systems using frequency modulation. A. R. Doucette and P. E. Lorentzen. 2,478,380, Aug. 9.
- Transmitting apparatus for inductive carrier railway train communication systems. B. C. Van Gilder. 2,469,138, May 3.
- Transmitting device, Fluid. W. Ferris. 2,462,734, Feb. 22.
- Transmitting energy, Process and apparatus for. A. F. Benning and F. B. Downing. 2,471,476, May 31.
- Transmitting intelligence to the surface from well bores, Methods of and apparatus for. E. W. Goble and G. Jackson. 2,492,794, Dec. 27.
- Transmitting mechanism, Hermetically sealed power. F. C. Gilman. 2,472,010, May 31.
- Transmitting mechanism, Motion. N. J. Jones. 2,460,015, Jan. 25.
- Transmitting mechanism, Rotary motion. K. H. Andren. 2,464,959, Mar. 22.
- Transmitting system. T. I. Ress. 2,479,701, Aug. 23.
- Transmitting system, Alternating-current signal. H. Gardère. 2,471,319, May 24.
- Transmitting telegraphic signals. H. B. R. Boosman, T. Douma, and K. Posthumus. 2,464,667, Mar. 15.
- Transparent alginic films, Manufacture of. R. C. Rose. 2,485,512, Oct. 18.
- Transparent bird feeder. S. M. Smith. 2,475,207, July 5.
- Transplanter. G. P. Ruhl. 2,473,261, June 14.
- Transplanting machine. C. L. Carelock. 2,486,462, Nov. 1.
- Transponder. Pulse echo beacon. D. M. Jacob. 2,477,485, July 26.
- Transponder system, Time-sharing. B. D. Loughlin. 2,478,409, Aug. 9.
- Transport. F. F. Sutherland, and W. T. Stearn. 2,474,337, June 28.
- Transport box. C. G. Grabert. 2,464,224, Mar. 15.
- Transport of goods from a chocolate coating or like machine to a cooler. A. A. Tunley. 2,488,104, Nov. 15.
- Transportation assembly. J. L. Evans and T. N. Busch. 2,466,938, Apr. 12.
- Transportation of fine solids, Pipe-line. V. Scarth. 2,478,326, Aug. 9.
- Transportation of small parcels, Air. R. B. Schulze. 2,472,623, June 7.
- Transporting and discharge device, Overhead sheet. R. Nebolsine. 2,486,196, Oct. 25.
- Trap: See—
- Animal trap. Mouse trap.
 - Ash trap. Newspaper trap.
 - Automatic electric animal trap. Nonsiphoning trap.
 - Cage trap. Rat and animal trap.
 - Crab trap. Rat and mouse trap.
 - Drain trap. Rat shield trap.
 - Electric insect and rodent trap. Rodent trap.
 - Furnace dust trap. Sanitary catchall drain trap.
 - Gas trap. Selective animal trap.
 - Hopper trap. Separator trap.
 - Inverted float steam trap. Snare-type trap.
 - Liquid sealed trap. Spray trap.
 - Lobster trap. Vacuum trap.
 - Minnow trap. Waste trap.
 - Mouse and rat trap.
- Trap. W. C. Bailey. 2,482,454, Sept. 20.
- Trap. D. B. Hampton. 2,459,160, Jan. 18.
- Trap. C. L. Phillips. 2,471,540, May 31.
- Trap. J. D. Tyler. 2,481,800, Sept. 13.
- Trap. R. M. Varnedoe, Jr. 2,490,180, Dec. 6.
- Trap for bathtubs, Sanitary. D. Weissman. 2,472,322, June 7.
- Trap for bottles, Tilttable measuring. B. S. Preston. 2,475,720, July 12.
- Trap for hydraulic shock absorbers, Sediment. E. F. Rossman. 2,469,276, May 3.
- Trap for mercury type vacuum gauges, Mercury. W. H. Schechter and R. R. Miller. 2,466,743, Apr. 12.
- Trap for refrigerator cars, Well. W. H. Keleher and R. E. Powers. 2,480,480, Aug. 30.
- Trap for rocket propellants, Obturator. C. N. Hickman. 2,487,053, Nov. 8.
- Trap for rockets, Spacer. C. N. Hickman. 2,471,745, May 31.
- Trap for vacuum systems, Freezing. C. T. De Groat. 2,465,793, Mar. 29.
- Trap for ventilating exhaust stacks, Rain. R. E. Dahlstrom. 2,482,577, Sept. 20.
- Trap hook. N. G. Gardner. 2,485,728, Oct. 25.
- Trap throwoutproof device, Animal. J. T. Lienhard. 2,489,095, Nov. 22.
- Traps, Animal. F. M. Alvau. 2,475,467, July 5.
- Trash clearer for plows having a rolling colter. W. H. Silver. 2,486,442, Nov. 1.
- Trash collection box. W. Emerson. 2,490,790, Dec. 13.
- Travel control apparatus, Pneumatic hydraulic. E. A. Rockwell. 2,470,954, May 24.
- Traveling bag. C. P. Thompson. 2,473,079, June 14.
- Traveling bag having top-wall-supported compartment which remains hidden when side-wall closure is opened. A. Boretz. 2,481,565, Sept. 13.
- Traveling nut limit stop. W. S. Hall, Jr. 2,460,222, Jan. 25.
- Traverse, High-speed. I. P. Denysen. 2,463,604, Mar. 8.
- Traverse mechanism. E. K. Bauer. 2,492,412, Dec. 27.
- Traverse mechanism for rayon pot-spinning machines. W. Hartley. 2,489,582, Nov. 29.
- Tray. C. O. Bailar and T. L. Spalding. 2,470,456, May 17.
- Tray. A. W. Finley. 2,491,554, Dec. 20.
- Tray. E. Johnson. 2,490,269, Dec. 6.
- Tray. S. M. Mabry. 2,459,443, Jan. 18.
- Tray, Accounting. R. R. Webb. 2,463,131, Mar. 1.
- Tray, Adjustable. F. J. Schaefer. 2,468,412, Apr. 26.
- Tray and door fastener, Combined hinged. A. H. Potts. 2,460,533, Feb. 1.
- Tray attachment, High chair. L. M. Montoya. 2,485,907, Oct. 25.
- Tray, Bed. J. J. Schulze. 2,472,549, June 7.
- Tray, Caged animal feeding. H. D. Stahler. 2,478,430, Aug. 9.
- Tray, Collapsible refrigerated. T. L. Peckinpugh. 2,475,513, July 5.
- Tray construction, Ice. H. E. Knupp. 2,492,583, Dec. 27.
- Tray, Demountable work. R. E. Lorenzen. 2,481,604, Sept. 13.
- Tray, Display. M. Mordkin. 2,487,168, Nov. 8.
- Tray, Folded-blank box. C. H. Hensley. 2,459,645, Jan. 18.
- Tray for automobile dashboards. H. P. Pelton. 2,480,304, Aug. 30.
- Tray for automobiles, Vertically adjustable. J. W. Linda and J. M. Hill. 2,469,657, May 10.
- Tray for card tables. P. J. Ognibene. 2,490,702, Dec. 6.
- Tray for food freezing apparatus. V. C. Patterson. 2,487,584, Nov. 8.
- Tray for hypodermic needles and the like, Sterilizing. A. J. Son. 2,472,028, May 31.
- Tray for use in refining towers. H. C. Glitsch. 2,491,726, Dec. 20.
- Tray for vehicles, Folding service. M. Lichten. 2,492,230, Dec. 27.
- Tray for vehicles, Serving. P. R. Sammons. 2,475,202, July 5.
- Tray, Freezing. F. W. Sampson. 2,486,064, Oct. 25.
- Tray, Freezing and dehydrating. G. W. Stevens. 2,458,113, Jan. 4.
- Tray holder. F. M. Green. 2,488,010, Nov. 15.
- Tray, Hot top. A. Dowrello. 2,466,085, Apr. 5.
- Tray, Ice. M. K. Buchanan. 2,463,947, Mar. 8.
- Tray, Ice. D. L. Jocelyn. 2,459,168, Jan. 18.
- Tray, Ice. M. Siebigerth. 2,473,178, June 14.
- Tray, Ice cube. C. M. Follin. 2,469,067, May 3.
- Tray, Ice cube. R. J. Mott. 2,481,525, Sept. 13.
- Tray, Ice cube. J. A. F. Roché. 2,484,121, Oct. 11.
- Tray, Letter. R. L. Gallagher. 2,470,347, May 17.
- Tray, Loading. C. E. Ellsworth. 2,472,472, June 7.
- Tray or box and box member, Collapsible. K. T. Buttery and R. C. Stenger. 2,488,705, Nov. 22.
- Tray or box, Collapsible. K. T. Buttery and R. C. Stenger. 2,488,706, Nov. 22.
- Tray or carton, Collapsible. K. T. Buttery. 2,488,703-4, Nov. 22.
- Tray or shelf, Stepladder. M. M. Hickey. 2,473,951, June 21.
- Tray, Posting. A. G. Lotter. 2,463,117, Mar. 1.
- Tray, Removable window. J. F. Livingston. 2,488,870, Nov. 22.
- Tray, Service. M. L. and W. S. Bruckner. 2,466,636, Apr. 5.
- Tray, Serving. J. L. Mohun. 2,469,777, May 10.
- Tray, Soap. L. B. King. 2,473,376, June 14.
- Tray structure, Ice. J. N. Saler. 2,490,886, Dec. 13.
- Tray table. W. E. Jogwick and E. H. McLaughlin. 2,459,529, Jan. 18.
- Tray-table. W. E. Jogwick and E. H. McLaughlin. 2,481,117, Sept. 6.
- Tray, Telescope bed. K. C. Russell. 2,466,482, Apr. 5.
- Tray type fuel oil burner. J. T. Stone. 2,469,135, May 3.
- Tray type liquid fuel burner. K. C. Caldwell. 2,473,568, June 21.
- Tray type oil burner. H. C. Little. 2,483,978, Oct. 4.
- Tray, Washing. W. C. Singleton. 2,475,259, July 5.
- Tread, Step. R. H. Hocutt. 2,484,947, Oct. 18.
- Tread tractor and drive transmission thereof, Endless. G. Passelégue. 2,483,473, Oct. 4.
- Tread on vehicle tires, Formation of rubber. L. F. Wallis. 2,476,786, July 19.
- Treadle for mousetraps, Bait holding. F. E. Fitzsimons. 2,475,884, July 12.

- Treating a hydrocarbon mixture which is contaminated by small amounts of organic fluorine compounds. C. B. Linn. 2,472,908, June 14.
- Treating agent. A. B. Kinzel. 2,462,871, Mar. 1.
- Treating aluminum-magnesium alloys. H. S. Cooper. 2,463,021, Mar. 1.
- Treating aluminum magnesium alloys. H. S. Cooper and V. Tzvetcoff. 2,463,022, Mar. 1.
- Treating animal and vegetable oils. F. C. Bersworth. 2,463,015, Mar. 1.
- Treating animal materials. H. M. Coleman, A. H. Steffen, and E. W. Hopkins. 2,491,646, Dec. 20.
- Treating apparatus, Surface. L. H. Bishop and J. S. Finn. 2,483,176, Sept. 27.
- Treating barium sulfate with carbonates. J. E. Norman. 2,471,446, May 31.
- Treating casein products. J. G. Weeldenburg. 2,468,531, Apr. 26.
- Treating citrous fruit. E. M. Brogden. 2,489,744, Nov. 29.
- Treating clubfeet. P. R. Brachman and O. C. Sonntag. 2,482,646, Sept. 20.
- Treating cracked gasoline to remove metals. J. A. Chenicek. 2,470,887, May 24.
- Treating eggs to produce chicks having colored down. A. M. Kiss. 2,477,752, Aug. 2.
- Treating fabrics and resulting product. F. H. Russell. 2,469,245, May 3.
- Treating ferrous metals before drawing through dies. H. K. Spence and H. W. Hooker. 2,479,979, Aug. 23.
- Treating filamentary material, Method and apparatus for. F. W. Koster. 2,463,081, Apr. 26.
- Treating fresh fruit in preparation for marketing. E. M. Brogden. 2,489,743, Nov. 29.
- Treating gypsum obtained as a by-product of phosphoric acid manufacture. G. A. Peirce. 2,485,164, Oct. 18.
- Treating hydrocarbon mixtures to remove halogens therefrom. G. B. Zimmerman and C. G. Gerhold. 2,463,077, Mar. 1.
- Treating hydrophilic colloids to avoid swelling during washing. W. D. Ramage. 2,474,367, June 28.
- Treating hydrosols with fluorides to obtain improved gel catalysts. C. N. Kimberlin, Jr. 2,477,695, Aug. 2.
- Treating ligno-cellulosic materials and resulting product. R. Katzen and J. Pearlstein. 2,491,499, Dec. 20.
- Treating low-grade iron ores. R. W. Braund. 2,468,586, Apr. 26.
- Treating magnesium-base castings and improved magnesium-base alloys produced thereby. E. J. Vargo. 2,477,503, July 26.
- Treating material in laminar form. A. T. Chapman and V. F. D'Agostino. 2,475,877, July 12.
- Treating materials, Method and apparatus for. N. N. Stephanoff. 2,460,546, Feb. 1.
- Treating materials with a volatile treating agent. H. H. Jones. 2,465,020, Mar. 22.
- Treating meat, Process and apparatus for. L. J. Menges. 2,489,918, Nov. 29.
- Treating ouricury wax and resulting composition. E. A. Wilder. 2,471,805, May 31.
- Treating petroleum oils with a copper soap and of producing the copper soap, Process of. C. O. Hoover. 2,471,153, May 24.
- Treating phosphate coated surfaces. B. S. Tuttle and T. Navoy. 2,478,954, Aug. 16.
- Treating pineapple plants. F. P. Mehrlich. 2,488,092, Nov. 15.
- Treating scale forming liquors. C. H. Nyman. 2,484,046, Oct. 11.
- Treating sealed tubes. J. N. Masci. 2,478,931, Aug. 16.
- Treating sewage, Method and apparatus for. S. I. Zack. 2,473,323, June 14.
- Treating shoes with steam and hot air, Method of and apparatus for. M. Maeser. 2,460,940, Feb. 8.
- Treating soap products, Method and apparatus for. T. Penny. 2,490,089, Dec. 6.
- Treating surfaces of iron, zinc, and alloys of each, Method of and materials for. E. Snyder. 2,479,423, Aug. 16.
- Treating titaniferous iron ores. P. H. Royster. 2,471,242, May 24.
- Treating tower containing solid contact material. T. M. Underwood. 2,483,948, Oct. 4.
- Treating waste material containing rubber. F. H. Banbury, D. A. Comes, and C. F. Schnuck. 2,461,193, Feb. 8.
- Treating waste pulp liquors. B. H. Thurman. 2,475,361, July 5.
- Treating waste rubber, etc. E. L. Schenck. 2,471,043, May 24.
- Treating waste sulfite liquor. T. L. Dunbar. 2,470,764, May 24.
- Treating wood. R. H. Baechler. 2,469,427, May 10.
- Treatment of alkali cellulose. G. M. A. Kayser. 2,473,954, June 21.
- Treatment of collagen strands. A. Cresswell. 2,475,697, July 12.
- Treatment of drilling fluids. M. Dyke and E. S. Self. 2,475,485, July 5.
- Treatment of fatty acids. A. C. Brown and V. J. Muckerheide. 2,475,420, July 5.
- Treatment of fruits to prevent browning. G. Johnson and D. G. Guadagni. 2,475,838, July 12.
- Treatment of ligno-cellulosic material and product resulting therefrom, Method of. H. W. Hall. 2,483,198, Sept. 27.
- Treatment of melam, melem, and melon. J. S. Mackay and J. H. Paden. 2,475,709, July 12.
- Treatment of naphthacridine type vat dyestuff, Acid. L. D. Lytle and J. F. Cullinan. 2,475,847, July 12.
- Treatment of natural gas. F. E. Gilmore. 2,475,957, July 12.
- Treatment of oil-bearing vegetable materials for recovery of oil. J. W. Beckman. 2,486,384, Nov. 1.
- Treatment of polymerized chloro-substituted ethylenes. C. J. Chaban. 2,487,099, Nov. 8.
- Treatment of solutions, Ion exchange. E. J. Roberts. 2,484,647, Oct. 11.
- Treatment of spinnerets. A. Cresswell. 2,475,128, July 5.
- Treatment of spinnerets to minimize contamination thereof. J. J. Polak. 2,483,783, Oct. 4.
- Treatment of starch containing flours with concentrated acetic acid in an inert nonaqueous diluent. G. V. Caesar. 2,492,553, Dec. 27.
- Treatment of tall oil and portions thereof. S. Koonce and E. Perry. 2,485,744, Oct. 25.
- Treatment of textile material. W. Whitehead and J. B. Steiding. 2,487,841, Nov. 15.
- Treatment of thionaphthene vat dyestuffs, Acid. J. F. Cullinan and L. D. Lytle. 2,475,821, July 12.
- Treatment of vegetable tissue. C. Birdseye. 2,474,649-50, June 28.
- Treatment of viscose. R. O. Denyes. 2,486,522, Nov. 1.
- Treatment, Tall oil. E. Segessemann and N. M. Molnar. 2,481,356, Sept. 6.
- Tree climber, Multiple-spur. T. T. Munger and T. Kachin. 2,484,181, Oct. 11.
- Tree felling and log cutting saw rig, Self-propelled. F. H. Stoner. 2,461,188, Feb. 8.
- Tree holder. C. A. Bouc. 2,469,192, May 3.
- Tree holder. W. C. Doebling. 2,485,819, Oct. 25.
- Tree holder. L. G. Roller. 2,476,223, July 12.
- Tree stand. E. F. Ahrens. 2,485,081, Oct. 18.
- Tree trimming gauge. A. J. Beets. 2,478,081, Aug. 2.
- Tree, Whiffle. J. Rickard. 2,473,447, June 14.
- Trellis, Convertible knockdown garden. C. A. Conklin. 2,458,931, Jan. 11.
- Trellis, Metal. W. I. Linamen and S. L. Woofter. 2,467,265, Apr. 12.
- Trellis structure. E. C. Wakefield. 2,476,689, July 19.
- Tremolo device for accordions. W. Gerber. 2,457,886, Jan. 4.
- Tremolo producing device. A. L. Appel. 2,460,868, Feb. 8.
- Trench construction. D. H. Wyatt. 2,464,263, Mar. 15.
- Trench jack. J. J. Ravers Jr. 2,482,367, Sept. 20.
- Trepanning tool. R. M. Starbuck, Jr. 2,473,077, June 14.
- Trestle. J. L. Pozun and L. Houghton. 2,461,769, Feb. 15.
- Trestle leg assembly. H. B. Imes. 23,097, Apr. 12.
- Trialkyl phenyl phosphates from purified petroleum alkyl phenols. R. L. Shuman. 2,473,612, June 21.
- Triamino-benzene compounds, Preparation of symmetrical. J. Krueger. 2,461,498, Feb. 8.
- Triangle, Draftsman's. L. G. Bailes. 2,479,093, Aug. 16.
- Triazine condensation products and making same, Water-soluble. E. Keller and R. Zweidler. 2,473,475, June 14.
- Triazinyltrinitriles, Preparation of. I. Hechenbleikner. 2,476,548, July 19.
- Triazolyene triazines and preparation thereof. D. W. Kaiser. 2,473,797, June 21.
- Trichloroacetyl chloride, Production of. E. J. Hart and M. S. Matheson. 2,472,946, June 14.
- Trichloromethyl diaryl methanes, Manufacture of. J. W. Robinson. 2,460,535, Feb. 1.
- Trichloromethyl diaryl methanes, Manufacture of. C. E. Wilson, Jr. 2,460,865, Feb. 8.
- Trichloromethyl di(parachlorophenyl) methane, Manufacture of. N. E. Searle. 2,464,265, Mar. 15.
- Trichlorostyrene and polymers thereof. J. C. Michalek. 2,463,897, Mar. 8.
- Trichlorothiophene, Preparation of. H. L. Coonradt and H. D. Hartough. 2,492,623, Dec. 27.
- Trichomonadical therapeutic composition. J. G. Johnson. 2,484,035, Oct. 11.
- Tricurler. J. J. Morretta. 2,461,170, Feb. 8.
- Tricycle. J. Poláček. 2,481,683, Sept. 13.
- Tricycle, Child's. I. Mackowiak. 2,467,941, Apr. 19.
- Trifluoroacetic acid compounds, Production of. W. N. Haworth and M. Stacey. 2,480,467, Aug. 30.
- Trifluoroacetic acid, Production of. W. N. Haworth and M. Stacey. 2,476,490, July 19.
- Trifluoromethylhexachlorocyclohexane. E. T. McBee and L. D. Bechtol. 2,462,654, Feb. 22.
- Trigger for mousetraps. O. W. Johnson. 2,463,879, Mar. 8.
- Trigger-locking means. R. L. Jenkinson. 2,487,971, Nov. 15.
- Trigger mechanism, Bow. C. H. Konold. 2,488,597, Nov. 22.
- Trihaloalkylideneamines and their preparation. S. C. Dorman. 2,468,593, Apr. 26.
- Trihedral corner pad. E. B. Kincaid. 2,476,197, July 12.
- Triisobutylene, Desulfurization of. W. G. Hockberger. 2,469,726, May 10.

- Trim element for closure frames. O. B. Merrill. 2,475,332, July 5.
- Trimmer. G. and M. Prodomos. 2,472,617, June 7.
- Trimmer and razor, Combination hair. A. Santoro, Sr. 2,488,436, Nov. 15.
- Trimmer for writing machines, Strip. W. H. Hope, Jr. 2,477,128, July 26.
- Trimmer, Grass. T. B. Funk. 2,484,989-90, Oct. 18.
- Trimmer, Lawn. A. G. Danielson. 2,480,002, Aug. 23.
- Trimmer, Lawn. M. E. McClay, Sr. 2,491,993, Dec. 20.
- Trimmer, Lawn. F. C. Miller. 2,483,292, Sept. 27.
- Trimmer, Lawn edge. L. P. Becker. 2,479,460, Aug. 16.
- Trimmer, Paper. E. B. Murphy and S. Segal. 2,460,842, Feb. 8.
- Trimmer, Shoe sole shank. L. E. Dame. 2,485,708, Oct. 25.
- Trimmer, Soap. E. J. Reddert and W. Sartorius. 2,465,398, Mar. 29.
- Trimmer, Strip. J. Q. Sherman. 2,476,326, July 19.
- Trimmer, Wallpaper. H. M. Stanley. 2,473,551, June 21.
- Trimmer, Watch band. E. R. Day. 2,465,207, Mar. 22.
- Trimming board. R. A. Webster. 2,460,205, Jan. 25.
- Trimming device. W. A. Holtshauser. 2,486,786, Nov. 1.
- Trimming device for the edges of molded articles. V. Nachazel. 2,466,961, Apr. 12.
- Trimming device, Hat. A. J. Jones. 2,491,183, Dec. 13.
- Trimming machine. V. M. Leng. 2,480,747, Aug. 30.
- Trimming machine. H. C. Paulsen. 2,472,228, June 7.
- Trimming machine, Lawn. H. L. Geater. 2,472,414, June 7.
- Trimming machine, Metal. H. E. Morton and H. B. Clark. 2,484,353, Oct. 11.
- Trimming machine, Pineapple crown. J. Abrey. J. T. Munro, and J. T. Youd. 2,486,367, Oct. 25.
- Trimming machine, Shoe upper. H. E. Elliott and E. Moore. 2,466,798, Apr. 12.
- Trimming machine, Three-knife. C. L. Moyer. 2,482,685, Sept. 20.
- Trimming machine, Vegetable. E. W. Bridge. 2,491,950, Dec. 20.
- Trimming stitch, Fancy. J. Nachman. 2,471,165, May 24.
- Trinuclear cyanine dyes. A. W. Anish and C. A. Clark. 2,476,525, July 19.
- Trioxane, Production of. H. Sokol. 2,465,489, Mar. 29.
- Trioxepane and its polymers. W. F. Gresham and C. B. Bell. 2,475,610, July 12.
- Trip feeder. G. W. Merritt. 2,468,303, Apr. 26.
- Trip for steam turbines. Under-speed. A. C. Besserlich and W. G. Roesch. 2,466,358, Apr. 5.
- Trip mechanism. E. J. Dillman. 2,466,583, Apr. 5.
- Trip rope holder. D. F. Christoffer. 2,485,702, Oct. 25.
- Trip switch mechanism, Manual reset sequential. J. A. Favre. 2,487,534, Nov. 8.
- Tripping device. D. I. Bohn. 2,474,029, June 21.
- Triphenylmethyl butyl ether as an insecticide. I. Hechenbleikner. 2,459,525, Jan. 18.
- Triple gate. C. W. Johnstone and L. P. Mautner. 2,485,886, Oct. 25.
- Triple plug receptacle. G. B. Benander. 2,477,952, Aug. 2.
- Triple stage rotary beater mill. J. O. Samson. 2,466,828, Apr. 12.
- Triple tube cyclone separator. D. H. Putney. 2,472,777, June 7.
- Tripod. P. N. Sifton. 2,465,289, Mar. 22.
- Tripod for cameras and other objects. J. Price. 2,467,567, Apr. 19.
- Tripod head. C. W. Graham. 2,464,500, Mar. 15.
- Tripod head. E. Miller. 2,459,040, Jan. 11.
- Tripod head, Camera. R. I. Nielsen. 2,471,886, May 31.
- Tripod head, Pan-tilt. W. H. Bliss. 2,469,063, May 3.
- Tripod head, Panoramic tilting. R. J. Pagliuso. 2,458,872, Jan. 11.
- Tripod head, Panoramang. C. W. Peterson. 2,461,175, Feb. 8.
- Tripod head, Tilting. H. Blair. 2,481,717, Sept. 13.
- Tripod head with a removable camera support. A. C. Coutant and J. Mathot. 2,459,626, Jan. 18.
- Tripod leg. H. Neuwirth. 2,461,915, Feb. 15.
- Tripod leg. H. Neuwirth. 2,490,369, Dec. 6.
- Tripod, Nonslip. N. E. Temple, Jr. 2,463,655, Mar. 8.
- Tripod stabilizer. R. Belanoff. 2,467,005, Apr. 12.
- Triptane structure compounds, Preparation of. J. C. Munday and A. H. Matuszak. 2,490,276, Dec. 6.
- Trisulfide of arsenic, Preparation of colloidal. F. F. Schwartz. 2,473,110, June 14.
- Trolley collector head. P. C. J. Delachaux. 2,480,912, Sept. 6.
- Trolley conveyer bracket. A. G. Rose. 2,485,215, Oct. 18.
- Trolley conveyer, Overhead. C. Peschke. 2,480,956, Sept. 6.
- Trolley equipment, Electrical. B. W. Benbow. 2,467,183, Apr. 12.
- Trolley wire hanger. S. S. Matthes. 2,459,386, Jan. 18.
- Trouble light for automobiles, Portable. P. A. Pierrez. 2,481,444, Sept. 6.
- Trough, Demountable conveyer. W. G. Brainerd. 2,465,145, Mar. 22.
- Trough or tank water level valve. S. C. Wright. 2,477,224, July 26.
- Trough, Screened eaves. C. R. Lord. 2,461,610, Feb. 15.
- Trough, Stock watering. L. E. Meisner. 2,490,824, Dec. 13.
- Trouser hanger. F. Baum. 2,475,442, July 5.
- Trouser hanger. R. G. Rogalla. 2,461,179, Feb. 8.
- Trousers, Men's. T. S. Decker. 2,458,353, Jan. 4.
- Trowel and weeder. N. E. Brooke. 2,487,518, Nov. 8.
- Troweling machine. J. O. Huffman. 2,468,981, May 3.
- Truck. R. B. Cottrell. 2,483,184, Sept. 27.
- Truck and bolster having snubbers, Railway car. L. E. Endsley. 2,466,088, Apr. 5.
- Truck and rack, Combined barrel. R. J. Stearns. 2,489,390, Nov. 29.
- Truck and removing feed therefrom, Feed. J. B. Olson. 2,470,637, May 17.
- Truck and tilt bed therefor, Trailer. M. E. Foster. 2,487,325, Nov. 8.
- Truck and transmission therefor, Power-driven hand. J. L. Waters. 2,468,316, Apr. 26.
- Truck adapter, Funeral. F. P. Marson and R. L. Sims. 2,463,403, Mar. 1.
- Truck, Automotive parts. H. Luby. 2,471,337, May 24.
- Truck bed, Automotive. L. C. Ives. 2,462,868, Mar. 1.
- Truck body. C. A. Carmack and L. L. Knighton. 2,476,814, July 19.
- Truck body comprising removable panels. P. J. Wilson. 2,471,917, May 31.
- Truck body, Convertible. W. W. Gentry. 2,459,022, Jan. 11.
- Truck body, Metallic. L. F. Ashford. 2,478,448, Aug. 9.
- Truck body, Wrecker. E. P. McCormick. 2,486,189, Oct. 25.
- Truck, Collapsible hand. W. J. Alexander. 2,490,189, Dec. 6.
- Truck, Convertible. W. J. Benner. 2,490,772, Dec. 13.
- Truck, Crane. R. J. Stoddard. 2,458,445, Jan. 4.
- Truck, Dump. G. Maxon, Jr. 2,465,899, Mar. 29.
- Truck, Dump. G. Maxon, Jr. 2,490,532, Dec. 6.
- Truck endgate. J. E. Smith. 2,467,277, Apr. 12.
- Truck, Folding hand. G. A. Bryant. 2,479,467, Aug. 16.
- Truck for disk cultivators, Carrying. O. J. Cerny. 2,479,099, Aug. 16.
- Truck for rail vehicles, Flexible. A. S. Krotz. 2,472,160, June 7.
- Truck for textile mills. J. C. Paddock. 2,492,002, Dec. 20.
- Truck for transporting and spreading material. B. Williams. 2,479,800, Aug. 23.
- Truck for transporting bobbins, quills or spools. J. C. Paddock. 2,468,375, Apr. 26.
- Truck frame extension. J. C. Holland. 2,491,044, Dec. 13.
- Truck, Friction damped. L. A. Lehrman. 2,481,475, Sept. 6.
- Truck, Garbage. V. L. Balbi. 2,487,411, Nov. 8.
- Truck, Grain dispensing. H. Smith and H. B. Owens. 2,490,241, Dec. 6.
- Truck, Hand. R. G. Bartlett. 2,475,874, July 12.
- Truck, Hand. L. Bishop. 2,485,545, Oct. 25.
- Truck, Hand. A. R. Burch. 2,485,085, Oct. 18.
- Truck, Hand. R. C. Evans. 2,461,203, Feb. 8.
- Truck, Hand. J. A. Fortin. 2,476,539, July 19.
- Truck, Hand. S. D. Fuller. 2,477,294, July 26.
- Truck, Hand. W. H. Lozon, Sr. 2,476,202, July 12.
- Truck, Hand. J. McFarland. 2,472,670, June 7.
- Truck, Hand dump. W. Tucker. 2,476,782, July 19.
- Truck, Handling. T. Grogan and T. Mayner. 2,477,871, Aug. 2.
- Truck having a forward swingable and adjustable wheeled support, Wheel. C. W. Will. 2,485,797, Oct. 25.
- Truck, Hydraulic lift. D. C. Walmsley. 2,488,356, Nov. 15.
- Truck, Industrial. E. J. Dunham. 2,477,789, Aug. 2.
- Truck, Industrial. H. C. Musgrave. 2,473,659, June 21.
- Truck, Industrial. H. F. Wilms. 2,492,608, Dec. 27.
- Truck, Industrial lift. M. B. McKee. 2,491,824, Dec. 20.
- Truck journal box mounting. D. S. Barrows. 2,479,054, Aug. 16.
- Truck, Library book. F. Rider. 2,468,513, Apr. 26.
- Truck, Lift. A. M. Barrett. 2,488,521, Nov. 22.
- Truck, Lift. S. W. Wysocki. 2,488,461, Nov. 15.
- Truck, Lumber loading. K. Y. Messick. 2,470,360, May 17.
- Truck, Material lifting and transporting. H. A. and G. H. Wagner. 2,459,979, Jan. 25.
- Truck, Milk can inverting fork. T. A. Gleason. 2,468,326, Apr. 26.
- Truck of interfitted trailer and powered tractor unit, Delivery. R. N. Reinhard. 2,480,047, Aug. 23.
- Truck, Portable. J. Skipper, H. Marble, and E. Frisell. 2,472,989, June 14.
- Truck, Quick wheel change railway car. C. J. W. Clasen. 2,473,010, June 14.
- Truck, Railway. D. S. Barrows. 2,469,323, May 3.
- Truck, Railway. G. F. Couch. 2,465,966, Mar. 29.
- Truck, Railway. C. L. Eksergian. 2,488,768, Nov. 22.
- Truck, Railway. H. M. Pfleger. 2,474,012, June 21.
- Truck, Railway car. K. R. Hammerstrom. 2,476,660, July 19.
- Truck, Railway car. W. M. Keller. 2,475,327, July 5.
- Truck, Railway car. K. F. Nystrom and V. L. Green. 2,469,513, May 10.

- Truck, Railroad freight car. J. L. Haynes. 2,477,517, July 26.
- Truck, Refrigerator. A. M. Davis. 2,464,923, Mar. 22.
- Truck, Reel. A. A. Joswick. 2,481,224, Sept. 6.
- Truck, Ride control. W. L. Schlegel, Jr. 2,458,210, Jan. 4.
- Truck, Scoop. H. A. and G. H. Wagner. 2,459,980, Jan. 25.
- Truck, Self-loading automotive. L. L. Troutman. 2,459,473, Jan. 18.
- Truck, Self-loading dump. W. B. McLendon. 2,468,220, Apr. 26.
- Truck, Shock-resistant hand. H. K. Bigelow. 2,480,697, Aug. 30.
- Truck, Snubbed. L. A. Lehrman. 2,485,972, Oct. 25.
- Truck, Snubbed. L. A. Lehrman. 2,485,974, Oct. 25.
- Truck, Snubbed. D. M. Light. 2,485,971, Oct. 25.
- Truck, Snubbed. E. J. Maatman. 2,485,104, Oct. 18.
- Truck, Snubbed. R. C. Pierce. 2,485,013, Oct. 18.
- Truck, Snubbed. R. C. Pierce. 2,485,508, Oct. 18.
- Truck, Snubbed bolster. L. A. Lehrman. 2,485,973, Oct. 25.
- Truck, Snubbed car. L. A. Lehrman. 2,485,970, Oct. 25.
- Truck, Snubbed railway. G. F. Couch. 2,467,255, Apr. 12.
- Truck, Stabilized car. R. C. Taylor. 2,465,763, Mar. 29.
- Truck, Stock pickup and carrier. G. W. Burg. 2,466,149, Apr. 5.
- Truck structure, Railway. T. H. Ainsworth. 2,485,801, Oct. 25.
- Truck tail gate lock. H. A. Smith. 2,472,234, June 7.
- Truck tire and wheel dolly, Heavy. G. H. Jackson. 2,483,908, Oct. 4.
- Truck unloading mechanism. W. Reinking. 2,482,028, Sept. 13.
- Truck, Vehicle. H. W. Jonkhoff, A. B. Blood, and S. P. Friedman. 2,491,613, Dec. 20.
- Truck, Vertically adjustable cattle. L. E. Heldenbrand. 2,466,102, Apr. 5.
- Truck, Wheel. D. R. Knapp. 2,491,318, Dec. 13.
- Truck with auxiliary bolster guide. R. B. Cottrell. 2,466,654, Apr. 5.
- Truck with lateral motion, Railway. J. C. Travilla, Jr. 2,492,337, Dec. 27.
- Truck with positioning controls for load handling hooks, Hand. W. A. Johnston and A. D. De Mattia. 2,478,196, Aug. 9.
- Truck with stair climbing shoe, Hand. J. C. Gates. 2,459,275, Jan. 18.
- Truck with vertically adjustable platform, Hand. W. J. Coats. 2,491,953, Dec. 20.
- Truing apparatus, Automobile wheel. E. C. Langham. 2,491,117, Dec. 13.
- Truing apparatus for centerless machines. G. Crompton, Jr. 2,459,923, Jan. 25.
- Trumpet. O. W. Schlums. 2,468,518, Apr. 26.
- Trumpet for drawing frames. I. L. Maltba. 2,476,379, July 19.
- Trunk selecting means for all relay telephone switches, Common. J. H. Voss and R. W. Jones. 2,491,291, Dec. 13.
- Trunks, Men's. H. Dubin. 2,489,083, Nov. 22.
- Trunks, Swimming. H. Spack. 2,490,556, Dec. 6.
- Truss. B. Chalk. 2,469,260, May 3.
- Truss. J. Ciarella. 2,468,615, Apr. 26.
- Truss. C. C. Fine. 2,475,488, July 5.
- Truss. F. Hollingsworth. 2,459,381, Jan. 18.
- Truss, Adjustable. F. G. McCord. 2,460,100, Jan. 25.
- Truss construction. J. Rodrigues. 2,469,577, May 10.
- Truss rod bracket. F. W. Schwinn. 2,461,003, Feb. 8.
- Truss supporter. M. Rubinger. 2,465,754, Mar. 29.
- Truss with automatic swivel, Adjustable. R. E. Sutherland. 2,489,831, Nov. 29.
- Trysquare. C. E. Gancer. 2,474,577, June 28.
- Tub construction. Dishwasher. R. W. Franklin. 2,489,485, Nov. 29.
- Tube: See—
- Astatic cathode-ray tube. Electron tube.
- Beam power tube. Electron discharge tube.
- Cathode beam transmitter tube. Electron-ray tube.
- Cathode beam tube. Electron transit time tube.
- Cathode-ray projection tube. Electronic tube.
- Cathode-ray tube. Enema tube.
- Cavity resonator electron tube. Filling tube.
- Cold cathode discharge tube. Flexible acoustic tube.
- Collapsible tube. Flow tube.
- Combination beam shift-grid control tube. Fluorescent discharge tube.
- Corrugated tube. Gaseous discharge tube.
- Current rectifier tube. Gastrointestinal tube.
- Deflection modulation tube. Grid controlled electron tube.
- Demountable vacuum tube. High-frequency oscillation tube.
- Discharge tube. Hot cathode grid control gas tube.
- Electric discharge tube. Hydrogen tube.
- Electric high-pressure discharge tube. Image receiving cathodic tube.
- Electrical discharge tube. Image tube.
- Electron beam tube. Indicating cathode-ray tube.
- Tube: See—Continued.
- Mechanical inner tube. Pulsar tube.
- Multiple deflection cathode ray tube. Radiation counter tube.
- Multitube electron tube. Secondary electron emission tube.
- Negative transconductance electrical discharge tube. Stomach irrigation tube.
- Neutralized cathode-ray deflection tube. Storage tube.
- Oil cooler tube. Storage type cathode-ray tube.
- Oscillator tube. Short-wave adjustable radio tube.
- Partitioned projection cathode-ray tube. Television camera tube.
- Piezometric thermionic tube. Television pickup tube.
- Piezometric thermionic tube. Thyatron tube.
- Piezometric thermionic tube. Vacuum tube.
- Piezometric thermionic tube. Valved bubble tube.
- Tube. D. H. Sloan. 2,487,078, Nov. 8.
- Tube. F. G. Suffield. 2,470,666, May 17.
- Tube adjusting mechanism, Glass feeder. M. A. Koleda. 2,479,121, Aug. 16.
- Tube analogue device, Membrane type electron. J. W. Clark. 2,477,115, July 26.
- Tube and circuit, Gaseous. C. J. Fitch and R. M. Eichorn. 2,484,084, Oct. 11.
- Tube and circuit, Oscillator. G. J. Lehmann. 2,462,876, Mar. 1.
- Tube and circuit, Rectifier. R. C. Hilliard. 2,486,025, Oct. 25.
- Tube and circuit, Thermionic vacuum. R. H. Varian. 2,478,216, Aug. 9.
- Tube and flushing valve, Combined overflow. J. C. Owens. 2,491,131, Dec. 13.
- Tube and glass clamp, Drinking. C. C. Smith. 2,460,542, Feb. 1.
- Tube and header-plate assembly for heat-exchange units. D. A. Hisey. 2,488,627, Nov. 22.
- Tube and heater type cathode therefor, Electron. C. F. Miller. 2,459,086, Jan. 11.
- Tube and instrument holder. W. C. Artley. 2,472,058, June 7.
- Tube and seal therefor, Electric discharge. E. G. Dorgelo and H. J. Lemmens. 2,478,573, Aug. 9.
- Tube and sealing the anode leadin, Rectifier discharge. D. G. S. Ruhwandl. 2,461,237, Feb. 8.
- Tube and spray head, Fire extinguishing foam. F. L. Boyd and L. W. Boerner. 2,478,998, Aug. 16.
- Tube and viewer, Speaking. F. G. Tappé. 2,489,060, Nov. 22.
- Tube apparatus, Electronic flash. R. B. Basham. 2,469,913, May 10.
- Tube assembly, Oil burner. G. D. Schneidau. 2,490,479, Dec. 6.
- Tube assembly, Radial beam. P. M. Erlandson. 2,476,966, July 26.
- Tube base removing machine. G. L. Rishell. 2,478,982, Aug. 16.
- Tube beading and flaring machine. E. C. Hartley and H. E. Hull. 2,466,522, Apr. 5.
- Tube beading and flaring tool. H. F. Brinen. 2,480,629, Aug. 30.
- Tube beading and flaring tool. H. F. Brinen and E. J. Kothera. 2,480,630, Aug. 30.
- Tube bending apparatus, Glass. A. Greiner. 2,476,658, July 19.
- Tube chamfering tool. R. M. Gassmann. 2,470,392, May 17.
- Tube circuits, Cathode-ray. A. H. A. Wynn. 2,492,674, Dec. 27.
- Tube clamping and severing machine. N. D. Abbey. 2,484,601, Oct. 11.
- Tube closure. J. J. Robinson, Jr. 2,491,213, Dec. 13.
- Tube comprising a secondary emission electrode, Electric discharge. A. J. W. M. van Overbeek, G. H. P. Alma, and C. P. Klöpping. 2,478,141, Aug. 2.
- Tube comprising electrodes secured to rods, Electric discharge. J. C. Janssen. 2,458,945, Jan. 11.
- Tube connector and tube flarer, Combined. R. Somma. 2,466,057, Apr. 5.
- Tube construction. P. G. Chevigny. 2,462,845, Mar. 1.
- Tube coupling. L. B. Courtot. 2,460,621, Feb. 1.
- Tube coupling. C. B. Crawford. 2,484,815, Oct. 18.
- Tube coupling. F. A. Kane, Jr. 2,466,317, Oct. 25.
- Tube coupling. F. A. Kane, Jr. 2,466,317, Oct. 25.
- Tube coupling. A. E. Kinsey. 2,463,883, Mar. 8.
- Tube coupling. J. Mercer. 2,480,496, Aug. 30.
- Tube coupling. H. D. Stecher and E. F. Jackman. 2,469,851, May 10.
- Tube coupling. J. F. Stephens. 2,465,972, Mar. 29.
- Tube deflecting system, Cathode-ray. D. L. Plaistowe and R. P. Shipway. 2,469,051, May 3.
- Tube device for waveguides, Switch. W. M. Hall and J. D. Le Van. 2,491,971, Dec. 20.
- Tube device to measure density differences of photographic transparencies, Cathode-ray. A. Simmon. 2,367,057, Apr. 12.
- Tube drill means, Abrasive. H. V. Allison. 2,459,122, Jan. 11.
- Tube end forming machine. C. Eisler. 2,470,923, May 24.
- Tube expander with expansible ball drift removable by its expansion. G. A. Geyer. 2,459,808, Jan. 25.
- Tube extracting device. R. W. Clark. 2,468,392, Apr. 26.

- Tube flaring device and holder therefor. H. Bachli and H. S. Shapiro. 2,489,360, Nov. 29.
- Tube flaring machine. H. E. Hull. 2,464,510, Mar. 15.
- Tube for brakes, Expander. C. Hollerith. 2,473,646, June 21.
- Tube for high frequencies. Amplifier. G. Liebmann. 2,474,584, June 28.
- Tube for ionic valves for high-voltage static current converters, Anode. G. J. Persson. 2,468,836, May 3.
- Tube for molten metal, Blowing. R. M. Gibson. 2,472,416, June 7.
- Tube for oil burners, Blast. A. E. Watts. 2,480,345, Aug. 30.
- Tube for radiation pyrometers, Target. D. M. Considine. 2,465,322, Mar. 22.
- Tube-forming apparatus. F. V. Collins. 2,484,075, Oct. 11.
- Tube forming apparatus. R. B. Thomas and G. S. Quinn. 2,492,904, Dec. 27.
- Tube-forming device. F. V. Collins. 2,458,563, Jan. 11.
- Tube forming device. F. V. Collins. 2,461,372, Feb. 8.
- Tube forming device. F. V. Collins. 2,484,076, Oct. 11.
- Tube grid structure. Electron. J. B. Zetka. 2,472,767, June 7.
- Tube having a fluid or solid cathode and a capacitative igniter, Discharge. N. Warmoltz. 2,473,232, June 14.
- Tube having a secondary-emission electrode, Thermionic. H. Bienfait and C. F. Veemans. 2,472,189, June 7.
- Tube mechanism with vibrating tool, Sealer. R. L. Kaas. 2,482,490, Sept. 20.
- Tube mounting. D. J. Nigg. 2,484,578, Oct. 11.
- Tube mill. J. E. Kennedy. 2,486,477, Nov. 1.
- Tube nest manufacture. W. Huber. 2,489,888, Nov. 29.
- Tube nut. A. J. Weatherhead, Jr. 2,466,521, Apr. 5.
- Tube pulse separation and demodulation system, Cathode-ray. E. Labin and D. D. Grieg. 2,465,880, Mar. 29.
- Tube securing means. B. G. Carlson. 2,470,546, May 17.
- Tube securing means for locomotive and other boilers. W. E. Woodard and A. H. Filander. 2,469,487, May 10.
- Tube starter, Voltage regulator. R. W. Lee and R. L. Garman. 2,483,386, Sept. 27.
- Tube structure for electron discharge tubes, Exhaust. L. Thibieroz. 2,479,032, Aug. 16.
- Tube structure, High-frequency. W. T. Cooke, J. J. Caldwell, Jr., and D. G. Clifford. 2,463,519, Mar. 8.
- Tube structure, High-frequency. W. T. Cooke, J. J. Caldwell, Jr., and D. G. Clifford. 2,490,030, Dec. 6.
- Tube structure, High-frequency. W. W. Hansen. 2,480,133, Aug. 30.
- Tube structure, High-frequency. S. F. Varian and E. L. Ginzton. 2,475,652, July 12.
- Tube structure, Subminiature type vacuum. R. Wood. 2,476,940, July 19.
- Tube support. J. Young, Jr. 2,458,670, Jan. 11.
- Tube system and apparatus, Luminescent. C. P. Boucher and F. A. Kuhl. 2,461,029, Feb. 8.
- Tube system and apparatus, Luminescent. J. H. Bridges. 2,481,468, Sept. 6.
- Tube system, Indicating. H. G. Busignies. 2,471,409, May 31.
- Tube testing apparatus. J. W. Millington, and W. H. Stewart. 2,470,828, May 24.
- Tube unit, Removable capillary. G. O. R. Lindgren. 2,489,914, Nov. 29.
- Tube with a noncontaminating insert for the neck thereof, Collapsible. F. M. Menheneott and W. J. Hagger. 2,481,857, Sept. 13.
- Tube with filamentary cathode, Vacuum. J. A. Victoreen. 2,462,441, Feb. 22.
- Tube with improved electrode system, Electric discharge. J. H. van den Berge and G. Starre. 2,490,177, Dec. 6.
- Tube with metal foil electrode, Electron discharge. J. L. H. Jonker and G. Diemer. 2,470,248, May 17.
- Tube with plated electrode, Discharge. F. Prakte, W. Keeman, and K. Rodenhuis. 2,484,311, Oct. 11.
- Tube with storage properties, Television receiving. G. C. Sziklai. 2,462,569, Feb. 22.
- Tube with trimming condenser, Electron discharge. J. A. B. Zaat. 2,488,791, Nov. 22.
- Tube working apparatus. M. F. Cook. 2,460,490, Feb. 1.
- Tubes and the like, Lining combustion. D. Meyer. 2,458,285, Jan. 4.
- Tubes, pipes, and the like. P. R. Goldman. 2,473,875, June 21.
- Tubing and apparatus therefor, Making. W. L. Jenkins. 2,491,048, Dec. 13.
- Tubing for heat exchangers operated at high temperatures and pressures. C. Keller. 2,476,666, July 19.
- Tubing, Manufacturing. J. Karmazin. 2,475,568, July 5.
- Tubing of predetermined desired characteristics, Making flattened thermoplastic. E. D. Fuller. 2,461,975, Feb. 15.
- Tubing of predetermined desired characteristics, Making flattened thermoplastic. B. H. Schenk. 2,461,976, Feb. 15.
- Tubing rack. D. M. Cox. 2,459,627, Jan. 18.
- Tubing rotator. D. R. Corman. 2,471,198, May 24.
- Tubular air heater. T. Young. 2,475,120, July 5.
- Tubular article comprising rubber-like material. R. D. Sanders. 2,458,305, Jan. 4.
- Tubular article, Laminated. R. J. Nebesar. 2,465,257, Mar. 22.
- Tubular articles of plastic sheet material, Making. G. V. Morey. 2,487,067, Nov. 8.
- Tubular heater. O. C. Schauble. 2,479,544, Aug. 16.
- Tubular joint. W. McArthur. 2,477,997, Aug. 2.
- Tubular knob latch. A. Erkkila. 2,486,268, Oct. 25.
- Tubular member connection. G. D. Scott. 2,476,566, July 19.
- Tubular plastic articles, Making. R. N. Sabee and C. S. White. 2,481,951, Sept. 13.
- Tubular structure. I. L. Langvand. 2,479,578, Aug. 23.
- Tubular structure, Threaded. A. W. Galbraith. 2,476,656, July 19.
- Tuck pointer's hawk. P. J. Morset. 2,481,233, Sept. 6.
- Tufted terry products, Making. E. D. Miller. 2,486,963, Nov. 1.
- Tufting machine. R. H. Bradwell and J. D. Brock. 2,482,647, Sept. 20.
- Tufting machine. A. E. Charles. 2,478,743, Aug. 9.
- Tufting machine. S. P. Parker. 2,485,163, Oct. 18.
- Tumbler for laundry, Air drying. G. A. Patterson and B. S. Kagan. 2,486,058, Oct. 25.
- Tumbler, Laundry conditioning. H. W. Fay. 2,463,683, Mar. 8.
- Tumbler switch. G. A. Wahlström. 2,476,784, July 19.
- Tumbling and agitating machine. H. W. Bishop. 2,476,478, July 19.
- Tumbling barrel finishing and material and production thereof. C. H. Castle. 2,464,486, Mar. 15.
- Tumbling machine. E. B. Banks. 2,476,078, July 12.
- Tunable circuit. H. E. Overacker. 2,463,417, Mar. 1.
- Tunable lecher circuit. C. G. Reinschmidt. 2,475,198, July 5.
- Tunable unit for high-frequency circuit. F. C. Everett. 2,483,893, Oct. 4.
- Tuned microwave wattmeter. H. E. Webber. 2,483,131, June 28.
- Tuner, Automatic radio. I. Andersson. 2,488,575, Nov. 22.
- Tuner, Combined inductance and capacity. J. L. Rennick. 2,483,105, Sept. 27.
- Tuner device for radio apparatus and the like, Semiautomatic. R. W. May. 2,472,979, June 14.
- Tuner employing variably spaced parallel plate transmission line, Magnetron inductive. P. L. Hartman. 2,466,765, Apr. 12.
- Tuner for radio receivers. W. J. O'Brien. 2,489,721, Nov. 29.
- Tuner, Precision radio. S. Y. White. 2,491,347, Dec. 13.
- Tuner, Radio. P. C. Jones. 2,478,925, Aug. 16.
- Tuner, Stop-on carrier. W. P. Boothroyd, and W. H. Forster. 2,470,843, May 24.
- Tuner, Ultra high frequency. F. Wilburn. 2,482,393, Sept. 20.
- Tuner, Variable permeability. H. H. Grimm. 2,457,816, Jan. 4.
- Tungsten alloys, Producing. W. C. Lilliendahl. 2,489,912, Nov. 29.
- Tungsten carbide, Marking. D. C. Fonda. 2,492,214, Dec. 27.
- Tungsten, Producing. C. G. Fink and C. C. Ma. 2,463,367, Mar. 1.
- Tungsten values from ore, Recovering. B. Burwell and J. H. Brennan. 2,459,868, Jan. 25.
- Tuning and indicating mechanism. F. A. Dawson. 2,458,690, Jan. 11.
- Tuning apparatus with straight-line characteristic curve. T. A. Hunter. 2,468,071, Apr. 26.
- Tuning arrangement for thermionic valve circuits. W. A. Gold. 2,483,409, Oct. 4.
- Tuning arrangement, Variable. I. J. Kaar. 2,479,368, Aug. 16.
- Tuning closely coupled circuits, Method and tool for. E. A. Jensen and W. Wilkinson. 2,489,645, Nov. 29.
- Tuning control and band switching arrangement. H. T. Abrams. 2,469,941, May 10.
- Tuning control for radio receivers, Motor-driven. F. Himmer. 2,490,591, Dec. 6.
- Tuning control for radio sets, Single button. R. F. Koch. 2,487,760, Nov. 8.
- Tuning control system for signal seeking receivers. M. G. Nicholson, Jr. 2,472,957, June 14.
- Tuning device. L. J. Leishman. 2,480,375, Aug. 30.
- Tuning device. E. O. Peterson and E. W. Forstrom. 2,475,636, July 12.
- Tuning device for pianofortes. J. Meiszner. 2,469,738, May 10.
- Tuning device for superheterodyne receivers, Unicontrol permeability. F. H. Gusdorf. 2,486,152, Oct. 25.
- Tuning device for wind musical instruments. C. H. Strupe. 2,485,021, Oct. 18.
- Tuning device, Slide core. T. A. Spoor. 2,489,595, Nov. 29.
- Tuning electric system, Automatic. W. P. Boothroyd. 2,486,551, Nov. 1.
- Tuning fork and control system. A. G. Cooley. 2,469,951, May 10.
- Tuning indicator for frequency modulation signals, Visual. C. E. Young. 2,482,821, Sept. 27.
- Tuning means. R. G. Schrieffer. 2,490,836, Dec. 13.
- Tuning means comprising variable condenser and adjustable inductor of the mechanically deformable type. W. O. Bradford and E. G. Zapor. 2,459,493, Jan. 18.

- Tuning means for radio receivers and the like. R. C. Wilks. 2,479,658, Aug. 23.
- Tuning means, Radio. B. A. Schwarz, H. M. Stelzl, and M. G. Wright. 2,489,544, Nov. 29.
- Tuning mechanism. J. M. Ammerman. 2,488,366, Nov. 15.
- Tuning mechanism. K. L. Henderson. 2,482,181, Sept. 20.
- Tuning mechanism. G. C. Larson. 2,490,526, Dec. 6.
- Tuning mechanism. J. E. Laschenski. 2,478,287, Aug. 9.
- Tuning mechanism. J. E. Tillman. 2,491,341, Dec. 13.
- Tuning mechanism, Self-locking push-button. M. J. Pifer. 2,482,026, Sept. 13.
- Tuning system. A. G. Kandoian. 2,492,155, Dec. 27.
- Tuning system, Inductor. F. N. Jacob. 2,477,749, Aug. 2.
- Tuning system, Loop-antenna. B. D. Loughlin. 2,469,168, May 3.
- Tuning system, Multifrequency. O. W. Greene, Jr. 2,479,064, Aug. 16.
- Tuning system, Multiple. D. B. Keim. 2,477,985, Aug. 2.
- Tuning system, Permeability. W. F. Sands. 2,486,986, Nov. 1.
- Tuning system, Variable inductance. L. O. Vladimir. 2,475,637, July 12.
- Tuning system, Variable permeability. W. R. Koch. 2,475,032, July 5.
- Tuning unit. L. H. Van Billiard. 2,492,773, Dec. 27.
- Tuning unit, Dual band permeability. A. M. Hadley. 2,477,979, Aug. 2.
- Tunnel, Food freezing. A. Silvera. 2,474,069, June 21.
- Tunneling machine. R. D. Karr. 2,466,709, Apr. 12.
- Turbine. G. K. W. Boestad and E. O. Eriksson. 2,462,600, Feb. 22.
- Turbine. E. A. Stalker. 2,489,683, Nov. 29.
- Turbine and compressor with bladed duct with turbine cooling, Contrarotating axial flow high and low pressure. A. A. Griffith. 2,477,798, Aug. 2.
- Turbine apparatus. C. D. Flagle. 2,478,909, Aug. 16.
- Turbine apparatus. R. P. Kroon. 2,474,258, June 28.
- Turbine apparatus. S. S. Stine. 2,459,850, Jan. 25.
- Turbine blade lashing. J. D. Conrad and W. H. Lloyd. 2,472,886, June 14.
- Turbine casing arrangement, High-temperature. C. W. Elston. 2,467,818, Apr. 19.
- Turbine casing construction. G. K. W. Boestad and H. R. Nilsson. 2,472,062, June 7.
- Turbine, Combination steam and gas. E. T. Wyman. 2,469,678, May 10.
- Turbine, Combustion. S. E. Richeson. 2,474,404, June 28.
- Turbine construction. H. A. Altorfer. 2,470,126, May 17.
- Turbine construction. V. Cronstedt. 2,479,038, Aug. 16.
- Turbine cooling. A. Kalitinsky. 2,469,732, May 10.
- Turbine driven fan and supercharger, Exhaust. E. H. Polk. 2,485,655, Oct. 25.
- Turbine, Elastic fluid. H. G. Yates. 2,484,774, Oct. 11.
- Turbine for internal-combustion engines, Exhaust. E. C. Magdeburger. 2,483,654, Oct. 4.
- Turbine, Gas. W. G. Lundquist. 2,469,439, May 10.
- Turbine, Gas. E. T. Wyman. 2,469,679, May 10.
- Turbine, Gas. E. T. Wyman. 2,482,394, Sept. 20.
- Turbine, Hydraulic. J. J. Ring. 2,491,059, Dec. 13.
- Turbine, Internal-combustion. A. J. Prime, L. T. Whitehead, and W. R. Hawthorne. 2,476,218, July 12.
- Turbine of double rotation type, Radial-flow. R. O. J. Möller. 2,472,543, June 7.
- Turbine operated by combustion products and air, Forward and reverse. R. J. Imbert and M. H. L. Sédille. 2,477,184, July 26.
- Turbine plant, Gas. I. K. E. Jung. 2,474,582, June 28.
- Turbine plant, Gas. W. Traupel. 2,478,851, Aug. 9.
- Turbine pump type hydraulic coupling. G. W. Peterson. 2,462,223, Feb. 22.
- Turbine rotor cooling. G. K. W. Boestad and E. O. Eriksson. 2,487,514, Nov. 8.
- Turbine sealing construction. V. T. Moore. 2,463,898, Mar. 8.
- Turbine, Steam. C. B. Powledge. 2,467,990, Apr. 19.
- Turbine system, Gas. R. Strub. 2,483,073, Sept. 27.
- Turbine system, Variable load gas. W. Traupel. 2,489,939, Nov. 29.
- Turbine transmission, Adjustable hydraulic. R. L. Copeland. 2,464,215, Mar. 15.
- Turbine wheel. D. P. Eastman. 2,484,274, Oct. 11.
- Turbine wheel forgings, Making. C. A. Brauchler. 2,487,304, Nov. 8.
- Turbocompressor and gas turbine, Combined gas. R. O. J. Moller. 2,460,523, Feb. 1.
- Turbogenerator. J. P. Jones. 2,481,222, Sept. 6.
- Turbomachine, High-temperature. W. Traupel. 2,467,168, Apr. 12.
- Turbo supercharger. D. P. Eastman. 2,487,532, Nov. 8.
- Turbosupercharger. W. M. Nichols. 2,475,151, July 5.
- Turf treating machine. H. H. Horth. 2,464,038, Mar. 8.
- Turnbarrel connection. R. W. Landon. 2,479,172, Aug. 16.
- Turnbuckle. O. J. Bratz. 2,479,096, Aug. 16.
- Turnbuckle. P. G. Gleason. 2,462,382, Feb. 22.
- Turnbuckle, Safety. S. Toorans. 2,484,360, Oct. 11.
- Turnbuckle wrench. T. L. Gagnon. 2,475,606, July 12.
- Turntable drive utilizing two motors, Dual-speed phonograph. W. E. Boyd, Jr. 2,490,667, Dec. 6.
- Turntable unit for portable mechanical cranes. J. L. Grundon. 2,481,416, Sept. 6.
- Turned slippers or similar footwear, Manufacture of. K. E. Tholson. 2,474,553, June 28.
- Turner, Log. J. A. Weber. 2,484,362, Oct. 11.
- Turning device. D. V. James. 2,486,030, Oct. 25.
- Turning device for jar tops. E. J. Drew. 2,483,759, Oct. 4.
- Turning head, Multiple. L. Persing. 2,473,367, June 14.
- Turning machine, Shoe heel. J. P. Quirk and L. G. P. Hafner. 2,488,100, Nov. 15.
- Turning wood heels. J. P. Quirk and L. G. P. Hafner. 2,487,672, Nov. 8.
- Turpentine, Refining. G. H. Splittgerber. 2,461,007, Feb. 8.
- Turret and control mechanism therefor, Power-operated gun. R. E. Duplessis. 2,491,608, Dec. 20.
- Turret drill head. E. Hijmans. 2,491,859, Dec. 20.
- Turret for automatic lathes, Horizontal. E. Bodmer. 2,564,844, Mar. 22.
- Turrethead. C. W. Berthiez. 2,466,199, Apr. 5.
- Turret injection machine. H. F. MacMillin. 2,479,383, Aug. 16.
- Tuyère construction for underfeed stokers. E. B. Thomas. 2,471,797, May 31.
- Tweezer, Hair. C. J. Schubiger. 2,486,616, Nov. 1.
- 21-bromopregnenes. L. H. Saret. 2,492,191, Dec. 27.
- Twin bed sofa, Stationary. H. H. Megary. 2,476,105, July 12.
- Twin gun mount. C. W. Greene. 2,464,926, Mar. 22.
- Twine or cord cutter. J. T. McGonigal. 2,463,990, Mar. 8.
- Twist drill depth gauge. O. B. O'Neill. 2,477,891, Aug. 2.
- Twistable blade plug. W. J. Crehan. 2,478,570, Aug. 9.
- Twisted paper thread and method of and apparatus for twisting the same. E. E. Lambert. 2,486,037, Oct. 25.
- Twister, Ring. E. Roatta and A. Peyssonneaux. 2,464,151, Mar. 8.
- Twisting apparatus. E. D. Hanson, G. E. Henning, and O. G. Nelson. 2,479,928, Aug. 23.
- Twisting apparatus and method, Yarn. V. A. Agresti, G. W. Bogdanffy, C. O. Mitchell, and H. C. Uhlig. 2,492,778, Dec. 27.
- Twisting device and method. E. C. Gwaltney. 2,473,521, June 21.
- Twisting device, Double-twist. J. K. Cochran and J. Pfister. 2,482,654, Sept. 20.
- Twisting machine. G. E. Henning. 2,475,427, July 5.
- Twisting machine, Automatic multiple. O. Wennberg. 2,468,717, Apr. 26.
- Twisting machinery. A. E. Welch. 2,486,349, Oct. 25.
- Twisting means. W. Rowedder. 2,481,538, Sept. 13.
- Twisting yarn, Method of and apparatus for. H. C. Uhlig. 2,487,837, Nov. 15.
- 2-acetoxybenzyl acetylsalicylate. G. J. Martin and H. Urist. 2,474,005, June 21.
- 2-acetyl-4-methylthiophene. H. D. Hartough and A. I. Kosak. 2,492,631, Sept. 27.
- 2-acylamino-5-thiazolylphenyl sulfide and process for making same. L. L. Bambas. 2,475,872, July 12.
- 2-acyl-2-(8-carbalkoxyethyl)-cycloalkanones. H. A. Bruson and H. R. Raterink. 2,466,926, Apr. 12.
- 2-acyl-2-(8-cyanoethyl)-cycloalkanones. H. R. Raterink and H. A. Bruson. 2,466,739, Apr. 12.
- 2-acyl-2-(8-cyanobutyl)-cycloalkanones. H. A. Bruson and T. W. Riener. 2,466,679, Apr. 12.
- 2-alkyl-5,5-dimethyl-Δ²-4-thiazoline-carboxylic acids and preparing the same. J. C. Sheehan, R. Mozingo, K. Folkers, and M. Tishler. 2,477,148, July 26.
- 2-amino- and 2-alkylthio-Δ²-4-furyl-thiazoles. E. B. Knott, F. M. Hamer, and R. J. Rathbone. 2,481,673, Sept. 13.
- 2-amino-4-hydroxy-6-methyl pteridine, Preparation of. J. Semb. 2,477,426, July 26.
- 2-amino pyrimidines and 2-amino glyoxalines, Production of. W. F. Short and P. Oxley. 2,473,111, June 14.
- 2-amino-6-hydroxy-8-(hydroxymethyl) pteridine, Manufacture of. H. Spiegelberg and G. Rey-Bellet. 2,461,503, Feb. 8.
- 2-amino-3-carboxy quinoxaline, Production of. J. Weijlard and M. Tishler. 2,479,443, Aug. 16.
- 2- and 4-sulfanilamido quinoxaline. F. J. Wolf. 2,473,931, June 21.
- 2-aryl amino-4-halogenoquinolines. F. H. S. Curd, C. G. Raison, and F. L. Rose. 2,472,066, June 7.
- 2-benziminazoyl-amino pyrimidines. F. R. Basford, F. H. S. Curd, and F. L. Rose. 2,460,409, Feb. 1.
- 2-benzyl-4-alkoxymethylene-5(4)-oxazolone hydrohalide and making same. R. L. Clark. 2,483,529, Oct. 4.
- 2-benzyl-4-hydroxymethylene-5(4) oxazolones and making same. S. A. Harris, G. E. Arth, C. H. Hoffman, and K. Folkers. 2,489,581, Nov. 29.
- 2-(8-carboxyethyl)-2-cyclohexenyl cyclohexanone. H. A. Bruson. 2,466,680, Apr. 12.
- 2-bis(5-cyclylpyrrole)azamethine dyes. E. B. Knott. 2,469,830, May 10.
- 2-carboalkoxy-1,3-butadiene dimers by pyrolysis of Δ²-carboalkoxy cyclohexenes, Preparation of. J. C. Westfahl. 2,480,892, Sept. 6.
- 2-carboxy-1,2'-dianthrilmide, (Recovering. M. H. Fleysher. 2,478,910, Aug. 16.
- 2-chlorobenzothiazoles, Preparation of. N. S. Moon. 2,469,697, May 10.
- 2-Chloro-1,3 butadiene co-polymers having improved stability, Preparation of. R. S. Barrows. 2,478,737, Aug. 9.

- 2-chloropyrimidine, Preparation of. K. L. Howard. 2,477,409, July 26.
- 2-cyano-2,3-diacetoxy butanes. A. M. Clifford and J. R. Long. 2,476,026, July 12.
- Two-cycle engine. J. J. McCoy. 2,473,164, June 14.
- Two-cycle opposed piston engine. M. Mallory. 2,473,759, June 21.
- Two-cycle scavenging engine, supercharging. C. E. Lucke. 2,476,447, July 19.
- Two-cylinder foot operated air pump. A. Cunniff. 2,476,481, July 19.
- 2,8-dihydronaphthalene-6-sulfonic acid as the azo component for diazotype prints. W. H. von Glahn and L. N. Stanley. 2,487,034, Nov. 1.
- 2,5-dialkoxy tetrahydrofurans and making them. D. G. Jones. 2,465,988, Apr. 5.
- 2,5-dichlorothiophene, Making. G. C. Johnson. 2,492,644, Dec. 27.
- 2,5 dimethylfuran and acetylacetone, Manufacture of. I. M. Heilbron and E. R. H. Jones. 2,470,070, May 10.
- 2,4-dichlorophenoxy-acetic acid, Preparing. R. H. F. Manske. 2,471,575, May 31.
- 2,4-dihydrobenzene-sulfonic acid, Preparing. W. D. Peterson. 2,487,586, Nov. 8.
- 2,4,5-triamino-6-hydroxypyrimidine, Preparation of. E. Kuh and H. S. Barnaby. 2,473,802, June 21.
- 2-(4,4' bis dimethylaminobenzohydryl) 5 dimethylaminobenzoic acid. C. S. Adams. 2,458,328, Jan. 4.
- 2-(4' carboxy-butyl)-3:4-di(acylamido)-4:5 dihydrothiophene and its esters. S. A. Harris and G. E. Arth. 2,459,817, Jan. 25.
- 2,4,6-trichlororesorcin, Production of. J. E. Cavelti. 2,485,562, Oct. 25.
- Two-hand control. H. Mills. 2,473,167, June 14.
- 2-mercaptopyrimidines and preparing same. F. Swedish, Jr. 2,491,532, Dec. 20.
- 2-mercaptopyrimidines, Preparation of. R. A. Mathes and F. D. Stewart. 2,491,509, Dec. 20.
- 2-methyl-4-phenylbenzothiazole and quaternary salts thereof. G. Van Zandt and L. G. S. Brooker. 2,485,679, Oct. 25.
- 2-n-butylpyrimidine homologue of thiamine. R. T. Major, K. Folkers, O. H. Johnson, and P. L. Southwick. 2,478,049, Aug. 2.
- 2-(n-piperidino-methyl)-indanes, their salts and preparation thereof. K. Hoffmann, H. Schellenberg, and K. Miescher. 2,479,744, Aug. 23.
- 2-naphthyl J-acid and the urethanes thereof as color formers. V. Tulagin and W. A. Schmidt. 2,480,815, Aug. 30.
- 2-nonenic acid, Preparation of. W. J. Peppel. 2,488,557, Nov. 22.
- 2 or 4-amino quinazolines. F. J. Wolf. 2,461,950, Feb. 15.
- 2-(p-methoxybenzyl, dimethylaminoethyl) aminopyrimidine and its hydrochloride. H. L. Friedman and A. V. Tolstouhov. 2,465,865, Mar. 29.
- 2-(para-aminobenzene-sulfonamido) - 4 - methylpyrimidine, Production of. M. L. A. Fluchaie and S. Javorsky. 2,488,081, Nov. 15.
- Two-part pocket case. M. Kaplan. 2,471,963, May 31.
- 2-phenacylpyrimidines and preparing the same. J. M. Smith, Jr., and B. Roth. 2,487,391, Nov. 8.
- 2-[phenthiazinyl - (N) - methyl]-imidazolines, the corresponding 2-(phenoxyaziny) imidazolines, and their salts. K. Miescher and A. Marxer. 2,485,212, Oct. 18.
- Two-piece plastic loose-leaf memorandum sheet holder. M. E. Trollden. 2,462,789, Feb. 22.
- 2'-keto-3,4-imidazolido-2-thiophene-valeric acid and obtaining the same. L. C. Cheney and J. R. Piening. 2,466,604, Apr. 5.
- Two range exposure meter. A. J. McMaster. 2,472,381, June 7.
- Two-stage azeotropic distillation of nonaromatic hydrocarbons from toluene. R. Cubicciotti. 2,483,625, Oct. 4.
- Two-stage process for the synthesis of hydrocarbons. C. H. Holder. 2,483,771, Oct. 4.
- Two-stage reduction process for producing metal catalyst. R. W. Krebs. 2,481,226, Sept. 6.
- Two-stage synthesis of hydrocarbons. F. T. Barr and W. G. Scharmann. Re. 23,145, Sept. 6.
- Two-stroke internal-combustion engine. P. Farkas. 2,477,173, July 26.
- Two-stroke internal-combustion engine. O. Petersen. 2,464,652, Mar. 15.
- Two-stroke motor. H. Convert. 2,461,199, Feb. 8.
- Two-stroke motor. A. Ide. 2,477,374, July 26.
- 2-sulfanilamido-5-carboxythiazole. P. S. Winnek and E. R. Bockstaber. 2,480,532, Aug. 30.
- 2-sulfanilamido-4-alkoxymethyl-6-methyl-pyrimidines and their preparation. W. A. Lott and W. Braker. 2,484,629, Oct. 11.
- 2-sulfanilamido-4,5-dicarboxythiazole and method of preparation. J. M. Sprague. 2,486,807, Nov. 1.
- 2-sulfanilamido-4-thiazolones. M. L. Moore and J. M. Sprague. 2,476,944, July 19.
- 2-sulfanilamido-pyrimidines having an acetal substituent in the pyrimidine nucleus. W. Braker. 2,484,606, Oct. 11.
- 2-thioureido-4-methyl thiazole hydrochloride, Preparation of. R. L. Sperry. 2,470,585, May 17.
- 2,3-bis-(benzamidomethylthio)-propanol. F. K. Signaigo. 2,467,602, Apr. 19.
- 2,3-dichlorobutadiene-1,3, Manufacture of. R. T. O'Donnell. 2,459,760, Jan. 18.
- 2,3-dimethylbutadiene from methyl pentadiene, Azeotropic distillation of. R. C. Brandon. 2,459,410, Jan. 18.
- 2-3 methyl butadiene 1-3, Preparation of. D. W. Young and C. E. Britton. 2,461,362, Feb. 8.
- 2-trifluoromethyl-1,3-butadiene. H. M. Hill and E. B. Towne. 2,490,753, Dec. 6.
- 2,2-bis-(4-methoxyphenyl)-1,1,1-trichloroethane, Preparing. D. A. Shirley. 2,477,665, Aug. 2.
- 2,2-bis-(4-methylthiophenyl)-1,1,1-trichloroethane. D. A. Shirley. 2,472,269, June 7.
- 2,2'-dithio bis (n-aryl carbamic ester) softeners for rubbers. P. T. Paul and L. B. Tewksbury, Jr. 2,470,946, May 24.
- 2,2'-dithio bis propionanilide softener for rubbers. P. T. Paul. 2,470,947, May 24.
- 2,2' (2-ethylhexanamido)diethyl di(2-ethylhexanoate). F. Johnston and W. H. Hensley. 2,472,901, June 14.
- Two-value capacitor motor. P. H. Trickey. 2,476,073, July 12.
- 2-[vinyl-dicarboxylic acid ester]-3-amino-1,2,4-triazoles and preparing the same. N. Heimbach and W. Kelly, Jr. 2,476,549, July 19.
- Two-voltage shaver motor. R. Knopp. 2,466,900, Apr. 12.
- Tying device. H. Truswell. 2,473,622, June 21.
- Tying device, Bag and container. L. E. Johnston. 2,459,530, Jan. 18.
- Tying device, Knot. D. Burkard. 2,460,489, Feb. 1.
- Tying device, Wire. O. S. and C. F. Lee. 2,492,228, Dec. 27.
- Tying machine for elongated packages. B. H. Bunn. 2,471,304, May 24.
- Tying machine, Sausage casing. J. C. Gunn. 2,462,957, Mar. 1.
- Tying machine, Warp. C. B. Crandall. 2,479,604, Aug. 23.
- Tying machine, Wire. K. E. Schulze. 2,460,846, Feb. 8.
- Tympan gauge. H. Iaro. 2,477,188, July 26.
- Type dispenser. E. W. Flood. 2,477,514, July 26.
- Type head mechanism for typewriting machines, Shiftable. O. W. Swanson. 2,480,979, Sept. 6.
- Type-heating unit, Electrical. W. F. Lamb. 2,476,670, July 19.
- Type wheel detent means on calculating machines. R. E. Boyden. 2,492,263, Dec. 27.
- Typewheel positioning mechanism for printing telegraph apparatus. R. D. Salmon. 2,462,132, Feb. 22.
- Typewriter base, Silent. J. J. Jimenez. 2,486,032, Oct. 25.
- Typewriter for justifying lines. C. W. Norton. 2,487,890, Nov. 15.
- Typewriter for writing the Chinese language. T. Yen. 2,471,807, May 31.
- Typewriter, Justifying. E. Root, III. 2,484,649, Oct. 11.
- Typewriter, Platenless. C. W. Dohn. 2,460,813, Feb. 8.
- Typewriter sheet end indicator. E. E. McCoy, Jr. 2,474,951, July 5.
- Typewriter support. J. Vale. 2,474,385, June 28.
- Typewriting and accounting machine. O. J. Sundstrand. 2,459,469, Jan. 18.
- Typewriting machine. A. Colombo. 2,476,841, July 19.
- Typing and justifying machine. C. W. Norton. 2,465,657, Mar. 29.
- Typing mechanism for typewriters or like machines, Power-operated. J. J. Kittel. 2,474,741, June 28.
- Typing reperforator. A. P. Di Gregorio. 2,482,103, Sept. 20.
- Typographical element or matrix. H. R. Freund. 2,486,834, Nov. 1.
- Tyrosine, Preparation of. A. L. Baron. 2,482,832, Sept. 27.
- Tyrosine production. W. R. Mitchell. 2,465,338, Mar. 29.
- U-tube pressure gauge. A. L. Lawson. 2,483,914, Oct. 4.
- Ultra high frequency amplifying circuit. M. J. O. Strutt and A. van der Ziel. 2,476,392, July 19.
- Ultra high frequency apparatus. A. M. Gurewitsch. 2,465,801, Mar. 29.
- Ultra high frequency apparatus of the cavity resonator type. J. R. Woodyard. 2,468,152, Apr. 26.
- Ultra high frequency coupling. W. E. Bradley. 2,473,274, June 14.
- Ultra high frequency dielectric heater. H. E. Revercomb and P. W. Morse. 2,483,933, Oct. 4.
- Ultra high frequency dielectric heater. H. E. Revercomb and D. E. Watts. 2,467,230, Apr. 12.
- Ultra high frequency harmonic generator. R. V. L. Hartley. 2,463,617, Mar. 8.
- Ultra high frequency mixer circuit. A. van Weel. 2,475,064, July 5.
- Ultra high frequency oscillation generator. B. D. Loughlin. 2,472,598, June 7.
- Ultra high frequency rotatable joint. G. L. Ragan. 2,473,443, June 14.
- Ultra high frequency switch. J. O. Spriggs. 2,475,647, July 12.
- Ultra-short-wave signal-translating device. H. A. Wheeler. 2,474,608, June 28.
- Ultraviolet lamp. H. C. Rentschler. 2,469,410, May 10.
- Ultraviolet ray intensity meter. L. F. Bird. 2,490,011, Dec. 6.

- Ultraviolet ray toilet seat. E. Spierer. 2,460,543, Feb. 1.
- Umbrella. F. Brillas. 2,492,376, Dec. 27.
- Umbrella. A. F. Mote. 2,479,250, Aug. 16.
- Umbrella. E. Schmidt. 2,468,240, Apr. 26.
- Umbrella, Collapsible. I. Le R. Benton. 2,492,457, Dec. 27.
- Umbrella construction. D. M. Cohen. 2,475,446, July 5.
- Umbrella frame. W. S. Evans and L. G. Tartaglia. 2,469,637, May 10.
- Umbrella holder. J. I. Williams. 2,458,235, Jan. 4.
- Umbrella, Metal. S. B. Korman. 2,466,595, Apr. 5.
- Umbrella pocket and umbrella. E. P. Montague. 2,461,390, Feb. 8.
- Umbrella rib tip protector. P. Valentino. 2,470,381, May 17.
- Umbrella, Tractor. W. Daniel. 2,474,516, June 28.
- Umbrellas, Tiltable. E. Schmidt. 2,462,560, Feb. 22.
- Undercarriage for aircraft, Retractable. P. H. Satre. 2,478,426, Aug. 9.
- Undercutter, Right-angle. J. W. McClendon. 2,487,935, Nov. 15.
- Undercutting tool. L. Weber. 2,461,947, Feb. 15.
- Underframe with center sill for land vehicles such as railway cars. R. Eksergian. 2,490,788, Dec. 13.
- Undergarment. A. R. Kneibler. 2,462,508, Feb. 22.
- Undergarment. E. A. Rockwell. 2,483,302, Sept. 27.
- Undergarment. E. A. Rockwell. 2,487,893, Nov. 15.
- Undergarment. S. Roodner. 2,470,901, May 24.
- Undergarment, Children's. W. D. Humphlett. 2,484,710, Oct. 11.
- Undergarment, Detachable crotch. G. L. Diebold. 2,464,121, Mar. 8.
- Undergarment for men. D. W. Murphy. 2,473,692, June 21.
- Undergarment, Lady's. J. A. Cohen. 2,492,620, Dec. 27.
- Undergarment, Men's. F. Chatfield. 2,491,250, Dec. 13.
- Undergarment, Woman's sanitary. J. L. Jurin. 2,458,273, Jan. 4.
- Undergrate air admission means for lateral feed solid fuel stokers. R. D. Touton. 2,483,946, Oct. 4.
- Under pick motion for looms. R. Hrdina. 2,481,425, Sept. 6.
- Underply turnup and overply turndown device. F. J. Shook, J. W. White and E. E. Mallory. 2,488,340, Nov. 15.
- Under-the-counter rack. R. L. Linquist. 2,488,062, Nov. 15.
- Underwear. J. A. Schoendorf. 2,486,499, Nov. 1.
- Unidirectional flow gear pump. G. F. Bunte. 2,458,678, Jan. 11.
- Union for cooling systems, Detachable. D. Andrews. 2,475,468, July 5.
- Unipod for optical instruments. O. Buchner. 2,460,568, Feb. 1.
- Unit and system, Heater. E. B. Barnes. 2,473,562, June 21.
- Unit closure, Electrical. G. W. Carpenter. 2,464,022, Mar. 8.
- Unit dispensing packages, Making. G. W. Wallace and J. W. Trew. 2,468,695, Apr. 26.
- Unit, Diving. J. Y. Cousteau and E. Gagnan. 2,485,039, Oct. 18.
- Unit, Engine-generator. L. W. Melcher. 2,482,924, Sept. 27.
- Unit for coffee makers, Filter. A. J. Peterson. 2,475,986, July 12.
- Unit for colning presses, Conversion. W. P. Kruse and J. W. Steel. 2,470,102, May 17.
- Unit for conventional fishing lures or bait, Illuminating. T. K. Long. 2,458,611, Jan. 11.
- Unit for crutches, Shock relief. M. Shellhouse and C. E. Cleaver. 2,478,667, Aug. 9.
- Unit for electrical wiring systems, Feed section. J. F. O'Brien. 2,478,204, Aug. 9.
- Unit for flywheel magnetos, Stator. A. L. Brownlee. 2,470,467, May 17.
- Unit for hanging and protecting a garment. C. E. Prahman. 2,473,902, June 21.
- Unit for punch presses, Retainer-stripper. J. H. Parsons. 2,468,998, May 3.
- Unit for textile machines, Feed roll. A. E. Winslow. 2,481,185, Sept. 6.
- Unit for wall coverings, Clapboard. C. M. Kinghorn. 2,477,987, Aug. 2.
- Unit forming machine, Leaded slat. W. H. Wilcox. 2,492,250, Dec. 27.
- Unit ignition system. H. E. Peters. 2,478,128, Aug. 2.
- Unit, Speed selection. R. E. McKelvey. 2,473,963, June 21.
- Unit strip assemblies, Manufacture of. A. L. Erickson. 2,482,613, Sept. 20.
- Unit strip assembly. A. L. Erickson. 2,471,145, May 24.
- Unit type airplane heater. F. O. Hess, L. F. Miller, and K. L. Dietrich, Jr. 2,473,372, June 14.
- Unit, Wall facing. P. J. Maul. 2,483,348, Sept. 27.
- Unit water heater. E. S. Bagley. 2,473,560, June 21.
- Unit, Water purification. G. M. Booth. 2,473,986, June 21.
- Unitary articles from laminations, Making. S. De Domenico. 2,479,325, Aug. 16.
- Unitary chalk and eraser holder. P. R. Windhorst. 2,469,347, May 3.
- Unitary range, azimuth, and elevation alignment indicator for radar systems. K. L. King and W. T. Wintringham. 2,467,319, Apr. 12.
- Unitary tumbler cylinder lock. G. E. Swanson. 2,460,551, Feb. 1.
- Universal attachment stand. H. E. and J. C. Geizer, Jr. 2,460,880, Feb. 8.
- Universal coupling. O. L. Ashton. 2,476,473, July 19.
- Universal coupling. W. Earl. 2,491,364, Dec. 13.
- Universal coupling. J. C. Smiley, Jr. 2,487,485, Nov. 8.
- Universal electrical connector. J. Ostrak. 2,490,316, Dec. 6.
- Universal gauge holder. E. H. Rose. 2,462,003, Feb. 15.
- Universal joint. S. L. C. Coleman. 2,469,713, May 10.
- Universal joint. J. H. Hullinger. 2,474,529, June 28.
- Universal joint. A. Kost. 2,485,893, Oct. 25.
- Universal joint. I. Moore. 2,479,129, Aug. 16.
- Universal joint. G. B. Stillwagon, Jr. 2,473,618, June 21.
- Universal joint. P. M. Waite. 2,471,987, May 31.
- Universal joint. S. G. Wingquist. 2,462,700, Feb. 22.
- Universal reproducer head mounting. L. Thompson. 2,464,064, Mar. 8.
- Universal woodworking machine table. H. L. Trebert, Jr. 2,471,014, May 24.
- Unloader and motor drive unit therefor, Wagon. R. J. McCall. 2,488,217, Nov. 15.
- Unloader, Compressor. W. P. Caine. 2,469,224, May 3.
- Unloader, Compressor. E. F. Schweller. 2,488,942, Nov. 22.
- Unloader, Crate. P. E. Fischer. 2,466,693, Apr. 12.
- Unloader for reciprocating gas compressors. W. E. Dodson. 2,458,933, Jan. 11.
- Unloader, Refrigeration compressor starting. J. M. Murphy. 2,458,018, Jan. 4.
- Unloader valve. J. Mercier. 2,487,575, Nov. 8.
- Unloading and conveying mechanism for trucks, Material. J. W. Davis. 2,484,689, Oct. 11.
- Unloading mechanism for trailer wagons. J. E. Hybbert. 2,478,583, Aug. 9.
- Unloading valve. B. N. Ashton. 2,474,772, June 28.
- Unloading valve. E. J. Carleton. 2,490,510, Dec. 6.
- Unloading valve. R. G. Holt. 2,479,359, Aug. 16.
- Unreeling device. H. W. Moore. 2,487,889, Nov. 15.
- Unsaturated ethers, Preparation of. W. F. Gresham. 2,479,068, Aug. 16.
- Unsaturated halogen-containing nitro compounds and their production. E. C. Kooijman and J. Overhoff. 2,473,341, June 14.
- Unsaturated organic compounds, Production of. A. B. Boese, Jr. 2,484,067, Oct. 11.
- Unsaturated polymerizable liquid esters and making same. J. B. Rust and W. B. Canfield. 2,478,015, Aug. 2.
- Unsaturated products, Producing. I. M. Colbeth. 2,469,370, May 10.
- Unshoring device, Centrifugal. L. R. Hafstad and W. J. Flett. 2,458,470, Jan. 4.
- Unsymmetrical cyanines. D. W. Stammers. 2,464,537, Mar. 15.
- Unsymmetrical rectangular wave generator. L. L. Lakatos. 2,486,789, Nov. 1.
- Unwind reel control. M. Michel. 2,485,757, Oct. 25.
- Upgrading of naphtha. A. B. Welty, Jr. 2,490,287, Dec. 6.
- Up-twister. R. Bouvet. 2,461,586, Feb. 15.
- Upholstery. A. Kremer and M. Rachlis. 2,477,697, Aug. 2.
- Upholstery pad. H. M. Gaarder and R. E. Cooper. 2,476,855, July 19.
- Upholstery pad. L. Gordon and L. L. Williams. 2,458,588, Jan. 11.
- Upholstery, Removable furniture. E. S. Winberg. 2,490,763, Dec. 6.
- Uranium and vanadium from ores, Recovery of. A. Pacyna. 2,485,841, Oct. 25.
- Uranium tetrabromide, Producing. J. M. Carter. 2,469,916, May 10.
- Uranium trioxide, Preparing. S. M. Fried and N. R. Davidson. 2,477,924, Aug. 2.
- Urea derivatives and making same. R. Sallmann. 2,487,382-3, Nov. 8.
- Urea-formaldehyde composition, Thermosetting. D. E. Cordier. 2,469,157, May 3.
- Urea-formaldehyde compositions. H. M. Kvalnes and F. S. Chance. 2,485,203, Oct. 18.
- Urea-formaldehyde compositions, Liquid. H. M. Kvalnes. Re. 23,174, Nov. 29.
- Urea-formaldehyde condensates having detergent properties. L. H. Bock and J. L. Rainey. 2,486,459, Nov. 1.
- Urea-formaldehyde-furfuryl alcohol resins. R. F. Stierli. 2,487,394, Nov. 8.
- Urea formaldehyde type of molding compounds and producing same. E. Glycofrides. 2,470,393, May 17.
- Urea-or melamine-formaldehyde resin plasticized with polyacrylonitrile. N. D. Hanson. 2,463,032, Mar. 1.
- Urea-(stibanic acid) reaction products, Preparing. W. G. Christiansen and L. W. Green. 2,488,268, Nov. 15.
- Ureas, Production of. V. E. Haury. 2,477,872, Aug. 2.
- Urinal, Portable. L. P. and H. W. Ribeiro. 2,484,356, Oct. 11.
- Urinary apparatus. J. H. Kent. 2,476,375, July 19.
- Urine drain. C. H. Kinyon. 2,490,969, Dec. 13.

- Urn. Multiple drip coffee. L. A. Scherck. 2,491,336, Dec. 13.
- Use of boron oxide in producing quartz coatings in a vacuum. A. R. Weinrich. 2,463,837, Mar. 8.
- Use of phosphorous oxides in producing quartz coatings in a vacuum. W. L. Morgan. 2,463,792, Mar. 8.
- Utensil, Combination table. A. G. McNeill. 2,473,288, June 14.
- Utensil, Compartmented culinary. E. M. Christensen. 2,462,362, Feb. 22.
- Utensil, Cooking. N. M. Samuel. 2,484,963, Oct. 18.
- Utensil, Cooking. J. S. Vanick and E. J. Bothwell. 2,489,471, Nov. 29.
- Utensil, Culinary. O. M. Gross. 2,462,956, Mar. 1.
- Utensil, Culinary. W. C. P. Zabel, and R. C. Helfenbein. 2,474,451, June 28.
- Utensil, Ice disintegrating. F. W. Earnest, Jr. 2,474,100, June 21.
- Utensil, Vacuum type coffee-making. S. Battilani. 2,462,349, Feb. 22.
- Utensils, Producing clad metal cooking. H. D. Tietz. 2,471,663, May 31.
- Uterine cannula, Self-retaining. E. Kahn. 2,482,622, Sept. 20.
- Utility cover. G. Wormull. 2,461,247, Feb. 8.
- Utility electric lamp. J. F. Gulyban. 2,467,207, Apr. 12.
- Utility garment hanger. H. G. Alfors. 2,459,909, Jan. 25.
- Utility handling book. C. M. and B. C. Millican. 2,488,312, Nov. 15.
- Utility holder. P. R. Gruber. 2,488,664, Nov. 22.
- Utility machine, Power-operated portable general. H. S. Harvey. 2,473,883, June 21.
- Utility shelf, Filing cabinet. W. C. Mitchell. 2,486,966, Nov. 1.
- Utility stand. B. H. Kennedy. 2,469,232, May 3.
- Utilization of citrus and pineapple products in making resin compositions. O. W. Schroeder. 2,479,270, Aug. 16.
- Utilization of gas flow. G. Monnet. 2,486,429, Nov. 1.
- Utilization of leather waste. M. Abrahams. 2,464,282, Mar. 15.
- Utilization of metal halide-hydrocarbon sludge. J. W. Latchum, Jr. 2,486,485, Nov. 1.
- Utilization of waste wax paper. L. R. Sherman and W. R. Benson. 2,488,515, Nov. 15.
- Utilizing microwave radiation from the sun, System for and method of. G. C. Southworth. 2,458,654, Jan. 11.
- Utilizing the dust from cement kilns. H. W. Mooser. 2,477,262, July 26.
- V-belt fastener. H. J. Beach. 2,490,195, Dec. 6.
- V-belt tensioning clamp. F. F. Ranville. 2,459,393, Jan. 18.
- V disk. F. Pacheco, Jr. 2,477,001, July 26.
- Vacuum apparatus for impregnating floors. L. M. Applegate. 2,474,567, June 28.
- Vacuum blow head. O. H. Samuelson. 2,467,000, Apr. 12.
- Vacuum breaker. W. A. Lebus. 2,487,454, Nov. 8.
- Vacuum breaking and dump valve. D. M. Anderson. 2,472,933, June 14.
- Vacuum chamber evacuation. H. L. Smith, Jr. 2,460,197, Jan. 25.
- Vacuum cleaner. G. M. Kelly. 2,464,401, Mar. 15.
- Vacuum cleaner. G. E. Lofgren. 2,488,300, Nov. 15.
- Vacuum cleaner. C. Miller. 2,473,066, June 14.
- Vacuum cleaner converter arrangement. P. T. Hahn. 2,482,337, Sept. 20.
- Vacuum cleaner having automatic nozzle adjustment means, Household. C. H. Sparklin. Re. 23,152, Sept. 27.
- Vacuum cleaner support. J. W. Sheker. 2,467,997, Apr. 19.
- Vacuum cup holding device. B. Stiller. 2,466,502, Apr. 5.
- Vacuum dehydration. K. C. D. Hickman. 2,471,325, May 24.
- Vacuum distillation of trimethylamine from dimethylamine. D. F. Babcock. 2,461,191, Feb. 8.
- Vacuum gauge. D. H. Clewell and D. C. Pfeiffer. 2,460,873, Feb. 8.
- Vacuum pump. C. M. Van Atta. 2,492,075, Dec. 20.
- Vacuum pump. C. Freyn. 2,463,458, Mar. 1.
- Vacuum pump. K. C. D. Hickman. 2,465,590, Mar. 29.
- Vacuum pump. D. F. Wilcock and E. G. Chace. 2,469,889, May 10.
- Vacuum regulator. T. J. Sullivan. 2,461,666, Feb. 15.
- Vacuum sealed-relay. Electromagnetically operated. K. R. Vale and J. E. Benson. 2,485,024, Oct. 18.
- Vacuum system for windshield wipers and crankcase ventilators. E. S. Witchger. 2,484,139, Oct. 11.
- Vacuum trap. J. A. Hippie, Jr. 2,465,229, Mar. 22.
- Vacuum tube. P. G. Chevigny and C. M. Wheeler. 2,459,791, Jan. 25.
- Vacuum tube. P. Welch. 2,490,110, Dec. 6.
- Vacuum tube comparison test method and system. J. J. De Muth. 2,478,750, Aug. 9.
- Vacuum valve. C. B. Petry. 2,463,052, Mar. 1.
- Valve: See—Continued.
- Balanced fluid motor valve.
- Balancing valve.
- Ball type pressure relief valve.
- Bleed valve.
- Brake valve.
- Butterfly valve.
- Centrifugal separator bowl valve.
- Check valve.
- Combined line and check valve.
- Combined shutoff and metering valve.
- Control valve.
- Coolant relief valve.
- Crankcase ventilator valve.
- Cylinder back pressure valve.
- Cylinder filling and dispensing valve.
- Deluge valve.
- Diaphragm valve.
- Differential anesthesia valve.
- Distributing valve.
- Drain valve.
- Dual check valve.
- Dual safety valve.
- Duplex valve.
- Ear protector valve.
- Electronic valve.
- Excess flow valve.
- Exhaust valve.
- Expansion valve.
- Faucet mixing valve.
- Filler valve.
- Filling and vent valve.
- Flapper valve.
- Flexible nozzle operated dispensing valve.
- Flexible seal check valve.
- Float valve.
- Flow-actuated valve.
- Flow diversion valve.
- Flow regulating valve.
- Fluid actuated valve.
- Fluid control and metering valve.
- Fluid control valve.
- Fluid pressure operated gate valve.
- Fluid pressure operated valve.
- Fluid pressure valve.
- Fluid pump automatic air bleed valve.
- Fluid valve.
- Flush valve.
- Four-way valve.
- Gate valve.
- Hose connector and valve.
- Hose coupling valve.
- Hot water automatic vent valve.
- Hydraulic control valve.
- Hydraulic flow valve.
- Hydraulic fuse valve.
- Hydraulic operating valve.
- Hydraulic valve.
- Hydraulically operated brake valve.
- Intermittent flush valve.
- Isobaric control valve.
- Lavatory flush valve.
- Life preserver valve.
- Liquid mixing valve.
- Meter controlled valve.
- Mixing valve.
- Motor operated valve.
- Multiple check valve.
- Multiple valve.
- Multway liquid valve.
- Noncorrodible valve.
- Oxygen valve.
- Periodic rotary metering and distributing valve.
- Pilot operated servo valve.
- Pilot or master valve.
- Pilot valve.
- Pipe-line valve.
- Plug cock valve.
- Plug valve.
- Pneumatic ticket receiving valve.
- Pop-up waste valve.
- Power-operated gate valve.
- Preferential operating valve.
- Pressure controlled injection valve.
- Pressure controlled liquid outlet valve.
- Pressure reducing valve.
- Pressure regulating valve.
- Pressure relief valve.
- Pressure responsive selector valve.
- Proportioning valve.
- Quick dumping valve.
- Rebreather valve.
- Reciprocable valve.
- Reciprocating valve.
- Reflex cooled exhaust valve.
- Refrigerant expansion valve.
- Refrigeration expansion valve.
- Relief valve.
- Remote control valve.
- Rotary ball valve.
- Rotary follow valve.
- Rotary plug valve.
- Rotary selector valve.
- Safety and relief valve.
- Safety auxiliary application valve.
- Safety valve.
- Selective fluid valve.
- Self-aligning poppet valve.
- Shutoff valve.
- Slide valve.
- Solenoid actuated valve.
- Speed controlled centrifugal valve.
- Speed responsive valve.
- Spill valve.
- Stemless valve.
- Suction throttling valve.
- Tank ball valve.
- Tank-filling valve.
- Thermionic valve.
- Thermostatic control valve.
- Thermostatic expansion valve.
- Thermostatic radiator valve.
- Thermostatic valve.
- Thermostatically controlled valve.
- Thermostatically responsive valve.
- Throttling valve.
- Through conduit gate valve.
- Tire relief valve.
- Toilet flush tank valve.
- Trough or tank water level valve.
- Unloader valve.
- Unloading valve.
- Vacuum breaking and dump valve.
- Vacuum valve.
- Vented cooker valve.
- Weighted relief valve.
- Valve. D. S. Ashley and W. H. Weaver. 2,460,270, Feb. 1.
- Valve. H. B. Babson. 2,464,917, Mar. 22.
- Valve. H. P. Birkemeier. 2,464,482, Mar. 15.
- Valve. K. C. Bugg. 2,479,554, Aug. 23.
- Valve. H. D. Carr. 2,477,237, July 26.
- Valve. E. E. Cater. 2,483,572, Oct. 4.
- Valve. R. B. Clar. 2,483,312, Sept. 27.
- Valve. J. L. Cooney. 2,481,293, Sept. 6.
- Valve. L. B. Courtot. 2,492,917, Dec. 27.
- Valve. S. H. Edwards. 2,476,711, July 19.
- Valve. F. J. Eichelman. 2,486,011, Oct. 25.
- Valve. G. W. Franzheim. 2,484,940, Oct. 18.
- Valve. B. S. Funk. 2,490,043, Dec. 6.
- Valve. J. W. Garrison. 2,491,104, Dec. 13.
- Valve. J. Grebmeier. 2,466,098, Apr. 5.
- Valve. J. J. Harper. 2,481,214, Sept. 6.
- Valve. W. C. Hein and L. W. Winchester. 2,465,018, Mar. 22.
- Adjustable by-pass check valve.
- Air duct moisture relief valve.
- Air valve.
- Antisiphon valve.
- Automatic inverse modulation valve.
- Automatic shutoff valve.
- Back siphonage prevention, antbackflow, and vacuum breaking valve.

- Valve. F. Hinrichs. 2,483,581, Oct. 4.
 Valve. G. F. Hoge. 2,469,921, May 10.
 Valve. G. Holtz. 2,477,127, July 26.
 Valve. O. Jacobsen. 2,467,313, Apr. 12.
 Valve. J. Jerome. 2,486,164, Oct. 25.
 Valve. F. E. Killner. 2,473,591, June 21.
 Valve. L. D. Kleiss. 2,478,197, Aug. 9.
 Valve. C. T. Lane. 2,464,242, Mar. 15.
 Valve. C. E. Laue. 2,474,430, June 28.
 Valve. J. Le Valley. 2,484,628, Oct. 11.
 Valve. K. MacDonald. 2,471,880, May 31.
 Valve. J. O. Moorhead. 2,481,940, Sept. 13.
 Valve. C. H. Nordell. 2,467,150, Apr. 12.
 Valve. D. Y. Rice. 2,471,285, May 24.
 Valve. H. B. Schultz. 2,470,746, May 17.
 Valve. A. C. Scinta. 2,458,211, Jan. 4.
 Valve. F. E. Sette. 2,462,291, Feb. 22.
 Valve. W. J. Shields. 2,486,215, Oct. 25.
 Valve. J. P. Strange and W. P. Yant. 2,473,078, June 14.
 Valve. W. D. Teague, Jr. 2,473,620, June 21.
 Valve. W. D. Teague, Jr. 2,488,647, Nov. 22.
 Valve. W. C. Trautman. 2,460,774, Feb. 1.
 Valve. W. R. Tucker. 2,484,916, Oct. 18.
 Valve. W. J. Wildern. 2,468,281, Apr. 26.
 Valve. W. J. Wildern. 2,491,239, Dec. 13.
 Valve. H. Wirz. 2,478,350, Aug. 9.
 Valve actuating means. W. L. Parker. 2,462,544, Feb. 22.
 Valve actuating mechanism. C. R. Crane, II, and A. Mueller. 2,473,013, June 14.
 Valve actuating mechanism. L. W. Songer. 2,490,555, Dec. 6.
 Valve actuating mechanism, Hydraulic. A. Mueller. 2,471,885, May 31.
 Valve actuation and control, Plural. E. Pick. Re. 23,076, Jan. 11.
 Valve adjustment apparatus. T. J. Hoy. 2,490,811, Dec. 13.
 Valve and actuating mechanism for fluid motors. J. E. Elkington. 2,486,707, Nov. 1.
 Valve and assembly including same, Automatic follow-up reversible hydraulic selector. J. F. Spielman. 2,462,915, Mar. 1.
 Valve and control, Mixer. L. A. Kempton. 2,489,896, Nov. 29.
 Valve and coupling, Combined. A. T. Scheiwer. 2,473,223, June 14.
 Valve and hydraulic power device embodying such valves, Hydraulic. C. D. Watson. 2,462,580, Feb. 22.
 Valve and liner therefor. G. T. Downey. 2,471,941, May 31.
 Valve and packing therefor, Multiple. J. Roberts. 2,482,873, Sept. 27.
 Valve and remote-control system, Fluid. H. N. Rider. 2,471,241, May 24.
 Valve and screen. F. Sonntag. 2,465,404, Mar. 29.
 Valve and strainer unit. M. Hovanian. 2,464,579, Mar. 15.
 Valve and switch for hydraulic brakes, Automatic. W. Boler. 2,474,929, July 5.
 Valve and system for evaporative coolers, Water control. A. S. Feinberg. 2,486,138, Oct. 25.
 Valve apparatus. J. T. Leonard. 2,468,674, Apr. 26.
 Valve apparatus for electrotherapy, Electronic. P. D. Bernard. 2,465,838, Mar. 29.
 Valve arrangement, Multiple. G. A. Goepfrich. 2,492,628, Dec. 27.
 Valve assembly. G. A. Humason. 2,466,313, Apr. 5.
 Valve assembly. L. A. Majneri. 2,476,378, July 19.
 Valve assembly. A. J. Penick. 2,488,932, Nov. 22.
 Valve assembly. E. D. Williams. 2,481,460, Sept. 6.
 Valve assembly, Combination balanced shutoff and throttling. W. N. Matson, and S. Jacobs. 2,471,160, May 24.
 Valve assembly for plural motor operation. R. R. Crookston. 2,489,450, Nov. 29.
 Valve assembly, Pressure-regulating. E. F. Loweke. 2,476,054, July 12.
 Valve assembly, Radiator. A. G. Joos. 2,473,148, June 14.
 Valve bag. J. Johnsson. 2,490,966, Dec. 13.
 Valve bag. H. E. Lee. 2,478,113, Aug. 2.
 Valve bags, Forming. W. E. Sharkey. 2,488,038, Nov. 15.
 Valve circuits, Thermionic. B. M. Hadfield. 2,467,474, Apr. 19.
 Valve clearance gauge. C. E. Hall. 2,471,106, May 24.
 Valve connector. C. W. Hoffman and T. A. St. Clair. 2,463,175, Mar. 1.
 Valve construction. T. E. Gannon. 2,485,092, Oct. 18.
 Valve construction. J. D. Langdon. 2,476,310, July 19.
 Valve construction. R. Lewton. 2,472,840, June 14.
 Valve construction. S. A. Ochs. 2,472,841, June 14.
 Valve construction. J. W. Thomas, Sr. 2,491,429, Dec. 13.
 Valve construction for grounded aviation trainers. S. A. Douglas. 2,469,918, May 10.
 Valve construction, Pressure relief. L. J. Kmiecik. 2,490,219, Dec. 6.
 Valve control apparatus. M. R. Laing. 2,461,608, Feb. 15.
 Valve control, Auxiliary throttle. P. L. Howland. 2,471,690, May 31.
 Valve control, Two-cycle engine, crankcase compression. D. L. McCoy. 2,489,150, Nov. 22.
 Valve coupling. J. van Schuyver. 2,459,477, Jan. 18.
 Valve cutting tool. W. A. Harris, Sr. 2,466,233, Apr. 5.
 Valve device. J. S. Case. 2,468,960, May 3.
 Valve device, Air compressor. T. E. Crockett. 2,486,124, Oct. 25.
 Valve device, Electric. H. Keller, H. Blatter, and W. Imobersteg. 2,478,764, Aug. 9.
 Valve device for fluid operated brakes, Holding. C. M. Jameson. 2,486,289, Oct. 25.
 Valve device for liquid heaters. D. Peccinetti. 2,475,249, July 5.
 Valve device, Protection. E. G. Erson. 2,464,968, Mar. 22.
 Valve diaphragm assembly, Outlet. D. P. Smith. 2,466,127, Apr. 5.
 Valve for accordions and like musical instruments, Double. R. Seybold. 2,458,653, Jan. 11.
 Valve for automatic sprinkler systems. B. E. Gathercoal. 2,475,489, July 5.
 Valve for braking systems, Parking. L. A. Majneri. 2,487,716, Nov. 8.
 Valve for container filling machines, Filler. J. Kantor and E. Marovitz. 2,461,326, Feb. 8.
 Valve for cookers, Safety. R. J. Ingham, Jr. 2,479,620, Aug. 23.
 Valve for dispensers. D. Trompeter. 2,481,262, Sept. 6.
 Valve for double-acting hydraulic systems, Control. W. T. Stephens. 2,477,669, Aug. 2.
 Valve for expandable chamber meters, Compound motion distributing. D. S. Willson. 2,462,044, Feb. 15.
 Valve for expandable chamber meters, Sliding reciprocating. E. R. Gilmore. 2,464,499, Mar. 15.
 Valve for fire extinguishers, Discharge. N. H. Siebens. 2,464,268, Mar. 15.
 Valve for fluid pressure operated devices, Automatic shutoff. H. B. Carbon. 2,466,375, Apr. 5.
 Valve for fluid pressure systems, Compensating. E. H. Johnson. 2,458,386, Jan. 4.
 Valve for fluids, Control. G. J. Koehler. 2,477,186, July 26.
 Valve for fuel systems, Float. D. Samiran. 2,491,521, Dec. 20.
 Valve for gas ducts. E. W. Pottmeyer. 2,467,945, Apr. 19.
 Valve for heating systems, Air relief. F. C. Risselt. 2,459,241, Jan. 18.
 Valve for hydraulic pumps, Unloading. J. M. and F. H. Towler. 2,478,213, Aug. 9.
 Valve for hydraulic systems, Relief. H. E. and M. W. Huber. 2,473,953, June 21.
 Valve for hydraulic transmission systems, Automatic shutoff. R. B. Sprague and S. G. Nevius. 2,478,210, Aug. 9.
 Valve for hydraulic units. E. Orshansky, Jr. 2,475,458, July 5.
 Valve for inflatable objects. G. E. Gott. 2,466,986, Apr. 12.
 Valve for internal-combustion engines, Rotary. R. H. Hasler and H. P. Stevens. 2,459,936, Jan. 25.
 Valve for laundry tubes, Drain. G. W. Ellwanger and G. T. Layton. 2,488,008, Nov. 15.
 Valve for low temperature, Nonreturn. W. L. De Baufre. 2,486,825, Nov. 1.
 Valve for multicell inner tubes. L. E. Bonham. 2,468,954, May 3.
 Valve for musical instruments, Drainage. P. J. De Rubeis. 2,482,903, Sept. 27.
 Valve for oil temperature control units. W. Worth. 2,458,547, Jan. 11.
 Valve for overflow system. E. H. Herbert. 2,459,527, Jan. 18.
 Valve for pressure treating chambers. F. L. Botelho. 2,492,460, Dec. 27.
 Valve for reciprocating expandable-chamber engines, Distribution and by-pass. J. W. Marsh. 2,464,330, Mar. 15.
 Valve for screw conveyers, Discharge. F. H. Eland. 2,475,018, July 5.
 Valve for surface-coating mops, Dispensing. S. Schulman. 2,489,162, Nov. 22.
 Valve for thermal systems. O. O. Oaks. 2,462,217, Feb. 22.
 Valve for watering troughs. W. R. Tippet. 2,469,617, May 10.
 Valve for windshield cleaners. W. C. Hess. 2,462,189, Feb. 22.
 Valve gauge. N. O. Weeks. 2,474,294, June 28.
 Valve gear for the distribution valves of steam locomotives. R. W. Clifford. 2,466,303, Apr. 5.
 Valve having accessible pressure equalizing means, Mixing. J. Fraser. 2,470,025, May 10.
 Valve head. E. C. Williams. 2,487,958, Nov. 15.
 Valve head for by-pass packers. H. E. Lynn. 2,491,122, Dec. 13.
 Valve head, Spring floated. G. J. Henry. 2,470,700, May 17.
 Valve-keeper remover and retriever, Electromagnetic. G. Scripture. 2,469,056, May 3.
 Valve lifter. S. M. Jones and L. P. Reichard. 2,491,738, Dec. 20.
 Valve manifold for gasoline tank trucks and the like, Selective. W. F. Berck. 2,463,737, Mar. 8.
 Valve means. G. E. Franck. 2,460,633, Feb. 1.
 Valve means, Electrically controlled. E. A. Rockwell. 2,473,038, June 14.
 Valve mechanism. H. D. Clemmons. 2,470,213, May 17.

- Valve mechanism. J. C. Curtis and E. G. Gartin. 2,461,529, Feb. 15.
- Valve mechanism. H. A. Meinecke. 2,484,109, Oct. 11.
- Valve mechanism. F. J. Muñich and H. S. Ross. 2,462,989, Mar. 1.
- Valve mechanism. D. D. Paxton. 2,470,368, May 17.
- Valve mechanism. W. M. Scott, Jr. 2,460,908, Feb. 8.
- Valve mechanism and control means. L. R. Titcomb. 2,463,921, Mar. 8.
- Valve mechanism, Can tester. E. Laxo. 2,482,677, Sept. 20.
- Valve mechanism, Fluid control. H. C. MacConnell, Jr. 2,470,566, May 17.
- Valve mechanism, Fluid pressure relay. N. G. Kershaw. 2,473,687, June 21.
- Valve mechanism, Flush. C. S. Garratt, Jr. 2,482,970, Sept. 27.
- Valve mechanism for a hydraulic power unit. G. T. Baker. 2,459,613, Jan. 18.
- Valve mechanism for fluid motors, Control. C. E. Adams. 2,488,109, Nov. 15.
- Valve mechanism for heat-exchange devices, Temperature-regulating. J. C. Shaw. 2,469,212, May 3.
- Valve mechanism for steam locomotives. R. R. Royal and W. E. Bell. 2,467,593, Apr. 19.
- Valve mechanism, Pressure responsive. A. H. Winkler. 2,469,038, May 3.
- Valve mechanism, Safety. T. F. Van Denberg and J. Selby. 2,481,265, Sept. 6.
- Valve mechanism, Snap action. W. Hungate. 2,488,125, Nov. 15.
- Valve mechanism, Temperature-regulating. J. C. Shaw. 2,480,676, Aug. 30.
- Valve mechanism with associated turbocharger, Inlet and exhaust. K. V. Anderson. 2,471,509, May 31.
- Valve of water gas generators and the like, Stack. F. A. MacGregor. 2,474,111, June 21.
- Valve operating mechanism. H. B. Carbon. 2,470,470, May 17.
- Valve position indicator. R. R. P. Turner. 2,485,942, Oct. 25.
- Valve puller. F. A. Maris. 2,467,982, Apr. 19.
- Valve release mechanism, Airplane tire. W. K. Seitz. 2,470,873, May 24.
- Valve reseating tool. O. F. Stetzel. 2,480,058, Aug. 23.
- Valve seat. J. Le Valley. 2,484,102, Oct. 11.
- Valve seat grinding means. R. S. Beverlin. 2,466,359, Apr. 5.
- Valve seat structure. H. P. Junkin. 2,486,654, Nov. 1.
- Valve stem puller. F. D. Webster. 2,486,034, Oct. 25.
- Valve stop. J. P. Johnson. 2,475,840, July 12.
- Valve structure. H. C. Cuskie. 2,481,088, Sept. 6.
- Valve structure. J. W. Marsh. 2,470,641, May 10.
- Valve structure. J. F. Melichar. 2,482,198, Sept. 20.
- Valve structure. W. A. Ray. 2,465,036, Mar. 22.
- Valve structure for aerating bottles or the like. W. B. Kochner. 2,484,232, Oct. 11.
- Valve structure manipulatable for controlling delivery of fluid at selective pressures. C. W. Mott. 2,478,002, Aug. 2.
- Valve structure, Pilot. O. C. Martin. 2,467,533, Apr. 19.
- Valve structure, Two-level float. J. L. Breese and B. Hayter. 2,470,684, May 17.
- Valve system, Drainage. G. T. Brown. 2,485,232, Oct. 18.
- Valve system for hydraulic press circuits. R. K. Sedgwick. 2,462,815, Feb. 22.
- Valve with dual control. J. E. Dube and G. D. Bower. 2,484,156, Oct. 11.
- Valve with grid mounted on divided anode insulator, Electric. O. K. Marti and E. B. Steinberg. 2,459,828, Jan. 25.
- Valve with vitreous enamel seals, Electric. O. K. Marti. 2,459,827, Jan. 25.
- Valved bubble tube. R. A. Smith. 2,481,358, Sept. 6.
- Valved tank. C. S. Brown. 2,479,997, Aug. 23.
- Valves. H. B. Schultz. 2,466,485, Apr. 5.
- Valves, Making hollow poppet. A. T. Colwell. 2,471,937, May 31.
- Valves, Making poppet. A. T. Colwell. 2,471,936, May 31.
- Valves, Making poppet. E. F. Gibian and K. M. Bartlett. 2,471,948, May 31.
- Valves, Method and apparatus for lapping. G. F. Scherer. 2,460,312, Feb. 1.
- Vanadium-bearing ores, Treatment of. R. Asak. 2,482,311, Sept. 20.
- Vanadium concentrate, Recovery of. F. P. Kerschbaum and H. T. Stowell. 2,467,039, Apr. 12.
- Vanillic acid, Preparing. I. A. Pearl. 2,483,559, Oct. 4.
- Vanillic acid, Production of. I. A. Pearl. 2,458,295, Jan. 4.
- Vanity case. J. C. Miller. 2,479,854, Aug. 23.
- Vanity combination, Ladies'. C. R. Velez. 2,465,946, Mar. 29.
- Vapor-compression distillation. G. P. Lunt. 2,487,884, Nov. 15.
- Vapor discharging frying pan cover. C. W. Mayne. 2,488,215, Nov. 15.
- Vapor electric device. W. E. Pakala. 2,459,582, Jan. 18.
- Vapor electric device. W. E. Pakala. 2,467,772, Apr. 19.
- Vapor-electric device. W. E. Pakala. 2,490,087, Dec. 6.
- Vapor electric device with cooling coil serving as heating resistor. H. Winograd. 2,459,057, Jan. 11.
- Vapor expelling pump. R. R. Curtis. 2,463,251, Mar. 1.
- Vapor generation and puffing with audible effects in toys. W. R. Smith. 2,461,664, Feb. 15.
- Vapor outlet for truck tanks. L. J. White. 2,460,159, Jan. 25.
- Vapor phase isomerization of 1,4-dicyano-2-butene to 1,4-dicyano-1-butene. M. W. Farlow. 2,478,258, Aug. 9.
- Vapor recovery system for airplane fuel tanks. A. J. Savard. 2,472,622, June 7.
- Vaporization of liquid by above-liquid electrodes, Electrical. G. W. Watson. 2,488,787, Nov. 22.
- Vaporizer. F. S. Abbott. 2,474,565, June 28.
- Vaporizer. P. H. Lienert. 2,469,656, May 10.
- Vaporizer, Carbon dioxide. G. A. Petroe. 2,481,478, Sept. 6.
- Vaporizer, Degreasing. R. F. Becker. 2,483,993, Oct. 4.
- Vaporizer device. G. L. Brewster. 2,468,164, Apr. 26.
- Vaporizer, Electric. S. Duberstein. 2,468,010, Apr. 19.
- Vaporizer, Electric. I. Pargman. 2,467,630, Apr. 19.
- Vaporizer, Electric. J. Robinson. 2,462,129, Feb. 22.
- Vaporizer for carburetion systems. R. L. McDonnell. 2,479,852, Aug. 23.
- Vaporizer, Gasoline conserving power increasing. J. C. and N. O. Wichmann. 2,477,708, Aug. 2.
- Vaporizer, Oil. J. Rosenblum. 2,483,937, Oct. 4.
- Vaporizing and combustion apparatus, Fuel. H. J. De N. McCollum. 2,492,756, Dec. 27.
- Vaporizing apparatus, Sulfur. W. T. Grace and J. C. Muller, Jr. 2,481,411, Sept. 6.
- Vaporizing coil type oil burner. P. Wollner. 2,467,450, Apr. 19.
- Vaporizing device. C. F. J. Dupuy. 2,481,296, Sept. 6.
- Vaporizing type oil burner. J. W. Miller and W. G. Smith. 2,470,570, May 17.
- Vaporizing unit for retort burners. B. W. Tullis. 2,463,830, Mar. 8.
- Variable capacity hydraulic pump. C. J. Christopher. 2,471,195, May 24.
- Variable capacity rotary pump. P. M. Diaz. 2,460,251, Jan. 25.
- Variable capacity sliding vane pump. H. A. Wrenn. 2,469,097, May 3.
- Variable capacity vane pump. T. J. Thatcher. 2,473,921, June 21.
- Variable delay means. B. M. Oliver. 2,478,778, Aug. 9.
- Variable delivery gear pump. R. M. Conklin. 2,481,646, Sept. 13.
- Variable delivery pump. D. J. Munroe and J. C. McAlvay. 2,459,388, Jan. 18.
- Variable delivery rotary pump. D. O. Brant. 2,468,734, May 3.
- Variable delivery rotary pump. J. W. F. Holl. Re. 23,086, Feb. 22.
- Variable displacement radial vane rotary motor. S. F. Czerner. 2,474,348, June 28.
- Variable displacement rotary pump. D. C. Clarke. 2,490,115, Dec. 6.
- Variable filter screen. L. R. Aparicio. 2,474,712, June 28.
- Variable firing rate oil pressure atomizing burner. J. A. Logan. 2,490,529, Dec. 6.
- Variable frequency magnetron circuit. E. Everhart. 2,472,200, June 7.
- Variable frequency oscillation generator. J. D. Woodward. 2,490,499, Dec. 6.
- Variable hydraulic pump or motor. J. E. Lundegard. 2,474,536, June 28.
- Variable impedance device. A. Herz. 2,471,817, May 31.
- Variable inductance. F. Wood. 2,462,822, Feb. 22.
- Variable inductance device. W. L. Atwood. 2,461,804, Feb. 15.
- Variable inductance device. L. D. Grignon and H. G. Wilkes. 2,463,170, Mar. 1.
- Variable inductance frequency modulation phonograph system. R. Boudreaux. 2,466,201, Apr. 5.
- Variable inductor. R. S. Curry, Jr. 2,466,690, Apr. 12.
- Variable limit switch. A. D. Hammes. 2,492,745, Dec. 27.
- Variable load brake. H. N. Sudduth. 2,458,965, Jan. 11.
- Variable pitch drive screw and tuning system. H. B. Stott. 2,485,464, Oct. 18.
- Variable predetermined number pulse generator. R. W. Carlson. 2,462,945, Mar. 1.
- Variable-rate electric meter. P. G. Whitmore. 2,469,673, May 10.
- Variable reluctance device. C. F. Coake. 2,466,382, Apr. 5.
- Variable resistance. B. J. Edwards and D. Jackson. 2,486,931, Nov. 1.
- Variable resistance unit. A. O. Beckman. 2,473,048, June 14.
- Variable-speed and torque drive. C. I. Place. 2,467,226, Apr. 12.
- Variable-speed apparatus. W. D. Shannon. 2,490,234, Dec. 6.
- Variable speed changing device. H. Svensson. 2,492,071, Dec. 20.
- Variable-speed drive. E. W. Vredenburg. 2,458,229, Jan. 4.
- Variable-speed gear. B. W. Barlow. 2,467,108, Apr. 12.
- Variable-speed gear. A. L. Catford. 2,483,180, Sept. 27.
- Variable-speed hand tool. C. D. Shrader. 2,477,528, July 26.

- Variable-speed mechanism. M. Romaine and E. D. Vancil. 2,484,910, Oct. 18.
- Variable stroke pump. W. C. Pike. 2,458,023, Jan. 4.
- Variable transconductance amplifying circuit. G. H. P. Alma. 2,490,569, Dec. 6.
- Variable transmission. C. W. Lozinski. 2,491,121, Dec. 13.
- Variable transmission means. E. Ronai. 2,480,968, Sept. 6.
- Variable voltage generator. F. D. Snyder. 2,467,784, Apr. 19.
- Variable wave generator. A. A. Mahren. 2,478,973, Aug. 16.
- Varying mechanism. S. Hinds. 2,472,478, June 7.
- Variator. H. N. Bliss. 2,476,275, July 19.
- Variometer, Modified. G. W. Fyler. 2,484,561, Oct. 11.
- Varnishing employing strippable protective coatings. R. W. White. 2,476,937, July 19.
- Varying the buoyancy of lighter-than-air craft. C. S. Hall. 2,466,421, Apr. 5.
- Varying the gap spacing of pole pieces for electron optical apparatus. J. H. Reisner. 2,472,815, June 7.
- Vase. W. E. Koerner. 2,482,273, Sept. 20.
- Vase structure, Cemetery. H. Meierjohan and E. Wengler. 2,488,924, Nov. 22.
- Vasodilator composition. G. A. Alles. 2,464,284, Mar. 15.
- Vat dyestuff derived from aminodibenzanthrone. W. Schmidt-Nickels. 2,481,449, Sept. 6.
- Vat dyestuffs, Purification of. M. Scalera. 2,483,238, Sept. 27.
- Vector solver. J. J. Reza. 2,471,450, May 31.
- Vegetable beverages, Clarifying and purifying. R. T. Alba and J. S. Wallerstein. 2,471,474, May 31.
- Vegetable cutter. H. J. Gardner. 2,484,281, Oct. 11.
- Vegetable meals, Treatment of oil-bearing. L. O. Buxton. 2,458,680, Jan. 11.
- Vegetable oils, Solvent extraction of. M. W. Pascal. 2,467,404, Apr. 19.
- Vegetable washer. M. Di Salino. 2,466,158, Apr. 5.
- Vegetables, Treatment of. G. C. Scott, and R. E. Oltman. 2,471,170, May 24.
- Vehicle: See—
- Air-conditioned vehicle. Hoisting and dumping vehicle.
 - Amphibious vehicle. Motor-driven toy vehicle.
 - Articulated railway vehicle. Motor propelled toy vehicle.
 - Articulated vehicle. Motor vehicle.
 - Automotive vehicle. Refuse collecting vehicle.
 - Baby vehicle. Self-loading garbage vehicle.
 - Child's vehicle. Self-loading vehicle.
 - Collapsible trailer vehicle. Self-propelled track-laying vehicle.
 - Combined road and rail vehicle. Self-unloading vehicle.
 - Convertible vehicle. Stroller-type vehicle.
 - Foldable vehicle. Tractor vehicle.
 - Frozen food vehicle. Water dispersible coating vehicle.
 - Golf bag vehicle.
 - Grain unloading and mixing vehicle.
- Vehicle. H. A. Liljenberg. 2,479,538, Aug. 16.
- Vehicle. F. D. Warburton. 2,464,952, Mar. 22.
- Vehicle. K. J. Watson. 2,459,478, Jan. 18.
- Vehicle anchoring means. G. A. Bryant. 2,464,021, Mar. 8.
- Vehicle antenna, Automotive. J. B. Cejka. 2,481,823, Sept. 13.
- Vehicle assembly, Rail car road. K. C. Gaynor. 2,489,024, Nov. 22.
- Vehicle attachment, Motor. D. L. Lawrence. 2,491,009, Dec. 13.
- Vehicle axle suspension. F. W. Avila. 2,461,867, Feb. 15.
- Vehicle axle suspension. F. W. Avila. 2,480,211, Aug. 30.
- Vehicle based arresting gear. A. B. Schultz. 2,474,125, June 21.
- Vehicle bed, Adjustable. E. Lisota. 2,485,300, Oct. 18.
- Vehicle bed assembly. E. Lisota. 2,466,452, Apr. 5.
- Vehicle body construction. L. B. Rivard and C. F. Dickason. 2,474,985, July 5.
- Vehicle body construction, Motor. A. Rappl. 2,464,609, Mar. 15.
- Vehicle body floor structure. J. W. Greig. 2,485,047, Oct. 18.
- Vehicle body, Self-unloading. F. B. Recker. 2,463,643, Mar. 8.
- Vehicle chocking device. A. T. Wright. 2,461,248, Feb. 8.
- Vehicle construction. K. E. Cook. 2,466,791, Apr. 12.
- Vehicle construction, Trailer. W. C. Anderson and E. W. Riemenschneider. 2,466,194, Apr. 5.
- Vehicle coupling. A. P. Balzer. 2,478,736, Aug. 9.
- Vehicle coupling or hitch structure, Weight transferring. L. R. Simmons. 2,459,098, Jan. 11.
- Vehicle drawbar lock. H. C. Riemann and J. R. Thorp. 2,478,709, Aug. 9.
- Vehicle for children, Wheeled. T. W. Fassett. 2,484,939, Oct. 18.
- Vehicle for invalids. S. Duke. 2,459,066, Jan. 11.
- Vehicle for the disposal of snow and ice. A. J. Cayas. 2,481,569, Sept. 13.
- Vehicle for transporting and handling material in stacks. K. Y. Messlick. 2,468,095, Apr. 26.
- Vehicle for transporting players on golf courses. R. J. Jackson. 2,463,972, Mar. 8.
- Vehicle for transporting tanks. A. G. Wills. 2,472,557, June 7.
- Vehicle having collapsible and extensible rear section. E. P. Hartry. 2,488,123, Nov. 15.
- Vehicle headlamp. W. H. Lund. 2,465,106, Mar. 22.
- Vehicle headlighting system. L. Griffiths and G. E. Fardon. 2,465,085, Mar. 22.
- Vehicle heating arrangement. B. E. Jones and J. B. Stanley. 2,461,424, Feb. 8.
- Vehicle jack. R. Burgett. 2,490,668, Dec. 6.
- Vehicle jack. W. F. Cioffi. 2,463,518, Mar. 8.
- Vehicle of the scooter type, Wheeled. H. M. Kinslow. 2,474,946, July 5.
- Vehicle rear axle housing support. C. and E. A. Cynamon. 2,485,434, Oct. 18.
- Vehicle road wheel. F. W. Baker. 2,458,761, Jan. 11.
- Vehicle sheathing arrangement. F. L. Murphy and J. B. Candlin, Jr. 2,476,451, July 19.
- Vehicle signal light switch. H. G. Frank. 2,476,487, July 19.
- Vehicle spring. C. Bohlen, Jr. 2,461,874, Feb. 15.
- Vehicle spring preloading device. C. R. Kilmer. 2,473,338, June 14.
- Vehicle spring suspended half-axle for supporting steerable wheels. D. G. Roos. 2,461,775, Feb. 15.
- Vehicle stake body lock. L. Metzger. 2,491,415, Dec. 13.
- Vehicle step, Retractable. E. L. Schofield and G. L. Runkle. 2,492,068, Dec. 20.
- Vehicle support. E. Craig. 2,466,794, Apr. 12.
- Vehicle suspension. G. E. Burks. 2,474,514, June 28.
- Vehicle suspension. K. K. Probst. 2,477,822, Aug. 2.
- Vehicle suspension, Link-and-lever road. R. R. Wyland. 2,464,475, Mar. 15.
- Vehicle suspension, Pneumatic. E. B. Aldous. 2,470,676, May 17.
- Vehicle top construction. N. A. Schassberger. 2,463,646, Mar. 8.
- Vehicle transmission, Automatic motor. G. S. Geddes. 2,490,347, Dec. 6.
- Vehicle truck and body interlock. F. P. Grutzner. 2,482,168, Sept. 20.
- Vehicle truck mechanism, Railway. W. B. Dean. 2,464,760, Mar. 15.
- Vehicle unloading construction. E. J. Sattler. 2,458,799, Jan. 11.
- Vehicle washer. W. H. Hopper and V. R. Drake. 2,465,562, Mar. 29.
- Vehicle wheel. C. S. Ash. 2,478,803, Aug. 9.
- Vehicle wheel. C. S. Ash. 2,481,187, Sept. 6.
- Vehicle wheel. C. S. Ash. 2,491,150, Dec. 13.
- Vehicle wheel. H. J. Horn. 2,470,559, May 17.
- Vehicle wheel. S. Seserman. 2,490,603, Dec. 6.
- Vehicle wheel cover. G. A. Lyon. 2,490,822, Dec. 13.
- Vehicle with elevating means, Semitrailer. G. A. Fleischmann. 2,471,735, May 31.
- Vehicles and the like, Heating. C. H. Becker. 2,483,721, Oct. 4.
- Vehicles having increased wet abrasion resistance, Protein water paint. J. C. Konen and B. W. Schroeder. 2,462,811, Feb. 22.
- Velocipede, Convertible. E. J. Jones. 2,468,933, May 3.
- Velocity modulation, Angular. G. L. Usselman. 2,459,556, Jan. 18.
- Velocity modulation apparatus. R. L. Wathen and R. H. Varian. 2,466,064, Apr. 5.
- Vending apparatus. L. T. Newman. 2,459,715, Jan. 18.
- Vending machine. C. L. Casey and J. B. Ryno. 2,486,518, Nov. 1.
- Vending machine. M. F. Davis. 2,470,474, May 17.
- Vending machine, Bottle. J. R. Donaldson and N. M. Hulse. 2,473,054, June 14.
- Vending machine, Coin-controlled. H. C. Dodson. 2,466,159, Apr. 5.
- Vending machine, Coin controlled package. H. P. Compton. 2,474,142, June 21.
- Vending machine, Coin-operated. J. F. Wellekens. 2,464,737, Mar. 15.
- Vending machine, Newspaper. S. S. Blanc. 2,488,897, Nov. 22.
- Vending machine, Pencil. C. B. Alexander. 2,462,298, Feb. 22.
- Vending machine, Refrigerated. C. E. Bouracier. 2,488,798, Nov. 22.
- Vending machine with magazine rotating on horizontal axis, Bottle. E. C. Johnson and J. E. Hagstrom. 2,474,053, June 21.
- Venetian blind. C. Adler. 2,471,710, May 31.
- Venetian blind. C. Adler. 2,480,992-3, Sept. 6.
- Venetian blind. J. Bezjian. 2,481,714, Sept. 13.
- Venetian blind. R. E. Gearhart. 2,459,517, Jan. 18.
- Venetian blind. H. M. Redman. 2,486,492, Nov. 1.
- Venetian blind assembly and bottom rail therefor. F. L. Stutz. 2,482,036, Sept. 13.
- Venetian blind bracket. H. Nelson. 2,473,293, June 14.
- Venetian blind bracket. M. Royer. 2,483,475, Oct. 4.
- Venetian blind structure. H. Nelson. 2,473,294, June 14.
- Venetian blind, Thermal responsive. J. J. Grebe. 2,489,879, Nov. 29.
- Vent, Automatic. E. C. Parry. 2,461,392, Feb. 8.
- Vent construction for airplane fuel tanks. F. E. Snow. 2,460,368, Feb. 1.

- Vent, Core. C. A. Dudzinski. 2,482,330, Sept. 20.
 Vent, Core box. P. B. Copeland and H. L. Morris. 2,482,321, Sept. 20.
 Vent device for pressure cookers. O. M. Burkhardt. 2,463,516, Mar. 8.
 Vent, Range oven. H. M. Reeves. 2,480,044, Aug. 23.
 Vent system for sanitary toilets. I. E. Ash. 2,572,457, June 7.
 Vent, Water excluding. J. M. Ewing. 2,480,562, Aug. 30.
 Venting cooker valve. P. C. Wilbur. 2,468,794, May 3.
 Ventilated slide carrier. S. Marcus and E. J. Anton. 2,463,566, Apr. 26.
 Ventilating and heating apparatus for vehicles. H. J. Pindley. 2,473,281, June 14.
 Ventilating apparatus. A. M. Brown and M. L. Mascia. 2,485,356, Oct. 18.
 Ventilating apparatus. H. H. Doe. 2,467,297, Apr. 12.
 Ventilating apparatus. A. Martin. 2,490,914, Dec. 13.
 Ventilating apparatus. J. B. Shaver. 2,492,242, Dec. 27.
 Ventilating device for kitchens and kitchen stoves. W. A. Pledger. 2,481,341, Sept. 6.
 Ventilating device. Sash. S. M. Monat. 2,481,329, Sept. 6.
 Ventilating tubing. E. F. Mahlberg. 2,467,559, Apr. 19.
 Ventilating unit. L. W. Eggleston. 2,467,018, Apr. 12.
 Ventilation arrangement for direct-current machines. T. M. Linville and K. D. McMahan. 2,492,753, Dec. 27.
 Ventilation for turbogenerators, Rotor. M. D. Ross. 2,459,586, Jan. 18.
 Ventilator, Motor. E. W. Hubscher. 2,488,409, Nov. 15.
 Ventilation system. A. Martin. 2,487,570, Nov. 8.
 Ventilator. B. Ames. 2,470,799, May 24.
 Ventilator. A. T. M. Bianciani. 2,489,446, Nov. 29.
 Ventilator. L. Gilbert and L. J. Hobson. 2,465,642, Mar. 29.
 Ventilator. H. B. Hawes. 2,465,533, Mar. 29.
 Ventilator. A. L. Schwartzberg. 2,470,375, May 17.
 Ventilator. B. B. Simcox. 2,460,604, Feb. 1.
 Ventilator. M. C. Volkman and C. A. Johnson. 2,458,324, Jan. 4.
 Ventilator. W. C. Wilson. 2,469,096, May 3.
 Ventilator, Adjustable. C. D. Belden. 2,458,134, Jan. 4.
 Ventilator, Adjustable. E. Mazza. 2,460,760, Feb. 1.
 Ventilator, Automatic. G. J. Smith. 2,474,760, June 28.
 Ventilator, Automatic greenhouse. L. H. Larsen. 2,479,243, Aug. 16.
 Ventilator, Built-in. J. B. Koch. 2,483,547, Oct. 4.
 Ventilator cap. J. W. Kice. 2,470,623, May 17.
 Ventilator, Collapsible window. J. Swanski. 2,469,903, May 10.
 Ventilator, Crankcase. L. K. Thome. 2,482,226, Sept. 20.
 Ventilator for motor vehicles. G. Griffith. 2,462,634, Feb. 22.
 Ventilator for vehicle bodies. K. Randall. 2,463,715, Mar. 8.
 Ventilator having air inlets and outlets, Building. R. E. Blake, P. Grange, and W. L. Thomas. 2,489,515, Nov. 29.
 Ventilator head. G. A. Houseman. 2,478,761, Aug. 9.
 Ventilator, Mechanical. L. J. Bingham. 2,480,441, Aug. 30.
 Ventilator, Plastic window. M. Wolters. 2,484,769, Oct. 11.
 Ventilator, Roof. F. A. Dahlin. 2,489,011, Nov. 22.
 Ventilator, Roof. F. H. Leslie. 2,490,220, Dec. 6.
 Ventilator, Roof. J. F. Werner. 2,470,201, May 17.
 Ventilator, Sash. E. G. Davis. 2,470,433, May 17.
 Ventilator system, Refrigerator. L. M. Mitchell. 2,471,971, May 31.
 Ventilator, Window. L. G. Allen. 2,484,922, Oct. 18.
 Ventilator, Window. S. Mora. 2,487,167, Nov. 8.
 Ventilator, Window. W. B. Nye. 2,462,278, Feb. 22.
 Venting bung. C. T. Mirassou. 2,468,340, Apr. 26.
 Venting means. W. W. Voss. 2,468,385, Apr. 26.
 Venting means. H. V. Williamson. 2,480,391, Aug. 30.
 Venturi construction, Double-boost. F. J. Wiegand and R. W. Scott. 2,482,528, Sept. 20.
 Veratraldehyde from opianic acid, Preparing. J. Weiflard and M. Tishler. 2,477,158, July 26.
 Verge plate, Shock-damping. K. Howie. 2,474,627, June 28.
 Verifying machine, Record. C. R. Doty. 2,475,315, July 5.
 Vertical deep well pump. E. I. McGee. 2,491,751, Dec. 20.
 Vertical rolling mill. J. W. Shepherdson and J. M. O'Malley. 2,491,286, Dec. 13.
 Vertical semicylindrical burner. J. L. Breese and B. Hayter. 2,470,683, May 17.
 Vertical type internal outlet header for catalyst chambers. A. E. Morrey, Jr. 2,483,923, Oct. 4.
 Vertically adjustable table. R. Newstead. 2,472,722, June 7.
 Vertically adjustable table. M. Squires. 2,475,411, July 5.
 Vertically reciprocating gyrotory screen. L. Sandoz-Peter. 2,464,417, Mar. 15.
 Vessel and connection arrangements for the same, Mercury vapor discharge. E. Kohler. 2,458,861, Jan. 11.
 Vessel, Colorimetric. F. C. Schubart. 2,467,593, Apr. 19.
 Vessel, Double wall. R. A. Gulick. Re. 23,106, May 3.
 Vessel for storage of liquids at abnormally high or low temperatures, Pressure. H. C. Boardman. 2,462,064, Feb. 22.
 Vessel, Heated drinking. D. E. Keller. 2,460,509, Feb. 1.
 Vessels, Exhausting and closing. W. A. Roovers. 2,476,387, July 19.
 Vessels, Producing copperplated culinary. A. C. Scavullo. 2,465,608, Mar. 29.
 Vest, Aviator's pressure. J. D. Akerman. 2,467,364, Apr. 19.
 Vest, Clerical. V. T. Hauer. 2,485,828, Oct. 25.
 Vest or waistcoat. C. Emms. 2,484,698, Oct. 11.
 Vest pocket exposure meter. A. G. Stimson. 2,483,945, Oct. 4.
 Vibrating and massaging apparatus. F. Boyd. 2,467,007, Apr. 12.
 Vibrating apparatus. J. R. Lindsay. 2,481,131, Sept. 6.
 Vibrating apparatus. R. S. Robinson. 2,478,207, Aug. 9.
 Vibrating device. J. A. Mas. 2,468,991, May 3.
 Vibration absorber device for helicopters. L. S. Wasserman and M. L. Deutsch. 2,489,343, Nov. 29.
 Vibration absorbing support. H. M. Dodge. 2,461,969, Feb. 15.
 Vibration apparatus for testing articles. R. G. Rowe. 2,486,984, Nov. 1.
 Vibration control, Cutter tool. R. G. Hummer. 2,458,995, Jan. 11.
 Vibration damper, Torsional. C. J. McDowall and O. V. Montieth. 2,480,946, Sept. 6.
 Vibration damping mounting. L. F. Thiry. 2,472,029, May 31.
 Vibration eliminating apparatus. E. J. Egle, Jr. 2,474,042, June 21.
 Vibration indicator. E. C. Strong. 2,469,137, May 3.
 Vibration insulating mounting. N. Ivanovic. 2,460,292, Feb. 1.
 Vibration isolator unit. P. C. Efromson and J. A. Dickie. 2,477,972, Aug. 2.
 Vibration preventer for bobbin magazines. R. G. Turner. 2,468,524, Apr. 26.
 Vibration screen apparatus, Gyrotory. S. J. Gilson. 2,477,123, July 26.
 Vibrato organization. M. J. Larsen. 2,470,705, May 17.
 Vibrato system for amplifiers. N. I. Daniel. 2,466,306, Apr. 5.
 Vibrator. R. J. Aust. 2,458,822, Jan. 11.
 Vibrator. C. F. Coake. 2,475,820, July 12.
 Vibrator. C. F. Coake. 2,483,085, Sept. 27.
 Vibrator. G. L. Glegg. 2,490,122, Dec. 6.
 Vibrator. C. Huettner. 2,484,093, Oct. 11.
 Vibrator and vibrator system, Multiphase. W. W. Garstang. 2,489,372, Nov. 29.
 Vibrator apparatus, Electrically operated. D. B. Corbyn. 2,472,367, June 7.
 Vibrator circuit. H. J. Brown and J. A. Mas. 2,459,866, Jan. 25.
 Vibrator, Driver contact. C. F. Coake. 2,483,086, Sept. 27.
 Vibrator, High-frequency. R. J. Aust and C. Huettner. 2,490,895, Dec. 13.
 Vibrator, Electric. L. H. Snyder. 2,470,660, May 17.
 Vibrator, Electromagnetic. C. S. Weyandt. 2,463,448, Mar. 1.
 Vibrator, Electromagnetic bone. G. Vernier. 2,482,044, Sept. 13.
 Vibrator, Fluid operated. R. Burt. 2,472,568, June 7.
 Vibrator grinding mill. G. Thiman. 2,469,484, May 10.
 Vibrator, Hydraulic. A. Musschoot. 2,482,790, Sept. 27.
 Vibrator, Machine. E. F. Peterson. 2,480,603, Aug. 30.
 Vibrator, Massage. L. H. Snyder. 2,468,949, May 3.
 Vibrator mechanism, High-frequency. R. J. Aust. 2,473,353, June 14.
 Vibrator movement for electric bells. W. T. Harris. 2,463,380, Mar. 1.
 Vibrator power supply. L. O. Vladimir. 2,468,578, Apr. 26.
 Vibrator, Short. C. Huettner. 2,478,101, Aug. 2.
 Vibrator test circuit. M. E. Nulsen. 2,470,049, May 10.
 Vibrator, Therapeutic concussion. T. B. Korpela. 2,466,659, Apr. 5.
 Vibrator, Ultra high frequency. H. Benioff. 2,468,537-8, Apr. 26.
 Vibratory converter switch. T. T. Short. 2,487,604, Nov. 8.
 Vibratory direct current to alternating current converter. E. A. Tubbs. 2,476,931, July 19.
 Vibratory electrical motor. C. Guajardo. 2,492,860, Dec. 27.
 Vibratory equipment. L. E. Soldan. 2,484,191, Oct. 11.
 Vibratory switch. H. C. Ressler and J. H. Long. 2,463,426, Mar. 1.
 Vibratory therapeutic chair. W. L. Wettlaufer. 2,492,671, Dec. 27.
 Vibratory motor. H. H. Hittson. 2,467,748, Apr. 19.
 Vibratory motor. C. S. Weyandt. 2,472,637, June 7.
 Vibratory strand reference apparatus with longitudinal component drive. T. M. Ferrill, Jr. 2,466,018, Apr. 5.
 Vibroisolator. S. Rosenzweig. 2,466,480, Apr. 5.
 Video black clipper. S. R. Patremio. 2,485,310, Oct. 18.
 View finder for cameras. R. E. Prentice. 2,479,254, Aug. 16.
 View finder for cameras, Parallax compensating. A. E. Little. 2,482,628, Sept. 20.
 View finder for photographic apparatus. M. Schwartz and W. Castedello. 2,487,773, Nov. 8.

- View finder for photographic cameras. C. B. McCathron. 2,461,499, Feb. 8.
- View finder, Infinity sight. P. and M. N. Mainardi. 2,469,927, May 10.
- View mirror for automotive vehicles, Reflected. D. R. Martin. 2,483,289, Sept. 27.
- View taking apparatus. L. G. A. Pejols. 2,474,159, June 21.
- Viewer, Film. A. J. Bruno. 2,461,718, Feb. 15.
- Viewer for machine tools, Optical projection. G. Banko. 2,481,381, Sept. 6.
- Viewer, Stereoscopic. F. H. Avers and E. C. Krebs. 2,478,556, Aug. 9.
- Viewing and illuminating device for divers' helmets. A. Barna. 2,481,808, Sept. 13.
- Viewing device, Picture. J. J. Dilks. 2,467,014, Apr. 12.
- Vine cutter. L. and C. A. Rogers. 2,473,450, June 14.
- Vine turner. C. T. McCready. 2,482,356, Sept. 20.
- Vinyl acetate polymerization process. W. R. Cornthwaite and H. W. Bryant. 2,468,923, May 3.
- Vinyl acetate production. W. H. Gehrke. 2,485,044, Oct. 18.
- Vinyl alkoxy benzoates. D. T. Mowry and G. E. Ham. 2,465,317, Mar. 22.
- Vinyl aromatic compositions containing colloidal silica. R. B. Seymour. 2,467,339, Apr. 12.
- Vinyl chloride-alkyl ester of unsaturated dicarboxylic acid copolymer sponge composition. W. T. L. Ten Broeck, Jr. 2,461,942, Feb. 15.
- Vinyl chloride-containing polymers having a high stability against thermal decomposition. S. Temple. 2,482,038, Sept. 13.
- Vinyl chloride-containing polymers having a high stability against thermal decomposition. T. V. Williams. 2,482,048, Sept. 13.
- Vinyl chloride-containing resin stabilized with propylene glycol diricinoleate. R. R. Lawrence. 2,486,182, Oct. 25.
- Vinyl chloride copolymers, Plasticized. C. W. Gayler. 2,492,419, Dec. 27.
- Vinyl chloride, Manufacture of. A. J. H. M. de Vaissière. 2,467,013, Apr. 12.
- Vinyl chloride polymer compositions containing maleic-vinyl acetate heteropolymers and compounds of lead, calcium, or barium. M. Baer. 2,483,959, Oct. 4.
- Vinyl chloride polymers plasticized with dialkyl chlorophthalates. T. L. Gresham. 2,460,574, Feb. 1.
- Vinyl chloride, Production of. W. L. J. de Nie. 2,474,206, June 28.
- Vinyl chloride, Production of. J. F. Weiler. Re. 23,128, June 21.
- Vinyl chloride resin compositions containing imidazolidines. R. A. Donia. 2,476,832, July 19.
- Vinyl chloride resins plasticized with diester-amides. F. Johnston and W. H. Hensley. 2,472,900, June 14.
- Vinyl chloride resins, Stabilized. S. L. Burt. 2,489,518, Nov. 29.
- Vinyl chloride resins, Stabilized. J. K. Fincke and E. W. Gluesenkamp. 2,479,918, Aug. 23.
- Vinyl chloride resins stabilized with alkali metal or alkaline earth metal salts of nitro substituted alkanes. J. K. Fincke. 2,464,177, Mar. 8.
- Vinyl compounds, Stabilization of. J. R. Durland. 2,458,494, Jan. 11.
- Vinyl copolymer and its production. R. W. Quarles. 2,458,639, Jan. 11.
- Vinyl cyanide and reactive methylene compounds, Reaction between. A. O. Rogers. 2,460,536, Feb. 1.
- Vinyl cyanide, Production of. P. L. Salzberg. 2,476,771, July 19.
- Vinyl ester compositions containing colloidal silica. R. B. Seymour. 2,467,340, Apr. 12.
- Vinyl esters of polycarboxylic acids, Preparing. A. Pechukas. 2,472,434, June 7.
- Vinyl ether and its homologues, Production of. P. L. Bramwyche and M. Mugdan. 2,482,725, Sept. 20.
- Vinyl ether-phosgene interpolymerization products and producing the same. F. Grosser. 2,464,747, Mar. 15.
- Vinyl ether polymers, Producing stabilized. A. O. Zoss. 2,477,225, July 26.
- Vinyl ethers and polymers thereof. H. T. Thompson. 2,477,218, July 26.
- Vinyl ethers, Preparation of. D. G. Botteron. 2,462,602, Feb. 22.
- Vinyl fluoride polymers, Production of. A. E. Newkirk. 2,479,957, Aug. 23.
- Vinyl fluoride polymers, Stabilized. F. L. Johnston and H. J. Richter. 2,476,606, July 19.
- Vinyl halide polymer compositions. T. V. Williams, Jr. 2,467,352, Apr. 12.
- Vinyl halide resins, Color stabilization of. F. W. Cox and J. M. Wallace, Jr. 2,459,127, Jan. 11.
- Vinyl halides, Polymerizing. L. Plambeck, Jr. 2,462,422, Feb. 22.
- Vinyl halides, Production of. J. C. Hillyer. 2,480,021, Aug. 23.
- Vinyl halo benzoates. D. T. Mowry and G. E. Ham. 2,465,316, Mar. 22.
- Vinyl phosphonocarboxylate esters and polymers thereof. R. H. Wiley. 2,478,441, Aug. 9.
- Vinyl polymers plasticized with air-blown extracts of mineral oil fractions. E. W. M. Fawcett, E. S. Narracott, and K. J. Rowland. 2,471,266, May 24.
- Vinyl polymers plasticized with sulfur treated extracts of mineral oil fractions. E. W. M. Fawcett, E. S. Narracott, and A. Millien. 2,471,267, May 24.
- Vinyl resin composition containing a stearic acid amide of ethylene diamine. F. W. Duggan and R. P. Stambaugh. 2,464,855, Mar. 22.
- Vinyl resin composition, Stabilized. R. I. Leininger. 2,476,422, July 19.
- Vinyl resin plasticizers. E. P. Rittershausen. 2,489,674, Nov. 29.
- Vinyl resin reacted with chromium trioxide and phosphoric acid, Hydroxylated. L. R. Whiting and M. V. Goodyear. 2,488,651, Nov. 22.
- Vinyl resin, Stabilized. W. R. Richard. 2,477,349, July 26.
- Vinyl resins plasticized with polyalkylnaphthalenes. P. L. Brandt. 2,477,717, Aug. 2.
- Vinyl sulfides. E. F. Landau and E. P. Irany. 2,490,875, Dec. 13.
- Vinyl sulfone-diene interpolymers. C. J. Mighton. 2,472,672, June 7.
- Vinyl sulfones, Preparation of. D. L. Schoene. 2,474,808, July 5.
- Vinyldiacetonalkamine, Preparation of. E. H. Kastning and C. F. Fischer. 2,480,329, Aug. 30.
- Vinyldiene chloride-acrylonitrile copolymers containing an aromatic hydrocarbon as a gel retardant, Solutions of. P. M. Hauser. 2,474,896, July 5.
- Vinyldiene chloride-butadiene-acrylonitrile interpolymers. G. W. Stanton and C. E. Lowry. 2,482,073, Sept. 13.
- Vinyldiene chloride-butadiene-alpha-methyl styrene interpolymers. G. W. Stanton and C. E. Lowry. 2,463,574, Mar. 8.
- Vinyldiene chloride-butadiene-ethyl acrylate interpolymers. G. W. Stanton and C. E. Lowry. 2,463,575, Mar. 8.
- Vinyldiene chloride-butadiene-isobutylene interpolymers. G. W. Stanton and C. E. Lowry. 2,463,571, Mar. 8.
- Vinyldiene chloride-butadiene-vinyl acetate interpolymers. G. W. Stanton and C. E. Lowry. 2,463,572, Mar. 8.
- Vinyldiene chloride-butadiene-vinyl chloride interpolymers. G. W. Stanton and C. E. Lowry. 2,463,573, Mar. 8.
- Vinyldiene chloride compositions stable to light. L. A. Matheson and R. F. Boyer. 2,462,412, Feb. 22.
- Vinyldiene chloride film, Production of polymeric. R. R. Trull. 2,488,571, Nov. 22.
- Vinyldiene chloride resins, Heat stabilization of. M. R. Radcliffe. 2,459,746, Jan. 18.
- Vinyldiene chloride-vinyl chloride copolymer composition for making shrinkable, translucent films. C. R. Irons. 2,477,611-14, Aug. 2.
- Violin. L. H. Lower. 2,485,158, Oct. 18.
- Violin bow. L. S. Brown. 2,483,486, Oct. 4.
- Violin shoulder safety pad. J. E. Hall. 2,478,530, Aug. 9.
- Viscera and head inspection apparatus. A. O. Lundell. 2,492,387, Dec. 27.
- Viscometer. W. G. Bechtel and C. C. Kesler. 2,491,639, Dec. 20.
- Viscose filaments, Producing. P. H. Schlosser, R. L. Mitchell, and K. R. Gray. 2,491,938, Dec. 20.
- Viscose preparation. M. Golben. 2,492,421, Dec. 27.
- Viscose rayon, Aftertreatment of. J. G. Weeldenburg. 2,468,530, Apr. 26.
- Viscose rayon yarn and fabric, Producing. W. B. Carden. 2,464,433, Mar. 15.
- Viscosimeter. C. R. Stock. 2,484,761, Oct. 11.
- Viscosimeter. E. B. Weiss. 2,485,424, Oct. 18.
- Viscosity regulator. B. N. Hoffström. 2,489,136, Nov. 22.
- Viscous aqueous solutions of proteins, Production of. J. E. L. Thomas and D. Traill. 2,463,827, Mar. 8.
- Viscous oil by copolymerization of aromatic olefin with monoolefin, Production of. D. W. Young and W. H. Smyers. 2,474,881, July 5.
- Viscous water-soluble cellulose ether solutions and making same. C. R. W. Morison. 2,480,949, Sept. 6.
- Vise. E. J. Foulke. 2,489,369, Nov. 29.
- Vise for holding irregularly shaped objects. W. A. Rice. 2,486,494, Nov. 1.
- Vise for splicing wire and like material, Rigger's. E. Gaulke. 2,471,269, May 24.
- Vise having a toothed nut and displaceable ratchet for quick opening, Screw operated. R. M. Nelson. 2,485,641, Oct. 25.
- Vise, Jack operable and supported. F. W. Coffing. 2,471,726, May 31.
- Vise-jaw attachment selectively usable as an auxiliary jaw or as a work support between two other vise jaws. I. Sordi. 2,490,843, Dec. 13.
- Vise jaw locked and actuated by system of levers, Slidable. P. A. Fleury and P. A. Fleury, IV. 2,465,679, Mar. 29.
- Vise, Machinist's universal. O. F. Trefz. 2,471,361, May 24.
- Vise, Manual pipe bending. F. J. McCalla. 2,492,491, Dec. 27.
- Vise or clamp sequentially actuated by screw and hydraulic ram. C. B. Vickers. 2,492,338, Dec. 27.
- Vise or clamp, Toolmaker's. J. M. Froblom. 2,473,643, June 21.

- Vise, Quick-acting lever actuated pipe.** L. J. Ferree. 2,460,079, Jan. 25.
- Vise, Saw.** L. Carpentier. 2,486,516, Nov. 1.
- Vise, Venturi.** K. R. Fowler. 2,475,384, July 5.
- Vise with quick positioning jaws.** S. W. Jordan. 2,469,600, May 10.
- Vision testing kit having an eye testing target chart and illuminating means therefor, Portable.** W. K. Long. 2,478,662, Aug. 9.
- Visual on and off course radio beam indicator.** R. K. Vermillion and R. J. Cadwallader. 2,491,785, Dec. 20.
- Visual representation of complex waves.** L. Schott. 2,481,247, Sept. 6.
- Visor.** A. D. Brundage. 2,458,677, Jan. 11.
- Visor.** F. L. Jacobs. 2,458,707, Jan. 11.
- Visor, Sun.** E. F. Burdick. 2,462,304, Feb. 22.
- Visor, Sun.** W. T. Kipp. 2,475,901, July 12.
- Visor, Sun.** T. Rea. 2,458,918, Jan. 11.
- Visor, Vehicle.** E. A. Thompson. 2,492,074, Dec. 20.
- Vitamin A-acetate, Manufacture of.** O. Isler, W. Guex, and P. Treadwell. 2,490,358, Dec. 6.
- Vitamin compositions.** W. Huber and W. R. Boehme. 2,460,009, Jan. 25.
- Vitamin compositions.** H. C. Miller. 2,477,491, July 26.
- Vitamin concentrates, Manufacturing.** L. W. Schnabel. 2,481,353, Sept. 6.
- Vitamin E preparation.** K. C. D. Hickman and L. Weisler. 2,486,540, Nov. 1.
- Vitamin-fortified meals, Preparation of.** L. O. Buxton. 2,458,679, Jan. 11.
- Vitamin preparation, Stabilized.** C. J. Kern and H. W. Del Vecchio. 2,491,452, Dec. 13.
- Vitreous enamel opacification.** B. W. King, Jr., and L. C. Baumhardt. 2,468,711, Apr. 26.
- Vitreous fused silica, Treating.** T. K. Zagwyn and P. R. Kosting. 2,459,209, Jan. 18.
- Vitreous product, Making fired.** H. R. Feichter. 2,482,580, Sept. 20.
- Voice operated control circuit.** R. H. Herrick. 2,468,553, Apr. 26.
- Volatile liquid dispenser.** V. W. Gelatka. 2,475,231, July 5.
- Volatile materials, Recovering.** E. F. Drew. 2,471,942, May 31.
- Volatile substances from aqueous dispersions of elastomeric materials, Removal of.** R. W. Morrow and J. L. Parsons. 2,467,769, Apr. 19.
- Volatilizable metal halides from adsorbents, Separation of.** S. C. Carney. 2,483,487, Oct. 4.
- Voltage and phase control.** S. Steinitz. 2,459,551, Jan. 18.
- Voltage control and stabilizing circuits.** G. Herzog and A. H. Lord, Jr. 2,477,802, Aug. 2.
- Voltage control for ship propulsion, Variable.** E. H. Hornbarger and W. Schaelchlin. 2,482,484, Sept. 20.
- Voltage controlled proportional positioning apparatus.** F. A. Fanta, Jr. 2,486,935, Nov. 1.
- Voltage distribution system.** H. W. G. Salinger and H. W. Beach. 2,472,727, June 7.
- Voltage doubler.** G. D. Harding. 2,492,746, Dec. 27.
- Voltage drive, particularly for hoisting equipment, Variable.** W. Schaelchlin and W. R. Harding. 2,468,117, Apr. 26.
- Voltage fuse, Electric low and high.** F. H. Turnham and E. W. Garrison, Jr. 2,485,221, Oct. 18.
- Voltage multiplier.** D. Canady. 2,462,804, Feb. 22.
- Voltage multiplier.** J. B. Trevor, Jr. 2,470,118, May 17.
- Voltage multiplier circuit.** S. J. Harris. 2,467,744, Apr. 19.
- Voltage multiplying circuit.** S. Darlington. 2,473,414, June 14.
- Voltage or current regulator.** D. C. Cox. 2,476,534, July 19.
- Voltage regulating system.** U. Lamm. 2,477,991, Aug. 2.
- Voltage regulation.** W. H. Bixby. 2,466,874, Apr. 12.
- Voltage regulation.** H. Klemperer. 2,468,080, Apr. 26.
- Voltage regulation.** J. T. McLaure. 2,465,903, Mar. 29.
- Voltage regulation.** J. A. Potter. 2,471,976, May 31.
- Voltage regulation.** D. E. Truckess. 2,468,850, May 3.
- Voltage regulator.** W. H. Bixby. 2,486,250, Oct. 25.
- Voltage regulator.** J. L. Bowers. 2,461,514, Feb. 15.
- Voltage regulator.** M. S. Corrington. 2,483,755, Oct. 4.
- Voltage regulator.** A. E. Hastings. 2,475,613, July 12.
- Voltage regulator.** R. G. Le Tournau. 2,482,588, Sept. 20.
- Voltage regulator.** E. Mittelmann. 2,488,600, Nov. 22.
- Voltage regulator.** G. B. Steincross. 2,474,287, June 28.
- Voltage regulator circuit.** W. L. Kinsell. 2,490,063, Dec. 6.
- Voltage regulator tube circuit.** W. F. Scott. 2,469,280, May 3.
- Voltage responsive trip circuit.** R. E. Sturm and J. R. Cosby. 2,467,948, Apr. 19.
- Voltage stabilizer.** G. Mak. 2,472,256, June 7.
- Voltage two-tone source.** E. R. Shenk. 2,482,561, Sept. 20.
- Voltagages, Multiplying.** V. M. Cousins. 2,471,262, May 24.
- Voltmeter for high voltages.** H. Alfvén and S. Eklund. 2,464,428, Mar. 15.
- Voltmeter, High impedance vacuum tube.** J. K. Bair. 2,478,174, Aug. 9.
- Voltmeter, Linear response vacuum tube.** R. A. McNaughton. 2,470,219, May 17.
- Volume control.** C. N. Kimball, B. E. Brown, and S. R. Tyler, Jr. 2,486,480, Nov. 1.
- Volume control and sync pulse reshaping circuit. Fast-acting automatic.** A. Wright. 2,476,291, July 19.
- Volume control and sync separator for television receivers, Automatic.** A. C. Schroeder. 2,481,045, Sept. 6.
- Volume control, Electric.** H. M. Dressel. 2,465,213, Mar. 22.
- Volume control for seismograph systems, Automatic.** C. H. Fay and T. J. Tvedt. 2,489,126, Nov. 22.
- Volume control preamplifier, Automatic.** L. N. Theroux. 2,468,139, Apr. 26.
- Volume control, Radio.** H. M. Dressel. 2,489,757, Nov. 29.
- Volumetric liquid meter.** H. Boutillon. 2,465,997, Apr. 5.
- Vortex reducer for aircraft, Wing tip.** E. L. Shaw. 2,485,218, Oct. 18.
- Vortical current separator.** B. S. Hughes. 2,473,488, June 14.
- Voting machine.** A. N. Gustavson. 2,471,567, May 31.
- Voting machine.** A. N. Gustavson. 2,481,011, Sept. 6.
- Voting system or the like, Electrical.** W. T. Powell. 2,471,774, May 31.
- Vulcanization of butadiene copolymer rubbers by means of halogenated aliphatic hydrocarbons.** A. A. Baum. 2,478,036, Aug. 2.
- Vulcanization of rubber.** S. van der Meer. 2,483,026, Sept. 27.
- Vulcanization of rubber with urea-metal salt complex accelerators.** T. Punshon, Jr., and I. Williams. 2,480,814, Aug. 30.
- Vulcanized copolymers of butadiene and acrylonitrile, Reclaiming.** P. J. Dasher. 2,465,205, Mar. 22.
- Vulcanized polymers of chloroprene.** P. A. Sanders. 2,482,293, Sept. 20.
- Vulcanized rubber scrap, Reclaiming.** L. B. Tewksbury, Jr., and L. H. Howland. 2,469,529, May 10.
- Vulcanizer, Tire.** H. B. Hudson. 2,464,232, Mar. 15.
- Vulcanizing apparatus.** D. G. Rempel. 2,488,935, Nov. 22.
- Vulcanizing elastomers, Process of.** B. M. Sturgis and A. A. Baum. 2,489,340, Nov. 29.
- Vulcanizing equipment.** M. J. Daheim and F. L. Finn. 2,480,714, Aug. 30.
- Vulcanizing mechanism.** S. S. Miner. 2,484,419, Oct. 11.
- Vulcanizing or like article-forming equipment.** D. G. Rempel. 2,463,560, Mar. 8.
- Vulcanizing rubbery butadiene polymers with dioxanthic disulfides.** M. C. Throdahl. 2,462,572, Feb. 22.
- Wabblor coupling.** J. M. O'Malley. 2,471,974, May 31.
- Wad, Sealing.** T. H. Garber. 2,476,291, July 19.
- Wading pool, Portable outdoor.** P. K. Smith and M. Nappe. 2,483,789, Oct. 4.
- Wagon.** S. H. Gainsley. 2,480,235, Aug. 30.
- Wagon.** J. D. Wheeler. 2,470,061, May 10.
- Wagon bolster jack.** E. H. Schmidtke. 2,467,056, Apr. 12.
- Wagon box.** C. F. Bauer, D. A. Wangelin, and C. L. Scott. 2,486,381, Nov. 1.
- Wagon box.** R. Carbert. 2,475,590, July 12.
- Wagon, Child's play.** K. F. Baehl. 2,479,457, Aug. 16.
- Wagon, Convertible coaster.** A. Johnson. 2,458,080, Jan. 4.
- Wagon, Dump.** L. W. Smith. 2,471,379, May 24.
- Wagon, Pickup hay.** W. H. Rodefied. 2,471,350, May 24.
- Wagon, Self-unloading.** H. C. Steinacher. 2,489,055, Nov. 22.
- Wagon, Serving.** H. C. Doner. 2,478,254, Aug. 9.
- Wagon, Station.** T. W. Stephenson and C. F. Kramer. 2,474,991, July 5.
- Wagon tongue.** J. R. Hansen. 2,467,477, Apr. 19.
- Wagon tongue, Telescopic.** C. C. Sancken. 2,468,377, Apr. 26.
- Waist and petticoat, Combined.** L. M. Perlitch. 2,492,396, Dec. 27.
- Waistband in garments, Adjustable.** A. Livingston. 2,485,157, Oct. 18.
- Waistband in pajama trousers, Adjustable.** S. Wilker. 2,482,644, Sept. 20.
- Walker or toy vehicle.** A. Rodriguez. 2,462,814, Feb. 22.
- Walking aid, Adjustable.** H. E. Blume. 2,474,722, June 28.
- Walking device, Machine.** M. Armstrong. 2,492,548, Dec. 27.
- Wall and panel construction.** P. O. De Ragon. 2,479,819, Aug. 23.
- Wall assembly.** R. Connell. 2,467,581, Apr. 19.
- Wall bracket hanger.** W. C. Craver. 2,461,145, Feb. 8.
- Wall, Brick veneered.** J. F. Landrigan. 2,474,948, July 5.
- Wall, Building.** F. R. Jackson. 2,476,096, July 12.
- Wall construction, Trailer body side.** J. J. Black. 2,459,765, Jan. 18.
- Wall construction, Vault.** P. Bescherer. 2,458,242, Jan. 4.
- Wall, Detachable clip suspended.** W. C. Hensel. 2,480,241, Aug. 30.
- Wall fixture attaching device.** A. A. Lein. 2,491,742, Dec. 20.
- Wall form, Concrete.** J. J. Pirz. 2,459,719, Jan. 18.
- Wall hook.** O. Larson. 2,463,186, Mar. 1.
- Wall, Making a flexible corrugated.** F. W. Gehrer. 2,479,677, Aug. 23.

- Wall of angular tile, Building. V. O. Sipe. 2,480,613, Aug. 30.
- Wall of plastic filled sectional blocks, Building. A. Christensen. 2,470,917, May 24.
- Wall outlet and plug therefor, Electric. W. H. Lavoie. 2,467,981, Apr. 19.
- Wallpaper and border package, Combination. M. G. Lund, R. L. Atkinson and L. W. Staunton. 2,491,619, Dec. 20.
- Wallpaper cutter. D. A. De Capite. 2,475,882, July 12.
- Wall panel securing means. J. H. Van Uum, B. Emming, and C. Lohr. 2,490,663, Dec. 6.
- Wall protector. H. O. Serkland. 2,482,376, Sept. 20.
- Wall shelf, Corner. J. A. Conterio. 2,465,685, Mar. 29.
- Wall, Simulated masonry. F. P. Petras. 2,482,556, Sept. 20.
- Wall structure. B. S. Cain. 2,486,821, Nov. 1.
- Wall structure. H. C. Doner. 2,490,259, Dec. 6.
- Wall structure, Blast furnace. G. Wehr. 2,486,348, Oct. 25.
- Wall structure, Building. A. L. Austin. 2,477,111, July 26.
- Wall structure, Flexible. J. J. Skelly. 2,458,537, Jan. 11.
- Wall structure for combined handbag and change purse, Modified. K. F. Schmidt. 2,464,350, Mar. 15.
- Wall structure, Tile. S. M. Lichaczewski. 2,475,708, July 12.
- Wall thickness indicator. J. S. Pelan. 2,474,320, June 28.
- Wall tile, Interlocking. R. G. Brown. 2,490,577, Dec. 6.
- Wall-type fuel burning heater. H. A. Marble. 2,484,457, Oct. 11.
- Wallet, Compact composite. A. B. Vasillas. 2,477,840, Aug. 2.
- Wallet, Concealable memo-pad. J. P. Wege. 2,475,067, July 5.
- Wallet with attached pocket-carrying holder. S. Knee. 2,476,739, July 19.
- Wallet with auxiliary or secret billfold. S. Knee. 2,458,711, Jan. 11.
- Wallet with edge stitched inner pockets. E. K. Renz. 2,484,857, Oct. 18.
- Wardrobe. L. Gilbert. 2,483,340, Sept. 27.
- Warmer, Red. D. D. Roberts. 2,487,478, Nov. 8.
- Warmer, Electric bed. J. S. Latta, Sr. 2,490,910, Dec. 13.
- Warmer, Hot dog. K. R. Hagen. 2,463,613, Mar. 8.
- Warming and conditioning apparatus, Combined frankfurter and roll. N. G. Morici. 2,469,778, May 10.
- Warming device, Popcorn. S. Newburger. 2,458,190, Jan. 4.
- Warning and flood light for motor vehicles. L. E. Du Frane. 2,491,094, Dec. 13.
- Warning bell device. P. Magdelain. 2,476,055, July 12.
- Warning device. R. C. Dall. 2,477,725, Aug. 2.
- Warning device, Brake fluid level. M. W. Moore. 2,479,503, Aug. 16.
- Warning device for airplanes, Stall. L. Greene. 2,478,967, Aug. 16.
- Warning device for refrigerators. D. R. Wood. 2,475,069, July 5.
- Warning light system for motor vehicles and a switch for use in such a system, Electrical. J. Volker. 2,458,323, Jan. 4.
- Warning magnetic unit. J. C. Booth. 2,462,715, Feb. 22.
- Warning signal light. L. V. Walsh. 2,475,365, July 5.
- Warp beam. G. E. Utter. 2,491,941, Dec. 20.
- Warp sizing material. F. G. La Plana. 2,462,108, Feb. 22.
- Warp-stop motion. S. W. La Rocque. 2,485,533, Oct. 18.
- Warp stop motion. H. W. Thatcher and C. D. Brown. 2,479,546, Aug. 16.
- Warp tensioning device. N. S. Johnson and A. F. Sargent. 2,468,880, May 3.
- Warp tensioning means, Variable. A. Lanz. 2,460,512, Feb. 1.
- Warp threads in circular looms, Distributing. V. M. J. Ancet. 2,483,118, Sept. 27.
- Wash box and tar separator of water-gas manufacturing machines. G. T. Macbeth. 2,485,835, Oct. 25.
- Washer: See—
 Air washer. Intermittent photographic
 Automatic print washer. print washer.
 Cup washer. Vegetable washer.
 Cylinder hydraulic washer. Vehicle washer.
 Gas washer.
- Washer for centrifugals and the like, Staccato. W. A. Harrison. 2,478,392, Aug. 9.
- Washer in cabinet. Retractable. F. Breckenridge. 2,481,193, Sept. 6.
- Washer for garden hose couplings. O. E. Andrus. 2,460,407, Feb. 1.
- Washer or packing cup, Double wall. E. I. and F. B. Schwarz. 2,465,175, Mar. 22.
- Washing and extracting machine, Clothes. H. E. Page. 2,461,078, Feb. 8.
- Washing apparatus, Vehicle wheel. L. J. Rousseau. 2,490,921, Dec. 13.
- Washing device for vehicles and other objects. R. S. Corbett. 2,484,488, Oct. 11.
- Washing device, Gas. W. W. Johnstone. 2,485,739, Oct. 25.
- Washing equipment, Pipe. J. Schechter. 2,485,780, Oct. 25.
- Washing fabrics, Method of and apparatus for. G. M. Gibson. 2,478,188, Aug. 9.
- Washing machine. J. W. McNairy. 2,485,621, Oct. 25.
- Washing machine. G. A. Oberg. 2,475,982, July 12.
- Washing machine, Automatic sequentially operated. A. R. Miller. 2,486,668, Nov. 1.
- Washing machine, Can. E. R. Laird. 2,461,162, Feb. 8.
- Washing machine, Collapsible sectional and portable. A. Slutsky. 2,483,676, Oct. 4.
- Washing machine, Dish and like. A. J. Gunn. 2,491,175, Dec. 13.
- Washing machine for solid objects, Spray type. H. B. Wiswall. 2,471,506, May 31.
- Washing machine, Glassware. A. R. Lofstrand. 2,480,150, Aug. 30.
- Washing machine having automatically operated siphons. D. K. Ferris. 2,478,814, Aug. 9.
- Washing machine having rotatable tube with upper and lower discharge means. G. P. Castner. 2,470,140, May 17.
- Waste container. S. Bloomfield. 2,465,839, Mar. 29.
- Waste fitting. L. Bloch. 2,464,018, Mar. 8.
- Waste trap. A. Gordon. 2,464,976, Mar. 22.
- Watch. E. Piquerez. 2,467,050, Apr. 12.
- Watch crown, Waterproof. C. B. Greenberg. 2,479,348, Aug. 16.
- Watch crown, Waterproof. C. B. Greenberg. 2,482,583, Sept. 20.
- Watch hand remover. H. E. Thomas. 2,464,105, Mar. 8.
- Watch heater. H. E. Handley. 2,487,705, Nov. 8.
- Watch movement. H. Jeanneret. 2,464,316, Mar. 15.
- Watch movement holder. M. F. Clay. 2,460,679, Feb. 1.
- Watch movement holder. D. Franks, and M. Shapiro. 2,471,103, May 24.
- Watch opening tool. D. Franks and M. Shapiro. 2,480,565, Aug. 30.
- Watch setting means, Waterproof. L. H. Brown. 2,462,839, Mar. 1.
- Watch, Watertight. H. E. Rosen. 2,463,315, Mar. 1.
- Watchcase. H. E. Vermont. 2,467,062, Apr. 12.
- Watchcase and bracelet, Combined. E. P. Tyler. 2,472,351, June 7.
- Watchmaker's hand clamping tool. O. A. Bettum. 2,480,696, Aug. 30.
- Water and gaseous fluid stratas in well bores, Locating. H. J. Eastman. 2,480,720, Aug. 30.
- Water closet. R. A. Park. 2,458,096, Jan. 4.
- Water control, Thermostatic. A. Plett. 2,463,640, Mar. 8.
- Water-cooled fluid fuel burner. H. S. Cress. 2,491,955, Dec. 20.
- Water-cooled grinding wheel. J. A. Harrington. 2,470,350, May 17.
- Water-cooled slab mold. F. J. Hudak. 2,477,060, July 26.
- Water cooler. R. W. Hastings. 2,481,662, Sept. 13.
- Water-cooling system for internal-combustion engines and the like. L. Hathaway. 2,470,982, May 24.
- Water correction device, Electrolytic. E. M. Butler. 2,469,680, May 10.
- Water dispersible coating vehicle. G. E. Eilerman. 2,462,618, Feb. 22.
- Water-dispersible material throughout thermoplastic polymers, Distribution of. J. A. Connell. 2,480,821, Sept. 6.
- Water filter. P. L. Boucher. 2,462,604, Feb. 22.
- Water filter carrying case. D. H. Quinn. 2,474,322, June 28.
- Water gas, Manufacture of. H. V. Atwell. 2,461,021, Feb. 8.
- Water gas, Making. G. R. Steere. 2,471,791, May 31.
- Water gauge. C. M. Angel and R. A. Culbertson. 2,484,329, Oct. 11.
- Water heater. R. I. Gaines. 2,479,042, Aug. 16.
- Water heater. C. D. Jones. 2,480,657, Aug. 30.
- Water heater. J. F. Mustee. 2,492,104, Dec. 20.
- Water heater. W. T. Riley. 2,478,836, Aug. 9.
- Water heater. R. C. Sala. 2,467,156, Apr. 12.
- Water heater. R. Shields. 2,466,488, Apr. 5.
- Water heater. H. C. Wobser and R. A. Monahan. 2,492,253, Dec. 27.
- Water-heating system, Electric. E. Lijoi. 2,472,713, June 7.
- Water injection system. J. Dolza, M. A. Trisler, and C. R. Paton. 2,491,484, Dec. 20.
- Water jet propulsion internal-combustion engine. C. Stafford and F. Reed. 2,463,820, Mar. 8.
- Waterproof clip. J. E. Pool. 2,477,650, Aug. 2.
- Waterproof flashlight switch. J. A. and J. P. Gits. 2,466,414, Apr. 5.
- Waterproof shipping container. H. J. Grampp. 2,461,209, Feb. 8.
- Waterproofing textiles with zincyl compounds. H. L. Van Mater. 2,482,816, Sept. 27.
- Water pump. T. H. Muhl. 2,480,417, Aug. 30.
- Water purifier, Electrolytic. T. C. Jones. 2,461,325, Feb. 8.
- Water purifying filter aid. C. A. Frankenhoff. 2,468,189, Apr. 26.
- Water softener. J. V. Barnes. 2,462,154, Feb. 22.
- Water softener. M. Gambill. 2,474,145, June 21.
- Water-soluble phthalocyanines containing quaternary or ternary salt groups and synthesis thereof. N. H. Had-dock and C. Wood. 2,464,806, Mar. 22.

- Water spot prevention in photographic film. R. W. Henn and J. I. Crabtree. 2,490,760, Dec. 6.
- Water still, Portable. E. S. Clemens. 2,475,481, July 5.
- Water supplies, Clarification of. C. A. Frankenhoff. 2,468,188, Apr. 26.
- Water tank and truck body, Combination. O. Colquitt. 2,474,094, June 21.
- Watertight cabinet joint. J. Stanitz. 2,464,160, Mar. 8.
- Water treating apparatus. M. P. Robinson. 2,483,672, Oct. 4.
- Water treating apparatus. J. F. Sebald. 2,460,036, Jan. 25.
- Water treating apparatus. J. F. Sebald. 2,464,617, Mar. 15.
- Water treating composition and producing same, Agglomerated. J. E. Moose. 2,477,492, July 26.
- Water treating device. C. H. Morrow. 2,462,886, Mar. 1.
- Water treating equipment, Base exchange. C. Hungerford, Jr., and J. G. Reutter. 2,460,011, Jan. 25.
- Water treating plant. J. C. King. 2,467,433, Apr. 19.
- Water, Treatment of. W. G. Prescott, E. I. Akeroyd, and E. L. Holmes. 2,472,616, June 7.
- Water, Treatment of steam boiler. R. E. Hall. 2,476,598, July 19.
- Waterer, Pressure poultry. J. B. Olson. 2,477,138, July 26.
- Watering device, Livestock. A. H. Hemker. 2,479,355, Aug. 16.
- Watering machine. R. C. Hart and J. A. Bittel. 2,475,388, July 5.
- Watering system, Poultry. S. M. Levine. 2,492,806, Dec. 27.
- Wattmeter, Microwave. H. E. Webber. 2,473,495, June 14.
- Wattmeter, Rectifier bridge type. J. N. de Gruchy. 2,492,556, Dec. 27.
- Wattmeter, Thermometric. H. E. Webber. 2,464,277, Mar. 15.
- Wave analysis. R. K. Potter. 2,463,642, Mar. 8.
- Wave generating method and means, Electronic. R. M. Fraser. 2,469,227, May 3.
- Waveguide. H. C. Early. 2,479,220, Aug. 16.
- Wave guide and resonator, Radiating electromagnetic. W. W. Hansen. 2,489,288, Nov. 29.
- Wave guide switching, Resonant. W. F. Kannenberg. 2,466,439, Apr. 5.
- Wave heater. J. E. Hill and T. M. Ambler. 2,474,147, June 21.
- Wave length control of wave energy. "R" L. Hollingsworth. 2,480,820, Aug. 30.
- Wave length meter. R. G. White. 2,467,104, Apr. 12.
- Wave length modulation. L. E. Norton. 2,479,859, Aug. 23.
- Wave length modulation. G. L. Usselman. 2,459,557, Jan. 18.
- Wavemeter to calibrate panoramic receivers. L. F. Jaggi. 2,471,432, May 31.
- Wave shaper, Modulated. D. R. Goddard. 2,468,624, Apr. 26.
- Wave-signal amplitude-limiting system. W. J. Gruen. 2,485,731, Oct. 25.
- Wave-signal apparatus, Frequency-stabilized. A. E. Hayes, Jr. 2,461,642, Feb. 15.
- Wave-signal receiver, including a disabling arrangement. J. J. Okrent. 2,467,564, Apr. 19.
- Wave signaling, Wave length modulated. C. W. Hansell. 2,465,448, Mar. 29.
- Wave translating device, Compressional. A. C. Keller. 2,466,112, Apr. 5.
- Wave translating system. M. E. Mohr. 2,469,837, May 10.
- Wave translator, Microwave-acoustic. W. D. Hershberger. 2,483,768, Oct. 4.
- Waving hair, Method of and apparatus for. A. E. Bronson and L. S. Speth. 2,473,135, June 14.
- Wax applicator, Self-feeding paste floor. W. S. Gallagher. 2,474,733, June 28.
- Wax-coating produce. K. H. Recker. 2,464,529, Mar. 15.
- Wax emulsions and preparation, Lusterless. A. E. Budner, A. F. Buckman, Jr., and E. Spurgat. 2,483,259, Sept. 27.
- Wax esters of hydrocarbon sulfonates, Producing. E. Lieber and A. F. Cashman. 2,459,440, Jan. 18.
- Wax from oil, Separating. P. S. Backlund and B. M. Beildeck. 2,463,845, Mar. 8.
- Wax injection apparatus. S. Lipson, H. Rosenthal, and H. Markus. 2,462,113, Feb. 22.
- Wax-polyamide-pine resin coating composition. K. W. Fries. 2,469,108, May 3.
- Wax-polystyrene composition, Chlorinated. L. H. Dimpfl and W. E. Elwell. 2,469,107, May 3.
- Wax refining, Sugar cane. O. J. Swenson. 2,464,189, Mar. 8.
- Wax separation. I. E. Pattillo. 2,484,728, Oct. 11.
- Wax sizing paper making fibers using a cationic surface active agent. L. R. Sherman. 2,487,899, Nov. 15.
- Wax slabbing apparatus. C. F. Eaton. 2,476,710, July 19.
- Wax-substituted diaryl dithiophosphoric acids and salts thereof. J. J. Giammaria. 2,476,037, July 12.
- Waxer, Floor. C. J. Williams, Jr. 2,477,777, Aug. 2.
- Waxing and polishing device, Floor. J. Gordon. 2,472,895, June 14.
- Waxing device, Floor. J. Gordon. 2,491,856, Dec. 20.
- Waxing device, Floor. K. M. Polson. 2,470,837, May 24.
- Weapon, Rocket type. R. B. Staver. 2,490,101, Dec. 6.
- Wear face to backing connection for crusher plates, Deformable. A. J. Roubal. 2,465,607, Mar. 29.
- Wear indicating attachment for drilling bits. F. F. Lewis. 2,461,164, Feb. 8.
- Wear member for tension devices, Detachable. J. Turcotte. 2,480,344, Aug. 30.
- Wearing apparel, Electrically heated. G. Van Daam. 2,458,119, Jan. 4.
- Weatherproof dispenser. E. Agamaite, Jr. 2,484,797, Oct. 11.
- Weather resistant composition. P. T. Gidley. 2,474,309, June 28.
- Weather strip. F. R. Anderson. 2,474,409, June 28.
- Weather stripping. C. B. Doty. 2,466,935, Apr. 12.
- Weather strips, Making. L. Spraragen. 2,459,120, Jan. 11.
- Weaving device, Hand. H. Epstein. 2,463,365, Mar. 1.
- Weaving in looms comprising a pattern device. A. Lanz. 2,465,689, Mar. 29.
- Weaving machine. F. R. Clark. 2,480,395, Aug. 30.
- Weaving textile containers. A. Wallwork. 2,471,380, May 24.
- Web and producing same, Unwoven filamentary. H. L. Hoover. 2,473,528, June 21.
- Web, Dual-toned metallic-coated. J. A. Bicknell. 2,479,094, Aug. 16.
- Web feeding and cutting machine. H. A. Perkins. 2,471,447, May 31.
- Web feeding apparatus for collating machines. R. W. Ritzert. 2,465,267, Mar. 22.
- Web material, Abrasive. J. A. Williamson. 2,468,853, May 3.
- Web material, Method and apparatus for drying. A. G. Gautreau. 2,462,380, Feb. 22.
- Web severing method and apparatus. J. T. Weyenberg. 2,461,246, Feb. 8.
- Wedge, Adjustable lock. J. Lazar. 2,460,643, Feb. 1.
- Wedge locked, sliding side jaw wrench. E. L. L. Österdahl. 2,472,338, June 7.
- Wedge, Optical light. T. W. Sukumlyn. 2,472,991, June 14.
- Wedging machine, Armature. H. L. Williams and G. W. McLean. 2,492,911, Dec. 27.
- Weed eradicating attachment for lawn mowers. J. B. Mangan. 2,465,543, Mar. 29.
- Weed eradicating machine. W. Klein and J. Jaros. 2,473,330, June 7.
- Weed killer, Electrical. G. M. Baker. 2,484,443, Oct. 11.
- Weed puller. R. N. Dobie. 2,492,035, Dec. 20.
- Weed puller. W. Stegeman. 2,465,129, Mar. 22.
- Weeder. R. W. Doeg. 2,472,941, June 14.
- Weeder for potato harvesters and the like. A. Stauffer. 2,492,600, Dec. 27.
- Weeder with weed stripper. L. S. Rink. 2,470,900, May 24.
- Weeding device. L. S. Rink. 2,470,899, May 24.
- Weft detecting mechanism for drop box looms, Electric. C. P. Bergstrom and V. F. Sepavich. 2,485,134, Oct. 18.
- Weft straightener, Photoelectric. G. B. Dunn. 2,492,737, Dec. 27.
- Weft-straightening apparatus. J. D. Robertson. 2,461,084, Feb. 8.
- Weft tension take-up for looms. H. B. Gosnell. 2,482,975, Sept. 27.
- Weigher and assorter, Pneumatically operated. F. L. Rupley. 2,488,037, Nov. 15.
- Weighing and sorting machine, Automatic. W. F. Altenpohl. 2,471,711, May 31.
- Weighing apparatus. H. L. Fate. 2,467,300, Apr. 12.
- Weighing apparatus, Electric. A. L. Thurston. 2,488,349, Nov. 15.
- Weighing apparatus, Electrical load. A. C. Ruge. 2,472,047, May 31.
- Weighing device. G. R. Eckstein. 2,478,381, Aug. 9.
- Weighing device, M. Kniazuk and F. R. Prediger. 2,489,899, Nov. 29.
- Weighing device, Electric load. A. C. Ruge. 2,488,348, Nov. 15.
- Weighing device, Hydraulic jack. J. N. Baker. 2,477,854, Aug. 2.
- Weighing device, Load. A. C. Ruge. 2,458,481, Jan. 4.
- Weighing device with bag filling and bag vibrating means. E. W. Vredenburg. 2,458,228, Jan. 4.
- Weighing machine, Automatic. L. R. Muskat. 2,491,056, Dec. 13.
- Weighing system, Fluid. H. A. Adams and M. Eichberger. 2,472,689, June 7.
- Weight arm for testing machines. D. C. Scott and F. A. Valentine. 2,480,779, Aug. 30.
- Weight-carrying cable. A. Arutunoff. 2,463,590, Mar. 8.
- Weight for golf club heads, Adjustable. C. W. Bigler. 2,460,445, Feb. 1.
- Weight lifting and moving mechanism. E. McDowell. 2,467,843, Apr. 19.
- Weight mechanism for mechanical vibrating screens and the like, Variable unbalanced. O. R. Strawn. 2,481,174, Sept. 6.
- Weight-operated air pump. C. Coté. 2,471,673, May 31.

- Weight, Releasable. S. E. Robbins and F. L. Larson. 2,459,287, Jan. 18.
- Weight, Releasable casting. H. L. Oliver and M. B. Anderson. 2,460,526, Feb. 1.
- Weight, Shuffleboard. P. Kotler. 2,467,043, Apr. 12.
- Weight, Wheel balance. L. K. Simpson. 2,469,997, May 10.
- Weighted pivoted sign. L. C. Capper. 2,467,187, Apr. 12.
- Weighted relief valve. C. W. Abercrombie. 2,467,716, Apr. 19.
- Weighting and unweighting device for drafting rolls. H. J. Woods. 2,492,082, Dec. 20.
- Weld and weld rod. F. K. Bloom. 2,481,385-6, Sept. 6.
- Weldrod, Coated. E. C. Rollason. 2,460,537, Feb. 1.
- Weld rod, Coated. E. C. Rollason. 2,461,180, Feb. 8.
- Weld rod holder. J. J. O'Donnell. 2,490,153, Dec. 6.
- Welded articles, Making composite. R. E. Duce. 2,468,816, May 3.
- Welded coupling. W. W. Vander Clute. 2,463,006, Mar. 1.
- Welded motor frame. W. J. Oesterlein. 2,462,765, Feb. 22.
- Welded structure and assembling same. E. A. Parmann. 2,473,660, June 21.
- Welder, Alternating current vertical. E. A. Hobart and R. T. Flora. 2,490,871, Dec. 13.
- Welder and power plant, Combined. E. A. Hobart. 2,476,373, July 19.
- Welder and the like, Cyclic electric. G. J. Lexa. 2,476,882, July 19.
- Welder, Electric resistance. G. B. Martin and B. D. Berger. 2,460,759, Feb. 1.
- Welder, Large throat portable. H. C. Early and W. G. Dow. 2,491,169, Dec. 13.
- Welder, Plasticity responsive. I. W. Cox and L. D. Drugmand. 2,472,368, June 7.
- Welder, Portable. E. W. Forkner. 2,471,029, May 24.
- Welder, Portable spot. G. J. Kauder. 2,465,879-80, Mar. 29.
- Welder, Semiautomatic. P. H. Setzler. 2,481,163, Sept. 6.
- Welder's clamp. F. P. Hopfield. 2,461,687, Feb. 15.
- Welding. R. D. Thomas and G. F. Comstock. 2,464,836, Mar. 22.
- Welding apparatus. F. C. Beyer and C. E. Jackson. 2,472,803, June 14.
- Welding apparatus. H. Chanowitz. 2,460,807, Feb. 8.
- Welding apparatus. T. W. Griffiths. 2,459,812, Jan. 25.
- Welding apparatus. H. J. Kerr, O. R. Carpenter, F. W. Armstrong, Jr. and N. C. Jessen. 2,480,863, Sept. 6.
- Welding apparatus. C. F. Leathers. 2,467,321, Apr. 12.
- Welding apparatus. C. P. Nielsen. 2,459,577, Jan. 18.
- Welding apparatus. L. R. O'Neill. 2,467,628, Apr. 19.
- Welding apparatus. S. Schneider. 2,462,561, Feb. 22.
- Welding apparatus. H. M. Talley. 2,474,075, June 21.
- Welding apparatus. V. N. Tramontini. 2,474,129, June 21.
- Welding apparatus. E. R. Workman. 2,485,229, Oct. 18.
- Welding apparatus and process, Automatic electric fusion. J. A. Kratz and H. G. Thoma. 2,460,990, Feb. 8.
- Welding apparatus, Arc. K. N. Fromm. 2,482,473, Sept. 20.
- Welding apparatus, Arc. E. F. Potter. 2,478,636, Aug. 9.
- Welding apparatus, Automatic. J. M. Tyrner. 2,480,311, Aug. 30.
- Welding apparatus, Electric. A. C. Fletcher and D. Lloyd. 2,464,679, Mar. 15.
- Welding apparatus, Electric. B. H. Lepine-Williams. 2,481,317, Sept. 6.
- Welding apparatus, Electric. C. W. Redekopp. 2,484,959, Oct. 18.
- Welding apparatus, Electric arc stud. A. R. Ainsworth. 2,479,092, Aug. 16.
- Welding apparatus, Resistance. P. Cahen and G. A. M. Lutz. 2,466,761, Apr. 12.
- Welding apparatus, Spot. M. Beymer. 2,462,458, Feb. 22.
- Welding apparatus, Spot. R. A. Shields. 2,486,331, Oct. 25.
- Welding apparatus, Stud. K. F. Barlow. 2,467,723, Apr. 19.
- Welding box sections, Electrically. E. Almdale. 2,467,516, Apr. 19.
- Welding bung-reinforcing structures for barrels. L. H. Conger, Jr. 2,476,826, July 19.
- Welding by induction heating. W. M. Roberds. 2,478,640, Aug. 9.
- Welding can lock seams with high-frequency current. A. Vang. 2,484,973, Oct. 18.
- Welding composite metal reelheads, Electrically. A. A. Bureau. 2,458,340, Jan. 4.
- Welding device. M. J. Manning. 2,470,074, May 10.
- Welding device, Portable. M. J. Manning and P. F. Eisen. 2,471,881, May 31.
- Welding device, Portable. H. A. Schlatter. 2,467,536, Apr. 19.
- Welding device, Three-phase. D. Sciaky. 2,474,866, July 5.
- Welding, Electric. H. S. Holmes. 2,481,219, Sept. 6.
- Welding electrode. H. A. Johnson. 2,492,578, Dec. 27.
- Welding electrode. F. G. Marbach. 2,474,788, June 28.
- Welding electrode. R. E. Powell. 2,472,173, June 7.
- Welding electrode. G. W. Woods. 2,465,503, Mar. 29.
- Welding electrode and holder, Resistance. N. A. Tucker. 2,475,209, July 5.
- Welding electrode holder. D. M. Schwartz and W. B. McLean. 2,481,952, Sept. 13.
- Welding electrode holder. C. W. Taber. 2,472,177, June 7.
- Welding electrode holder. N. A. Tucker. 2,489,992, Nov. 29.
- Welding electrode holder. B. M. v. Amelsvoort. 2,486,092, Oct. 25.
- Welding electrode holder switch. S. M. Harvey. 2,468,873, May 3.
- Welding electrode with coolant tube, Offset resistance. A. F. Wood. 2,489,993, Nov. 29.
- Welding equipment. C. T. Gayley. 2,469,332, May 10.
- Welding finned tubes, Resistance. J. W. Brown, Jr. 2,483,454, Oct. 4.
- Welding fins to tubular members by electric resistance welding. J. W. Brown, Jr. 2,473,633, June 21.
- Welding flux. F. A. Fox and E. F. Emley. 2,464,925, Mar. 22.
- Welding flux. K. H. Koopman. 2,460,988, Feb. 8.
- Welding generator safety circuit. H. J. Graham. 2,486,274, Oct. 25.
- Welding gun adapter. J. P. Cutrer. 2,478,525, Aug. 9.
- Welding gun, Portable spot. J. J. Panik. 2,464,054, Mar. 8.
- Welding machine. G. M. Dinnick. 2,464,967, Mar. 22.
- Welding machine. B. H. Forssmark and L. M. Headley. 2,486,592, Nov. 1.
- Welding machine and control means therefor, Electric. I. W. Cox and L. D. Drugmand. 2,477,117, July 26.
- Welding machine, Automatic. W. E. Smith. 2,466,497, Apr. 5.
- Welding machine, Bank strip. W. F. Smith. 2,474,285, June 28.
- Welding machine, Box. R. S. Cutright. 2,469,815, May 10.
- Welding machine, Electric. L. J. Gottschalk. 2,470,552, May 17.
- Welding machine, Pressure. E. J. Opitz. 2,482,023, Sept. 13.
- Welding machine, Side seam container electric. W. P. Winters. 2,484,868, Oct. 18.
- Welding materials and processes. C. A. Cadwell. 2,464,210, Mar. 15.
- Welding mechanism. R. L. Briggs. 2,474,816, July 5.
- Welding mechanism. J. D. Gordon. 2,476,187, July 12.
- Welding mechanism. F. H. Johnson. 2,465,456, Mar. 29.
- Welding mechanism. F. H. Johnson. 2,481,844, Sept. 13.
- Welding mechanism, Multipoint spot. H. B. Putnam. 2,474,593, June 28.
- Welding metal stud-like articles to metal plate-like bodies, Electric. H. Martin. 2,462,882, Mar. 1.
- Welding metallic tips to bases. N. A. Tucker and J. E. Wall. 2,489,994, Nov. 29.
- Welding method and apparatus. H. Chanowitz. 2,479,556, Aug. 23.
- Welding, Method and apparatus for flash butt. J. H. Cooper and C. E. Smith. 2,488,899, Nov. 22.
- Welding method, Electric resistance. J. W. Brown, Jr. 2,473,634, June 21.
- Welding method, Electric resistance. O. Welsh. 2,473,668, June 21.
- Welding of aluminum, Method and apparatus for resistance. E. W. Schilling and A. M. Bramblett. 2,469,897, May 10.
- Welding of metal strip, Electric. D. Ross. 2,488,101, Nov. 15.
- Welding of metal stubs to metal plates. B. Martia. 2,475,907, July 12.
- Welding or brazing flux composition. R. Wassermann. 2,481,053, Sept. 6.
- Welding percussive. W. J. Trott. 2,485,790, Oct. 25.
- Welding pipe, Method and apparatus for. R. E. Risley and P. B. Scharf. 2,463,907, Mar. 8.
- Welding plate and propeller blade construction. A. W. Steinberger. 2,466,562, Apr. 5.
- Welding plowshares, Electrically. W. W. Hudson. 2,467,311, Apr. 12.
- Welding, Resistance. P. E. Brunberg. 2,492,551, Dec. 27.
- Welding system. J. W. Dawson. 2,459,796, Jan. 25.
- Welding system. J. W. Dawson. 2,473,576, June 21.
- Welding system. J. W. Dawson. 2,477,582, Aug. 2.
- Welding system. J. H. England. 2,459,153-4, Jan. 18.
- Welding system. H. J. Graham. 2,467,379, Apr. 19.
- Welding system. C. E. Smith. 2,477,211, July 26.
- Welding system. A. B. White. 2,470,668, May 17.
- Welding system, Arc. G. G. Landis and N. J. Hoenie. 2,465,596, Mar. 29.
- Welding system, Condenser. J. W. Dawson. 2,483,391, Oct. 4.
- Welding system, Condenser. H. Klemperer. 2,472,110, June 7.
- Welding system, Condenser. H. Klemperer. 2,473,790, June 21.
- Welding system, Condenser. H. Klemperer. 2,477,622, Aug. 2.
- Welding system, Electric stored energy resistance. A. Vang. 2,473,772, June 21.
- Welding system, Resistance. J. W. Dawson. 2,472,095, June 7.

- Welding system, Resistance. J. W. Dawson. 2,473,575, June 21.
- Welding together metal strip ends. W. F. Copp. 2,459,625, Jan. 18.
- Welding torch attachment. E. C. Johnson. 2,483,545, Oct. 4.
- Welding using partially sheared out projections, Resistance. J. W. Kehoe and J. B. Dym. 2,462,199, Feb. 22.
- Welding wire. A. M. Ross. 2,464,186, Mar. 8.
- Welding with a fusible trough to support the comminuted mineral composition above the bottom of the welding zone, Blanketed electric. F. Rothe. 2,459,242, Jan. 18.
- Well cementing apparatus. F. H. Lee. 2,467,835, Apr. 19.
- Well device. C. E. Costello. 2,466,305, Apr. 5.
- Well-drilling apparatus. R. J. Gill. 2,481,009, Sept. 6.
- Well-drilling tool. T. A. Creighton. 2,488,003, Nov. 15.
- Well flow device. L. L. Hartman. 2,478,483, Aug. 9.
- Well flowing. W. C. Carlisle and P. R. Mills. 2,465,060, Mar. 22.
- Wellhead. G. A. Humason. 2,475,429, July 5.
- Well head assembly. A. J. Penick. 2,481,035, Sept. 6.
- Well head construction. J. E. Edwards. 2,481,732, Sept. 13.
- Well head equipment. J. Lemley, E. F. Hill and R. A. Mueller. 2,485,497, Oct. 18.
- Well logging. F. W. Albaugh. 2,463,733, Mar. 8.
- Well logging. L. G. Howell. 2,474,581, June 28.
- Well logging method, Radio activity. G. Herzog. 2,458,596, Jan. 11.
- Well logging, Radiological. G. Herzog. 2,475,137, July 5.
- Well manometer, Multiple. A. A. Hejduk. 2,483,384, Sept. 27.
- Well packer. W. H. Griffin and T. M. Ragan. 2,467,822, Apr. 19.
- Well packer. C. M. King. 2,467,833, Apr. 19.
- Well packer, Hydraulically set. R. C. Baker. 2,467,801, Apr. 19.
- Well point, Automatic. T. F. Moore, E. J. Moore, and M. M. Dacy. 2,474,364, June 28.
- Well reaming tool. W. F. Lake. 2,472,749, June 7.
- Well screen. K. E. Moehrl. 2,487,888, Nov. 15.
- Wells, Treatment of. G. G. Wrightsman. 2,490,291, Dec. 6.
- Welt and making the same. A. F. White. 2,477,532, July 26.
- Welt-cutting machine. I. Kirsch and R. Korenman. 2,485,449, Oct. 18.
- Welt shoe press. E. F. Small. 2,465,612, Mar. 29.
- Wernicke prism spectrometers and improved liquids therefor. R. F. Stamm. 2,483,244, Sept. 27.
- Wetting agent. H. G. Figdor. 2,471,945, May 31.
- Wetting agents. R. L. Smith, D. J. Crowley, and P. G. Waldo. 2,463,497, Mar. 1.
- Whaling harpoon. M. M. Marcus. 2,464,048, Mar. 8.
- Wheat, rye, and other cereals, and bran, Treatment of. C. H. Evans. 2,478,043, Aug. 2.
- Wheel: See—
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| Abrasive wheel. | Motor wheel. |
| Adjustable steering wheel. | Polishing wheel. |
| Air-cooled buffing wheel. | Resilient car wheel. |
| Airplane control wheel. | Resilient wheel. |
| Bladed wheel. | Retractable nose wheel. |
| Blower wheel. | Reversible wheel. |
| Buffing wheel. | Roller skate wheel. |
| Cushion vehicle wheel. | Sand wheel. |
| Detachable wheel. | Shock-absorbing wheel. |
| Diamond abrasive wheel. | Silent car wheel. |
| Fifth wheel. | Spring wheel. |
| Flexible steering wheel. | Steerable tail wheel. |
| Fluid wheel. | Turbine wheel. |
| Grinding wheel. | Vehicle road wheel. |
| Helm wheel. | Vehicle wheel. |
| Lawn mower wheel. | Water-cooled grinding wheel. |
| Monorail wheel. | Wind wheel. |
| Motor-containing wheel. | |
- Wheel. F. F. Hartman. 2,489,179, Nov. 22.
- Wheel. E. Kostka. 2,461,742, Feb. 15.
- Wheel. S. A. Malthaner. 2,486,569, Nov. 1.
- Wheel. C. W. Sinclair. 2,484,533, Oct. 11.
- Wheel adapter. H. Harper. 2,489,376, Nov. 29.
- Wheel and axle assembly, Adjustable. E. V. Bunting. 2,458,249, Jan. 4.
- Wheel and making the same, Abrasive. E. Meyer. 2,469,398, May 10.
- Wheel and sprocket assembly, Rear. T. G. Hare. 2,479,162, Aug. 16.
- Wheel and steering apparatus for wagons, Front. C. L. Blackburn. 2,470,971, May 24.
- Wheel and tire applying device. G. F. Brown. 2,470,685, May 17.
- Wheel and tire assembly. G. A. Handy. 2,488,864, Nov. 22.
- Wheel arrangement and suspension device therefor, Multiple. P. J. M. T. Allard. 2,479,893, Aug. 23.
- Wheel assembly, Dual. H. W. Alden. 2,482,824, Sept. 27.
- Wheel assembly, Dual. C. P. Tolman. 2,459,347, Jan. 18.
- Wheel assembly, Roller skate. E. Balstad. 2,466,070, Apr. 5.
- Wheel attachment for luggage. G. Kanaley. 2,463,391, Mar. 1.
- Wheel attachment for transporting vehicles. W. H. Sempe. 2,479,421, Aug. 16.
- Wheel balancing apparatus. J. Graves. 2,478,477, Aug. 9.
- Wheel balancing apparatus, Static. G. H. Howard. 2,462,266, Feb. 22.
- Wheel balancing machine. L. C. Currier. 2,461,591, Feb. 15.
- Wheel balancing weights, Making. G. A. Lyon. 2,459,568, Jan. 18.
- Wheelbarrow. R. A. Popplewell. 2,462,424, Feb. 22.
- Wheelbarrow, Collapsible. E. W. Murphey. 2,465,112, Mar. 22.
- Wheelbarrow, Foldable. J. J. Toth. 2,471,462, May 31.
- Wheelbarrow with steering device. J. A. La Riviere. 2,492,157, Dec. 27.
- Wheel bearing structure, Mine car. E. Ramsay. 2,465,479, Mar. 29.
- Wheel block. J. C. Auten. 2,481,065, Sept. 6.
- Wheel brake for retracted landing gears. A. B. Linscott. 2,476,610, July 19.
- Wheel center, Locomotive driving. O. C. Peterson. 2,488,877, Nov. 22.
- Wheel chock. K. H. Lind. 2,491,989, Dec. 20.
- Wheel clamp. H. T. Jones. 2,484,169, Oct. 11.
- Wheel construction for amphibious vehicles. E. Porter. 2,479,134, Aug. 16.
- Wheel cover. G. A. Lyon. Re. 23,075, Jan. 11.
- Wheel cover. G. A. Lyon. 2,458,490-2, Jan. 4.
- Wheel cover. G. A. Lyon. 2,459,569, Jan. 18.
- Wheel cover. G. A. Lyon. 2,460,784, Feb. 1.
- Wheel cover. G. A. Lyon. 2,478,930, Aug. 16.
- Wheel cover. G. A. Lyon. 2,491,502-6, Dec. 20.
- Wheel dresser, Threaded abrasive. F. A. Lohutko. 2,482,785, Sept. 27.
- Wheel dressing mechanism, Grinding. S. P. Bruce. 2,468,921, May 3.
- Wheel dressing mechanism, Pattern controlled grinding. F. A. Barnes. 2,469,255, May 3.
- Wheel drive suspension, Individual. E. Ennis. 2,475,487, July 5.
- Wheel flange lubricator. H. R. Whiting. 2,489,442, Nov. 29.
- Wheel for airplanes, Tail. H. T. Kraft. 2,477,754, Aug. 2.
- Wheel for motor vehicles or the like, Auxiliary. E. Craig. 2,483,574, Oct. 4.
- Wheel for motor vehicles, Steering. F. Den. 2,459,797, Jan. 25.
- Wheel for roller skates and the like. E. S. Marsh. 2,485,304, Oct. 18.
- Wheel for tractors or the like, Traction. N. E. Rohan. 2,488,831, Nov. 22.
- Wheel for vehicles, Auxiliary. F. F. Callan. 2,478,653, Aug. 9.
- Wheel hub cap structure. G. A. Lyon. 2,459,890, Jan. 25.
- Wheel mounting. W. F. Herold. 2,487,134, Nov. 8.
- Wheel of the load-suspension type, Laterally stabilized. H. W. Walden. 2,463,226, Mar. 1.
- Wheel press. C. L. Rader. 2,489,815, Nov. 29.
- Wheel rotating device. G. L. Koval. 2,464,872, Mar. 22.
- Wheel section, Buffing. A. R. Glancy. 2,480,409, Aug. 30.
- Wheel setting means, Register. F. J. Rouan and W. J. Hanson. 2,491,214, Dec. 13.
- Wheel setting mechanism, Frice. O. Wild, Jr. 2,461,488, Feb. 8.
- Wheel slide control device. W. M. Keller. 2,491,666, Dec. 20.
- Wheel step-up device, Ratchet. B. W. Williams. 2,467,574, Apr. 19.
- Wheel stop. S. W. Hayes. Re. 23,180, Dec. 6.
- Wheel structure. G. A. Lyon. 2,491,501, Dec. 20.
- Wheel structure, Resilient. J. M. MacLean. 2,491,746, Dec. 20.
- Wheel structure, Skate. E. F. Martinec. 2,467,437, Apr. 19.
- Wheel support. J. Wojtech, Jr. 2,490,184, Dec. 6.
- Wheel support and carrier attachment for transporting boats. M. E. Iorns. 2,484,346, Oct. 11.
- Wheel suspension. E. W. Börjeson. Re. 23,147, Sept. 20.
- Wheel suspension. O. W. Inskeep. 2,465,098, Mar. 22.
- Wheel suspension. D. Roeder and W. J. McClenahan. 2,477,090, July 26.
- Wheel suspension. R. C. Wallace. 2,466,832, Apr. 12.
- Wheel suspension, Independent front. G. D. Rowland and H. J. Morris. 2,469,244, May 3.
- Wheel unit, Dual axle. H. B. Van Raden. 2,481,891, Sept. 13.
- Wheel with flexible resilient rim, Abrasive. M. E. Landau. 2,466,030, Apr. 5.
- Wheel with resilient spokes. E. H. Piron. 2,470,640, May 17.
- Wheel with rubber tires, Metallic. F. Roux. 2,464,348, Mar. 15.
- Wheeled carrier. E. K. Fosbender. 2,473,873, June 21.
- Wheeled carrier. W. M. Grant. 2,482,848, Sept. 27.
- Wheeled golf bag carrier. Z. C. Birnberg. 2,467,076, Apr. 12.
- Wheeled traveling bag. M. Partiot. 2,463,713, Mar. 8.
- Wheels for endless track vehicles and mounting same. B. A. Swennes, L. E. Shelton, and C. E. Swenson. 2,459,975, Jan. 25.
- Wheels, Making buffing. S. C. Mockiewicz. 2,489,193, Nov. 22.
- Wheels, Manufacture of abrasive. W. R. Pratt. 2,467,596, Apr. 19.

- Wheels, Method of and apparatus for making impeller. C. B. De Vlieg. 2,480,807, Aug. 30.
- Wheels to shafts, Attaching. W. W. Hamill and R. S. Crump. 2,472,421, June 7.
- Whey food products, Making. R. E. Meade and J. M. Stringham. 2,465,905, Mar. 29.
- Whipping composition and the resulting product, Preparation of. R. S. Burnett and J. K. Gunther. 2,489,173, Nov. 22.
- Whipping machine. F. S. Nanna. 2,471,769, May 31.
- Whistle, Musical. V. R. Kimple. 2,463,630, Mar. 8.
- Wick, Capillarity controlled. J. D. Rust. 2,482,557, Sept. 20.
- Wick for candles, Colored flame producing. C. J. Marek. 2,463,988, Mar. 8.
- Wick-supporting device. C. E. Nicolet. 2,474,606, June 28.
- Width control and fabric guide, Automatic. R. E. Sollday. 2,476,070, July 12.
- Wiggler. C. W. Wickens. 2,472,639, June 7.
- Winch. H. Cohen. 2,465,199, Mar. 22.
- Winch. H. H. Washbond and O. R. Beattie. 2,471,988, May 31.
- Winch, Anchor. E. B. Thomas and C. W. Heineman. 2,463,444, Mar. 1.
- Winch clutch. O. K. Unruh. 2,464,907, Mar. 22.
- Winch control. H. S. Jacobs. 2,462,747, Feb. 22.
- Winch, Electric. S. A. Bohe. 2,467,726, Apr. 19.
- Winch power unit. J. Helstrom. 2,463,968, Mar. 8.
- Winch, Steam. H. Knutson. 2,465,594, Mar. 29.
- Windbreak. G. L. Butler and J. C. Byrne. 2,465,147, Mar. 22.
- Wind for fishing reels, Level. L. S. Elsinger. 2,461,884, Feb. 15.
- Wind gauge. A. A. Baxter. 2,487,414, Nov. 8.
- Wind gauge and weathervane. T. F. Hammond. 2,491,176, Dec. 13.
- Windmill and advertising structure. F. E. and H. G. Whisler. 2,466,787, Apr. 12.
- Wind-pressure gauge. J. P. Warren. 2,462,577, Feb. 22.
- Windrow pickup and distributing apparatus. K. L. Magee. 2,490,143, Dec. 6.
- Windrow turner. R. A. Stenzel. 2,486,766, Nov. 1.
- Windrower. W. L. Johnson. 2,486,747, Nov. 1.
- Windrower. H. L. Schwartz. 2,480,777, Aug. 30.
- Windrowing attachment for mowers. W. J. Coultas. 2,484,981, Oct. 18.
- Windshield cleaner. A. Rappl. 2,460,147, Jan. 25.
- Windshield cleaner. E. V. Schaal. 2,488,642, Nov. 22.
- Windshield construction for vehicles. D. Lelong. 2,464,696, Mar. 15.
- Windshield, Electrical heated. W. F. Gunning and E. H. Pier. 2,490,433, Dec. 6.
- Windshield mounting. T. Vigmstad. 2,479,436, Aug. 16.
- Windshield visor mounting bracket. F. E. Ellithorpe. 2,470,477, May 17.
- Windshield wiper arm, Extensible. I. Nesson. 2,466,609, Apr. 5.
- Windshield wiper control. I. E. Coffey. 2,464,847, Mar. 22.
- Windshield wiper motor. J. M. Doyle. 2,487,113, Nov. 9.
- Windsock apparatus. J. G. Findlater. 2,467,374, Apr. 19.
- Wind wheel. M. A. Rehnmann. 2,458,419, Jan. 4.
- Winder bobbin. G. A. Carlson. 2,470,212, May 17.
- Winder, Coil. L. S. Brennan. 2,472,089, June 7.
- Winder, Cord. M. L. Jurasevich. 2,486,167, Oct. 25.
- Winder, Yarn. H. Boehnke. 2,486,514, Nov. 1.
- Winding and thread treating apparatus, Bobbin. L. Roseman. 2,477,422, July 26.
- Winding apparatus, Cloth. P. G. Moore. 2,463,790, Mar. 8.
- Winding arrangement in alternating current machines. S. Gynt. 2,473,144, June 14.
- Winding coiled bodies, Method and apparatus for. E. A. Nordberg. 2,459,536, Jan. 18.
- Winding coils. J. K. Hodnette and A. D. Forbes. 2,462,191, Feb. 22.
- Winding coils. C. A. Miller. 2,479,391, Aug. 16.
- Winding device. W. J. Elvin and E. R. Stahl. 2,462,310, Feb. 22.
- Winding device for timepieces, Tight. J. A. Boninchi. 2,465,571, Mar. 29.
- Winding device for watches, Tight. E. Borer. 2,482,317, Sept. 20.
- Winding device, Level. A. J. Farrar. 2,458,065, Jan. 4.
- Winding device, Lure. J. R. Temple. 2,489,547, Nov. 29.
- Winding device or winch. W. D. Allison. 2,473,628, June 21.
- Winding, Electrical. R. L. Peek, Jr. 2,488,325, Nov. 15.
- Winding hair. E. G. McDonough and V. M. McGoldrick. 2,480,588, Aug. 30.
- Winding machine. F. A. Decker, Jr. 2,461,593, Feb. 15.
- Winding machine. J. M. England. 2,462,620, Feb. 22.
- Winding machine. E. G. Hill. 2,475,895, July 12.
- Winding machine. C. D. Jencks. 2,463,773, Mar. 8.
- Winding machine. C. D. Jencks. 2,468,109, Apr. 5.
- Winding machine. C. D. Jencks. 2,486,031, Oct. 25.
- Winding machine. C. D. Jencks and R. H. Lawson. 2,459,167, Jan. 18.
- Winding machine. R. H. Lawson. 2,466,600, Apr. 5.
- Winding machine. R. Oppenheim. 2,481,231, Feb. 8.
- Winding machine and method, Coil. J. W. Fraser and R. R. Mager. 2,463,530, Mar. 8.
- Winding machine, Armature. W. A. Goodman. 2,474,353, June 28.
- Winding machine, Armature. E. D. Green. 2,468,365, Apr. 26.
- Winding machine, Coil. G. W. Gilman, G. F. Laing, and T. B. Gibbs. 2,466,227, Apr. 5.
- Winding machine, Coil. L. E. Pamphilon. 2,474,755, June 28.
- Winding machine, Golf ball. R. Atti. 2,465,992, Apr. 5.
- Winding machine, Paper. E. W. Clem and J. P. Munton. 2,475,480, July 5.
- Winding machine, Ring. O. Wirth. 2,467,643, Apr. 19.
- Winding method and apparatus. H. J. McDermott. 2,481,031, Sept. 6.
- Winding reel. K. Nesbitt. 2,492,496, Dec. 27.
- Winding system and apparatus. R. Bouvet. 2,458,555, Jan. 11.
- Windings and leads therefor, Electric. O. E. Andrus. 2,469,099, May 3.
- Window. E. K. Geyser. 2,475,885, July 12.
- Window. L. H. Heeren. 2,482,772, Sept. 27.
- Window. P. N. Landine. 2,466,549, Apr. 5.
- Window. H. N. Renton. 2,477,942, Aug. 2.
- Window. G. H. Slook. 2,486,991, Nov. 1.
- Window. J. A. Wahle. 2,492,076, Dec. 20.
- Window and blind construction. K. W. Browning. 2,486,000, Oct. 25.
- Window assembly, Storm. L. M. Jenness. 2,458,385, Jan. 4.
- Window assembly, Ventilator. G. M. Lane and H. G. Thunder. 2,484,514, Oct. 11.
- Window awning. B. F. Bishop. 2,464,666, Mar. 15.
- Window, Awning type. M. Hoffman. 2,486,407, Nov. 1.
- Window balance, Adjustable. R. G. Johnson. 2,480,476, Aug. 30.
- Window box. L. D. Burgesser. 2,477,509, July 26.
- Window cleaning device. C. Carlstroem. 2,465,514, Mar. 29.
- Window clothesline support. R. P. McNaught. 2,472,488, June 7.
- Window construction. E. H. Eisemann. 2,463,858, Mar. 8.
- Window construction. J. Fuchsman. 2,465,583, Mar. 29.
- Window construction. E. F. Gaines and W. C. Lippert. 2,482,707, Sept. 20.
- Window construction. E. Peremi and H. Weimann. 2,473,298, June 14.
- Window construction, Bus or car. J. Schunk. 2,476,947, July 19.
- Window construction involving light-polarizing means. L. A. Werth. 2,464,954, Mar. 22.
- Window construction, Reversible. W. B. Tidwell. 2,474,126, June 21.
- Window control device. P. A. and V. Viola. 2,470,591, May 17.
- Window device. L. Vita. 2,492,721, Dec. 27.
- Window, Door construction receiving slidable. R. Cadwallader. 2,471,810, May 31.
- Window fastener. L. E. Omans. 2,483,061, Sept. 27.
- Window for automobiles, No-draft ventilating. S. C. Barnes. 2,461,955, Feb. 15.
- Window for pressure chambers. A. H. Heineman. 2,482,770, Sept. 27.
- Window frame. W. Howarth. 2,465,591, Mar. 29.
- Window guide mechanism for vehicle bodies. J. H. Roethel. 2,481,536, Sept. 13.
- Window having light excluding shutter, Container inspection. W. R. Kohl. 2,479,627, Aug. 23.
- Window, Hurricane-proof. C. De Carlo. 2,487,108, Nov. 8.
- Window lock. S. L. Beder. 2,490,197, Dec. 6.
- Window lock. R. F. Evans. 2,465,522, Mar. 29.
- Window locking means. J. Hill. 2,467,032, Apr. 12.
- Window mechanism. H. C. Richardson. 2,473,821, June 21.
- Window mounting. L. S. Greenmun. 2,479,833, Aug. 23.
- Window operating mechanism. M. J. Tracy. 2,492,508, Dec. 27.
- Window, Plastic. A. B. Dow. 2,470,921, May 24.
- Window pulley gauge. W. M. Hall. 2,458,072, Jan. 4.
- Window, Reciprocating. H. W. Hacker. 2,483,005, Sept. 27.
- Window, Safety reversible. L. I. Alperin. 2,491,792, Dec. 20.
- Window sash holder. H. Edwards and G. H. Goodemote. 2,475,131, July 5.
- Window sash lock. R. O. Britton. 2,458,559, Jan. 11.
- Window sash lock. A. E. Walton. 2,480,988, Sept. 6.
- Window sash supporting means. J. Beller. 2,490,249, Dec. 6.
- Window screen. A. E. Davis. 2,484,984, Oct. 18.
- Window screen. S. Fistor. 2,491,555, Dec. 20.
- Window screen. R. Morris. 2,488,424, Nov. 15.
- Window screen. J. Sylvan. 2,468,608, Apr. 26.
- Window shade. A. L. Thexton. 2,466,648, Apr. 5.
- Window shade bracket. G. McCormick, Jr. 2,462,525, Feb. 22.
- Window shade construction. C. G. Barrows. 2,461,870, Feb. 15.
- Window sill construction. F. Gunnison. 2,482,170, Sept. 20.
- Window structure. A. D. Carani. 2,479,602, Aug. 23.
- Window structure. G. Gargiulo. 2,478,044, Aug. 2.

- Window structure and operating mechanism therefor. S. S. Stearns. 2,478,061, Aug. 2.
- Window structure of protective devices. F. D. Huntsman. 2,461,548, Feb. 15.
- Window unit and blind construction, Combined. E. G. Fisher. 2,490,295, Dec. 6.
- Window ventilator heater. T. W. Glynn. 2,463,260, Mar. 1.
- Wine bung. T. J. Adams. 2,486,237, Oct. 25.
- Wing control for aircraft, Variable incidence. M. R. Wiley. 2,461,669, Feb. 15.
- Wing flap and aileron combination having boundary layer control, Aircraft. E. A. Stalker. 2,476,001, July 12.
- Wing for aircraft, Rotating. P. E. Renoux. 2,482,936, Sept. 27.
- Wing for aircraft, Rotating. C. R. Wilson. 2,474,079, June 21.
- Wing for aircraft, Slotted. T. Zingg. 2,464,663, Mar. 15.
- Wing for window openings, Wind deflecting. C. S. Milne. 2,477,888, Aug. 2.
- Wing machine, Rotating. R. Tarshis. 2,485,333, Oct. 18.
- Wing, Rotating. E. A. Stalker. 2,476,002, July 12.
- Wiper device for car axle journals and the like. E. Armstrong. 2,459,058, Jan. 11.
- Wiper, Magnetic windshield. R. R. Chiesa. 2,457,868, Jan. 4.
- Wiper mechanism, Windshield. R. B. Gray. 2,458,260, Jan. 4.
- Wiper mechanism with shielding means, Solder. C. S. Woolford. 2,460,327, Feb. 1.
- Wiper motor control system, Electric windshield. G. Vischulis, Jr. 2,491,697, Dec. 20.
- Wiper, Oil stick. J. Gall. 2,470,484, May 17.
- Wiping device, Eyeglass. G. S. McDonald. 2,458,015, Jan. 4.
- Wire and paper reel. J. B. Gabrielson. 2,480,461, Aug. 30.
- Wire bending machine. F. J. Horton. Re. 23,169, Nov. 22.
- Wire bound box closing tool. G. T. and H. T. Boyd. 2,459,491, Jan. 18.
- Wire conductors, Covering. J. H. Ingmanson. 2,471,752, May 31.
- Wire connection, Electric. F. A. Chiuchiolo. 2,486,115, Oct. 25.
- Wire connector. G. E. Dasher. 2,489,013, Nov. 22.
- Wire connector. I. Diamond. 2,492,690, Dec. 27.
- Wire connector. F. Pennell. 2,458,413, Jan. 4.
- Wire control, Spinning mule faller. L. C. Cain and O. P. Scott. 2,478,235, Aug. 9.
- Wire cutting and holding means, Baler. M. Ronning and K. M. Keith. 2,469,578, May 10.
- Wire dispensing container. M. H. Tuft. 2,458,318, Jan. 4.
- Wire end bending attachment for drawing blocks. C. F. Glennon. 2,485,046, Oct. 18.
- Wire engaging device, Overlapping. F. F. Melvin and J. O. Stevens. 2,476,427, July 19.
- Wire feed mechanism. R. G. Hoffert. 2,478,397, Aug. 9.
- Wire-feeding and retracting apparatus. H. J. Sketchley. 2,488,039, Nov. 15.
- Wire feeding mechanism. H. A. Imhof. 2,480,138, Aug. 30.
- Wire holding device. N. W. Crosby. 2,466,083, Apr. 5.
- Wire lapping or like machine. W. J. L. Wildbore and J. M. Keenan. 2,471,469, May 31.
- Wire laying device and method. B. B. Scott, Jr. 2,490,837, Dec. 13.
- Wire letter with fabric covering, Detachable. I. W. Fuller. 2,457,883, Jan. 4.
- Wire lock, cutter chain structure. C. J. Forbes. 2,476,852, July 19.
- Wire or cable and making, Resin covered. J. E. Brister and C. J. Burch. 2,468,165, Apr. 26.
- Wire or conduit clip. F. H. Rice. 2,466,912, Apr. 12.
- Wire recorder indicator. M. O. Petroff and W. F. Straub. 2,460,190, Jan. 25.
- Wire retaining device. L. W. Carroll. 2,468,035, Apr. 26.
- Wire rope, Lubricated. P. P. Somerville. 2,485,019, Oct. 18.
- Wire rope machine. A. Arnason. 2,485,348, Oct. 18.
- Wire rope making machine. W. T. MacCreadie. 2,484,178, Oct. 11.
- Wire rope manufacturing machine. W. T. MacCreadie. 2,484,179, Oct. 11.
- Wire rope union. L. P. Sowles. 2,488,247, Nov. 15.
- Wire spring structure for seat and back constructions. W. H. Neely and S. G. Blumensadt. 2,462,539, Feb. 22.
- Wire stitching apparatus and control mechanism. O. M. Tubbs. 2,489,207, Nov. 22.
- Wire straightener. R. D. Heller. 2,462,396, Feb. 22.
- Wire strand machine. R. D. Green. 2,464,860, Mar. 22.
- Wire stranding device. O. L. Giffin. 2,484,282, Oct. 11.
- Wire stringing device, Paper machine. L. Hornbostel. 2,473,100, June 14.
- Wire stripper. C. C. Shepard. 2,468,122, Apr. 26.
- Wire supporting device. J. B. Cook and L. L. Jugle. 2,473,363, June 14.
- Wire system, Ground. W. R. Koch. 2,473,377, June 14.
- Wire terminal. J. F. Merkel. 2,461,994, Feb. 15.
- Wire terminal, Electric. R. H. Bentley. 2,461,135, Feb. 8.
- Wire terminal, Insulated. I. F. Matthyse. 2,466,607, Apr. 5.
- Wire testing, Insulated electric. J. L. Entwistle. 2,485,871, Oct. 25.
- Wire twisting apparatus. J. A. Openshaw. 2,460,235, Jan. 25.
- Wire twisting device. L. E. Bennett. 2,472,510, June 7.
- Wireworking tool. C. G. Gottholm. 2,488,396, Nov. 15.
- Wiring arrangement. A. L. Mydlil. 2,492,236, Dec. 27.
- Wiring device. H. A. Miloché. 2,471,970, May 31.
- Wiring device, Electrical. A. C. Gaynor. 2,467,820, Apr. 19.
- Wireless receiver. A. Nicole. 2,491,873, Dec. 20.
- Wood assemblies, Forming. J. A. Potchen. 2,472,023, May 31.
- Wood fibers, Bleaching mechanical. R. L. McEwen. 2,465,738, Mar. 29.
- Wood joint. A. V. Pedersen. 2,475,046, July 5.
- Wood pulp, Bleaching. P. B. K'Burg and J. S. Reichert. 2,492,047, Dec. 20.
- Wood pulp, Treatment of ground. R. L. McEwen. 2,465,327, Mar. 22.
- Woodworking machine, Block-dividing reciprocating-saw. L. E. Topham. 2,475,683, July 12.
- Wool and materials therefor, Shrinkproofing. J. B. Rust. 2,491,584, Dec. 20.
- Wool and products therefor, Treatment of. J. B. Rust. 2,467,233, Apr. 12.
- Wool and the like, Treatment of. P. Alexander and J. W. Bell. 2,485,250, Oct. 18.
- Wool from wool-acetate fabrics, Recovery of. G. C. Ward and R. U. Genazzani. 2,472,238, June 7.
- Wool or wool noil ball. H. D. Boynton. 2,478,232, Aug. 9.
- Wool press. F. C. McNamara. 2,482,680-1, Sept. 20.
- Wool, Treating. D. Frishman and M. Harris. 2,466,695, Apr. 12.
- Wool, Treatment of. R. H. Doggett and A. R. Johnson. 2,482,578, Sept. 20.
- Work driver. L. W. Premo. 2,465,923, Mar. 29.
- Work-exPELLing device for tubular saws. R. L. Brown. 2,484,150, Oct. 11.
- Work gauge in fastening inserting machines. B. B. Blanchard. 2,480,898, Sept. 6.
- Work handling device. E. E. Stevenson. 2,463,064, Mar. 1.
- Work holder. T. E. Mead. 2,461,292, Feb. 8.
- Work holder. J. Rock, Jr. 2,481,684, Sept. 13.
- Work holder. W. F. Serie. 2,491,522, Dec. 20.
- Work holder and twisting head for forming spiral studs. V. F. Zahodiakin. 2,465,504, Mar. 29.
- Workholder for mounting between jaws of a vise to support or clamp a workpiece. S. E. W. Hoenes. 2,482,002, Sept. 13.
- Workholder for piston ring heat-treatment. C. F. Jones. 2,471,754, May 31.
- Work holder mechanism for machine tools. B. P. Schiltz. 2,479,026, Aug. 16.
- Work holding device. R. P. Sedlock. 2,480,885, Sept. 6.
- Work-holding means. C. O. Lassy. 2,460,890, Feb. 8.
- Work holding means, Universally adjustable. A. K. Elliott and T. T. Munn. 2,478,361, July 19.
- Work lamp support. N. R. Schwartz. 2,472,624, June 7.
- Work-mounting means. T. A. Kestell. 2,475,900, July 12.
- Workpiece ejector mechanism, Electric furnace. H. A. Strickland, Jr. 2,484,865, Oct. 18.
- Workpiece support, especially for use with processing equipment for containers, Tilting. G. J. Grimes. 2,482,269, Sept. 20.
- Work positioner. E. C. Brekelbaum. 2,477,169, July 26.
- Work positioner. J. F. Harrison. 2,469,644, May 10.
- Work rest and forming the same. L. Zimmermann. 2,474,138, June 21.
- Workstand, Adjustable. M. B. Conrad. 2,466,155, Apr. 5.
- Work stop. C. O. McDonald. 2,488,822, Nov. 22.
- Work stop for use with collets. L. R. Evans. 2,469,160, May 3.
- Work support. J. E. Best. 2,463,592, Mar. 8.
- Work support. H. H. Harris. 2,462,960, Mar. 1.
- Work support. H. E. Kraus. 2,488,296, Nov. 15.
- Work supporting means for heat treating furnaces. H. F. Jackson. 2,461,606, Feb. 15.
- Worktable. M. Morello. 2,491,827, Dec. 20.
- Worktable for belt grinders and the like. D. E. Sutton. 2,462,788, Feb. 22.
- Work unit, Mobile. W. A. Taylor. 2,490,661, Dec. 6.
- Working gases in internal-combustion engines, Inducting and stratifying. L. Myrick. 2,466,181, Apr. 5.
- Working sheet metal. J. Winlock. 2,476,254, July 12.
- Wound binding element and manufacture. J. O. and A. D. Bower. 2,487,041, Nov. 8.
- Woven tubular fabric. C. S. Cole. 2,475,012, July 5.
- Woven wire or screen netting, Making. J. W. Allan. 2,467,072, Apr. 12.
- Wrap striping or patterning mechanism in knitting machines. F. E. Deans and C. H. Wainwright. 2,463,751, Mar. 8.
- Wrapped wire strain gauge. W. H. Howe. 2,467,752, Apr. 19.
- Wrapper and pest control, Antifungus. L. H. Flett. 2,480,010, Aug. 23.
- Wrapper, Belt. T. Wilson. 2,477,843, Aug. 2.

- Wrapper, Coin-container. E. W. Jackson. 2,480,368, Aug. 30.
- Wrapper, Package. L. Peters. 2,469,204, May 3.
- Wrapper, Splice. M. W. Warner. 2,460,478, Feb. 1.
- Wrapping and labeling receptacles. W. T. Burbank. 2,469,366, May 10.
- Wrapping articles. F. B. Pfeiffer. 2,486,762, Nov. 1.
- Wrapping machine. K. A. Sumida. 2,486,892, Nov. 1.
- Wrapping machine and method, Multiple lane. S. J. Campbell. 2,462,254, Feb. 22.
- Wrapping machine and wrapping. A. B. Clunan and J. F. Stalter. 2,484,780, Oct. 11.
- Wrapping machine, Roll. E. M. Costello. 2,485,865, Oct. 25.
- Wrapping machinery. J. A. Gilbert. 2,492,567, Dec. 27.
- Wrapping, Package. B. Y. James. 2,475,323, July 5.
- Wrapping saw blades or the like, Method and apparatus for. H. E. and G. W. Wilson. 2,458,971, Jan. 11.
- Wrecking tool. W. J. Davies. 2,473,866, Feb. 21.
- Wrench: *See*—
- Adjustable ratchet wrench.
 - Aircraft tubing ratchet wrench.
 - Cam-actuated grip-finger wrench.
 - Cam lever actuated pivoted jaw wrench.
 - Cam operated cap gripping wrench.
 - Crossarm lathe wrench.
 - Ejector type socket wrench.
 - Flexible ratchet-type pipe wrench.
 - Flexible strip jar cap wrench.
 - Folding pedal wrench.
 - Folding rapid spinner wrench.
 - Gear actuated wrench.
 - Gear-operated double-socket wrench.
 - Gear operated dual wrench.
 - Gear operated wrench.
 - Hub-mounted wheel wrench.
 - Internal expanding pipe wrench.
 - Lever and pawl feed sliding jaw wrench.
 - Leverage wrench.
 - Multiple socket wrench.
 - Overhead valve tappet clearance adjusting wrench.
 - Pivoted inner jaw pipe wrench.
 - Pivoted inner jaw wrench.
 - Power actuated wrench.
 - Power-operated wrench.
 - Ratchet wrench.
 - Reversible friction clutch wrench.
 - Self-adjusting wrench.
 - Signal type torque indicating wrench.
 - Sliding-jaw, lever and rack actuated wrench.
 - Socket wrench.
 - Spiral cam adjustable socket wrench.
 - Starting wrench.
 - Swinging jaw adjustable wrench.
 - Tappet holding wrench.
 - Toggle actuated and adjustable mounted pivoted jaw wrench.
 - Toggle operated slidable jaw wrench.
 - Torque-reducing wrench.
 - Turnbuckle wrench.
 - Wedge locked, sliding side jaw wrench.
- Wrench. A. V. Capps. 2,471,194, May 24.
- Wrench and screw driver, Combination. P. M. Rogers. 2,464,058, Mar. 8.
- Wrench extension, Basin. T. B. Bamberg. 2,463,138, Mar. 1.
- Wrench for cylindrical headed objects. R. E. Deming. 2,463,525, Mar. 8.
- Wrench for removing screw tops from jars. W. W. Edlund. 2,478,471, Aug. 9.
- Wrench for shoe calks, Combined socket and spanner grip. J. G. Grigalunas. 2,461,639, Feb. 15.
- Wrench having fulcrum-detent quickly shiftable along handle rack, Pivoted outer jaw. N. W. Warman. 2,464,953, Mar. 22.
- Wrench having manually-controlled slidable-wedge lock, Pivoted side-jaw. E. E. Cooper. 2,462,364, Feb. 22.
- Wrench having rotatably adjustable inner jaw and multi-axis-pivoted outer jaw, Basin. S. G. Sesak. 2,491,623, Dec. 20.
- Wrench head for tightening wing nuts. N. L. Wentling. 2,465,048, Mar. 22.
- Wrench socket retainer. R. J. Schaedler. 2,490,478, Dec. 6.
- Wrench with attached bar-handle, Socket. W. E. and D. E. Haist. 2,486,022, Oct. 25.
- Wrench with clutch yoke, Sliding jaw. J. P. Van Ausdal. 2,480,274, Aug. 30.
- Wrench with hydraulic control, Toggle actuated. G. Steckelberg. 2,487,281, Nov. 8.
- Wrench with nut ejector, Socket. J. S. Barrett. 2,488,894, Nov. 22.
- Wrench with pivoted levers, Segmental box-type. J. C. Dingley. 2,484,492, Oct. 11.
- Wrench with sliding rack catch, Sliding jaw. R. Stelnacher. 2,478,789, Aug. 9.
- Wrench with spiral drive, Gear-operated. W. W. Wehner. 2,481,633, Sept. 13.
- Wrench with spring pressed wedging ball, Clutched head. J. R. Schmitt and S. E. Hickerson. 2,487,987, Nov. 15.
- Wrench with terminal adjusting nut, Slidable jaw. J. Ruzek. 2,469,789, May 10.
- Wrench with threaded nut holding member. P. T. Cousino. 2,461,680, Feb. 15.
- Wrench with wedge adjustment, Cam-actuated plier. E. S. Hanson, Jr. 2,461,272, Feb. 8.
- Wrench with work-retaining loop, Spanner. F. G. Miller and L. S. Bogert. 2,472,716, June 7.
- Wrinkle composition containing synthetic rubber and conjugated double bonded oil, Uncoated. E. L. Luaces. 2,468,989, May 3.
- Wrinkle drying composition containing dextran benzyl ether. E. L. Luaces. 2,490,070, Dec. 6.
- Wrinkle finish. W. A. Waldie. 2,486,232, Oct. 25.
- Wristband. J. C. Howell. 2,468,262, Apr. 26.
- Wrist band, Watch supporting. R. S. Turpin. 2,491,592, Dec. 20.
- Wrist watch. C. W. Werntz. 2,484,200, Oct. 11.
- Wrist watch holder. V. T. O'Donnell. 2,458,793, Jan. 11.
- Writing instrument. J. C. Wahl. 2,483,329, Sept. 27.
- Writing instrument, Ball-point. R. W. Randolph. 2,481,874, Sept. 13.
- Writing unit, Illuminated. C. T. Clyne. 2,492,034, Dec. 20.
- X-ray and fluoroscopic apparatus, Combined. L. Mackta. 2,477,307, July 26.
- X-ray control switch. B. A. Warmey. 2,485,340, Oct. 18.
- X-ray device. J. M. Ledebor. 2,490,140, Dec. 6.
- X-ray diffraction apparatus. O. G. Koppius. 2,476,150, July 12.
- X-ray diffraction photometer. E. F. Champayne, C. L. Christ, and R. B. Barnes. 2,490,673, Dec. 6.
- X-ray equipment. O. C. Hollstein. 2,474,421, June 28.
- X-ray equipment. O. C. Hollstein. 2,474,422, June 28.
- X-ray machine shutter control mechanism. H. Blatz and E. L. Anderson. 2,492,031, Dec. 20.
- X-ray mass chest apparatus control gear. A. Nemet and M. Berindei. 2,469,982, May 10.
- X-ray monochromator, Focusing. H. Friedman. 2,474,240, June 28.
- X-ray opaque marking means. W. H. Wood. 2,462,018, Feb. 15.
- X-ray pictures, Method of, and dental X-ray machine for producing. H. Smathers. 2,476,776, July 19.
- X-ray pictures with betatron, Stereoscopic. D. W. Kerst. 2,473,956, June 21.
- X-ray screen. W. H. Byler. 2,487,097, Nov. 8.
- X-ray spectrometer. H. Friedman. 2,474,835, July 5.
- X-ray spot film tunnel. D. Sussin. 2,468,381, Apr. 26.
- X-ray stroboscope. J. De Ment. 2,465,676, Mar. 29.
- X-ray system. C. T. Zavales. 2,492,343, Dec. 27.
- X-ray timer for selective exposure of chest films, Dual phototube. R. H. Morgan and P. C. Hodges. 2,486,866, Nov. 1.
- X-ray transformer control. E. R. Goldfield. 2,477,298, July 26.
- X-ray tube comprising a disk-shaped rotary anode. B. Combée. 2,489,080, Nov. 22.
- X-ray tube cooling apparatus. W. J. Oosterkamp and A. W. Vingerhoets. 2,468,942, May 3.
- X-ray unit. B. F. Wehmer. 2,457,961, Jan. 4.
- Xanthylum dye salts as filter and antihalation dyes in photographic materials. T. R. Thompson. 2,461,485, Feb. 8.
- Xylene-benzene conversion. R. J. Lee and H. D. Radford. 2,480,939, Sept. 6.
- Xylidine, Production of. A. S. Houghton and F. R. Lowdermilk. 2,489,886, Nov. 29.
- Xylophone. J. A. Packheiser. 2,458,193, Jan. 4.
- Xylophone. H. Zimmerman. 2,458,462, Jan. 4.
- Xylophone. H. Zimmerman. 2,487,208, Nov. 8.
- Xylyl trichlorothiolacetate. A. T. Hallowell. 2,472,897, June 14.
- Yarn-advancing reel. A. L. Ewing. 2,491,038, Dec. 13.
- Yarn and fabric. G. Bloch. 2,465,996, Apr. 5.
- Yarn and fabric, Mixed. C. Robbins, II. 2,477,652, Aug. 2.
- Yarn cakes, Saponifying. G. W. Seymour, W. J. Elvin and D. Y. Miller. 2,487,833, Nov. 15.
- Yarn drying apparatus. A. L. Ewing. 2,465,214, Mar. 22.
- Yarn from continuous filaments, Making slub or flake spun. C. E. Neisler, Jr. 2,464,882, Mar. 22.
- Yarn from staple fibers, Production of. J. P. Mackie. 2,492,306, Dec. 27.
- Yarn holder. T. Sarlo. 2,479,415, Aug. 16.
- Yarn inspecting device. E. O. Jennings. 2,490,134, Dec. 6.
- Yarn package support. J. S. Dix. 2,483,490, Oct. 4.
- Yarn package support. F. W. Paffen, and H. L. Cornelius. 2,470,835, May 24.
- Yarn protector. R. H. Davidson. 2,461,724, Feb. 15.
- Yarn tensioning device. C. B. Kingsbury. 2,478,926, Aug. 16.
- Yarn twisting apparatus. J. L. Meade. 2,463,636, Mar. 8.
- Yarn winding reel. A. F. Cossette. 2,488,852, Nov. 22.
- Yarns, Treatment of. F. R. Scull. 2,464,897, Mar. 22.
- Yeast and vitamin concentrates from cultured material, Production of. G. A. Jeffreys. 2,480,738, Aug. 30.
- Yeast, Production of. S. O. Rosenqvist. 2,460,947, Feb. 8.
- Yeast treatment. D. K. Alexander. 2,470,967, May 24.
- Yielding drive. W. M. Siesel. 2,461,447, Feb. 8.
- Yoke for welding apparatus, Copper-coated magnetic steel. C. A. Adams. 2,479,053, Aug. 16.
- Yoke, Water meter. J. J. Smith. 2,484,755, Oct. 11.
- Yokes for garment hangers, Making. W. Ludwig. 2,460,939, Feb. 8.
- Zeolytic alkali from gels, Removal of. E. A. Bodkin. 2,480,628, Aug. 30.
- Zero adjustment means. H. L. Bowditch. 2,470,333, May 17.
- Zeroizing means for dial indicators. A. H. Emery. 2,476,713, July 19.

- Zinc aluminate-group VI metal oxide catalyst, Preparation of. K. K. Kearby. 2,474,215, June 28.
- Zinc aluminate spinel catalyst, Preparation of. J. F. Black. 2,474,214, June 28.
- Zinc aluminum alloys, Manufacture of. M. Tama. 2,467,058, Apr. 12.
- Zinc base alloy. H. Bierman. 2,467,956, Apr. 19.
- Zinc cadmium sulfo-selenide phosphor, High-efficiency blue-emitting. H. W. Leverenz. 2,477,070, July 26.
- Zinc, Condensing. A. L. J. Queneau. 2,478,594, Aug. 9.
- Zinc dust for gold and silver precipitation, Activated. D. J. A. Dahlgren, L. G. Hendrickson, and D. L. Griffith. 2,477,443, July 26.
- Zinc electroplating. A. E. Chester and F. F. Reisinger. 2,461,809, Feb. 15.
- Zinc from its ores, Recovery of. A. L. J. Queneau. 2,461,697, Feb. 15.
- Zinc from zinciferous material containing iron, Recovering. F. F. Poland. 2,463,468, Mar. 1.
- Zinc of high purity, Electrolytically producing. S. P. Lowe, G. W. Long, G. H. Kent, and K. W. Downes. 2,471,965, May 31.
- Zinc, Production of. S. Robson. 2,473,611, June 21.
- Zinc, Production of. S. Robson and L. J. Derham. 2,464,262, Mar. 15.
- Zinc salts of aromatic mercaptans as processing agents for rubbers. J. J. Verbanc. 2,467,789, Apr. 19.
- Zinciferous surfaces for electroplating, Method of and material for preparing. D. L. Miles. 2,461,228, Feb. 8.
- Zirconia gel, Preparation of. M. M. Marisic and E. M. Griest. 2,467,089, Apr. 12.
- Zirconium nitride, Production of. P. P. Alexander. 2,461,019, Feb. 8.

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LIST OF DESIGN INVENTIONS

- Accelerator pedal pad and heel rest, Combined. C. A. Brietson. 155,383, Oct. 4.
- Accordion or similar article. R. Pancotti. 155,833, Nov. 1.
- Adapter for candlesticks, Epergne and candle holder. A. L. and M. G. Dillon. 153,506, Apr. 26.
- Advertising display and clock, Combined. C. L. Dwinell. 154,534, July 19.
- Advertising display, Illuminable outdoor. H. A. Thuernau. 152,304, Jan. 4.
- Air blower. W. R. Fox. 152,778, Feb. 22.
- Airbrush. R. B. Briggs. 156,069, Nov. 22.
- Air conditioning apparatus. P. R. Marchal. 155,825, Nov. 1.
- Air cooling device, Portable. R. A. and M. J. Owens. 153,542, Apr. 26.
- Aircraft, Rotary winged. P. H. Stanley. 153,324, Apr. 5.
- Airplane. A. F. Arcier. 155,256, Sept. 20.
- Airplane. J. A. Burris. 155,387, Oct. 4.
- Airplane. C. W. Butler. 155,777, Nov. 1.
- Airplane. H. C. Delcher, Jr., and C. L. Brockman. 155,335, Sept. 27.
- Airplane. W. K. Ebel, A. J. Subasky, and W. D. van Zelm. 155,404, Oct. 4.
- Airplane. E. V. Eichman. 153,590, May 3.
- Airplane. E. H. Heinemann and L. J. Devlin. 154,273, June 28.
- Airplane. A. Kartveli. 153,291, Apr. 5.
- Airplane. D. W. Main. 154,862, Aug. 16.
- Airplane. W. A. Pulver and A. E. Flock. 153,456, Apr. 19.
- Airplane. C. T. Ray. 155,362, Sept. 27.
- Airplane. C. T. Ray, C. L. Brockman, and C. W. Butler. 155,363, Sept. 27.
- Airplane. A. G. Vojik and C. T. Ray. 155,851, Nov. 1.
- Airplane. H. W. Zipp, V. L. Hudson, and E. O. Weinig. 153,411, Apr. 12.
- Airplane. D. R. Zuck. 153,331, Apr. 5.
- Airplane. D. R. Zuck. 154,829, Aug. 9.
- Airplane, Amphibian. A. P. Fontaine. 155,281, Sept. 20.
- Airer, Clothes. A. E. Hutchings. 156,010, Nov. 15.
- Alphabet. E. J. Jones. 156,629, Dec. 27.
- Alphabet for forming monograms or the like. M. Chernow. 152,395, Jan. 18.
- Alphabet for forming monograms or the like. S. Reynoso. 152,827, Feb. 22.
- Amalgam expresser. M. A. Haas. 153,283, Apr. 5.
- Ampoule sealing device. J. H. Brewer. 153,584, May 3.
- Amusement machine or the like, Coin operated. E. Mihalek. 152,816-17, Feb. 22.
- Anchor. P. W. Polenz. 155,537, Oct. 11.
- Anode. Metal. J. A. Stone. 152,753, Feb. 15.
- Antenna. S. Baldi. 156,399, Dec. 13.
- Antenna. M. Spirt. 156,379, Dec. 6.
- Antenna, Adjustable. R. N. Leonard. 152,990, Mar. 8.
- Antenna and support therefor, Combined. S. Ludwig and R. R. Cull. 152,429, Jan. 18.
- Antenna, Radio. W. L. Leonard. 155,093, Sept. 6.
- Antenna, Television. J. F. Disch. 156,078, Nov. 22.
- Antenna, Television. V. Trebules. 155,113, Sept. 6.
- Antilme device or similar article. F. J. Doyle. 156,079, Nov. 22.
- Applicator, Liquid wax. E. Belanger and G. Mercier. 153,757, May 17.
- Applicator or similar article, Hair wave fluid. M. Morrison. 155,308-9, Sept. 20.
- Applicator unit, Mucilage. A. C. Werner. 155,562, Oct. 11.
- Applique, Embroidered. A. H. Wiggins. 154,970, Aug. 23.
- Applique or the like. M. Silberman. 156,176, Nov. 22.
- Apron, Barbecue. S. B. Mattison. 155,723, Oct. 25.
- Apron, Child's. J. I. Kingson. 155,713, Oct. 25.
- Armchair. F. T. Paden. 155,727, Oct. 25.
- Armrest for vehicle seats. H. Schmiede. 154,810, Aug. 9.
- Ash receiver, Pin-up. H. W. Louis. 152,629, Feb. 8.
- Ash receptable, Miniature log cabin. J. M. Surkin and M. E. Herpe. 154,439, July 5.
- Ash tray. B. Blecher. 152,452, Jan. 25.
- Ash tray. S. C. Boston. 156,597, Dec. 27.
- Ash tray. S. K. Frank. 155,083, Sept. 6.
- Ash tray. W. T. Heintze. 152,474, Jan. 25.
- Ash tray. R. W. Hoag. 153,687, May 10.
- Ash tray. A. Jargstorff. 153,944, May 31.
- Ash tray. A. J. Larrabee. 154,612, July 26.
- Ashtray. G. B. Lee. 152,989, Mar. 8.
- Ash tray. D. S. Leong. 156,636, Dec. 27.
- Ash tray. W. P. Mader. 153,714-16, May 10.
- Ash tray. C. Mankouski. 153,962, May 31.
- Ash tray. S. Manna. 155,020, Aug. 30.
- Ash tray. J. Nelson. 154,056, June 7.
- Ash tray. L. A. Revell. 153,824, May 17.
- Ash tray. L. A. Revell. 154,565, July 19.
- Ash tray. J. R. Robbins. 155,630, Oct. 18.
- Ash tray. J. H. Roethel. 153,395, Apr. 12.
- Ash tray. A. Schertz. 153,640, May 3.
- Ash tray. A. J. Schwisow. 152,656, Feb. 8.
- Ash tray. J. B. Stier. 152,379, Jan. 11.
- Ash tray. J. B. Stier. 152,439-40, Jan. 18.
- Ash tray. N. K. Tschirley. 152,664, Feb. 8.
- Ash tray. J. W. Turulis. 155,048, Aug. 30.
- Ash tray. S. L. Wilson. 155,952, Nov. 8.
- Ash tray. C. B. Woofter. 154,575, July 19.
- Ash tray and coaster, Combination. G. E. Andre. 152,313, Jan. 11.
- Ash tray and coaster, Combined. P. B. Zazzara. 154,452, July 5.
- Ash tray and game, Combined. R. L. Chaney and E. J. Taggart. 154,660, Aug. 2.
- Ash tray and game device, Combined. J. D. Nagel and W. Lang. 154,562, July 19.
- Ash tray and glass holder, Combined. R. T. Leach. 152,485, Jan. 25.
- Ash tray and holder for matches and other articles, Combined. J. Grzeca. 155,998, Nov. 15.
- Ash tray and holder for matches and other articles, Combined wall type. J. Grzeca. 155,999, Nov. 15.
- Ash tray and saucer, Combined. O. C. Tweet. 154,224, June 21.
- Ash tray and stand for score pads. E. W. Discher. 156,326, Dec. 6.
- Ash tray, cigarette and match holder, Combined. J. Pfeiffer. 155,836, Nov. 1.
- Ash tray, glass holder, or similar article, Combination. A. J. Sesona, Jr. 154,885, Aug. 16.
- Ash tray or similar article. M. A. Bass. 154,977, Aug. 30.
- Ash tray or similar article. G. L. Beckstrom and R. S. Krause. 153,489, Apr. 26.
- Ash tray or similar article. E. M. Crandall. 154,369, July 5.
- Ash tray or similar article. G. Heidrich. 153,523, Apr. 26.
- Ash tray or similar article. J. J. McCabe. 154,295, June 28.
- Ash tray or similar article. P. J. Qualls. 153,236, Mar. 29.
- Ash tray unit, Cigarette. K. L. Childs. 153,115, Mar. 22.
- Atomizer. A. Blatt. 153,759, May 17.
- Atomizer and container, Combined. S. Hetler-Louiche. 156,507, Dec. 20.
- Atomizer or similar article, Perfume. M. E. Huffman. 155,805, Nov. 1.
- Atomizer or similar article, Pocket perfume. L. K. Kuhn. 155,348, Sept. 27.
- Atomizer, Perfume. H. Anbender and W. J. Weinstein. 153,840, May 24.
- Atomizer, Perfume. A. J. Bruneau. 155,683, Oct. 25.
- Attachment for a power lawn mower or the like, Trailer. R. N. Leonard. 152,273, Jan. 4.
- Attachment for ironing boards, Garment hanging. A. C. Hufeld. 154,684, Aug. 2.
- Attachment for table edge, Glass holder. T. E. Foulke. 154,468, July 12.
- Automobile. C. Bretschneider. 155,266, Sept. 20.
- Automobile. G. M. Buehrig. 152,320, Jan. 11.
- Automobile. V. M. Exner. 152,400, Jan. 18.
- Automobile. F. E. Mayes. 155,303, Sept. 20.
- Automobile. M. J. Mendes. 155,829, Nov. 1.
- Automobile. M. J. Mendes. 156,551, Dec. 20.
- Automobile. C. B. Stevens. 154,080, June 7.
- Automobile. P. T. Tucker. 154,192, June 14.
- Automobile and airplane, Combined. K. R. Bailey. 155,569, Oct. 18.
- Automobile body. H. J. Earl. 155,788-9, Nov. 1.
- Automobile hood, radiator, and head lamps, Combined. W. H. Burke. 156,198, Nov. 29.
- Automobile or similar article. G. T. Christopher. 156,211, Nov. 29.
- Awning. D. D. Kobbe. 152,622, Feb. 8.
- Awning. C. R. Trent. 153,997, May 31.
- Awning, Louvered corrugated metal. S. K. Peeples. 153,622, May 3.
- Awning or the like, Shingle. L. Arabit. 156,190, Nov. 29.
- Baby bunting. E. Brande. 152,586, Feb. 8.
- Baby seat and play pen, Combined. G. Levy. 155,171, Sept. 13.
- Baby stroller and package carrier, Combined. D. Davis. 155,785, Nov. 1.
- Back and handle, Hairbrush. F. Diamond. 155,974, Nov. 15.
- Back for a billfold. A. Mouldovan. 153,444, Apr. 19.
- Backsplasher and top for electric range, Combined. R. C. Sandin. 153,557-9, Apr. 26.

- Badge. D. C. Crain. 154,992, Aug. 30.
 Badge. F. S. Land. 152,546, Feb. 1.
 Badge. F. S. Land. 152,891, Mar. 1.
 Badge. F. S. Land. 152,986, Mar. 8.
 Badge or similar article. F. Brook and S. Wager. 154,236-9, June 28.
 Badge or similar article. F. Brook and S. Wager. 155,869-70, Nov. 8.
 Badge or the like. J. E. Smith. 152,297, Jan. 4.
 Bag, Clothespin. M. A. Howard. 155,425, Oct. 4.
 Bag, Gift. J. E. Vivaudou. 156,059, Nov. 15.
 Bag, Motorcycle saddle. J. R. Hampel. 152,530, Feb. 1.
 Bag or like receptacle. A. Hochner. 153,799, May 17.
 Bag or similar article, Clothespin. P. Gold. 154,200, June 21.
 Bag or similar article, Garment. T. Russell. 153,556, Apr. 26.
 Bag or similar article, Knitting. P. R. Peak. 154,140, June 14.
 Bagging machine. P. L. Snyder and C. Miller. 154,219, June 21.
 Bait, Artificial. W. L. Raschke. 153,980, May 31.
 Bait Artificial. H. F. Roessler. 156,036, Nov. 15.
 Baking unit. J. F. Cavanagh. 152,321, Jan. 11.
 Balance. C. L. Otto. 153,075-6, Mar. 15.
 Balancer or similar article, Tool. R. J. Robillard. 154,712, Aug. 2.
 Balancing device, Portable wheel. L. Hunter, Jr. 152,881, Mar. 1.
 Balancing device, Wheel. S. W. Martin. 156,142, Nov. 22.
 Ball pen and knife, Combination. J. M. Weiss. 152,847, Feb. 22.
 Ball, Rubber play. J. M. Gapstur and R. E. Long. 154,259-60, June 28.
 Band for a watch bracelet or similar article, Extensible. H. J. Duester. 152,774-5, Feb. 22.
 Band for a watch bracelet or similar article, Extensible. H. J. Duester. 153,123, Mar. 22.
 Band or similar article, Watch. T. Stern. 154,889, Aug. 16.
 Band-saw machine. T. Farrell. 153,867, May 24.
 Band, Wrist. A. Pinson. 154,142, June 14.
 Band, Wrist watch. M. Sklar. 152,658, Feb. 8.
 Bank, Child's. S. W. Rapp. 156,277-8, Nov. 29.
 Bank, Coin. W. J. Ayers. 156,066, Nov. 22.
 Bank, Coin. A. F. Klingberg. 154,127, June 14.
 Bank, Coin. T. E. Orr. 152,646, Feb. 8.
 Bank, Coin actuated recording. J. E. Gaulke. 155,798, Nov. 1.
 Bank, Pig. S. Dubiner. 153,775, May 17.
 Bank, Savings. C. R. Denoy and H. B. Cuny. 153,421-2, Apr. 19.
 Bank, Savings. A. E. Wilke. 156,188, Nov. 22.
 Bar, Amusement. L. Hollowell. 156,509, Dec. 20.
 Bar of soap. C. T. Gerhart. 154,766, Aug. 9.
 Barometer. J. Mueller. 153,376, Apr. 12.
 Barrette. N. L. Solomon. 153,831-2, May 17.
 Base, Chair supporting. C. J. Barecki. 152,851, Mar. 1.
 Base, Floor lamp. I. I. Gotliffe. 153,790, May 17.
 Base, Floor lamp. I. I. Gotliffe. 153,873, May 24.
 Base, Furniture. J. J. Lubberts and L. J. Mulder. 152,896, Mar. 1.
 Base, Lamp. H. Gogolick and E. Meyer. 152,609, Feb. 8.
 Base, Lamp. E. Norton. 156,364, Dec. 6.
 Base, Lamp. J. Rosner. 154,145, June 14.
 Base, Lamp. J. Rosner. 155,734, Oct. 25.
 Base, Lamp. R. Soloff and M. M. Naumoff. 156,050, Nov. 15.
 Base or pedestal for chairs. H. A. Penchoen. 152,648, Feb. 8.
 Base, Table. H. Lebensfeld. 156,439, Dec. 13.
 Basket. W. C. P. Zabel and R. C. Helfenbein. 154,730, Aug. 2.
 Basket, Flower. A. Berra. 153,919, May 31.
 Basket, Plastic. J. and J. Fiedler. 153,129, Mar. 22.
 Basket, Waste Paper. T. F. Brennan. 155,967, Nov. 15.
 Basket, Wire carrier. C. C. Powell. 154,710, Aug. 2.
 Bath arm and detachable cap, Combined. A. Walker. 154,890, Aug. 16.
 Bathtub. L. Keller. 153,529, Apr. 26.
 Bathtub. C. W. Sawyer. 156,564, Dec. 20.
 Bathtub. J. Springwell. 156,052, Nov. 15.
 Bathing suit. T. Leser. 156,131, Nov. 22.
 Bathing suit or similar article. A. L. Sommers and A. Young. 155,241, Sept. 13.
 Battery charger, Portable. L. A. Medlar. 153,967, May 31.
 Bend breaker, Tire. H. W. Darr. 153,338, Apr. 12.
 Beater, Liquid. J. O. Hutton. 154,202, June 21.
 Bed. J. J. Lubberts and L. J. Mulder. 152,894, Mar. 1.
 Bedspread. G. H. Sheppard. 156,045, Nov. 15.
 Bedspread or the like. K. C. Hoffman. 156,238-9, Nov. 29.
 Bed unit, Combination twin. T. S. Ziegenfuss. 152,512, Jan. 25.
 Bed unit, Twin. T. S. Ziegenfuss. 153,574, Apr. 26.
 Bell. M. Feintuch and B. F. Jay. 155,882, Nov. 8.
 Bell, Bicycle. W. N. Hill. 152,418, Jan. 18.
 Belt. F. G. Sullivan. 156,579, Dec. 20.
 Belt, Adjustable. H. Stelzer. 152,503, Jan. 25.
 Belt and writing implement, Combined apparel. A. Rothchild. 155,107, Sept. 6.
 Belt, Embossed. J. R. Hampel. 155,418-20, Oct. 4.
 Belt for wearing apparel. B. J. Bequette. 153,915, May 31.
 Belt or similar article. K. Krasnow. 155,430, Oct. 4.
 Belt, Plastic. K. Krasnow. 156,129, Nov. 22.
 Bender, Pipe and tubing. J. D. Benfield. 153,102, Mar. 22.
 Beverage cooler, Portable. G. M. Acton. 152,580, Feb. 8.
 Bezel, Watch. A. Grilikhes. 155,601-03, Oct. 18.
 Bezel, Watchcase. H. Dinhofer. 155,394-403, Oct. 4.
 Bib. L. Grassi. 152,879, Mar. 1.
 Bib, Child's. J. I. Kingson. 155,712, Oct. 25.
 Bib, Nursery. J. E. Vivaudou. 155,752, Oct. 25.
 Bib or similar article. H. I. Strandhagen. 155,642, Oct. 18.
 Bib, Overall. M. D. Jacobson. 156,012, Nov. 15.
 Bicycle. M. Mennesson. 152,430, Jan. 18.
 Bicycle. C. B. Stevens. 155,745-7, Oct. 25.
 Bicycle, Motor. C. d'Ascanio. 156,609, Dec. 27.
 Billfold. J. C. Simpson. 155,844, Nov. 1.
 Billfold. C. Weeks. 154,519, July 12.
 Billfold, coin purse, key case, and lipstick holder, Combined. H. K. Godfrey. 156,617, Dec. 27.
 Billfold, key case, and coin purse, Combined. C. A. Fox. 153,930, May 31.
 Billfold or similar article. H. I. Thomas. 152,756, Feb. 15.
 Billfold or the like. B. A. Arnold. 155,567, Oct. 18.
 Billfold, purse, and card case, Combined. H. Chase. 156,407, Dec. 13.
 Billfold, Slip-on belt. H. A. Kehl. 154,402, July 5.
 Binocular or the like. W. T. Perkins. 152,432, Jan. 18.
 Bird house. B. E. Hawkinson. 152,472, Jan. 25.
 Bird house. W. W. Walton. 153,192, Mar. 22.
 Bit, Bridle. P. M. Kelly. 156,125, Nov. 22.
 Blade, Airplane propeller. A. P. Leahy. 152,705, Feb. 15.
 Blanket or similar fabric article. M. D. Cramer. 152,519, Feb. 1.
 Block, Sanding. L. Gerlinger. 152,607, Feb. 8.
 Blouse or similar article. L. Larssen. 154,783, Aug. 9.
 Blouse or similar article. L. Larssen. 156,350-2, Dec. 6.
 Blouse or similar article. S. Platt. 152,493, Jan. 25.
 Blouse or similar article. V. Tomshinsky. 152,505-7, Jan. 25.
 Blouse or similar article. V. Tomshinsky. 155,751, Oct. 25.
 Blower for room heating and cooling, Combination air. R. A. Trow. 156,294, Nov. 29.
 Board, Game. M. Siegel, W. S. Hasek, and F. L. Boucher. 154,567, July 19.
 Board, Hair test. D. E. Hess. 155,510, Oct. 11.
 Boat. G. A. Mitchell. 155,620, Oct. 18.
 Boat. C. A. Ward. 152,444, Jan. 18.
 Boat. V. K. Williamson. 153,910, May 24.
 Boat, Inflatable. H. G. Harris and F. S. Weisgerber. 154,774, Aug. 9.
 Boat or similar article. C. Price. 152,736, Feb. 15.
 Body, Cable car. E. O. Roggenstein. 155,235, Sept. 13.
 Boiler for steam heated flatirons, Steam generating. W. Blank. 155,119, Sept. 13.
 Book, Autograph. L. M. Forschner. 154,536, July 19.
 Bookcase. G. E. Curneal. 154,664, Aug. 2.
 Bookcase. L. A. Poynter. 156,367, Dec. 6.
 Book end. W. Austin and R. H. Burgert. 154,580, July 26.
 Book end. H. E. Kelley, Jr. 152,802, Feb. 22.
 Book end. J. H. Witzke. 154,009, May 31.
 Book end or similar article, Open horseshoe. A. S. Leitner. 154,613, July 26.
 Bookstall. J. S. Dawson. 152,459, Jan. 25.
 Bookstand. J. S. Dawson. 152,458, Jan. 25.
 Boot. J. J. Marx. 154,502, July 12.
 Boot, Felt. N. I. Scheu. 152,833, Feb. 22.
 Boot, Ladder. W. P. Regan. 153,900, May 24.
 Boot or the like, Lady's. R. J. Sherwin. 152,376, Jan. 11.
 Boot, Over-the-shoe. W. T. Williams. 152,309, Jan. 4.
 Boot, Quarter. A. E. Warren. 154,085, June 7.
 Boot, Rubber. G. H. Bingham, Jr. 155,873, Oct. 18.
 Boot, Ski. R. Rominger. 153,731, May 10.
 Booth. C. N. Manville. 152,277, Jan. 4.
 Bottle. J. Braun. 152,455, Jan. 25.
 Bottle. J. Braun. 152,514-15, Feb. 1.
 Bottle. J. Braun. 155,868, Nov. 8.
 Bottle. L. de Lescinskis. 154,533, July 19.
 Bottle. D. Deskey. 156,219, Nov. 29.
 Bottle. M. C. D'Henery. 153,423, Apr. 19.
 Bottle. R. Estrin. 154,257, June 28.
 Bottle. R. K. Frame. 152,875, Mar. 1.
 Bottle. B. D. Fuerst. 156,089, Nov. 22.
 Bottle. J. H. Funky. 154,379, July 5.
 Bottle. J. H. Funky. 155,595, Oct. 18.
 Bottle. L. O. Graf. 152,959, Mar. 8.
 Bottle. E. N. Graham. 153,600, May 3.
 Bottle. J. Guerin. 152,962, Mar. 8.
 Bottle. R. G. Gulley. 153,792, May 17.
 Bottle. S. Heffler-Louiche. 156,002, Nov. 15.
 Bottle. J. Heim. 152,473, Jan. 25.
 Bottle. F. R. High. 152,969, Mar. 8.
 Bottle. F. R. High. 154,477-81, July 12.
 Bottle. F. R. High. 155,803, Nov. 1.
 Bottle. J. B. Mayfield. 152,634, Feb. 8.
 Bottle. J. B. Mayfield. 155,021, Aug. 30.

- Bottle. F. Melikov. 154,411, July 5.
 Bottle. J. Miglioretti. 153,374, Apr. 12.
 Bottle. F. C. Nahser. 153,231, Mar. 29.
 Bottle. L. G. Nunes. 152,820, Feb. 22.
 Bottle. J. Payne. 152,431, Jan. 18.
 Bottle. L. Peters. 154,563, July 19.
 Bottle. E. Rachins. 152,905, Mar. 1.
 Bottle. R. J. Schmitz. 153,177, Mar. 22.
 Bottle. J. Serra. 155,038-43, Aug. 30.
 Bottle. J. Serra. 155,931, Nov. 8.
 Bottle. V. Silson. 156,046, Nov. 15.
 Bottle. F. Smith. 152,296, Jan. 4.
 Bottle. M. A. Soscie. 152,924, Mar. 1.
 Bottle. J. S. Wiedhopf. 153,194, Mar. 22.
 Bottle and bottle cap, Combined. G. Pavlinetz. 155,358, Sept. 27.
 Bottle and receptacle, Combined perfume. E. N. Graham. 155,005, Aug. 30.
 Bottle, Glass. R. M. Broadhead. 155,073, Sept. 6.
 Bottle, Ink. J. G. Lippincott. 154,616, July 26.
 Bottle, Milk. M. A. Pecora. 155,834, Nov. 1.
 Bottle or analogous article, Perfume. W. Carter. 154,988, Aug. 30.
 Bottle or similar article. T. D'Addario. 153,586, May 3.
 Bottle or similar article. E. N. Graham. 152,685, Feb. 15.
 Bottle or similar article. K. Hoffmann and S. Heidrich. 155,160, Sept. 13.
 Bottle or similar article. W. P. Margulies. 155,436, Oct. 4.
 Bottle or similar article. J. S. Steelman. 152,926, Mar. 1.
 Bottle or similar container. M. A. MacLean. 152,553, Feb. 1.
 Bottle or similar container. J. W. Simoneau. 155,743, Oct. 25.
 Bottle or the like. J. Dykstra. 155,134, Sept. 13.
 Bottle or the like. A. C. Williams. 155,061, Aug. 30.
 Bottle or the like, Perfume. L. W. Herman. 155,008, Aug. 30.
 Bottle, Perfume. M. R. Bocher. 152,239, Jan. 4.
 Bottle, Perfume. D. Gibson. 152,527, Feb. 1.
 Bottle, Perfume. D. Gibson. 152,608, Feb. 8.
 Bottle, Perfume. D. E. Mackenzie. 153,535, Apr. 26.
 Bottle, Perfume. A. Newman. 152,723, Feb. 15.
 Bottom for bowling ball bags or the like. A. McConnell. 156,144, Nov. 22.
 Bottom member for milk bottle carrying cases and the like. E. R. Erickson. 152,683, Feb. 15.
 Bowl. W. T. Heintze. 155,895, Nov. 8.
 Bowl and cover, Combined. M. G. Yutzey. 155,757, Oct. 25.
 Bowl, Lighting. H. J. Claspny. 153,856, May 24.
 Bowl, Manicurist. T. M. Mangold. 155,435, Oct. 4.
 Bowl, Mixing. H. H. Varney. 154,225, June 21.
 Box. B. F. Conner. 155,585, Oct. 18.
 Box. S. Hettler-Louiche. 156,506, Dec. 20.
 Box. J. von Miklos. 155,246, Sept. 13.
 Box, Candy. I. Craven. 155,972, Nov. 15.
 Box, Display. A. A. Eisenberg. 153,124, Mar. 22.
 Box, Display. E. N. Graham. 152,960, Mar. 8.
 Box, Display. E. N. Graham. 153,280, Apr. 5.
 Box for a bottle or similar article. G. Baud. 154,978, Aug. 30.
 Box for artists' brushes and pigments. H. Deckinger. 153,339, Apr. 12.
 Box for business cards or similar articles, File. G. W. Periman. 156,268, Nov. 29.
 Box, Jewelry. E. Barton. 155,117, Sept. 13.
 Box, Jewelry. C. W. Lesch. 154,787, Aug. 9.
 Box, Jewelry. S. Tylon. 156,584, Dec. 20.
 Box, Jewelry. L. M. Weil. 154,825, Aug. 9.
 Box or similar article, Refrigerator. H. Zaikaner. 155,373, Sept. 27.
 Box or similar article, Ring. R. L. Chipman, Jr. 154,839, Aug. 16.
 Box or similar article, Ring. E. Groos. 156,335, Dec. 6.
 Box or similar article, Ring. H. S. Schottenberg. 154,883, Aug. 16.
 Box or similar article, Watch. R. L. Chipman, Jr. 155,874, Nov. 8.
 Box or the like. J. L. Duncan and B. Martin. 152,523, Feb. 1.
 Box or the like. H. P. McGovern. 152,814, Feb. 22.
 Box or the like. C. E. Renander. 154,432, July 5.
 Box or the like. A. C. H. Weiss. 155,058, Aug. 30.
 Box or the like, Candy. G. N. Hange. 153,215, Mar. 29.
 Box or the like, Cosmetic. R. O. Tillman. 155,559, Oct. 11.
 Box or the like, Jewelry. B. Ulvad. 155,946, Nov. 8.
 Box or the like, Ring. M. L. Kramer. 154,928, Aug. 23.
 Box, Powder. J. F. Fleming. 155,494, Oct. 11.
 Box, Shoeshine. M. I. Pressberger. 153,235, Mar. 29.
 Box, Utility. B. Ulvad. 156,468, Dec. 13.
 Box, Watch. G. F. Brown. 156,197, Nov. 29.
 Brace. J. Innes, L. Cohen, and L. Spatz. 155,708, Oct. 25.
 Bracelet. L. D. Kline. 152,704, Feb. 15.
 Bracelet. H. H. McFarland. 156,359, Dec. 6.
 Bracelet and container for cosmetics and coins, Combined. G. H. Caskey. 154,531, July 19.
 Bracelet, Expansible watch. A. Albanese. 153,657, May 10.
 Bracelet, Extensible watch. C. Schaeffer. 153,827, May 17.
 Bracelet, Extensible watch. C. Schaeffer. 156,565, Dec. 20.
 Bracelet, Lady's. A. Albanese. 154,972, Aug. 30.
 Bracelet or similar article. H. Bogoff. 156,311, Dec. 6.
 Bracelet or similar article. H. Bogoff. 156,313-14, Dec. 6.
 Bracelet or similar article. M. Chernow. 155,126, Sept. 13.
 Bracelet or similar article. M. Chernow. 156,484, Dec. 20.
 Bracelet or similar article. A. Corbi. 153,924, May 31.
 Bracelet or similar article. E. E. Fachon. 153,125, Mar. 22.
 Bracelet or similar article. A. Katz. 153,294, Apr. 5.
 Bracelet or similar article. A. Katz. 153,879, May 24.
 Bracelet or similar article. A. Katz. 156,526, Dec. 20.
 Bracelet or similar article. A. Katz. 156,531, Dec. 20.
 Bracelet or similar article. W. W. Pearce and J. L. Lockhart. 156,650, Dec. 27.
 Bracelet or similar article. A. Philippe. 152,361, Jan. 11.
 Bracelet or similar article. A. Philippe. 152,729, Feb. 15.
 Bracelet or similar article. A. Philippe. 152,733, Feb. 15.
 Bracelet or similar article. A. Philippe. 153,027, Mar. 8.
 Bracelet or similar article. A. Philippe. 153,030, Mar. 8.
 Bracelet of similar article. A. Philippe. 153,312, Apr. 5.
 Bracelet or similar article. A. Philippe. 153,384, Apr. 12.
 Bracelet or similar article. A. Philippe. 154,705, Aug. 2.
 Bracelet or similar article. A. Philippe. 154,709, Aug. 2.
 Bracelet or similar article. A. Philippe. 155,220, Sept. 13.
 Bracelet or similar article. A. Philippe. 155,224-5, Sept. 13.
 Bracelet or similar article. A. Philippe. 155,230-1, Sept. 13.
 Bracelet or similar article. A. Philippe. 156,163-7, Nov. 22.
 Bracelet or similar article. A. Philippe. 156,456-8, Dec. 13.
 Bracelet or similar article. H. Reinstein. 154,954, Aug. 23.
 Bracelet or similar article. I. Stein. 153,400, Apr. 12.
 Bracelet or similar article, Link. H. Bogoff. 155,120, Sept. 13.
 Bracelet or the like. K. C. Augenstein. 152,235-6, Jan. 4.
 Bracelet or the like. H. Bogoff. 152,453-4, Jan. 25.
 Bracelet or the like. H. Bogoff. 154,458, July 12.
 Bracelet, Wrist watch. E. G. O. Anderson. 154,014, June 7.
 Bracelet, Wrist watch. M. Marcus. 154,559, July 19.
 Bracket. R. S. Sanford. 153,039, Mar. 8.
 Bracket and gear case for package filling machines, Combined. M. R. Frazier, Jr. 153,131, Mar. 22.
 Bracket, Appliance. H. J. Kline. 152,621, Feb. 8.
 Bracket, Automobile lamp support. S. H. Lapidus. 153,883, May 24.
 Bracket, Electric light wall. A. A. Johnson. 153,878, May 24.
 Bracket for automobile rearview mirror, Mounting. G. A. Johnson. 156,243, Nov. 29.
 Bracket for flower pot, Trellis wall. J. A. Bu Gay. 156,405-6, Dec. 13.
 Bracket, Lamp. J. A. Mehr. 155,827, Nov. 1.
 Bracket, Motorcycle spotlight mounting. J. W. Comiskey and A. T. Comiskey, Sr. 155,484, Oct. 11.
 Bracket or similar article, Casket handle. F. T. Paden. 153,165, Mar. 22.
 Bracket or the like, Supporting. J. E. Donaldson. 155,131, Sept. 13.
 Bracket or the like, Wall. P. J. Cronen. 152,598-9, Feb. 8.
 Bracket, Toe stop, for roller skates. J. M. Dabrow. 153,419, Apr. 19.
 Bracket Transposition. C. J. Lowrey. 155,301, Sept. 20.
 Bracket, Wall. H. P. Sharits. 154,336, June 28.
 Braid. L. Beer. 154,362-3, July 5.
 Braid. L. Beer. 154,584, July 26.
 Braid. H. Stern. 154,645, July 26.
 Braid, Novelty. C. F. Franken. 154,596-7, July 26.
 Brake beam, Railway. W. H. Baselt. 155,771-2, Nov. 1.
 Brassiere. P. Amyot. 154,013, June 7.
 Brassiere. J. Cohn. 156,485, Dec. 20.
 Brassiere. A. Garson. 156,500, Dec. 20.
 Brassiere. J. J. Lo Cascio. 152,345, Jan. 11.
 Brassiere. L. Shulman. 156,675, Dec. 27.
 Brewing device, Beverage. P. Muller-Munk. 152,284, Jan. 4.
 Brief case. R. H. Arbib. 153,658, May 10.
 Broiler, Electric. M. A. Feinstein. 152,953, Mar. 8.
 Broiler, Electric. H. Sado. 152,292, Jan. 4.
 Brooch, Nail file. R. P. Lynn. 153,155, Mar. 22.
 Brooch or similar article. I. Aberbach. 153,093, Mar. 22.
 Brooch or similar article. C. Arpels. 152,388, Jan. 18.
 Brooch or similar article. C. Arpels. 154,357, July 5.
 Brooch or similar article. N. Barbieri. 155,258-9, Sept. 20.
 Brooch or similar article. H. Bogoff. 152,669, Feb. 15.
 Brooch or similar article. H. Bogoff. 155,121-2, Sept. 13.
 Brooch or similar article. M. Boucher. 154,095-6, June 14.

- Brooch or similar article. G. Capellazzi. 153,497-9, Apr. 26.
- Brooch or similar article. E. Deutsch. 152,522, Feb. 1.
- Brooch or similar article. A. di Cicco. 156,220, Nov. 29.
- Brooch or similar article. M. Duvalet. 152,679-80, Feb. 15.
- Brooch or similar article. M. Duvalet. 155,690-1, Oct. 25.
- Brooch or similar article. L. L. Hess. 152,783, Feb. 22.
- Brooch or similar article. W. W. Hobé. 152,541, Feb. 1.
- Brooch or similar article. A. Katz. 152,694-7, Feb. 15.
- Brooch or similar article. A. Katz. 152,700, Feb. 15.
- Brooch or similar article. A. Katz. 152,974-5, Mar. 8.
- Brooch or similar article. A. Katz. 153,066-7, Mar. 15.
- Brooch or similar article. A. Katz. 153,527-8, Apr. 26.
- Brooch or similar article. A. Katz. 153,691-3, May 10.
- Brooch or similar article. A. Katz. 153,696, May 10.
- Brooch or similar article. A. Katz. 153,698-702, May 10.
- Brooch or similar article. A. Katz. 154,281, June 28.
- Brooch or similar article. A. Katz. 154,283-5, June 28.
- Brooch or similar article. A. Katz. 154,889, July 5.
- Brooch or similar article. A. Katz. 154,891-4, July 5.
- Brooch or similar article. A. Katz. 154,896-400, July 5.
- Brooch or similar article. A. Katz. 155,901, Nov. 8.
- Brooch or similar article. A. Katz. 156,111-13, Nov. 22.
- Brooch or similar article. A. Katz. 156,116, Nov. 22.
- Brooch or similar article. A. Katz. 156,118-23, Nov. 22.
- Brooch or similar article. A. Katz. 156,246, Nov. 29.
- Brooch or similar article. A. Katz. 156,249-53, Nov. 29.
- Brooch or similar article. A. Katz. 156,423-4, Dec. 13.
- Brooch or similar article. A. Katz. 156,426-30, Dec. 13.
- Brooch or similar article. A. Katz. 156,518, Dec. 20.
- Brooch or similar article. A. Katz. 156,520, Dec. 20.
- Brooch or similar article. A. Katz. 156,522-4, Dec. 20.
- Brooch or similar article. A. Katz. 156,527, Dec. 20.
- Brooch or similar article. A. Katz. 156,630, Dec. 27.
- Brooch or similar article. L. Kramer. 152,271, Jan. 4.
- Brooch or similar article. M. L. Petit. 152,823-4, Feb. 22.
- Brooch or similar article. A. Philippe. 152,366-7, Jan. 11.
- Brooch or similar article. A. Philippe. 153,017-19, Mar. 8.
- Brooch or similar article. A. Philippe. 153,077-83, Mar. 15.
- Brooch or similar article. A. Philippe. 153,307-11, Apr. 5.
- Brooch or similar article. A. Philippe. 153,379, Apr. 12.
- Brooch or similar article. A. Philippe. 153,385, Apr. 12.
- Brooch or similar article. A. Philippe. 153,388, Apr. 12.
- Brooch or similar article. A. Philippe. 153,390-3, Apr. 12.
- Brooch or similar article. A. Philippe. 154,429, July 5.
- Brooch or similar article. A. Philippe. 153,446-54, Apr. 19.
- Brooch or similar article. A. Philippe. 153,549-52, Apr. 26.
- Brooch or similar article. A. Philippe. 153,624-7, May 3.
- Brooch or similar article. A. Philippe. 153,629-30, May 3.
- Brooch or similar article. A. Philippe. 154,214, June 21.
- Brooch or similar article. A. Philippe. 154,306-7, June 28.
- Brooch or similar article. A. Philippe. 154,628-9, July 26.
- Brooch or similar article. A. Philippe. 155,181-2, Sept. 13.
- Brooch or similar article. A. Philippe. 155,185-90, Sept. 13.
- Brooch or similar article. A. Philippe. 155,193-202, Sept. 13.
- Bracelet or similar article. A. Philippe. 155,203, Sept. 13.
- Brooch or similar article. A. Philippe. 155,209-14, Sept. 13.
- Brooch or similar article. A. Philippe. 155,217-19, Sept. 13.
- Brooch or similar article. A. Philippe. 155,317-18, Sept. 20.
- Brooch or similar article. A. Philippe. 156,271-2, Nov. 29.
- Brooch or similar article. A. Philippe. 156,274, Nov. 29.
- Brooch or similar article. A. Philippe. 156,656, Dec. 27.
- Brooch or similar article. H. Stegmaier. 153,564, Apr. 26.
- Brooch or similar article. M. J. Wakeman. 152,845-6, Feb. 22.
- Brooch or similar article, Separable. A. Katz. 152,481, Jan. 25.
- Brooch or similar article, Separable. A. Katz. 153,068, Mar. 15.
- Brooch or similar article, Separable. A. Katz. 154,279, June 28.
- Brooch or similar article, Separable. A. Katz. 155,168-4, Sept. 13.
- Brooch or the like. M. Daudier. 155,075-6, Sept. 6.
- Brush. Hand. J. G. Baumgartner. 153,413, Apr. 19.
- Brush head, Fountain. J. Drubko. 153,507, Apr. 26.
- Brush, Lady's detachable handle. M. Ackerman. 156,473, Dec. 20.
- Brush, Nasal. C. S. Watson. 152,933, Mar. 1.
- Brush or the like, Electric scalp. O. S. Hershey. 154,542, July 19.
- Brush, Shaving. P. S. Paulsen, Sr. 154,426, July 5.
- Buckle. H. D. White. 154,448, July 5.
- Buckle member, Leather strap. L. Oppenheimer. 153,895, May 24.
- Buckle or similar article, Belt. G. A. Thoresen. 153,836, May 17.
- Buckle, Slide. H. J. Reiter. 156,660-2, Dec. 27.
- Building. J. V. Avila. 153,841, May 24.
- Building. G. B. Brown. 156,599, Dec. 27.
- Building. G. L. Constantine. 154,990, Aug. 30.
- Building. P. Copeland. 156,215, Nov. 29.
- Building. H. W. Davis and J. W. Weber. 153,505, Apr. 26.
- Building. G. K. Harris, Jr. 152,965-6, Mar. 8.
- Building. T. H. Hewlett. 152,968, Mar. 8.
- Building. J. A. King. 152,703, Feb. 15.
- Building. R. Pritchard. 154,875, Aug. 16.
- Building. H. S. Shannon. 153,043-4, Mar. 8.
- Building. H. S. Shannon. 153,180, Mar. 22.
- Building or similar article, Restaurant. O. Ferrill. 155,002, Aug. 30.
- Building structure. G. D. Tesch. 156,683, Dec. 27.
- Bulletin board, Outdoor advertising. H. A. Thuernau. 152,305, Jan. 4.
- Bumper and automobile grille, Combined. H. A. Darrin. 152,398, Jan. 18.
- Bumper and automobile grille, Combined. H. A. Darrin. 153,266, Apr. 5.
- Bunting or the like. I. Lustgarten. 156,446, Dec. 13.
- Burner or similar article, Heating oil. R. W. Beckett. 152,668, Feb. 15.
- Burner, Outdoor trash. T. V. Tankersley. 153,565, Apr. 26.
- Bus. G. S. Lawson. 153,884, May 24.
- Bus. E. P. Ramstrum. 154,806, Aug. 9.
- Bus cart or similar article. W. E. Williams. 152,666, Feb. 8.
- Button. E. D. Martin. 153,371, Apr. 12.
- Button, Garment. O. J. Lavaty. 155,017, Aug. 30.
- Button, Garment supporting. C. V. Moore. 153,442, Apr. 19.
- Button or the like, Lapel. D. Campbell. 156,072, Nov. 22.
- Cabinet. I. E. Berger. 153,491, Apr. 26.
- Cabinet. L. Guild and C. G. Towne. 154,920, Aug. 23.
- Cabinet. J. C. Young. 156,305, Nov. 29.
- Cabinet, Amusement machine. E. J. Collins. 152,241, Jan. 4.
- Cabinet and chair therefor, Combined sewing machine. A. Schukat. 154,453, July 12.
- Cabinet and soda fountain, Combined ice-cream. R. I. Gray. 154,675, Aug. 2.
- Cabinet and stand for cameras, Combined. G. R. Penn. 155,730, Oct. 25.
- Cabinet and table, Combined motor vehicle service. M. Gainsbro. 153,348, Apr. 12.
- Cabinet, Combination beverage cooling and dispensing. T. J. Blanchard and J. E. Oettinger. 154,457, July 12.
- Cabinet, Combination carbon paper and stationery. A. E. Johnson. 156,109, Nov. 22.
- Cabinet, Combination radio and phonograph. L. Gregory. 154,771, Aug. 9.
- Cabinet combination. Radio and table. W. Schlier and D. L. Doggett. 152,748, Feb. 15.
- Cabinet, Combination record player and radio. S. E. Adler. 155,862, Nov. 8.
- Cabinet, Combined gasoline and oil dispensing island. D. C. Peterson. 156,269, Nov. 29.
- Cabinet, Combined storage and self-serving. J. H. Lazar. 152,428, Jan. 18.
- Cabinet, Convector. J. O. Reinecke. 155,234, Sept. 13.
- Cabinet, Display. R. L. Flannery. 153,508, Apr. 26.
- Cabinet, Electrical control. W. G. Waggoner. 153,051, Mar. 8.
- Cabinet, Filing. T. G. Ward. 156,062, Nov. 15.
- Cabinet for a bottled beverage cooling unit or similar article. B. E. Freitag. 156,226, Nov. 29.
- Cabinet for a bottled beverage cooling unit or similar article. A. C. Wesche. 152,579, Feb. 1.
- Cabinet for a clothes drier. R. D. Shapter. 152,921, Mar. 1.
- Cabinet for a combined radio, television receiver, and phonograph. S. E. Adler. 156,474, Dec. 20.
- Cabinet for a heater or the like. L. H. Wilson. 153,655, May 3.
- Cabinet for automotive lubrication equipment. A. P. Fox and A. D. Reisert. 154,115, June 14.
- Cabinet for beverage vending machine. J. Vassos. 154,444, July 5.
- Cabinet for cigarette vending machine. F. L. Meagher. 154,410, July 5.
- Cabinet for lubricating equipment. A. P. Fox and A. D. Reisert. 153,782, May 17.
- Cabinet for lubricating equipment. A. P. Fox and A. D. Reisert. 155,692, Oct. 25.
- Cabinet for phonographs, Remote control selector. J. J. Clement and H. C. Kline, Jr. 153,116, Mar. 22.
- Cabinet for phonographs, Remote control selector. P. M. Fuller. 153,425, Apr. 19.
- Cabinet for radio phonograph combinations. L. Trank. 153,483, Apr. 19.
- Cabinet, Frozen food storage and display. J. W. P. Fleming. 156,415, Dec. 13.

- Cabinet, Game. R. Wade. 152,932, Mar. 1.
 Cabinet, Ironing. G. E. Kennedy. 154,288, June 28.
 Cabinet, Kitchen. E. G. Durkin. 156,491, Dec. 20.
 Cabinet, Kitchen. C. W. Sundberg and M. Ferar. 155,538, Oct. 11.
 Cabinet, Kitchen utility. P. B. Maunde and O. E. Gilmer. 156,548, Dec. 20.
 Cabinet, Lavatory. F. E. Huss and G. C. Shepard. 154,924, Aug. 23.
 Cabinet, Lubricator. T. L. Hand. 156,621, Dec. 27.
 Cabinet, Merchandising display and storage. J. J. Corrigan. 153,208, Mar. 29.
 Cabinet, Milk dispensing. L. B. Rasmusson. 156,279, Nov. 29.
 Cabinet or similar article. S. Ben-Ari. 152,585, Feb. 8.
 Cabinet or similar article, Gas console heater. H. D. Edwards. 152,682, Feb. 15.
 Cabinet or similar article, Interoffice communication. J. Palma, Jr. 153,012, Mar. 8.
 Cabinet or similar article, Interoffice communication. J. Palma, Jr. 154,626, July 26.
 Cabinet or similar article, Radio. W. de L. Meyers. 156,265, Nov. 29.
 Cabinet or the like, Clothes and shoe. A. P. Finkelstein. 154,199, June 21.
 Cabinet or the like, Combination radio and phonograph. R. M. Alamon. 155,764, Nov. 1.
 Cabinet or the like, Lubricant. F. Wagner. 153,569-70, Apr. 26.
 Cabinet or the like, Lubrication. C. W. Ginter. 153,517, Apr. 26.
 Cabinet or the like, Radiator. J. Israel. 152,545, Feb. 1.
 Cabinet or the like, Space cooler. J. H. Schreiber. 152,372, Jan. 11.
 Cabinet, Overbed utility. G. Sands. 156,043, Nov. 15.
 Cabinet, Phonograph. R. E. Brandenburger, Sr. 152,670, Feb. 15.
 Cabinet, Phonograph. P. M. Fuller. 153,276, Apr. 5.
 Cabinet, Phonograph. P. M. Fuller. 153,675, May 10.
 Cabinet, Phonograph. W. A. Reed. 156,372, Dec. 6.
 Cabinet, Phonograph. C. W. D. Schaefer. 156,375, Dec. 6.
 Cabinet, Phonograph. T. A. Schwartz. 156,378, Dec. 6.
 Cabinet, Radio. W. J. Condon. 156,605, Dec. 27.
 Cabinet, Radio. L. Gregory. 153,148, Mar. 22.
 Cabinet, Radio. W. Schier and D. L. Doggett. 153,040, Mar. 8.
 Cabinet, Radio. W. Schier and D. L. Doggett. 153,323, Apr. 5.
 Cabinet, Radio. D. Swibold. 156,580, Dec. 20.
 Cabinet, Radio. E. F. Tresner. 156,583, Dec. 20.
 Cabinet, Radio phonograph. L. G. Stone. 152,839-40, Feb. 22.
 Cabinet, Radio phonograph. L. G. Stone. 153,646, May 3.
 Cabinet, Record. W. W. Weaver. 152,384, Jan. 11.
 Cabinet, Refrigerator. T. H. Koeber. 152,985, Mar. 8.
 Cabinet, Refrigerator. H. Van Doren and L. J. Amore. 154,982-3, Aug. 23.
 Cabinet, Refrigerator. H. Van Doren and R. A. May. 154,964, Aug. 23.
 Cabinet, Sewing. G. K. Dixon. 156,221, Nov. 29.
 Cabinet, Space heater. M. Ferar and C. W. Sundberg. 153,061-2, Mar. 15.
 Cabinet, speaker, screen, and projector, Combined television. V. Trad. 155,849, Nov. 1.
 Cabinet, Telephone switchboard. A. C. Kirshner. 156,347, Dec. 6.
 Cabinet, Television. L. G. Stone. 155,848, Nov. 1.
 Cabinet, Television. L. G. Stone. 156,575-6, Dec. 20.
 Cabinet, Television. A. P. Young and W. Maslo. 156,395, Dec. 6.
 Cabinet, Television receiver. A. L. Jenks. 152,266, Jan. 4.
 Cabinet, Therapeutic. G. H. Hansen, G. J. Schroer, and C. J. Curtis. 153,794, May 17.
 Cabinet, Tone. W. C. Ernst. 156,614, Dec. 27.
 Cabinet, Utility. I. Mushta. 154,419, July 5.
 Cabinet, Vending machine. P. Copeland. 154,662, Aug. 2.
 Cabinet, Vending machine. E. H. Smiley and F. K. Storm, Jr. 155,634, Oct. 18.
 Cabinet, Washing machine. M. H. Boldt. 153,921, May 31.
 Cake box or the like, Souvenir. N. Alba. 155,374, Oct. 4.
 Calculating machine. T. O. Mehan. 156,263-4, Nov. 29.
 Calculating machine, Electronic. T. O. Mehan. 156,262, Nov. 29.
 Calendar and desk pad unit, Combined. E. Frankl. 153,596, May 3.
 Calendar and memorandum pad unit, Combination desk. H. G. Davis. 155,077, Sept. 6.
 Calendar and pad holder, Combined. C. B. Woofter. 155,958, Nov. 8.
 Calendar, Desk. A. R. Welch. 154,826, Aug. 9.
 Calendar or the like. W. F. Rothe. 154,957, Aug. 23.
 Camera. F. W. Hertzler. 154,850, Aug. 16.
 Camera back or similar article. C. G. Strang. 152,380, Jan. 11.
 Camera, Photographic. J. Bolsey. 155,264, Sept. 20.
 Camera, Photographic. L. A. R. Bouchetal. 154,985, Aug. 30.
 Camisole or similar article. H. Colton. 153,122, Mar. 22.
 Can opener, bottle opener, and gripping tool, Combined. E. M. Fisher. 154,375, July 5.
 Can or similar article. G. C. Erb. 153,270, Apr. 5.
 Can or similar article. G. C. Erb. 153,591, May 3.
 Can punch and bottle opener, Combined. W. H. Joyce. 153,359, Apr. 12.
 Candelabra and flower holder, Combined. E. J. Wolter. 156,472, Dec. 13.
 Candelabrum. G. R. Banker. 154,231, June 28.
 Candelabrum and flower holder, Combined. J. D. Bussey. 154,901, Aug. 23.
 Candelabrum arm or similar article. W. L. Orme. 154,796, Aug. 9.
 Candle, Decorative artificial. G. W. Kellogg. 152,702, Feb. 15.
 Candleholder. C. Fischett. 155,278, Sept. 20.
 Candle holder and epergne, Combined. W. T. Heintze. 153,065, Mar. 15.
 Candlestick. W. T. Heintze. 152,967, Mar. 8.
 Candlestick. A. P. Lindblad. 153,369, Apr. 12.
 Candlestick. G. Sakier. 153,037-8, Mar. 8.
 Candlestick or similar article. F. Friedman. 156,499, Dec. 20.
 Candlestick or the like. B. Ulvad. 153,650, May 3.
 Cane, Invalid's. L. B. Schroeder. 156,567, Dec. 20.
 Canopy. S. B. Korman and M. Harrison. 154,550, July 19.
 Cap. A. Cohn. 156,408, Dec. 13.
 Cap and eye shield, Combination. S. Feldman. 153,778, May 17.
 Cap and latch for screen holder, Combined. J. T. Heck, L. J. Du Mals, and C. O. Talbot. 152,538, Feb. 1.
 Cap, Child's. B. Levine. 156,442, Dec. 13.
 Cap, Closure. C. W. Fuller. 154,378, July 5.
 Cap, Closure. C. W. Fuller. 155,144, Sept. 13.
 Cap, Closure. C. W. Fuller. 156,090, Nov. 22.
 Cap, Container. L. Baron. 153,100, Mar. 22.
 Cap, Container. L. Baron. 153,912, May 31.
 Cap, Container. L. Baron. 155,260, Sept. 20.
 Cap, Container. L. Baron. 156,193, Nov. 29.
 Cap, Container. W. N. Connolly. 152,327, Jan. 11.
 Cap, Container. A. H. Jung. 152,479, Jan. 25.
 Cap, Container. A. H. Jung. 153,945-51, May 31.
 Cap, Container. A. H. Jung. 154,042, June 7.
 Cap, Container. A. H. Jung. 154,204, June 21.
 Cap, Container. J. Kronman. 152,625, Feb. 8.
 Cap for a writing instrument. A. S. Weston. 154,521-3, July 12.
 Cap for fishing reel, End. J. J. Couzens. 153,265, Apr. 5.
 Cap for tire valve stems, Dust. A. H. Marchus. 153,441, Apr. 19.
 Cap, Grease fitting. L. H. Rosenthal. 156,280, Nov. 29.
 Cap or similar article, Bottle. F. M. Breen. 153,583, May 3.
 Cap or similar article, Bottle. J. J. Lynch. 156,019, Nov. 15.
 Cap or similar article, Container. G. Pavlinetz. 152,724, Feb. 15.
 Cap or similar article, Container. G. Pavlinetz. 155,180, Sept. 13.
 Cap or the like. T. Noped. 155,443-4, Oct. 4.
 Cap, Railroaders'. A. O. Hatfield. 152,265, Jan. 4.
 Cap, Screw. J. L. Lay. 153,956, May 31.
 Capacitor, High-voltage. A. G. Kling and B. H. Marks. 156,257, Nov. 29.
 Car, Amusement ride. J. E. Mitchell. 156,023, Nov. 15.
 Car body, Railway. F. L. Murphy and J. E. Candlin, Jr. 155,622, Oct. 18.
 Car body, Railway dining. R. W. Haman. 153,603, May 3.
 Car body, Railway dining. F. L. Murphy and R. W. Haman. 153,618, May 3.
 Car, Mine passenger. H. F. Flowers. 154,760, Aug. 9.
 Carriage for an oxygenator and resuscitator. R. G. Fox. 155,797, Nov. 1.
 Carriage, walker, and rocker, Combination. L. Wenpetren. 156,390, Dec. 6.
 Carrier, Bottle. O. R. Brekle. 153,113, Mar. 22.
 Carrier, Bottle. P. F. Danielson. 155,392, Oct. 4.
 Carrier, Bottle. J. K. Laier. 153,882, May 24.
 Carrier, Bottle. E. T. Wahlbom. 155,661, Oct. 18.
 Carrier, Capsule. M. R. Fields. 154,669, Aug. 2.
 Carrier, Casket. J. B. Butler. 153,205, Mar. 29.
 Carrier, Combined bowling ball and shoe. M. L. Haney. 155,155, Sept. 13.
 Carrier, Floating soap. A. M. Travis. 154,646, July 26.
 Carrier for capsules and the like. M. R. Fields. 156,330, Dec. 6.
 Carrier for motorcycles, Luggage. A. T. Comiskey, Sr., and C. A. Comiskey. 155,391, Oct. 4.
 Carrier for vacuum cleaner and accessories or the like, Mobile. J. L. and M. G. Zver. 153,744, May 10.
 Cart, Doll. E. Santay. 155,749, Oct. 25.
 Cart for service stations and the like, Service. A. P. Fox. 152,249, Jan. 4.
 Cart, Hot dog vending. S. J. and E. L. Loyacano. 154,788, Aug. 9.
 Cart or similar article, Shopping. G. W. Concklin. 155,971, Nov. 15.
 Cart or the like, Collapsible utility. H. Stoll. 155,640, Oct. 18.
 Cart, Serving. J. J. McMahon. 156,361, Dec. 6.
 Carton. J. Binder. 152,765, Feb. 22.

- Carton. J. Binder. 152,935, Mar. 8.
 Carton. J. Cohen. 155,389, Oct. 4.
 Carton, Bakery. R. Ash. 156,308, Dec. 6.
 Carton, Egg. J. W. Lennon. 155,092, Sept. 6.
 Case and band, Combined wrist watch. S. B. Glass. 152,417, Jan. 18.
 Case and perfume vial, Combined lipstick. I. M. Lang. 152,547, Feb. 1.
 Case, Beverage bottle. A. J. Gerber. 153,277, Apr. 5.
 Case, Beverage bottle. T. Schmidt. 154,433, July 5.
 Case, Bottle carrying. R. W. Stevenson. 156,179-80, Nov. 22.
 Case, Carrying. J. F. Horton, Jr., and R. S. Lee. 156,107, Nov. 22.
 Case, Combination portable electric motion-picture camera and battery. C. P. Lent. 152,627, Feb. 8.
 Case, Combined cooking and display. G. H. Bushway. 155,577, Oct. 18.
 Case, Combined eye shadow and rouge. E. N. Graham. 153,938, May 31.
 Case, Display. G. E. Millard. 152,555, Feb. 1.
 Case, Display. H. L. Pearson. 153,306, Apr. 5.
 Case, Display. P. M. Rensing. 153,321, Apr. 5.
 Case, Door lock. C. A. Hillgren. 155,158, Sept. 13.
 Case, Flashlight. P. C. Haas. 153,282, Apr. 5.
 Case for a hearing aid amplifier unit. R. B. Bland. 153,576-7, May 3.
 Case for a radio. D. M. King and A. Wewetzer. 155,905, Nov. 8.
 Case for an outboard motor, Gear. E. C. Kiekhaefer. 155,904, Nov. 8.
 Case for carrying milk bottles and the like. E. R. Erickson. 156,327, Dec. 6.
 Case for drill bits or other slender articles. R. Linneman. 153,069, Mar. 15.
 Case for exposure meter or similar article. N. H. Weiss. 156,685, Dec. 27.
 Case for fuel consumption gauge. W. H. Snow. 156,571, Dec. 20.
 Case for rare postage stamps, Combination portable display and storage. C. P. Meyer. 155,618, Oct. 18.
 Case, Hand luggage. G. G. Barton. 153,914, May 31.
 Case, Jewelry. W. Braun. 153,257, Apr. 5.
 Case, Key. R. P. McNeil. 153,159, Mar. 22.
 Case, Lady's hat and shoe. N. D. Rinehart. 152,653, Feb. 8.
 Case, Lipstick. R. P. Lewis. 156,018, Nov. 15.
 Case, Manicure. W. W. Brown. 154,587, July 26.
 Case, Match book. R. T. Sporman. 152,751, Feb. 15.
 Case, Measuring instrument. G. Banever. 152,582, Feb. 8.
 Case, Molded bottle carrying. H. Richards. 152,906-7, Mar. 1.
 Case, Movie projector carrying. H. E. Nelson and F. Lustig. 154,623, July 26.
 Case or a similar article, Luggage. L. Horwitz. 153,688, May 10.
 Case or similar article, Clock. A. Levy. 155,616, Oct. 18.
 Case or similar article, Goggle. C. Castelli. 155,480, Oct. 11.
 Case or similar article, Milk bottle. E. R. Erickson. 152,462, Jan. 25.
 Case or similar article, Wristwatch. R. L. Chipman, Jr. 155,780, Nov. 1.
 Case or the like, Hand luggage. C. Doppelt. 154,247, June 28.
 Case or the like, Lipstick. J. L. Livermore. 156,259, Nov. 29.
 Case, Piano. W. Millington and W. M. Day. 154,867, Aug. 16.
 Case, Piano. W. Millington and W. M. Day. 156,451, Dec. 13.
 Case, Spectacle. R. E. Dingman. 153,267, Apr. 5.
 Case, Vanity. C. Arpels. 153,096, Mar. 22.
 Case, Watch. H. Dinhofer. 152,870, Mar. 1.
 Case, Watch. H. Dinhofer. 153,771-4, May 17.
 Casing for a billiard scoring device or the like. R. K. Morse. 155,621, Oct. 18.
 Casing for a strip cutting machine. V. J. Sigoda. 154,715, Aug. 2.
 Casing for a writing instrument, Nonmetallic. J. P. Gowlund. 155,996, Nov. 15.
 Casing for an electric heater. C. W. Sundberg. 155,243, Sept. 13.
 Case for bottled beverages, Refrigerating. E. C. Johnson and J. E. Hagstrom. 155,709, Oct. 25.
 Casing for dry cleaning machines. P. Schladermundt, C. L. Metzler, and E. E. Hallander. 152,499, Jan. 25.
 Casing for heater or similar article. A. F. Wedderspoon. 156,589, Dec. 20.
 Casing for metalworking machine for working on elongated stock. R. A. Johnson. 154,387, July 5.
 Casing for punchboards. F. J. Merhar. 154,412, July 5.
 Casing for remotely operated devices, Remote-control. J. A. Lombard. 154,405, July 5.
 Casing for shower valve. H. H. Logan. 154,500, July 12.
 Casing head for weighing scales or similar article. G. D. Barok. 154,232, June 28.
 Casing, Hearing aid. D. B. Hull. 153,150, Mar. 22.
 Casing, Heater. C. W. Sundberg and M. Ferar. 152,929, Mar. 1.
 Casing, Illuminable sign. L. E. Peters. 154,952, Aug. 23.
 Casing, Lock or latch. W. R. Ferry. 153,341, Apr. 12.
 Casing or similar article, Lamp. W. Y. Stamper and L. Z. La Forest. 155,459, Oct. 4.
 Casing or the like, Thermostat. E. C. Lee. 155,351, Sept. 27.
 Casing, Parking meter. R. F. Broussard. 152,392, Jan. 18.
 Casing, Space heater. C. E. Newton. 153,009-10, Mar. 8.
 Casing, Suction cleaner. H. Dreyfuss. 154,027, June 7.
 Casing, Suction cleaner. J. Pickford and R. A. Lambert. 156,168, Nov. 22.
 Casing, Toaster. W. M. and D. W. Cox. 155,128, Sept. 13.
 Casing, Unit heater. J. Teague. 152,302, Jan. 4.
 Casing, Vehicle signal. M. Steigel. 152,663, Feb. 8.
 Casing, Washing machine. D. Chapman and A. J. Wiltshire. 152,865, Mar. 1.
 Casket, Burial. F. T. Paden. 153,166-7, Mar. 22.
 Caster and perfume holders, Combination. J. Duberstein. 153,589, May 3.
 Casting for bicycle, Head. J. Dougherty. 155,787, Nov. 1.
 Chain, Adjustable ornamental. L. Kramer. 153,153, Mar. 22.
 Chain for a bracelet or similar article. M. Chernow. 153,764, May 17.
 Chain for a bracelet or similar article. M. Chernow. 155,873, Nov. 8.
 Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 155,257, Sept. 20.
 Chain for a bracelet or similar article, Expansible. G. A. Ingleby. 154,779, Aug. 9.
 Chain for a bracelet or similar article, Expansible. A. W. Koppell. 152,623, Feb. 8.
 Chain for a bracelet or similar article, Link. M. Chernow. 152,867-9, Mar. 1.
 Chain for a bracelet or similar article, Link. M. Chernow. 154,240, June 28.
 Chain for a bracelet or similar article, Link. M. Chernow. 156,603, Dec. 27.
 Chain for a bracelet, or similar article, Link. J. Goldblatt. 152,958, Mar. 8.
 Chain for a bracelet or similar article, Link. H. Reinstein. 152,289, Jan. 4.
 Chain for a bracelet or the like, Expansible link. J. M. Bender. 152,449-50, Jan. 25.
 Chain for a bracelet or the like, Expansible link. J. M. Bender. 154,455, July 12.
 Chain for a bracelet or the like, Expansible link. J. M. Bender. 154,980-3, Aug. 30.
 Chain for a bracelet or the like, Expansible link. J. M. Bender. 155,380, Oct. 4.
 Chain for a bracelet or the like, Link. M. Chernow. 153,207, Mar. 29.
 Chain for a necklace or similar article. H. Bogoff. 154,657, Aug. 2.
 Chain for a watch band or similar article. S. Esposito and D. Vassaluzzo. 155,136, Sept. 13.
 Chain for a wristband or similar article. A. Pinson. 155,449-50, Oct. 4.
 Chain, Jewelry. P. Bardach. 153,753-5, May 17.
 Chain, Jewelry. P. Bardach. 154,020, June 7.
 Chain, Jewelry. A. S. Spear. 154,076-8, June 7.
 Chain, Key. P. S. Zahora. 153,839, May 17.
 Chair. A. J. Bellin. 153,101, Mar. 22.
 Chair. W. N. Brazauski. 153,850, May 24.
 Chair. C. Eames. 155,272-3, Sept. 20.
 Chair. J. H. Fraser. 153,932, May 31.
 Chair. A. S. Goldberg. 156,229, Nov. 29.
 Chair. F. D. Hager. 153,875, May 24.
 Chair. J. J. Lubberts and L. J. Mulder. 152,895, Mar. 1.
 Chair. T. T. Michals. 155,023, Aug. 30.
 Chair. F. T. Paden. 155,728, Oct. 25.
 Chair. P. Schladermundt and C. L. Metzler. 156,376, Dec. 6.
 Chair. H. Sebel. 153,041, Mar. 8.
 Chair. J. R. Staudt and R. E. Goddard. 152,837, Feb. 22.
 Chair and vibrator, Combined. J. Werner and A. H. Zeigler. 154,087, June 7.
 Chair and vibrator, Combined. J. Werner and A. H. Zeigler. 155,662-3, Oct. 18.
 Chair, armrest, and vibrator, Combined. J. Werner and A. H. Zeigler. 155,664, Oct. 18.
 Chair, Child's. E. A. Ward. 153,838, May 17.
 Chair, Child's foldable. G. E. Frush. 153,870, May 24.
 Chair, Easy. C. Eames. 155,275, Sept. 20.
 Chair for cerebral palsied children, Adjustable. L. H. Klein. 156,435, Dec. 13.
 Chair, Glider. C. W. Nelems. 153,162, Mar. 22.
 Chair, High. R. Di Giorgio. 153,672, May 10.
 Chair, High. W. W. Waaranan. 152,383, Jan. 11.
 Chair, ironing board, and stepladder, Combination. P. B. Balavny. 153,488, Apr. 26.
 Chair, Lounging. K. Kipp. 155,013, Aug. 30.
 Chair or similar article. D. S. Erwin. 155,880, Nov. 8.
 Chair or similar article, Reclining. E. J. Lux. 152,346, Jan. 11.
 Chair, Reclining. J. R. Staudt and R. E. Goddard. 153,735, May 10.
 Chair, Rocker-glider. E. C. Allmand. 154,356, July 5.
 Chair, Rocking. L. M. J. Foulke. 152,333, Jan. 11.

- Chair, Tilt-back. C. Eames. 155,274, Sept. 20.
 Chair, Upholstered. E. Eck. 154,841, Aug. 16.
 Chair, Upholstered. E. Eck. 155,081, Sept. 6.
 Chalk holder and ash tray or the like, Combination. C. A. Sundell. 156,053, Nov. 15.
 Chaps for gardening or like purposes. S. F. Beatty. 156,400, Dec. 13.
 Charm or similar article. K. A. Harrington. 153,795, May 17.
 Charm or similar article. F. Schneebaum. 155,633, Oct. 18.
 Checking machine, Gear. K. A. Van Dyck. 154,821, Aug. 9.
 Checking machine, Gear. K. A. Van Dyck. 156,388, Dec. 6.
 Chest. J. J. Gilmore. 153,933, May 31.
 Chest and hutch, Combination. J. G. Osborn. 154,060, June 7.
 Chest, Folding jewel. C. C. Settle. 153,828, May 17.
 Chest of drawers. R. W. Neville. 154,949, Aug. 23.
 Chest or similar article, Cake. M. S. Dumke. 154,197, June 21.
 Chime. G. L. Bossard. 155,072, Sept. 6.
 Chime signal. G. L. Bossard. 153,415, Apr. 19.
 Chopper, Meat. R. D. Parry. 153,169, Mar. 22.
 Christmas decoration, Illuminable. H. G. Sundheim, Jr. 155,460, Oct. 4.
 Cigarette box, ash tray, and match holder, Combined. C. H. Strange. 156,577, Dec. 20.
 Cigarette holder and ash receiver, Combined. H. Krohnen-gold. 152,624, Feb. 8.
 Cigarette holder and ash receptacle or similar article, Combination. J. Davis. 155,876, Nov. 8.
 Cigarette holder and ash tray, Combined. C. G. Johnson. 154,857, Aug. 16.
 Cigarette holder, ash tray, and lighter, Combination. A. M. Calcagno. 156,601, Dec. 27.
 Cigarette humidior and ash tray, Combined. J. A. Hussar. 154,778, Aug. 9.
 Cigarette lighter and coin container, Combined. S. A. Love. 156,639, Dec. 27.
 Cigarette lighter and container for lighter fuel, Combined. R. R. Eratico. 156,493, Dec. 20.
 Cigarette lighter and holder, Combined. S. A. Love. 156,641, Dec. 27.
 Cinch. A. F. Holly. 156,106, Nov. 22.
 Circuit making device. E. Wisniewsky. 156,393, Dec. 6.
 Clamp. D. C. Blackmon. 154,898, Aug. 23.
 Clamp. J. Oros and G. R. Dawson. 152,351, Jan. 11.
 Clamp and holding device, Magnetic grounding contact. L. J. Ebert. 156,411-12, Dec. 13.
 Clasp. A. S. Spear. 154,073-5, June 7.
 Clasp, Bracelet. P. Bardach. 154,527, July 19.
 Clasp for jewelry. A. Philippe. 153,022, Mar. 8.
 Cleaner and tester, Combination spark plug. G. C. Gettel-man. 154,380, July 5.
 Cleaner, Combination comb and brush. N. L. Solomon. 152,923, Mar. 1.
 Cleaner for automobiles or the like, Steam. A. C. Fletcher. 153,780, May 17.
 Cleaner, Suction. H. Dreyfuss. 153,424, Apr. 19.
 Cleaner, Toilet bowl. E. B. de Mesquita. 155,489, Oct. 11.
 Cleaner, Vacuum. F. K. Storm, Jr. 155,550, Oct. 11.
 Cleaner, Venetian blind. L. Franchi. 154,595, July 26.
 Cleaning and scraping device, Combined. S. C. Seley. 152,375, Jan. 11.
 Cleaning device, Shoe. P. Stahel. 154,722, Aug. 2.
 Cleaning machine, Sewer. J. J. Rausch. 152,651, Feb. 8.
 Clip. L. Oatman. 153,539, Apr. 26.
 Clip and cap for ball pens or the like, Combination. M. J. Waldinger. 152,510, Jan. 25.
 Clip and holder, Blanket. S. Tharler. 155,654, Oct. 18.
 Clip and point protector for fountain pens or the like, Combined. M. J. Waldinger. 152,509, Jan. 25.
 Clip, Chain tie. H. C. Vaisey. 152,307, Jan. 4.
 Clip, Currency. H. P. Harmon, Jr. 156,622-3, Dec. 27.
 Clip finding, Ear. K. F. Hoeckele. 153,800, May 17.
 Clip, Holding. J. K. Reed. 156,659, Dec. 27.
 Clip or similar article. M. Boucher. 155,681-2, Oct. 25.
 Clip or similar article, Ear. M. Duvalet. 152,681, Feb. 15.
 Clip or similar article, Pencil. F. Winter. 153,656, May 3.
 Clip or similar article, Pendant. M. Duvalet. 154,591-2, July 26.
 Clip or similar article, Pin. A. Katz. 152,698, Feb. 15.
 Clip or similar article, Pin. A. Katz. 156,422, Dec. 13.
 Clip or similar article, Pin. A. Katz. 156,525, Dec. 20.
 Clip or similar article, Pin. A. Katz. 156,528-9, Dec. 20.
 Clip or similar article, Tie. I. M. Lang. 156,634, Dec. 27.
 Clip, Pen and pencil. F. P. Griffith. 154,035, June 7.
 Clipper, Electric hair. E. M. Brown. 153,057, Mar. 15.
 Clipper or similar article, Cuticle. A. Henkel. 156,233, Nov. 29.
 Clock. L. B. Arenson. 153,199, Mar. 29.
 Clock. H. Dreyfuss. 154,995, Aug. 30.
 Clock. S. E. Koplar. 153,611, May 3.
 Clock. B. Lerman. 152,808, Feb. 22.
 Clock. A. J. Nelson. 153,619, May 3.
 Clock. J. H. O'Brien. 153,073, Mar. 15.
 Clock, Advertising. H. S. Greenstone. 154,604, July 26.
 Clock, Desk. L. M. Dekanski. 153,420, Apr. 19.
 Clock, Wall. N. J. Faniola. 155,405, Oct. 4.
 Clock, Wall. A. J. Nelson. 153,163, Mar. 22.
 Clothespin. K. Cox. 154,991, Aug. 30.
 Clothespin. J. H. Robertson. 155,925, Nov. 8.
 Clothespin. J. Stanley, Sr., and J. Stanley, Jr. 153,644, May 3.
 Clothespin. J. Wallen. 155,052, Aug. 30.
 Clothespin, Plastic. L. P. Clark. 154,989, Aug. 30.
 Clothespin, Plastic. J. B. Tegarty. 153,047-9, Mar. 8.
 Clothes tree. H. G. Liebherr. 153,533, Apr. 26.
 Clothes tree. M. Mannheimer. 156,022, Nov. 15.
 Coaster. T. A. Steeds and R. C. Prall. 154,220, June 21.
 Coaster and ash receiver, Combined. R. L. Walters. 154,447, July 5.
 Coaster and ash tray holder, Combination. C. Mankouski. 154,556, July 19.
 Coaster, Glass holding. G. C. Robinson. 156,562, Dec. 20.
 Coat. A. Burell. 155,478, Oct. 11.
 Coat. B. Chalk. 153,263, Apr. 6.
 Coat. S. Cohen. 153,121, Mar. 22.
 Coat. B. Fischer. 155,794-6, Nov. 1.
 Coat. B. Fischer. 155,979, Nov. 15.
 Coat. J. Freedman. 152,251, Jan. 4.
 Coat. J. Freedman. 153,133-4, Mar. 22.
 Coat. J. Freedman. 153,589-90, Oct. 18.
 Coat. J. Freedman. 155,593, Oct. 18.
 Coat. J. Frumkes. 153,138, Mar. 22.
 Coat. J. Frumkes. 152,464-7, Jan. 25.
 Coat. J. Frumkes. 155,141-3, Sept. 13.
 Coat. J. Frumkes. 155,700, Oct. 25.
 Coat. J. Frumkes. 155,984-92, Nov. 15.
 Coat. J. Frumkes. 155,994, Nov. 15.
 Coat. H. Goldberg. 155,497-501, Oct. 11.
 Coat. H. Goldberg. 155,885, Nov. 8.
 Coat. N. Holtzman. 153,220, Mar. 29.
 Coat. G. Reiter. 155,540, Oct. 11.
 Coat. M. P. Sonberg. 156,051, Nov. 15.
 Coat. J. F. Strassner. 152,298, Jan. 4.
 Coat. J. F. Strassner. 152,300, Jan. 4.
 Coat. J. F. Strassner. 155,554-5, Oct. 11.
 Coat or the like. R. Trigere. 152,508, Jan. 25.
 Coat, Reversible. J. Block. 156,195, Nov. 29.
 Coat, Suit. M. Sandler. 156,374, Dec. 6.
 Coffee grinder or the like. D. S. Isrin. 155,428, Oct. 4.
 Coffee maker. J. E. Fishelson. 153,342, Apr. 12.
 Coffee maker. A. S. Levin. 156,637, Dec. 27.
 Coffee maker. P. Muller-Munk. 156,147, Nov. 22.
 Coffee maker. E. S. Portukalian. 154,953, Aug. 23.
 Coffee maker. E. H. Thompson. 155,244, Sept. 13.
 Coffee maker lower bowl. H. G. Blakeslee. 153,493, Apr. 26.
 Coffee maker or similar article. G. Robbiati. 153,826, May 17.
 Coffepot. S. E. Iredale. 153,358, Apr. 12.
 Coil winding machine. H. W. Moore. 152,350, Jan. 11.
 Coin bank. T. D. O'Malley. 156,365, Dec. 6.
 Coin bank. R. L. Rust. 156,672, Dec. 27.
 Coin changer. J. S. Gassaway. 155,884, Nov. 8.
 Coin holder and container, Combined. S. A. Love. 156,640, Dec. 27.
 Coin or token device for automobiles, Toll. A. Zitenfeld and J. Weil. 154,353-4, June 28.
 Coin purse or similar article. J. H. Blackwell. 156,402, Dec. 13.
 Coin, Toll, or token device for automobiles. A. Zitenfeld and J. Weil. 154,089, June 7.
 Collar and handle for a coffee maker bowl or the like, Combined. H. G. Blakeslee. 152,451, Jan. 25.
 Collar or similar article, Embroidered lace. W. Kohn. 155,812, Nov. 1.
 Comb. T. Friedman. 153,344-7, Apr. 12.
 Comb. E. J. Lux. 153,299, Apr. 5.
 Comb. P. J. Morroni. 156,024, Nov. 15.
 Comb. A. F. Pope. 153,031, Mar. 8.
 Comb and safety hair cutter, Combination. M. Lazar. 154,784, Aug. 9.
 Comb or the like. B. Ulvad. 155,464, Oct. 4.
 Comb, Ring. S. Kovacs and D. J. Fulkerson. 154,205, June 21.
 Comb, Round. R. Humphreys. 154,126, June 14.
 Combination paper dispenser and spice container holder. W. E. Mell. 154,944, Aug. 23.
 Commode. A. J. Buckner. 154,659, Aug. 2.
 Commode. R. W. Neville. 154,948, Aug. 23.
 Commode, Infant's. J. H. Moeller. 154,946, Aug. 23.
 Compact. P. Flato. 155,408-9, Oct. 4.
 Compact, Beauty. S. Payne. 152,725, Feb. 15.
 Compact key and money clip or the like, Combined. G. E. Georganta. 153,677, May 10.
 Compact or similar article. P. Flato. 153,509-11, Apr. 26.
 Compact or similar article. P. E. Flato. 155,410, Oct. 4.
 Compact or similar article. P. E. Flato. 156,495-6, Dec. 20.
 Compact or similar article. W. H. Leavin. 155,521, Oct. 11.
 Comparator. H. Rosengren. 152,387, Jan. 11.
 Comparator, Optical. H. Rosengren. 152,368, Jan. 11.
 Compass, Beam. A. F. Stephen. 152,838, Feb. 22.
 Cone, Ice-cream. C. Reineke, Jr. 153,394, Apr. 12.
 Confectionery package. H. A. Van Gestel. 155,850, Nov. 1.
 Confectionery product. E. L. Elwell. 154,998, Aug. 30.

- Connection, Electrical plug. W. T. Gossard. 155,149, Sept. 13.
- Connector, Electric. H. B. Gould. 152,258, Jan. 4.
- Connector, Electric plug. W. T. Gossard. 155,502, Oct. 11.
- Connector, Pigtail electric. C. H. Thompson. 156,183, Nov. 22.
- Console bar with aquarium. M. Buxbaum and M. Lebensfeld. 152,456, Jan. 25.
- Container, Bill. W. E. Hilby. 153,606-7, May 3.
- Container, Boxlike. W. A. Eaton. 153,268, Apr. 5.
- Container, Coin. J. Taylor. 155,750, Oct. 25.
- Container, Combined hair curler and bobby pin. M. Wajdik. 152,844, Feb. 22.
- Container, Deodorant. A. J. Kangas. 152,787, Feb. 22.
- Container, Dispensing beverage. D. Godorov. 153,145, Mar. 22.
- Container, Display. J. O. Reinecke. 153,636, May 3.
- Container, Eyelash curler. W. R. Tuttle and W. J. Beldue. 156,295, Nov. 29.
- Container, Fitting ring. L. Coel. 156,321, Dec. 6.
- Container for a liquid. R. R. Eratico. 154,999, Aug. 30.
- Container for barbers' clippers and vibrators. A. L. McDowell. 156,358, Dec. 6.
- Container for candy or the like. S. H. Berg. 153,916, May 31.
- Container for cigarettes and like cylindrical objects. A. E. Hawkins. 154,677, Aug. 2.
- Container for cosmetics and closure therefor, Combination. F. P. Hageman, V. I. Mora, and H. C. Richardson. 153,793, May 17.
- Container for cosmetics and the like. L. Medgyes. 155,525, Oct. 11.
- Container for ice cream or candy. O. Peist. 155,103, Sept. 6.
- Container for liquid cosmetics. M. Herrera. 153,353, Apr. 12.
- Container for liquids. E. V. Alvarez. 155,963, Nov. 15.
- Container for nail polish or similar article. C. W. Gardiner. 156,091, Nov. 22.
- Container for nursing bottles, Protective. W. M. Ellsworth. 155,135, Sept. 13.
- Container for powdered soap or similar article. F. Barnes. 152,513, Feb. 1.
- Container for toilet flush tanks, Drip. G. Davidson. 155,875, Nov. 8.
- Container for washing fabric articles or the like. A. J. Rochow. 153,033, Mar. 8.
- Container, Granular material. D. D. Eklund. 155,276, Sept. 20.
- Container, Ink. R. O. Letsch. 152,707, Feb. 15.
- Container, Insect poison. J. B. Rosefield. 153,322, Apr. 5.
- Container, Lipstick. E. Donati. 154,106, June 14.
- Container, Liquid fuel. A. T. Smith. 155,044, Aug. 30.
- Container, Note-pad. A. Kaser. 152,788, Feb. 22.
- Container or similar article, Boxlike. H. W. Hill. 153,284, Apr. 5.
- Container or similar article, Dispensing. B. D. Menkin. 153,301, Apr. 5.
- Container or the like, Lipstick. P. Brun. 155,385, Oct. 4.
- Container or the like, Lipstick. B. d'Escayrac. 155,393, Oct. 4.
- Container or the like, Merchandise. O. W. Trailkill. 154,082, June 7.
- Container or the like, Perfume. G. Muller. 152,898, Mar. 1.
- Container or the like, Powder puff. B. Ulvad. 153,999, May 31.
- Container, Perfume. W. Appleby. 154,228, June 28.
- Container, Plant. R. Weber. 156,588, Dec. 20.
- Container, Sterilizing toothbrush. C. J. Lundgren. 154,689, Aug. 2.
- Container, Toilet powder. E. Kujawski, Jr. 155,717, Oct. 25.
- Control device, Fluid. E. G. Peterson. 155,032, Aug. 30.
- Control device, Pedal. E. C. Caudill. 152,594, Feb. 8.
- Control device, Thermostatic. A. J. Huck. 156,340, Dec. 6.
- Control panel for air-operated instruments. W. P. Wills. 156,591, Dec. 20.
- Controller or similar device, Reading rate. G. K. Lewis. 155,718, Oct. 25.
- Cooker, Electric frankfurter. M. W. Thomas. 156,467, Dec. 13.
- Cooker or the like, Pressure. W. L. Morrison, Jr. 153,968, May 31.
- Cooker, Pressure. F. Collura and J. N. Polivka. 154,749, Aug. 9.
- Cooker, Pressure. J. Cotter. 154,750, Aug. 9.
- Cooker, Pressure. F. Wagner. 156,298, Nov. 29.
- Cooking utensil. P. Muller-Munk. 155,442, Oct. 4.
- Cooky jar or similar article. V. de Marsa. 152,676, Feb. 15.
- Cooler and container, Liquid. W. L. Verch. 153,329, Apr. 5.
- Cooler and freezer, Combination. A. H. Boileau, C. J. Rayman, and H. W. Miller. 154,364, July 5.
- Cooler, Bottled beverage. W. W. Hoople. 153,941, May 31.
- Cooler, Liquid. W. L. Currie. 155,686, Oct. 25.
- Cooler of the window type, Room. L. Guild and H. Landell. 154,605, July 26.
- Cooler, Water. S. O. Morrison. 152,722, Feb. 15.
- Copying apparatus, Document. A. E. Schubert, T. G. Clement, and J. F. Egan. 154,332, June 28.
- Corner piece. H. F. Lange. 153,954, May 31.
- Corner unit, Insulating siding. R. D. Bordeaux. 153,579-82, May 3.
- Counter, Poker chip. R. D. Nelson. 153,973, May 31.
- Cover and cigarette, cigar, and pipe rest for ash trays, Combined. E. F. McDonald. 155,524, Oct. 11.
- Cover and hook, Combined tractor radiator. G. W. Mork. 155,831, Nov. 1.
- Cover and stand, Combined coffee brewer. C. W. Hellberg. 155,288, Sept. 20.
- Cover, Battery dust. S. B. Blakely. 155,476, Oct. 11.
- Cover, Bicycle seat. S. Crane and S. D. Kent. 156,322, Dec. 6.
- Cover, Book. C. Von Baumann. 153,050, Mar. 8.
- Cover, Combination bottle and closure. F. McIntosh. 153,225, Mar. 29.
- Cover, Cycle saddle. C. J. Ruppert. 156,038, Nov. 15.
- Cover for a burial vault. L. Pirozzoli. 152,902, Mar. 1.
- Cover for an electronic tube tester. R. Simpson. 156,569, Dec. 20.
- Cover, Manhole. H. G. Miller, Sr. 153,303, Apr. 5.
- Cover, Match. H. L. Fischer. 152,955, Mar. 8.
- Cover of a container or the like. E. N. Graham. 153,521, Apr. 26.
- Cover or similar article, Meat mold. F. H. Hoy. 154,683, Aug. 2.
- Cover plate, Electrical push-button. W. Huppert. 153,803, May 17.
- Cover, Switch box. R. Patten and A. N. Bec Var. 153,305, Apr. 5.
- Cover, Tobacco pipe. I. J. Aronowitz. 154,736, Aug. 9.
- Covering or similar article, Shoe. J. J. Dorfman and F. H. Kennedy. 155,132, Sept. 13.
- Covering, Tile floor and wall. J. E. Ryan. 155,737, Oct. 25.
- Cowl and instrument panel for automobiles, Combination. O. N. Farley. 156,328, Dec. 6.
- Cradle and perambulator, Combination. H. B. Light. 153,534, Apr. 26.
- Crane, Bridge. F. M. Gustafson and J. M. Little. 152,259-63, Jan. 4.
- Creeper or the like. W. T. Williams. 155,950, Nov. 8.
- Crib and drawer chest, Combined. M. Stettner. 156,678, Dec. 27.
- Crib toy or the like. E. Szantay. 153,647, May 3.
- Cribbage board. A. L. Smith. 156,570, Dec. 20.
- Cribbage board or similar article. R. H. Sleeman. 156,285, Nov. 29.
- Cross. J. J. Gresh. 153,601, May 3.
- Crown, Watch. J. Waldman. 156,061, Nov. 15.
- Crucifix and candle holder, Combined. C. B. Mulholland. 156,025, Nov. 15.
- Cruise board. C. H. Clark. 152,673, Feb. 15.
- Crutch. C. B. Neptune. 153,818, May 17.
- Crystal diode. P. E. Gates. 156,501, Dec. 20.
- Cube tap, Electric. A. N. Bec Var and R. E. Munz. 155,472, Oct. 11.
- Cube tap, Electric. L. Ludwig. 152,992, Mar. 8.
- Cuff link. G. Le Vaggi. 154,048, June 7.
- Cuff link or the like. G. K. Lowe. 153,960, May 31.
- Cup. A. T. Macaulay. 153,887, May 24.
- Cup, Child's. W. L. McKay. 155,304, Sept. 20.
- Cup, Dinner. H. A. Roberts. 154,217, June 21.
- Cup, Ice-cream. C. J. Halset. 153,352, Apr. 12.
- Cup, Ice-cream. A. A. Heyman. 153,354, Apr. 12.
- Cup, Shaving. S. Klosinski. 155,715, Oct. 25.
- Curler, Eyelash. E. B. Hickey. 155,157, Sept. 13.
- Curtain. L. Singer. 154,190, June 14.
- Cushion and headrest, Combined. H. S. Ray. 155,924, Nov. 8.
- Cutter, Cookie. S. W. and R. C. Price. 154,309-21, June 28.
- Cutter, Cooky. R. C. and S. W. Price. 154,802, Aug. 9.
- Cutter, Cooky. S. W. and R. C. Price. 154,564, July 19.
- Cutter, Cooky molding. N. C. McBirney. 156,549, Dec. 20.
- Cutter, Vegetable. H. W. Darr. 156,487, Dec. 20.
- Cutter, Vegetable. R. P. De Vault. 152,677, Feb. 15.
- Cutter, Vegetable. F. R. Smith. 154,071, June 7.
- Cutting machine, Meat. W. F. Spang. 156,572, Dec. 20.
- Cutting table for yard goods. W. L. Stensgaard. 153,242, Mar. 29.
- Decanter. J. H. Clark and H. Richards. 154,196, June 21.
- Decanter or similar article. J. D. Buckingham. 152,393, Jan. 18.
- Decorative device, Illuminable. N. T. Borrok. 155,066-71, Sept. 6.
- Demagnetizer. A. R. Navé. 153,161, Mar. 22.
- Desk. I. W. Rice. 156,561, Dec. 20.
- Desk. J. W. Stitt. 156,680, Dec. 27.
- Desk and toy chest, or the like, Child's combined. P. Metro. 153,373, Apr. 12.
- Desk, Drafting. H. B. Maynard and C. W. Punton. 154,941, Aug. 23.
- Desk or similar article. D. R. Johnson. 154,040, June 7.
- Desk or similar article. C. Karstadt and C. M. Abrahamson. 153,952, May 31.
- Desk stand and hand telephone, Combined. R. H. Hose. 154,487, July 12.

- Desk stand, Ink reservoir. W. R. Burns. 155,775, Nov. 1.
 Desk unit, Combination. A. R. Carver. 155,124, Sept. 13.
 Desk unit, Combination. E. H. Reiss. 153,637, May 3.
 Desk writing unit. L. J. Campbell. 153,763, May 17.
 Dial and night light attachment for telephones, Automatic. H. Katz. 155,347, Sept. 27.
 Dial, Compass. V. E. Budlong. 155,575, Oct. 18.
 Dial for a sadiron or similar article, Control. H. Dreyfuss. 155,080, Sept. 6.
 Dial, Oven control. J. B. Stuman. 152,928, Mar. 1.
 Dial, Timepiece. W. M. Hansen. 153,217, Mar. 29.
 Dialing device for a phonograph record, Picture. M. Shaw and R. Y. Allen. 155,740, Oct. 25.
 Dictating machine. E. Berlant. 153,414, Apr. 19.
 Dictating machine or similar article. E. Berlant. 153,917, May 31.
 Diner, Mobile. G. F. Madison. 156,547, Dec. 20.
 Dipper, Ice cream. W. C. Willoughby. 153,195, Mar. 22.
 Dish. S. H. Berch. 155,474, Oct. 11.
 Dish and cleanser pad holder, Combination soap. J. R. Caldwell. 154,902, Aug. 23.
 Dish, Butter. M. G. Yutzey. 155,758, Oct. 25.
 Dish, Child's. H. F. Foley. 154,671, Aug. 2.
 Dish, Child's. M. Weeber. 155,948, Nov. 8.
 Dish or similar article. I. A. Lipman. 155,522-3, Oct. 11.
 Dish or similar article, Salad. A. H. Masche. 155,916, Nov. 8.
 Dish or similar article, Soap. P. F. Simpson. 154,570, July 19.
 Dish or similar article, Soap. P. F. Simpson. 154,643, July 26.
 Dish or the like. J. G. Saba. 152,831, Feb. 22.
 Dish, Paper. J. D. Reifsnnyder. 154,216, June 21.
 Dish, Reversible soap. J. R. Caldwell. 154,903, Aug. 23.
 Dish, Soap. M. P. Kiehl. 155,090-1, Sept. 6.
 Dish, Soap. J. H. Moran. 154,415, July 5.
 Dishwasher. F. K. Storm, Jr. 154,081, June 7.
 Dishwasher and sink, Combination. R. C. Sandin. 156,281, Nov. 29.
 Dishwashing machine. T. S. Bartlett. 153,913, May 31.
 Dispenser and applicator, Combined dandruff remedy. B. Perel. 156,027, Nov. 15.
 Dispenser and spice container holder, Combination paper. W. E. Mell. 154,943-4, Aug. 23.
 Dispenser and toothbrush holder, Combined toothpaste. N. Lipton. 154,049, June 7.
 Dispenser, Beverage. S. V. Dawson. 152,772, Feb. 22.
 Dispenser, Beverage. J. Levin. 154,291, June 28.
 Dispenser, Cigarette. D. W. Dunberg. 155,490, Oct. 11.
 Dispenser, Coin. L. F. Pierce. 155,322, Sept. 20.
 Dispenser, Coin. F. A. Wetherill and W. P. Staniszewski. 152,848, Feb. 22.
 Dispenser, Condiment. F. I. King. 154,931, Aug. 23.
 Dispenser for a paper roll or the like. F. L. Broeren and A. S. Krueger. 152,391, Jan. 18.
 Dispenser for cotton, paper tissues, or the like. A. A. Sambito. 156,041, Nov. 15.
 Dispenser for face cream or the like. R. G. Bau. 155,377, Oct. 4.
 Dispenser for fine solids, Measuring. H. W. Olson and O. A. Olsen. 155,028, Aug. 30.
 Dispenser for granular material. G. J. Neldner. 156,266, Nov. 29.
 Dispenser for powdered materials. J. F. De Sales. 153,861, May 24.
 Dispenser, Needle. P. T. Marinack and I. P. Dooley. 152,630, Feb. 8.
 Dispenser or similar article, Beverage. F. F. Gunther. 153,939, May 31.
 Dispenser or the like. M. J. and P. W. Fomusa. 156,498, Dec. 20.
 Dispenser, Paper. W. J. Collard and G. W. De Loof. 155,271, Sept. 20.
 Dispenser, Paper. W. E. Mell. 154,692-3, Aug. 2.
 Dispenser, Paper. W. E. Mell. 156,646, Dec. 27.
 Dispenser, Paper cup. G. Taubert. 154,819, Aug. 9.
 Dispenser, Popcorn. W. H. Beaudot. 153,201, Mar. 29.
 Dispenser, Portable beverage. B. O. Smith. 154,191, June 14.
 Dispenser, Roll paper. E. Lestage. 154,933, Aug. 23.
 Dispenser, Telescopic paper cup. G. C. Johnson and A. A. Perelman. 154,041, June 7.
 Dispenser, Tissue sheet. A. C. H. Weiss. 152,665, Feb. 8.
 Dispenser, Toilet paper. C. Boord. 154,899-900, Aug. 23.
 Dispenser, Tooth powder, and brush holder. R. R. Leonard. 153,154, Mar. 22.
 Dispenser unit, Fuel. W. H. De Lancey and B. P. Pond. 156,077, Nov. 22.
 Dispenser, Wall. R. Grocoff. 153,351, Apr. 12.
 Dispensing and display device, Combined. G. Taylor. 154,724, Aug. 2.
 Dispensing and storage unit, Combined film cassette. M. Morrison. 153,160, Mar. 22.
 Dispensing apparatus, Beverage. D. A., Jr., B. A., and P. M. McCowan. 156,450, Dec. 13.
 Dispensing cabinet, Refrigerated. W. M. Baird. 154,976, Aug. 30.
 Dispensing device. E. H. Beardsley and F. A. Lobley. 153,200, Mar. 29.
 Dispensing device, Liquid. H. F. Addleston and G. I. Smith. 155,116, Sept. 13.
 Dispensing device, Lubricant. R. P. Field. 152,463, Jan. 25.
 Dispensing machine. A. D. Brundage. 152,588, Feb. 8.
 Dispensing machine. H. T. Roberts. 154,325, June 28.
 Dispensing machine, Butter. F. O. Johnson. 156,419, Dec. 13.
 Dispensing machine, Coin. R. A. Leach. 155,519, Oct. 11.
 Dispensing machine, Confectionery. L. Ptrus. 153,975, May 31.
 Dispensing unit for filling stations. W. H. Adams. 155,959, Nov. 15.
 Display and demonstrating unit, Combined. A. E. Widdifield and I. Jepson. 154,524, July 12.
 Display box. A. Fogel. 155,883, Nov. 8.
 Display box. S. H. Geffner. 154,116, June 14.
 Display box. J. Heim. 153,797, May 17.
 Display box, Illuminable. S. Heftler-Louiche. 156,096, Nov. 22.
 Display box, Perfume. E. N. Graham. 154,266, June 28.
 Display box, Ring. S. Tylon. 155,945, Nov. 8.
 Display cabinet. C. Male. 154,863, Aug. 16.
 Display cabinet, Aging and refrigerating. B. E. Williams. 156,304, Nov. 29.
 Display case. R. L. Flannery. 155,407, Oct. 4.
 Display case. W. Gochenour, Jr. 154,674, Aug. 2.
 Display case. V. Lebow. 156,544, Dec. 20.
 Display case and lipstick exhibit, Combined. I. W. Crull. 154,025, June 7.
 Display case, Notion. J. F. Sylvia. 155,461, Oct. 4.
 Display case, Refrigerated self-service. D. J. Greiling. 156,416, Dec. 13.
 Display casing for pencil or the like. P. R. Kuhn. 154,610, July 26.
 Display container. J. O. Reinecke. 154,431, July 5.
 Display container or similar article. H. G. Treiss. 153,996, May 31.
 Display counter. B. R. Walsh. 154,445, July 5.
 Display counter, Record. S. Malkin. 153,961, May 31.
 Display counter, Sectional. N. S. Irwin. 155,343, Sept. 27.
 Display device. F. Springer-Miller. 156,288, Nov. 29.
 Display device, Bubble blowing. H. Margolis. 153,814, May 17.
 Display device, Cosmetic. J. H. Wright. 154,650, July 26.
 Display device for attachment to parking meters, Advertising. H. R. Siegel and M. Paull. 152,294, Jan. 4.
 Display device for yard goods. W. L. Stensgaard. 153,188, Mar. 22.
 Display device for yard goods. W. L. Stensgaard. 153,241, Mar. 29.
 Display figure. D. Dingilian. 154,590, July 26.
 Display figure. M. T. Upson. 154,000, May 31.
 Display fixture. E. C. Dimling. 152,602, Feb. 8.
 Display fixture. C. L. Dwinell. 152,777, Feb. 22.
 Display fixture. H. M. Schick. 152,371, Jan. 11.
 Display lamp or the like, Decorative. H. M. Carey. 152,592, Feb. 8.
 Display package and ash tray, Combination. M. T. Groen. 152,880, Mar. 1.
 Display rack and color selector, Combined. R. L. Falkenberg. 154,111, June 14.
 Display rack, Animated. C. L. Summers. 156,682, Dec. 27.
 Display rack for merchandise. J. S. Kivett. 156,256, Nov. 29.
 Display rack for molding and trimming strips. F. Hobbs. 155,705, Oct. 25.
 Display rack for rolled flexible floor coverings or the like. W. J. Ferris. 155,792, Nov. 1.
 Display rack, Merchandise. E. F. Todd. 154,223, June 21.
 Display rack or similar article, Canned goods. H. G. Cooper. 156,607, Dec. 27.
 Display rack, Portable. F. G. Oakley. 153,233, Mar. 29.
 Display sign. R. F. Baker. 155,328, Sept. 27.
 Display sign. G. C. Gettelman. 153,784, May 17.
 Display sign. J. Morgan. 154,299, June 28.
 Display sign, Advertising. C. L. Dwinell. 152,776, Feb. 22.
 Display sign, Illuminable. R. M. Price and L. E. Peters. 152,497, Jan. 25.
 Display stand. L. Mandel. 154,790, Aug. 9.
 Display stand. L. Mandel. 155,173, Sept. 13.
 Display stand. F. Van Cleef. 154,350, June 28.
 Display stand and cabinet or similar article, Combined. V. Gruen. 155,892, Nov. 8.
 Display stand, Bottle. L. O. Schneeberger. 154,959, Aug. 23.
 Display stand for toilet brushes or similar article. E. L. H. Cosby, Jr. 154,908, Aug. 23.
 Display stand or similar article. C. Barathon. 155,770, Nov. 1.
 Display stand or similar article. V. Gruen. 156,093, Nov. 22.
 Display stand or similar article. M. H. Newman. 154,420, July 5.
 Display stand or the like. S. O. Levy. 154,404, July 5.
 Display stand or the like, Flower. F. U. Winchester. 156,471, Dec. 13.
 Display table for yard goods. W. L. Stensgaard. 155,366, Sept. 27.

- Display table, Perfume. I. C. Meucci. 154,413, July 5.
- Dolly. E. Karfiol. 155,807-10, Nov. 1.
- Doll. E. L. Adams. 154,194, June 21.
- Doll. G. E. Bailey. 154,582, July 26.
- Doll. R. M. Clemens. 153,503, Apr. 26.
- Doll. L. Goodman. 156,230, Nov. 29.
- Doll. P. A. Hawes. 153,522, Apr. 26.
- Doll. P. L. Mooney. 155,830, Nov. 1.
- Doll. J. Prendiville. 155,104-5, Sept. 6.
- Doll. Blanche and Bernice Squier. 155,937, Nov. 8.
- Doll. B. Wagner. 152,842, Feb. 22.
- Doll. C. C. Young. 155,755-6, Oct. 25.
- Doll carriage. J. G. Balmer, Jr. 154,360, July 5.
- Doll, Child's. B. E. Honeck. 152,971, Mar. 8.
- Doll, Clown. J. Rubin. 156,667, Dec. 27.
- Doll head. C. H. Boughman. 153,761, May 17.
- Doll house. M. I. Haynes. 156,001, Nov. 15.
- Doll or similar article. M. Marossi and G. Cornell. 153,963, May 31.
- Doll, Rubber. A. E. Kennedy. 156,126, Nov. 22.
- Doll, Utensil. R. L. Rubenstein and V. J. Thornton. 153,464, Apr. 19.
- Dolly. F. T. Loser. 153,959, May 31.
- Dolly for transporting airplanes and the like. M. C. Snyder. 153,989, May 31.
- Dolly, Scrub bucket. F. H. Gruettner. 153,791, May 17.
- Doorknob and escutcheon plate, Combined. I. E. Petersen. 152,901, Mar. 1.
- Door lock and bottle opener, Combination. C. M. Brazelton. 156,315, Dec. 6.
- Double boiler. D. Chapman. 153,501, Apr. 26.
- Drainboard, Portable. E. F. Clark. 154,907, Aug. 23.
- Dress. P. Adler. 155,670-5, Oct. 25.
- Dress. P. Adler. 155,677, Oct. 25.
- Dress. P. Adler. 155,679, Oct. 25.
- Dress. P. Adler. 156,398, Dec. 13.
- Dress. S. J. Goldfarb. 154,201, June 21.
- Dress. S. J. Goldfarb. 156,618, Dec. 27.
- Dress. D. E. Gothe. 155,341, Sept. 27.
- Dress. D. E. Gothe. 155,416, Oct. 4.
- Dress. D. E. Gottlieb. 155,703, Oct. 25.
- Dress. F. Greenberg. 153,427-30, Apr. 19.
- Dress. B. Kessler. 153,436, Apr. 19.
- Dress. M. Macpherson. 153,439-40, Apr. 19.
- Dress. M. Macpherson. 155,720, Oct. 25.
- Dress. E. Rosenthal. 153,982, May 31.
- Dress. K. Rost. 153,457-63, Apr. 19.
- Dress. G. Sealove. 154,884, Aug. 16.
- Dress. H. H. Stahl. 155,636, Oct. 18.
- Dress. H. H. Stahl. 155,638, Oct. 18.
- Dress. J. F. Strassner. 153,467-82, Apr. 19.
- Dress. J. F. Strassner. 153,994, May 31.
- Dress. J. F. Strassner. 155,643-6, Oct. 18.
- Dress. J. F. Strassner. 155,648, Oct. 18.
- Dress. J. F. Strassner. 155,650-3, Oct. 18.
- Dress. J. F. Strassner. 155,938, Nov. 8.
- Dress. J. F. Strassner. 156,181, Nov. 22.
- Dress. R. Trigere. 153,649, May 3.
- Dress. A. H. Weiland. 153,053, Mar. 8.
- Dress. A. H. Weiland. 155,057, Aug. 30.
- Dress ensemble. P. Adler. 155,676, Oct. 25.
- Dress ensemble. U. Chaplain. 156,074, Nov. 22.
- Dress ensemble. J. Lipman. 153,958, May 31.
- Dress ensemble. H. H. Stahl. 155,637, Oct. 18.
- Dress ensemble. J. F. Strassner. 155,647, Oct. 18.
- Dress ensemble. J. F. Strassner. 155,649, Oct. 18.
- Dress ensemble. J. F. Strassner. 156,385, Dec. 6.
- Dress or similar article. L. Hoshafian. 156,009, Nov. 15.
- Dressing table. I. Schwartz. 153,397, Apr. 12.
- Drier, Automatic clothes. R. C. Sandin. 153,985, May 31.
- Drier, Electric hair. R. F. Berndt. 155,475, Oct. 11.
- Drier, Hair. A. Iannelli. 156,341, Dec. 6.
- Drier, Hair. G. B. Leather. 155,615, Oct. 18.
- Drier, Portable hair. E. F. Collison. 155,482, Oct. 11.
- Drill or similar article, Single spindle hydraulic paper. D. G. Lammi. 154,047, June 7.
- Drill unit or the like, Portable rotary. F. P. Forss. 156,225, Nov. 29.
- Drip catcher for a bottle. D. E. O'Brien. 152,489, Jan. 25.
- Drive unit for pipe tools, Power. C. H. Ingwer and C. E. Wright. 156,011, Nov. 15.
- Drum. P. A. Vespe. 153,484, Apr. 19.
- Drumstick. A. W. Geldard. 152,877, Mar. 1.
- Dummy for testing parachutes. W. U. Hohwieler. 152,690, Feb. 15.
- Duplicating machine. R. W. Quirk. 154,215, June 21.
- Dutch oven. F. C. Jewell. 156,344, Dec. 6.
- Dutch oven. A. D. Morture. 153,894, May 24.
- Earring. H. Bogoff. 156,312, Dec. 8.
- Earring. L. D. Kline. 153,610, May 3.
- Earring and perfume container, Combined. P. W. Fanelli. 152,604, Feb. 8.
- Earring attachment device. C. B. Haegert. 153,681, May 10.
- Earring or similar article. M. Chernow. 152,457, Jan. 25.
- Earring or similar article. M. Chernow. 152,517, Feb. 1.
- Earring or similar article. A. Fleuridas. 156,084-5, Nov. 22.
- Earring or similar article. A. Katz. 152,480, Jan. 25.
- Earring or similar article. A. Katz. 152,699, Feb. 15.
- Earring or similar article. A. Katz. 152,885, Mar. 1.
- Earring or similar article. A. Katz. 153,694-5, May 10.
- Earring or similar article. A. Katz. 154,388, July 5.
- Earring or similar article. A. Katz. 154,390, July 5.
- Earring or similar article. A. Katz. 154,395, July 5.
- Earring or similar article. A. Katz. 154,608, July 26.
- Earring or similar article. A. Katz. 156,110, Nov. 22.
- Earring or similar article. A. Katz. 156,114-15, Nov. 22.
- Earring or similar article. A. Katz. 156,117, Nov. 22.
- Earring or similar article. A. Katz. 156,247-8, Nov. 29.
- Earring or similar article. A. Katz. 156,254-5, Nov. 29.
- Earring or similar article. A. Katz. 156,425, Dec. 13.
- Earring or similar article. A. Katz. 156,515-17, Dec. 20.
- Earring or similar article. A. Katz. 156,519, Dec. 20.
- Earring or similar article. A. Katz. 156,521, Dec. 20.
- Earring or similar article. A. Philippe. 152,358, Jan. 11.
- Earring or similar article. A. Philippe. 152,362, Jan. 11.
- Earring or similar article. A. Philippe. 152,364-5, Jan. 11.
- Earring or similar article. A. Philippe. 152,559-66, Feb. 1.
- Earring or similar article. A. Philippe. 153,020-1, Mar. 8.
- Earring or similar article. A. Philippe. 153,023, Mar. 8.
- Earring or similar article. A. Philippe. 153,025-6, Mar. 8.
- Earring or similar article. A. Philippe. 153,084, Mar. 15.
- Earring or similar article. A. Philippe. 153,628, May 3.
- Earring or similar article. A. Philippe. 154,211-13, June 21.
- Earring or similar article. A. Philippe. 155,183-4, Sept. 13.
- Earring or similar article. A. Philippe. 155,191-2, Sept. 13.
- Earring or similar article. A. Philippe. 155,208, Sept. 13.
- Earring or similar article. A. Philippe. 155,215-16, Sept. 13.
- Earring or similar article. A. Philippe. 155,229, Sept. 13.
- Earring or similar article. A. Philippe. 155,316, Sept. 20.
- Earring or similar article. A. Philippe. 155,319, Sept. 20.
- Earring or similar article. A. Philippe. 155,447, Oct. 4.
- Earring or similar article. A. Philippe. 156,651-5, Dec. 27.
- Earring or similar article. W. Wiener. 155,326, Sept. 20.
- Edger, Lawn. N. E. Bishop. 154,835, Aug. 16.
- Edging. S. Elias. 155,338, Sept. 27.
- Edging, Embroidered. A. Badish. 154,581, July 26.
- Egg Beater. A. Y. De Martino. 154,752, Aug. 9.
- Egg opener. F. von Hirsch. 153,324, Sept. 20.
- Elastic fabric. G. Knorr. 154,932, Aug. 23.
- Electric fan or similar article. C. A. Lindberg. 152,344, Jan. 11.
- Electrical-connector body. H. S. Barnhart. 152,315, Jan. 11.
- Elevating tower, Truck mounted. H. A. and G. N. Wagner. 154,823, Aug. 9.
- End plate, Lighting fixture. J. O. Howard. 152,543, Feb. 1.
- Engine, Horizontal single-cylinder hopper-type Diesel. F. J. Kogel. 154,403, July 5.
- Engine or similar article, Internal-combustion. C. E. Leja. 152,706, Feb. 15.
- Engraving machine. M. H. Preis and J. A. Hoffmann. 155,539, Oct. 11.
- Enlarger, Fixed focus. H. Neuwirth. 154,872, Aug. 16.
- Enlarger, Photographic. M. Kaplowitz. 154,544, July 19.
- Envelope, Air-mail. G. A. Chase. 155,872, Nov. 8.
- Epergne. M. M. Lewis. 156,017, Nov. 15.
- Epergne or article of similar nature, Footed. T. C. Heisey. 156,097, Nov. 22.
- Epergne spider or similar article. W. L. Orme. 154,701, Aug. 2.
- Exerciser or similar article, Stomach. J. J. Ceverha. 152,394, Jan. 18.
- Extension, Exhaust pipe. L. Kaplan. 156,421, Dec. 13.
- Extension for automobile engine exhaust pipes. C. A. Trowbridge. 154,443, July 5.
- Extinguisher and ash tray, Combined cigarette. W. W. Potter. 153,318, Apr. 5.
- Extinguisher, Fire. A. B. Meyer. 152,718, Feb. 15.
- Extinguisher, Fire. R. P. Raskob and J. B. Haley. 153,320, Apr. 5.
- Extractor, Tube. O. C. Currie. 155,685, Oct. 25.
- Eye cup. S. T. Bonilla. 153,847, May 24.
- Fabric. L. R. Bressler. 155,968, Nov. 15.
- Fabric. M. R. Hamre. 152,531, Feb. 1.
- Fabric, Bedspring. N. C. Goldberg. 152,957, Mar. 8.
- Fabric, Knitted. M. Sidore. 153,641, May 3.
- Fabric, Narrow woven. C. S. Wackerman. 154,822, Aug. 9.
- Fabric or similar article. F. N. Phillips, Jr. 156,657, Dec. 27.
- Fabric or similar article, Embroidered needlework. M. Fixler. 155,138-40, Sept. 13.
- Fabric or similar article, Liturgical. W. T. Mulloy. 154,869-70, Aug. 16.
- Fabric or similar article, Textile. J. Godart. 154,599-600, July 26.

- Fabric or similar article, Textile. H. Gorman. 155,148, Sept. 13.
- Fabric or similar article, Textile. M. R. Hamre. 154,267-9, June 28.
- Fabric or similar article, Textile. N. Lewin. 154,614-15, July 26.
- Fabric or similar article, Textile. M. Meyer. 156,648, Dec. 27.
- Fabric or similar article, Textile. R. E. Minger. 155,526-9, Oct. 11.
- Fabric or similar article, Textile. W. D. Roberson. 154,637, July 26.
- Fabric or similar article, Textile. W. O. Wells, Jr. 154,827, Aug. 9.
- Fabric or the like. J. Pile. 154,800, Aug. 9.
- Fabric or the like, Textile. F. A. Foord. 155,982, Nov. 15.
- Fabric, Pleated. R. J. Nelson. 153,620, May 3.
- Fabric, Printed. B. Eckstein. 154,250, June 28.
- Fabric, Textile. J. Gluck. 154,768-70, Aug. 9.
- Fabric, Textile. B. J. Greenbaum. 153,874, May 24.
- Fabric, Textile. H. Horn. 154,275, June 28.
- Fabric, Textile. B. Leerer. 154,785-6, Aug. 9.
- Fabric, Textile. J. Martin. 154,618, July 26.
- Fabric, Textile. W. Mitschke. 154,694-8, Aug. 2.
- Fabric, Textile. R. Montrose. 155,530, Oct. 11.
- Fabric, Textile. M. Oltarsh. 154,795, Aug. 9.
- Fabric, Textile. J. Rosen. 154,808, Aug. 9.
- Fabric, Textile. S. Sherman. 154,812-13, Aug. 9.
- Fabric, Textile. D. Stapler. 154,344, June 28.
- Fabric, Textile. L. Walling. 156,684, Dec. 27.
- Fabric, Textile. P. Wayne. 156,469-70, Dec. 13.
- Fabric, Textile. S. Weinberg. 153,653, May 3.
- Fabric, Textile. A. Zavell. 156,396-7, Dec. 6.
- Fabric, Woven. R. H. Vogel. 156,185, Nov. 22.
- Face plate, Elevator landing button. M. J. Broun and C. M. Andres. 155,871, Nov. 8.
- Face plate for a dispensing machine. A. D. Brundage. 152,587, Feb. 8.
- Fair leader or similar article. R. E. Lushbaugh. 155,820, Nov. 1.
- Fan, Attic. R. H. Bishop. 154,740, Aug. 9.
- Fan, Electric. H. G. Ullman. 152,758, Feb. 15.
- Fan, Electric circulating floor. C. E. Jones and R. H. Crowle. 155,514, Oct. 11.
- Fan, Floor. F. S. Grover. 155,801, Nov. 1.
- Fan housing. T. C. Brown. 152,516, Feb. 1.
- Fan, Portable electric. C. E. Jones. 154,927, Aug. 23.
- Fan, Portable electric. L. R. Phillips. 154,703, Aug. 2.
- Fan, Window ventilating. T. Barnes. 153,099, Mar. 22.
- Faucet for dispensing carbonated beverages. J. E. and A. E. Rosander. 154,879, Aug. 16.
- Faucet unit, Double acting sink valve. M. Smolensky. 153,907, May 24.
- Faucet with pop-up drain control. Center set lavatory. A. L. Thomsen. 152,442, Jan. 18.
- Feeder, Bottle cap. R. Sonnenberg. 153,991, May 31.
- Fence and gate, Combined. L. Vecchio. 155,245, Sept. 13.
- Fence and gate, Combined. L. Vecchio. 155,465, Oct. 4.
- Figure, Animal. I. Miller. 154,055, June 7.
- Figure, Sail boat shelf. E. R. Bartolomeo. 153,843, May 24.
- Figurine. E. Clar. 155,388, Oct. 4.
- Figurine. E. Peruggi. 155,446, Oct. 4.
- Figurine. B. A. Strickland. 156,182, Nov. 22.
- Figurine, Cigarette holder. H. E. Hughes. 152,972, Mar. 8.
- Figurine, Owl. R. C. Smith. 152,662, Feb. 8.
- Film developing unit or similar article, Photographic. D. F. Winnek. 152,310-11, Jan. 4.
- Film material or similar article, Plastic. B. Kaye. 156,124, Nov. 22.
- Film material, Plastic. G. F. and M. L. K. Leister. 153,532, Apr. 26.
- Film material, Plastic. R. P. Magid. 155,433, Oct. 4.
- Finder, List. W. C. Nein. 155,026, Aug. 30.
- Finding, Ear clip. W. E. Kennison. 154,859, Aug. 16.
- Finding, Ear clip. F. W. Moulson. 156,452, Dec. 13.
- Finding for jewelry. A. Katz. 152,701, Feb. 15.
- Finding for jewelry. A. Katz. 152,801, Feb. 22.
- Finding for jewelry. A. Katz. 152,977-8, Mar. 8.
- Finding for jewelry. A. Katz. 154,282, June 28.
- Finding, Jewelry. C. Robbins. 154,878, Aug. 16.
- Finial, Roof. M. L. Rysdon. 153,983, May 31.
- Firearm fore end. H. L. Hameister. 156,336, Dec. 6.
- Fire extinguisher. W. E. Ballard. 153,098, Mar. 22.
- Fire extinguisher. D. F. Hack. 154,772, Aug. 9.
- Fire extinguisher. D. Mapes. 155,824, Nov. 1.
- Fire extinguisher. I. Nurkiewicz. 152,645, Feb. 8.
- Fire extinguisher. A. B. Phister. 152,650, Feb. 8.
- Fire extinguisher. E. E. Seaberg. 155,456, Oct. 4.
- Fire extinguisher or similar article, Portable. D. Mapes. 152,812, Feb. 22.
- Fire extinguisher, Portable hand. A. B. Guise and T. W. Johnson. 152,612, Feb. 8.
- Fire extinguisher, Portable hand. T. W. Johnson and H. G. Hastert. 155,611, Oct. 18.
- Fire extinguishing grenade and holder, Combined. A. Cizek. 153,854, May 24.
- Fireplace for outdoor use. Multiple. W. V. Maselli. 152,813, Feb. 22.
- Fireplace, practice keyboard, and stool, Combined artificial. P. J. Gannuscio. 156,227, Nov. 29.
- Fish gaff, Safety. H. Cederblad. 152,595, Feb. 8.
- Fishhook. J. K. Russell. 155,736, Oct. 25.
- Fish lure. W. C. Badge. 153,250, Apr. 5.
- Fish lure. W. H. Carr. 154,098, June 14.
- Fish lure. N. W. Dahm and A. F. Keller. 152,242, Jan. 4.
- Fish lure. A. Dolak. 153,587, May 3.
- Fish lure. H. W. Dow. 155,133, Sept. 13.
- Fish lure. T. F. Geiser. 152,526, Feb. 1.
- Fish lure. C. J. Gorman. 152,256, Jan. 4.
- Fish lure. G. H. Habel. 154,606, July 26.
- Fish lure. R. L. Hopkins. 156,240, Nov. 29.
- Fish lure. A. B. Lord and L. L. Hodges. 156,260, Nov. 29.
- Fish lure. J. L. McCollum. 152,713, Feb. 15.
- Fish lure. M. C. Miller. 155,307, Sept. 20.
- Fish lure. F. Nemeth. 152,285, Jan. 4.
- Fish lure. M. E. Pope. 152,287, Jan. 4.
- Fish lure. H. F. Roessler. 156,037, Nov. 15.
- Fish lure. S. J. Simon. 152,657, Feb. 8.
- Fish lure. Z. M. Wasielewski. 155,466, Oct. 4.
- Fish lure. R. W. Wells. 152,308, Jan. 4.
- Fish, lure, Artificial. J. V. Ferriot. 154,033, June 7.
- Fish lure, Artificial. C. C. Manley. 156,141, Nov. 22.
- Fish lure, Novelty. D. O. Le Moine. 154,130, June 14.
- Fishing bait, Double-spoon. L. G. Rice. 155,364, Sept. 27.
- Fishing lure. A. C. Clasen, H. J. Millgard, and T. A. Phelps. 155,481, Oct. 11.
- Fishing lure. G. C. De Bay, Jr. 152,243, Jan. 4.
- Fishing lure. G. B. Espey and G. D. Waite. 154,109, June 14.
- Fishing lure. E. J. Howard. 152,542, Feb. 1.
- Fishing lure. J. A. Mackey. 152,715, Feb. 15.
- Fishing lure. T. W. Messick. 152,636, Feb. 8.
- Fishing reel. E. D. Clickner. 153,417, Apr. 19.
- Fishing reel. G. E. Hammer. 156,337, Dec. 6.
- Fishing reel. O. W. Pies. 154,308, June 28.
- Fishing rod. M. J. Fletcher. 156,615, Dec. 27.
- Fishing rod and reel. G. R. and G. Hauser. 155,704, Oct. 25.
- Fishing rod and walking cane, Combination. H. M. Phillips and H. H. Boucher. 154,065, June 7.
- Fishing rod butt. M. J. Nunes. 156,151, Nov. 22.
- Fishing rod tip. A. Lundstedt. 153,370, Apr. 12.
- Fishing spinner or similar article. S. A. Pilblad. 154,141, June 14.
- Fixture, Bathroom. N. F. Heym. 154,476, July 12.
- Fixture, Bathroom wall. A. W. Mayer. 154,940, Aug. 23.
- Fixture, Double cove lighting. I. G. Gangbin. 153,598, May 3.
- Fixture, Electric lighting. M. M. Dunbar. 153,864, May 24.
- Fixture, Electric lighting. M. M. Dunbar. 155,337, Sept. 27.
- Fixture, Electric lighting. M. W. Schwartz and M. J. Marks. 154,960, Aug. 23.
- Fixture, Fluorescent lighting. C. C. Braun. 153,665, May 10.
- Fixture, Fluorescent lighting. C. X. Meyer. 155,305, Sept. 20.
- Fixture, Fluorescent lighting. C. Nitardy. 154,058, June 7.
- Fixture, Fluorescent lighting. D. F. Russell. 155,735, Oct. 25.
- Fixture, Garment hanger. R. C. Harnish. 155,893, Nov. 8.
- Fixture, Incandescent lighting. C. C. Braun. 153,849, May 24.
- Fixture, Indirect lighting. I. G. Gangbin. 155,283, Sept. 20.
- Fixture, Light. J. L. Libby. 153,885, May 24.
- Fixture, Lighting. F. C. Baker. 155,063-4, Sept. 6.
- Fixture, Lighting. F. C. Baker. 155,680, Oct. 25.
- Fixture, Lighting. M. S. Carstens. 155,779, Nov. 1.
- Fixture, Lighting. I. G. Gangbin. 153,597, May 3.
- Fixture, Lighting. L. Gilman. 156,332, Dec. 6.
- Fixture, Lighting. E. B. Kirk. 153,809, May 17.
- Fixture, Lighting. C. D. McCann. 152,994, Mar. 8.
- Fixture, Lighting. C. D. McCann. 154,053, June 7.
- Fixture, Lighting. J. Novin. 156,554, Dec. 20.
- Fixture, Lighting. N. E. Palmquist. 154,302, June 28.
- Fixture, Lighting. J. S. Walsh. 153,837, May 17.
- Fixture, Lighting. J. S. Walsh. 154,648, July 26.
- Fixture, Louvered fluorescent lighting. C. X. Meyer. 153,001-3, Mar. 8.
- Fixture, Louvered fluorescent lighting. C. X. Meyer. 155,306, Sept. 20.
- Fixture or the like, Fluorescent lighting. H. M. Lazerson. 156,014, Nov. 15.
- Fixture or the like, Lighting. B. A. Mitchell. 154,791, Aug. 9.
- Fixture, Recessed type bathroom. H. Gruen. 155,503, Oct. 11.
- Fixture, Wall. R. D. Mehlhaff. 153,000, Mar. 8.
- Fixture, Wall. J. H. Vaughan. 156,389, Dec. 6.
- Fizz-cap, Bottle. N. K. Morris. 154,503, July 12.
- Flacon for perfume. G. H. Wolfe and D. E. Mackenzie (Wolfe). 153,054, Mar. 8.
- Flacon, Perfume. M. R. Bocher. 152,938, Mar. 8.
- Flashholder. H. H. Harmon. 155,007, Aug. 30.
- Flashlight. R. J. Avery. 156,065, Nov. 22.
- Flashlight. R. F. Becker. 152,584, Feb. 8.
- Flashlight. G. P. Lewis. 155,094, Sept. 6.

- Flashlight. A. W. Miller. 152,719, Feb. 15.
Flashlight. E. L. Schofield. 153,733, May 10.
Flashlight and mirror, Combined. F. W. Koester. 154,549, July 19.
Flashlight and tester, Combined. F. and J. F. Peterlin. 154,627, July 26.
Flashlight and whistle, Combined. S. Weston. 155,059-60, Aug. 30.
Flashlight or similar article, Wrist. S. Schwartz. 154,333, June 28.
Flashlight or the like. J. C. Clark. 154,532, July 19.
Flashlight, Tripod mounted. M. Garlinski. 152,956, Mar. 8.
Flask. C. A. Gladstone. 153,786, May 17.
Flask. M. Goldberg. 154,263, June 28.
Float. Fish. H. E. Fortune. 156,087, Nov. 22.
Floating toy. P. Ganine. 153,426, Apr. 19.
Floodlight fixture. A. E. Ross. 153,555, Apr. 26.
Floor light for drive-in theatres or the like, Combination ramp identification and driveway. G. P. Heller. 154,274, June 28.
Floor, Tile, and wall covering. J. E. Ryan. 154,146-85, June 14.
Floor, Tile, and wall covering. J. E. Ryan. 154,328, June 28.
Flower basket, Hanging. J. Shaw. 152,293, Jan. 4.
Flower pot and receptacle therefor, Combined. J. R. Starkweather. 156,177, Nov. 22.
Fly swatter. E. P. Mosio. 154,622, July 26.
Font of Arabic type. S. J. Bustany. 154,746, Aug. 9.
Font of printing type. D. Peterson. 153,897, May 24.
Font of sign letters or similar article. J. E. Baker. 153,752, May 17.
Font of type. R. Jochim. 156,241, Nov. 29.
Font of type. D. Soshensky. 154,571, July 19.
Font of type. J. R. Walker. 152,443, Jan. 18.
Football game toy. S. L. Beder. 154,235, June 28.
Fork and spoon for pickles and olives, Combined. C. L. Osborn. 155,029, Aug. 30.
Fork, Cocktail. A. H. Fishman. 154,758, Aug. 9.
Fork or other article of flatware. I. A. Lipman. 153,711, May 10.
Fork or similar article. F. Wagner. 154,002-5, May 31.
Forming device, Doughnut. D. F. Jones. 153,690, May 10.
Forming device, Hamburger patty. I. P. Henderson. 155,422, Oct. 4.
Forming device, Hamburger patty. H. W. Lang. 154,551, July 19.
Fountain, Beverage. R. E. Parks. 155,923, Nov. 8.
Fountain pen. D. Kahn. 155,806, Nov. 1.
Frame and handle for fish nets, Combined. J. W. Harvey. 155,605, Oct. 18.
Frame, Chair. E. Marbreit. 156,448, Dec. 13.
Frame for a multineedle sewing machine. G. A. Boettcher. 155,263, Sept. 20.
Frame for clocks or similar articles. W. F. Day. 155,078, Sept. 6.
Frame for costume jewelry, Pendant ornamental. A. J. Mascia. 155,722, Oct. 25.
Frame for tractors, Implement supporting. G. W. Mork. 156,362, Dec. 6.
Frame, Handbag. L. S. David. 153,669, May 10.
Frame, Handbag. A. J. Fleres. 153,594, May 3.
Frame, Handbag. A. J. Fleres. 153,779, May 17.
Frame, Handbag. M. H. Randolph. 156,029-30, Nov. 15.
Frame, Handbag. M. H. Randolph. 156,371, Dec. 6.
Frame, Handbag. M. H. Randolph. 156,560, Dec. 20.
Frame, Lawn mower. H. F. Dalglish. 156,076, Nov. 22.
Frame or similar article, Hand mirror. C. W. Bristol. 156,316, Dec. 6.
Frame or similar article, Picture. G. D'Angelo. 154,244, June 28.
Frame or similar article, Spectacle. A. Kono. 155,813, Nov. 1.
Frame or similar article, Spectacle. M. Schwartz. 152,373, Jan. 11.
Frame or the like, Picture. M. Y. Goldberg. 153,787-8, May 17.
Frame or the like, Spectacle. S. Jonassen. 156,627-8, Dec. 27.
Frame, Phonograph recorder holder. M. B. Smith. 155,548, Oct. 11.
Frame, Picture. J. L. Hubbell. 156,418, Dec. 13.
Frame, Picture. E. Olszewski. 153,819, May 17.
Frame, Picture. D. Swihold. 153,401, Apr. 12.
Frame, Picture. L. J. Winslow. 155,953, Nov. 8.
Frame, Portable grandstand. J. F. Roney. 153,732, May 10.
Frame, Spectacle. M. Davis. 154,102, June 14.
Frame, Spectacle. B. Fornicola. 154,672, Aug. 2.
Frame, Spectacle. C. M. Howell. 153,287, Apr. 5.
Frame, Spectacle. L. Jacobson. 154,489-90, July 12.
Frame, Spectacle. A. E. Mangold. 152,487, Jan. 25.
Frame, Spectacle. A. E. Mangold. 154,133, June 14.
Frame, Spectacle. A. M. Rosenson. 155,732-3, Oct. 25.
Frame, Spectacle. R. L. Wells. 156,299, Nov. 29.
Frame, Sunglass. J. R. Watkins. 153,652, May 3.
Frame, Television viewing. W. S. Lefler and W. B. Green. 155,431-2, Oct. 4.
Frame, Vehicle. B. A. Noble and W. I. Youngs. 152,819, Feb. 22.
Frame, Woman's hat. H. Bentley. 154,529, July 19.
Frame, Woman's hat. H. Bentley. 156,594, Dec. 27.
Freezer and dispenser for frozen foods, Combined. W. von Lindeck. 153,737, May 10.
Frog. H. O. Walker. 153,052, Mar. 8.
Front for a goggle frame. N. T. Baldanza. 154,230, June 28.
Front for a spectacle frame. J. Gaspari. 155,596, Oct. 18.
Front for an illuminable mirror cabinet. C. A. Laystrom and H. R. Sigler. 155,518, Oct. 11.
Front piece for a hair ornament. N. L. Solomon. 155,846-7, Nov. 1.
Front, Store. C. Bell. 154,585, July 26.
Fryer, Bacon and egg. A. Weglage. 155,854, Nov. 1.
Frying pan and griddle, Combined twin. A. R. Glidden. 154,673, Aug. 2.
Funnel. L. L. Beller. 153,202, Mar. 29.
Gaither. J. Z. Miller and L. M. Easterling. 156,649, Dec. 27.
Game apparatus. M. Schwartz. 153,239, Mar. 29.
Game apparatus or similar article. M. Marks. 154,690, Aug. 2.
Game block. F. B. Satterthwaite. 153,560, Apr. 26.
Game board. S. E. Anderson and G. L. Menches. 155,766, Nov. 1.
Game board. J. J. Bittle. 156,310, Dec. 6.
Game board. J. R. Cantwell. 152,863, Mar. 1.
Game board. F. W. Carroll. 253,206, Mar. 29.
Game board. F. H. Clark. 154,661, Aug. 2.
Game board. R. L. Culp. 154,663, Aug. 2.
Game board. J. C. Davis. 154,666, Aug. 2.
Game board. C. W. Eaton. 156,222, Nov. 29.
Game board. W. D. Heintz. 154,678, Aug. 2.
Game board. A. J. Jackson. 153,943, May 31.
Gameboard. J. W. McFerran. 153,157, Mar. 22.
Game board. M. F. Miller. 154,866, Aug. 16.
Gameboard. A. S. Moorman. 154,414, July 5.
Game board. L. E. Pogue. 155,323, Sept. 20.
Game board. R. L. Robbins, Jr. 155,840, Nov. 1.
Game board. N. Thomas. 153,995, May 31.
Game board. A. A. Van Compernelle. 155,659, Oct. 18.
Game board. W. Weiglin. 153,408, Apr. 12.
Game board. A. Womack. 154,011, May 31.
Game board, Ball. G. R. Armstrong. 152,314, Jan. 11.
Game board, Card. M. Lisboa. 156,546, Dec. 20.
Game board, Educational. S. A. Patterson. 153,621, May 3.
Game board or similar article. M. S. Goodick. 155,415, Oct. 4.
Game control element, Faceted. R. Peukert. 155,315, Sept. 20.
Game device, Shuffle board. G. T. Kruithof and J. W. K. Jurrat. 155,517, Oct. 11.
Game, Marble. M. Fleishman. 153,211, Mar. 29.
Garment, Feet equipped outer. E. E. Tanner, Jr. 154,222, June 21.
Garment for infants, Sleeping. S. M. Godfrey. 156,502, Dec. 20.
Gas valve unit or similar article, Thermostatic control. M. J. Caparone. 152,769, Feb. 22.
Gate, Mobile race control. J. S. Goodwin. 153,935-6, May 31.
Gauge, Air. F. L. Rupley. 153,035, Mar. 8.
Gauge, Butt. W. A. Pribe. 155,233, Sept. 13.
Gauge, Portable pneumatic. F. L. Rupley. 153,639, May 3.
Gauge, Pressure. J. N. Polivka and F. Collura. 154,801, Aug. 9.
Gauge, Push type dial micrometer. W. Ames. 156,189, Nov. 29.
Gauge, Transparent liquid. C. W. Andersen. 155,864, Nov. 8.
Gearshift device, Simulated. S. N. Mann. 155,823, Nov. 1.
Girdle. P. Amyot. 152,581, Feb. 8.
Girdle. E. R. Kaupp. 152,981, Mar. 8.
Glass washer. T. H. Corbett. 156,216, Nov. 29.
Glass, Weather. W. F. Downes. 155,336, Sept. 27.
Globe for electric lamps. R. A. Schober. 155,365, Sept. 27.
Globe, Lantern. B. W. Jacobs. 153,289, Apr. 5.
Globe, Lighting. H. J. Claspy. 153,855, May 24.
Glove. R. H. Higier. 156,003-7, Nov. 15.
Glove. R. H. Higier. 156,098-105, Nov. 22.
Glove. R. H. Higier. 156,234-7, Nov. 29.
Glove. M. Wiesenhal. 155,248, Sept. 13.
Glove. M. Wiesenhal. 155,563, Oct. 11.
Glove, Fingerless. M. Wiesenhal. 155,247, Sept. 13.
Glove, Rubber. A. E. Sidnell. 155,457, Oct. 4.
Goblet. S. H. Berch. 156,477-8, Dec. 20.
Goblet. G. Sakier. 156,040, Nov. 15.
Goblet. M. G. Yutzey. 155,760, Oct. 25.
Goblet or similar stem glassware. L. Wohinc. 154,729, Aug. 2.
Goggle front. P. J. Morroni. 154,868, Aug. 16.
Goggle or the like, Sun. H. C. Richards. 152,737, Feb. 15.
Golf club head. G. F. Klein. 154,496, July 12.
Golf putting cup or similar article, Portable. R. E. Watkins. 155,370, Sept. 27.
Grater. G. Albertson. 153,249, Apr. 5.
Grater and receptacle, Combined. C. J. Bassett. 152,764, Feb. 22.

- Grater, Food. H. M. Piker. 156,557, Dec. 20.
 Griddle and baking dish or the like, Combination. C. A. Orenhire. 153,378, Apr. 12.
 Griddle and grill, Combination electric. R. C. Sandin. 155,843, Nov. 1.
 Griddle and skillet, Combination. A. Beck. 154,195, June 21.
 Griddle, Electric. R. C. Sandin. 155,842, Nov. 1.
 Grill and incinerator, Combination. W. F. Reichelderfer. 154,877, Aug. 16.
 Grill, Charcoal. H. E. Roedter. 155,631, Oct. 18.
 Grille and bumper, Combined motor vehicle. E. Macauley. 152,714, Feb. 15.
 Grille guard, Automobile. F. J. Faulhaber. 153,593, May 3.
 Grille guard, Automobile. L. C. and T. R. Helms and G. Tungett. 155,607, Oct. 18.
 Grille guard for automobile radiators. H. Birnbaum. 155,262, Sept. 20.
 Grille guard for automobile radiators. H. Phillips. 155,321, Sept. 20.
 Grille, hood, fenders, and bumper for vehicles, Combined. W. F. Rothe. 155,452, Oct. 4.
 Grinder. M. K. Apple. 153,751, May 17.
 Grinder. H. H. Crawford. 154,243, June 28.
 Grinder, Food. M. C. Everett. 152,871, Mar. 1.
 Grinder or the like. W. B. Boice. 154,530, July 19.
 Grinding machine, Band. R. R. Ronstrom. 156,666, Dec. 27.
 Grinding machine, Tool. G. O. and F. Buchholtz. 155,969, Nov. 15.
 Grip finder, Golf club. F. Strazza. 156,578, Dec. 20.
 Guard and plaque, Combined door. L. L. Kadleck. 155,612, Oct. 18.
 Guard, Automobile radiator. L. Bustin. 152,939-42, Mar. 8.
 Guard, Automobile radiator. L. Bustin. 154,747, Aug. 9.
 Guard, Automobile radiator grille. M. Browneye, T. Helms, and G. Tungett. 154,744, Aug. 9.
 Guard, Capping machine. M. S. Resina. 153,903, May 24.
 Guard, Combined bumper, and fog light housing. E. F. Rygasewicz. 153,904, May 24.
 Guard, Cycle fender. C. A. Comiskey. 153,504, Apr. 26.
 Guard for child's chair. J. G. Heim. 154,271, June 28.
 Guard or similar article, Bumper. R. H. Arbib. 155,767, Nov. 1.
 Guard or similar article, Wedding ring. H. J. Dampitz. 154,994, Aug. 30.
 Guard or the like, Article holding. O. W. Hueter. 152,475, Jan. 25.
 Guard, Radiator grill. H. B. Harvey. 153,149, Mar. 22.
 Guard ring for protecting ground lights or the like. F. H. Wyatt. 154,451, July 5.
 Guide, Cocktail recipe. L. F. Zimmermann. 154,012, May 31.
 Guide for electrical conductor or the like. H. Watson. 155,371, Sept. 27.
 Guide for fishing rods, Line. E. Wodetzky. 155,955, Nov. 8.
 Guitar, Electrical Hawaiian. R. Miekley. 152,897, Mar. 1.
 Gun, Nut. L. D. Soubier. 154,721, Aug. 2.
 Gun or the like, Antioffset dry powder. E. Gustafsson and J. W. Baur. 155,504, Oct. 11.
 Gun, Soldering. J. L. Caliri. 153,495-6, Apr. 26.
 Gun, Spray. S. E. Edelstone and A. L. Jenks. 153,865, May 24.
 Hairbrush. P. Muller-Munk. 155,310, Sept. 20.
 Hair drier. R. L. Meltzer. 155,828, Nov. 1.
 Hairpin holder and opening fixture, Combined. J. A. Bennett. 153,758, May 17.
 Hairpin receptacle and opener, Combined. J. J. Koslap. 153,810, May 17.
 Hairpin receptacle and opener, Combined. O. H. Zorn. 155,470, Oct. 4.
 Halter. A. L. Kinskie. 156,127, Nov. 22.
 Hammer for body and fender work. G. J. Ince. 155,426, Oct. 4.
 Hammer, Nail. J. J. Holmes. 153,524, Apr. 26.
 Hammock, Kneeling. M. R. Grubb and N. C. Grubb. 154,036, June 7.
 Hamper, Clothes. I. Jacobson. 155,161, Sept. 13.
 Handbag. E. Bogan. 153,760, May 17.
 Handbag. C. Feigl. 154,373-4, July 5.
 Handbag. C. Feigl. 154,755, Aug. 9.
 Handbag. C. Feigl. 154,914-15, Aug. 23.
 Handbag. P. Goldberg. 155,886, Nov. 8.
 Handbag. E. F. Gumbrell. 154,119, June 14.
 Handbag. H. Hilf. 155,608, Oct. 18.
 Handbag. A. Hochner. 154,485, July 12.
 Handbag. L. Kaufman. 153,703, May 10.
 Handbag. L. Kaufman. 153,808, May 17.
 Handbag. L. Kaufman. 154,493-4, July 12.
 Handbag. L. Kaufman. 155,012, Aug. 30.
 Handbag. R. Lobel. 154,131, June 14.
 Handbag. R. Lobel. 155,817, Nov. 1.
 Handbag. E. B. Nathan. 155,177, Sept. 13.
 Handbag. A. C. Williams. 152,762, Feb. 15.
 Handbag, Adjustable. I. Kigere. 155,811, Nov. 1.
 Handbag and spectacle holder, Combined. A. R. Schiff. 154,329, June 28.
 Handbag, Lady's. M. Kaplan. 154,491, July 12.
 Handbag, Lady's. F. B. Taccia. 154,572, July 19.
 Handbag, Lady's. A. Walitzky. 154,573, July 19.
 Handbag or similar article. J. S. Steck. 154,816, Aug. 9.
 Handbag and umbrella compartment. C. Feigl. 155,082, Sept. 6.
 Handkerchief, Child's. L. P. Kampner. 155,711, Oct. 25.
 Handkerchief or similar article. L. Larssen. 156,353, Dec. 6.
 Hand or similar article, Clock. J. E. V. Winterbourne. 155,249-50, Sept. 13.
 Handsaw. W. D. Scalf and L. W. Ramsey. 153,088, Mar. 15.
 Hand saw, Rotary power. F. D. Dolan and L. Vavrik. 152,678, Feb. 15.
 Hand tool, Power-operated. A. W. Smith. 153,398, Apr. 12.
 Handle. V. P. Aleks. 155,471, Oct. 11.
 Handle. P. Derham. 153,670-1, May 10.
 Handle. R. A. Stone. 155,549, Oct. 11.
 Handlebar, Bicycle. R. C. de Boer. 155,334, Sept. 27.
 Handle, Combined fishing reel and rod. A. A. Wacht. 154,647, July 26.
 Handle control, Dual. E. J. Panish. 155,179, Sept. 13.
 Handle, Door. C. R. Graham. 154,381, July 5.
 Handle, Drawer. A. S. Rummelsburg. 152,829, Feb. 22.
 Handle, Fishing rod. J. C. Maher. 153,223, Mar. 29.
 Handle, Fishing rod. J. S. McGuire. 156,360, Dec. 6.
 Handle for a brush or similar article. A. Rodriguez. 152,654, Feb. 8.
 Handle for a mirror or like article. M. H. Storch. 156,381-4, Dec. 6.
 Handle for a sadiron or similar article. E. C. Binggely and D. C. Gerber. 154,984, Aug. 30.
 Handle for cooking utensils. A. D. Mortrude. 153,817, May 17.
 Handle for cutlery or the like. I. L. and J. C. Hirsch. 154,852, Aug. 16.
 Handle for rods for fly or bait casting. L. P. Wallace. 154,965, Aug. 23.
 Handle for table flatware. A. M. Guior. 154,037, June 7.
 Handle, Knife. W. McMillen. 154,124, June 14.
 Handle, Knife. R. J. and J. R. Slavsky. 154,719, Aug. 2.
 Handle, Nonrolling torque tool. H. B. Royscher. 154,326, June 28.
 Handle, Pot and pan. A. L. Henkel. 152,539, Feb. 1.
 Handle, Saw. F. Weaver. 152,760, Feb. 15.
 Handle, Saw. F. R. Weaver. 153,407, Apr. 12.
 Handle, Stove. R. F. Hefferan. 153,796, May 17.
 Handle, Tap. F. C. Fisher. 154,114, June 14.
 Handle, Toaster. J. O. Reinecke. 153,902, May 24.
 Handle, Tool. H. A. Keidan. 156,536, Dec. 20.
 Handle, Toothbrush. P. Zandberg, H. E. Feinstein, T. Sally, and A. Wachin. 155,668-9, Oct. 18.
 Handle, Two-handed saw. T. Lamb. 152,890, Mar. 1.
 Handle unit, Cooking range. L. F. Covey. 152,597, Feb. 8.
 Hanger, Clothes. H. S. Hammond. 152,688, Feb. 15.
 Hanger, Clothes. F. B. Kraus. 154,206-7, June 21.
 Hanger, Coat. J. I. Robin. 155,926, Nov. 8.
 Hanger, Garment. W. B. Crane and M. Treiman. 154,242, June 28.
 Hanger, Garment. O. Porter. 153,032, Mar. 8.
 Hanger or similar article. E. Kikuchi. 154,930, Aug. 23.
 Hanger, Pants. W. G. Williams. 154,008, May 31.
 Harp. J. Miller. 152,349, Jan. 11.
 Hassock or the like. W. H. Walters. 153,191, Mar. 22.
 Hat. M. Baum. 155,965, Nov. 15.
 Hat. M. R. Bocher. 156,403-4, Dec. 13.
 Hat. G. H. Hodge. 155,159, Sept. 13.
 Hat. L. F. Maupin. 156,143, Nov. 22.
 Hat. J. I. McKie. 152,995, Mar. 8.
 Hat. B. Molin and J. Rosenbaum. 155,437, Oct. 4.
 Hat. J. L. Moore. 153,538, Apr. 26.
 Hat. H. H. Stahl. 152,836, Feb. 22.
 Hat, Lady's. S. Lish. 155,914, Nov. 8.
 Head for a floor lamp column. I. I. Gotliffe. 153,146, Mar. 22.
 Head for a floor lamp column. I. I. Gotliffe. 153,518, Apr. 26.
 Head for a portable power drill, Universal. A. C. Koett. 152,887, Mar. 1.
 Head for canes and similar articles. W. D. Adams. 154,732, Aug. 9.
 Headlight cluster for bicycle. V. Schreckengost. 152,437, Jan. 18.
 Headset, Listener's. G. F. Braun and F. M. Porter. 153,112, Mar. 22.
 Heater. H. E. Wilber and R. E. Kemp. 153,572, Apr. 26.
 Heater and electric fan, Combined. E. A. Farr. 156,494, Dec. 20.
 Heater, Combination radiant and circulating. R. S. Moore. 155,918, Nov. 8.
 Heater, Electric. G. H. Allgeyer. 155,962, Nov. 15.
 Heater, Electric. D. L. Hadley and F. S. Barron. 152,963-4, Mar. 8.
 Heater, Electric air. F. W. Thompson and R. M. Davies. 152,841, Feb. 22.
 Heater, Electric circulating. L. E. Turner. 152,306, Jan. 4.
 Heater, Electric space. O. L. Swanson. 153,243, Mar. 29.
 Heater, Electric wall. F. B. Adam. 153,487, Apr. 26.
 Heater for dental impressions or the like, Electric. H. P. Chapman. 152,323, Jan. 11.

- Heater for food products. A. F. Stoltzka. 153,908, May 24.
- Heater, Gas. J. F. King and J. N. White. 152,483-4, Jan. 25.
- Heater, Oil burning space. I. A. Sorenson. 154,888, Aug. 16.
- Heater or similar article, Space. H. R. Greene. 156,619, Dec. 27.
- Heater or similar article, Wall. H. R. Greene. 155,890-1, Nov. 8.
- Heater, Solid fuel burning room. D. H. Wyatt. 153,911, May 24.
- Heater, Space. D. Zebley. 156,306, Nov. 29.
- Heater, Vehicle. A. G. Bergstrom. 152,316, Jan. 11.
- Heater, Wall. R. L. Fitch. 155,980, Nov. 15.
- Heating apparatus, Electrical. C. Reynolds, Jr. 154,067, June 7.
- Hedge clipper, Rotary. R. W. Perdew. 152,649, Feb. 8.
- Helicopter. R. P. Alex. 154,973, Aug. 30.
- Helicopter. M. E. Gluhareff. 155,004, Aug. 30.
- Helicopter. H. E. Lemont, Jr. 152,342, Jan. 11.
- Helicopter. A. W. Nelson. 154,871, Aug. 16.
- Helicopter. F. N. Piasecki. 153,314-17, Apr. 5.
- Helicopter. F. N. Piasecki. 155,360, Sept. 27.
- High chair and rocking chair, Combination. S. A. Arnao. 153,333, Apr. 12.
- High chair, Baby's. D. I. Scharaga. 152,832, Feb. 22.
- Hinge. J. H. Boye. 154,365, July 5.
- Hinge. H. J. Lounsbury. 154,132, June 14.
- Hobbyhorse, Airplane. E. Szantay. 155,748, Oct. 25.
- Hobbyhorses. E. Szantay. 156,292, Nov. 29.
- Hoist. H. F. Parker. 153,013, Mar. 8.
- Holder, Album. R. P. Henn. 152,689, Feb. 15.
- Holder and container, Combined. S. A. Love. 156,642, Dec. 27.
- Holder and container or similar article, Combination dental floss. P. Keane. 153,609, May 3.
- Holder and dispenser, Combined cigarette. M. J. Schipper. 154,330, June 28.
- Holder and dispenser or similar article, Book match. J. A. Coon. 152,944, Mar. 8.
- Holder and ejector, Combination cigarette. F. Murray. 152,900, Mar. 1.
- Holder and sharpener, Combined knife. A. M. Berland. 153,492, Apr. 26.
- Holder and wrist clamp, Combined cigarette. V. Snellgrove. 153,465, Apr. 19.
- Holder, ash tray, and loud speaker, Combined cigarette and cigar. J. D. Chirite. 153,502, Apr. 26.
- Holder, Bobbin. H. V. Reynolds. 156,459-62, Dec. 13.
- Holder, Bobby pin. L. E. Primm. 156,368, Dec. 6.
- Holder, Brush and comb. O. B. McCarty. 155,917, Nov. 8.
- Holder, Candle. J. Cucchiara and B. Raphaelson. 155,784, Nov. 1.
- Holder, Candle. W. E. Mackelfresh, Jr. 152,551-2, Feb. 1.
- Holder, Candle. V. B. Tawresay. 152,382, Jan. 11.
- Holder, Carving set. J. L. Hvale. 154,855-6, Aug. 16.
- Holder, Cigarette. A. T. Angerer. 156,593, Dec. 27.
- Holder, Cigarette. A. Arrighi. 155,568, Oct. 18.
- Holder, Cigarette. E. L. Pickering and C. E. Pickering, Sr. 155,536, Oct. 11.
- Holder, Cigarette package. J. Katzen. 153,363, Apr. 12.
- Holder, Comb. W. T. Collins. 156,212, Nov. 29.
- Holder, Comb. I. H. Zovod and A. Glass. 156,592, Dec. 20.
- Holder, Combination. W. B. Crane and O. R. Crain. 154,909, Aug. 23.
- Holder, Combination pencil and memorandum pad. A. A. Kingmon. 156,538, Dec. 20.
- Holder, Combined cake of soap and spool. V. Silson. 153,734, May 10.
- Holder, Combined cigarette and lighter. E. San Giovanni and E. Sohn. 155,146, Sept. 13.
- Holder, Combined cigarette and lighter. E. Sohn and E. San Giovanni. 155,744, Oct. 25.
- Holder, Combined place card and flower. E. L. Sanders. 155,237, Sept. 13.
- Holder, Combined toothbrush and dentifrice. M. H. Gass. 154,598, July 26.
- Holder, Commemorative candle. W. Niederhausen and C. D. Hamilton. 154,421, July 5.
- Holder, Condiment. A. F. Reilly. 154,508, July 12.
- Holder, Cosmetic. W. B. Crane. 153,859, May 24.
- Holder, Cosmetic. E. H. Orenick. 155,445, Oct. 4.
- Holder, Dish cloth. T. M. Sabo. 156,039, Nov. 15.
- Holder, Egg. J. J. De Luce. 154,910, Aug. 23.
- Holder, Electrode. C. K. Wilson and J. G. Lippincott. 154,728, Aug. 2.
- Holder, Emblem, for automobile radiator guard. L. Bustin. 153,667, May 10.
- Holder, Extension tie. H. C. Valsey. 155,050-1, Aug. 30.
- Holder, File. G. T. Conarton. 152,943, Mar. 8.
- Holder, Flag. C. A. Skinner. 152,378, Jan. 11.
- Holder, Floodlight. W. H. Klein. 152,806, Feb. 22.
- Holder, Florist's wire. H. S. Rossell. 152,655, Feb. 8.
- Holder, Flower. G. S. Bowerfind. 155,330, Sept. 27.
- Holder, Foam scraper. F. Farrell. 152,245, Jan. 4.
- Holder, Folding socket-head key. B. H. Smith. 156,677, Dec. 27.
- Holder for a keyway broach and bushing set. W. B. du Mont. 154,028-9, June 7.
- Holder for attachment to telephones, Magnetic memo. H. W. Korb. 156,128, Nov. 22.
- Holder for bottles and other containers, Revolving. S. J. Sexton. 153,090, Mar. 15.
- Holder for brooms or the like. C. L. Hawn. 154,270, June 28.
- Holder for condiment containers. J. Kauffman and R. V. Smith. 154,287, June 28.
- Holder for eyeglasses. M. S. Gallo. 152,254, Jan. 4.
- Holder for globular objects. A. A. Concepcion. 154,462, July 12.
- Holder for napkins, tissues, and the like. L. Stahl. 156,380, Dec. 6.
- Holder for paper cups. L. M. Turner. 153,403-5, Apr. 12.
- Holder for paper sundae dish. L. M. Turner. 152,574, Feb. 1.
- Holder for plate, cup, and implement. J. K. Laier. 155,299, Sept. 20.
- Holder for smokers' pipes. P. L. Ogdon. 154,793-4, Aug. 9.
- Holder for spice cans or similar article. M. D. Markley and J. M. Markley, Jr. 154,939, Aug. 23.
- Holder for suction cleaner accessories. R. C. Osborn. 153,011, Mar. 8.
- Holder for toothbrushes. P. A. Sodini. 155,110, Sept. 6.
- Holder for upper bowl of vacuum coffee brewers. J. W. Haffner. 154,922, Aug. 23.
- Holder for upper bowl of vacuum coffee brewing devices. J. W. Haffner. 154,921, Aug. 23.
- Holder, Glass. J. W. Toland. 155,560, Oct. 11.
- Holder, Index pad. M. M. Rodbell. 156,665, Dec. 27.
- Holder, Iron. C. D. Stanley. 153,993, Aug. 31.
- Holder, Lamp. H. Powell. 156,276, Nov. 29.
- Holder, Lens grinding. R. V. Williams. 145,449-50, July 5.
- Holder, Lipstick. E. Franklin. 152,876, Mar. 1.
- Holder, Lipstick. W. H. Leavin. 155,520, Oct. 11.
- Holder, Memorandum pad. L. S. Lanman. 154,497, July 12.
- Holder, Nail polish bottle, and finger rest. L. Medgyes. 154,054, June 7.
- Holder or similar article, Cigarette. C. Potts. 152,494-5, Jan. 25.
- Holder or similar article, Combination tumbler and toothbrush. P. F. Simpson. 154,642, July 26.
- Holder or similar article, Flower pot. I. V. Dahlquist. 156,323, Dec. 6.
- Holder or similar article, Glass candle. H. King. 152,804-5, Feb. 22.
- Holder or similar article, Key. P. Klein. 152,983, Mar. 8.
- Holder or similar article, Place card. F. L. Danner. 155,973, Nov. 15.
- Holder or the like, Baby's bottle. M. Graboi. 153,937, May 31.
- Holder or the like, Bottle. H. E. Crothers. 154,993, Aug. 30.
- Holder or the like, Comb. M. W. Bernstein. 153,918, May 31.
- Holder or the like, Memorandum sheet. R. E. Gordenier. 155,888, Nov. 8.
- Holder or the like, Napkin. B. Ulvad. 155,635-6, Oct. 18.
- Holder or the like, Pin type flower stem. M. Cohen. 155,970, Nov. 15.
- Holder or the like, Tool. U. S. Moznack. 155,024, Aug. 30.
- Holder, or the like, Towel, napkin. J. Thompson. 153,092, Mar. 15.
- Holder, Paper cup. K. E. Bemis. 155,379, Oct. 4.
- Holder, Paper napkin. P. B. Hamilton. 153,683, May 10.
- Holder, Paper napkin. J. F. Meyer. 156,552, Dec. 20.
- Holder, Paper towel. O. Mankki. 153,156, Mar. 22.
- Holder, Phonograph record. M. B. Smith. 155,547, Oct. 11.
- Holder, Pipe. W. E. Weaver and V. N. Bridges. 154,086, June 7.
- Holder, Playing card. R. S. Wattley. 154,824, Aug. 9.
- Holder, Smoking pipe. H. Epstein. 155,790, Nov. 1.
- Holder, Soap. G. C. Heliot. 154,923, Aug. 23.
- Holder, Soap. E. L. Kibler. 152,618, Feb. 8.
- Holder, Soap cake. T. N. White, Jr. 154,649, July 26.
- Holder, Spoon. C. Elser. 154,997, Aug. 30.
- Holder, Straw and napkin. P. Beghetti. 155,473, Oct. 11.
- Holder, Table lighter. A. Arrighi. 155,375, Oct. 4.
- Holder, Tie. C. A. Anderson. 154,831, Aug. 16.
- Holder, Tie. C. A. Anderson. 154,975, Aug. 30.
- Holder, Toilet paper roll. C. M. Huntington. 155,897, Nov. 8.
- Holder, Toothbrush. P. A. Sodini. 155,111, Sept. 6.
- Holder, Toothbrush and glass. J. A. Hipsley. 154,483, July 12.
- Holder, Toothbrush and tumbler. J. L. Day. 154,464, July 12.
- Holder, Toothbrush and water glass. N. B. Keller and P. Stein. 154,495, July 12.
- Holder, Toothpaste and toothbrush. L. Whitman. 155,372, Sept. 27.
- Holder, Towel. S. Goldreich. 155,147, Sept. 13.
- Holder, Towel. M. Marsh, S. Goldreich, and L. C. Farley. 155,175, Sept. 13.
- Holder, Vehicle service tray. E. L. Maddox. 156,447, Dec. 13.

- Holder, Vessel. J. M. Collins. 154,588, July 26.
 Holder, Wash cloth. A. B. Berg. 154,456, July 12.
 Holders, Set of commemorative candle. W. Niederhausen and C. D. Hamilton. 154,505, July 12.
 Homogenizer or similar article. P. M. Travis and M. K. Tudor. 155,047, Aug. 30.
 Hood, Flight trainer. R. C. Dehmel. 153,925, May 31.
 Hood for a power meat cutter. V. G. Biro. 152,317, Jan. 11.
 Hook, hanger, or similar article. J. C. Brown. 156,600, Dec. 27.
 Hook, Salvage. H. J. Eimmerman. 153,776, May 17.
 Hopper, Bird feeding. F. C. McCutcheon. 154,407, July 5.
 Horse or similar article, Play. J. D. Kelly. 152,426, Jan. 18.
 Hosiery display device. M. M. Halpern. 152,529, Feb. 1.
 Houseboat. C. E. Gray. 156,232, Nov. 29.
 Housing and support therefor, Television tube. J. C. Kromhout. 154,609, July 26.
 Housing, Ceiling reel. A. P. Fox. 155,003, Aug. 30.
 Housing, Chart. R. H. Armstrong. 153,332, Apr. 12.
 Housing, Chart. R. H. Armstrong. 153,412, Apr. 12.
 Housing, Electrical plug. J. Neustadt. 154,700, Aug. 2.
 Housing for a dictating machine. W. J. O'Neil. 155,726, Oct. 25.
 Housing for a household scale. E. C. Young. 156,064, Nov. 15.
 Housing for a magnetic stirrer for chemical laboratories or the like. A. Rosinger. 152,908, Mar. 1.
 Housing for a microfilm reader or the like. E. E. Strauss. 154,818, Aug. 9.
 Housing for an outboard motor, Drive shaft. E. C. Kiekhaefer. 153,704, May 10.
 Housing for pneumatic motors or the like. R. J. Robillard. 154,713, Aug. 2.
 Housing for X-ray tube and blower. E. R. Goldfield and R. C. Schiring. 153,739, May 17.
 Housing or similar article, Door latch. T. I. Potter. 155,033, Aug. 30.
 Housing, Parking meter. P. F. Simpson. 154,716, Aug. 2.
 Housing, Portable engine power unit. P. Altman. 154,974, Aug. 30.
 Housing, Solderer. W. J. Humpal and B. G. Reimers. 152,691, Feb. 15.
 Housing, Solderer. W. J. Humpal and B. G. Reimers. 155,342, Sept. 27.
 Housing, Speaker. R. F. Poorman. 153,899, May 24.
 Housing, Temperature and humidity indicator. G. L. Beckstrom. 153,846, May 24.
 Housing, Vending machine. C. A. Hokinson. 153,802, May 17.
 Housing, Ventilating fan. B. M. Sallot and M. P. Hofmann. 155,037, Aug. 30.
 Housing, Water softener valve. C. S. Myers. 153,230, Mar. 29.
 Hub cap and wrench, Combined. J. M. Fida. 155,793, Nov. 1.
 Humidor and pipe tray, Combination tobacco. J. Gottlieb. 154,265, June 28.
 Identification plate and money clip, Combined. E. Rothkrug. 155,927, Nov. 8.
 Identification scraper and key holder, Combination. C. B. Woofter. 154,526, July 12.
 Illuminator globe. I. Levin. 153,368, Apr. 12.
 Implement, Drawing. R. S. Grant. 156,504, Dec. 20.
 Implement, Writing. H. Krause. 156,633, Dec. 27.
 Incubator, Premature. S. M. Behar. 154,654, Aug. 2.
 Index or similar article, Selective. R. Henderson. 154,848, Aug. 16.
 Indicating apparatus, Weather information. F. L. Vernon. 155,660, Oct. 18.
 Indicator, Combined date and weather. H. C. La Hue. 153,298, Apr. 5.
 Indicator for an electronic calculating machine. T. O. Mehan. 156,261, Nov. 29.
 Inflator, Tire. A. R. Moffett. 154,135, June 14.
 Inkstand. G. J. Sengbusch. 153,179, Mar. 22.
 Instrument, Bank and climb gyro. H. C. Wendt and M. A. Jordan. 156,300, Nov. 29.
 Instrument, Lens testing. O. E. E. Anderson. 154,734, Aug. 9.
 Instrument, Musical. W. S. Frazeur. 153,343, Apr. 12.
 Instrument panel or similar article, Motor vehicle. E. Macauley. 152,997, Mar. 8.
 Instrument, Pedicure. L. C. Rucker. 155,108, Sept. 6.
 Instrument, Writing. H. L. Fischer. 154,034, June 7.
 Instrument, Writing. F. E. Gruber. 153,679, May 10.
 Instrument, Writing. C. L. Metzler. 152,717, Feb. 15.
 Iron, Collar cuff. H. N. Dixon. 153,926, May 31.
 Iron, Electric. L. C. Carter. 153,338, Apr. 12.
 Iron, Electric. C. Karstadt. 154,278, June 28.
 Iron, Electric. H. W. Wilson. 155,666, Oct. 18.
 Iron, Electric steam. R. I. Huffman. 152,786, Feb. 22.
 Iron handle, Electric. D. C. Gerber. 155,598, Oct. 18.
 Iron or the like, Electric steam. C. B. Stevens. 155,639, Oct. 18.
 Iron, Smoothing. P. E. Ambory. 154,733, Aug. 9.
 Ironer, Portable. J. J. Getgey. 152,780, Feb. 22.
 Ironing machine, Portable. A. L. Briggs. 152,768, Feb. 22.
 Irradiator, Electric therapeutic spot. C. J. Curtis. 156,218, Nov. 29.
 Jack-in-the-box display figure. L. V. Barofsky. 152,238, Jan. 4.
 Jacket. J. L. Asteroff. 153,097, Mar. 22.
 Jacket. J. L. Asteroff. 153,662, May 10.
 Jacket. S. Etkin. 152,244, Jan. 4.
 Jacket. S. Etkin. 155,491, Oct. 11.
 Jacket. S. Etkin. 155,791, Nov. 1.
 Jacket. O. E. Kratz. 153,438, Apr. 19.
 Jacket. J. F. Strassner. 152,299, Jan. 4.
 Jacket. J. F. Strassner. 152,301, Jan. 4.
 Jacket. J. F. Strassner. 155,552-3, Oct. 11.
 Jacket. J. F. Strassner. 155,556-7, Oct. 11.
 Jacket, Bed. M. E. Smith. 152,661, Feb. 8.
 Jacket, Maternity. J. Hawthorne. 156,095, Nov. 22.
 Jacket or similar article. S. Scheidlinger. 153,089, Mar. 15.
 Jar. M. R. Kerr. 153,152, Mar. 22.
 Jar. J. Serra. 155,930, Nov. 8.
 Jar, Cooky. S. W. Rapp. 155,361, Sept. 27.
 Jar, Mixer. H. L. Newell. 153,232, Mar. 29.
 Jar or similar article, Combination cosmetic. D. M. Ackerman. 155,564, Oct. 18.
 Jar or similar article, Cookie. N. E. Graven. 152,470, Jan. 25.
 Jar or the like, Compartmented. C. W. Lauby. 154,552, July 19.
 Jewelry component. L. Schorr. 155,453, Oct. 4.
 Jewelry component or similar article. K. C. Augenstein. 156,191, Nov. 29.
 Jewelry finding. M. Chernow. 152,240, Jan. 4.
 Jewelry pendant or similar article. M. Chernow. 152,672, Feb. 15.
 Jewelry pendant or similar article. M. Chernow. 153,058, Mar. 15.
 Jewelry setting. M. Goodman. 152,469, Jan. 25.
 Jewelry setting or similar article. F. J. Gaertner. 152,252-3, Jan. 4.
 Jewelry setting or similar article. F. J. Gaertner. 152,468, Jan. 25.
 Jigger or similar article, Liquor. T. B. McKiernan. 152,279-80, Jan. 4.
 Joint, Double acting. H. E. De Ment and H. L. Wisnasky. 156,325, Dec. 6.
 Jug. E. M. Rosenthal. 152,740-6, Feb. 15.
 Juicer, Electric fruit. H. L. Stiles. 153,645, May 3.
 Junction box or similar article, Electrical. P. G. Stone. 156,681, Dec. 27.
 Kazoo. D. J. Ferrier. 154,756, Aug. 9.
 Key blank. L. W. Young and J. W. Taylor. 155,062, Aug. 30.
 Key chain and watch, Combined extension. N. N. Okun. 154,210, June 21.
 Key retainer, flashlight, and lighter, Combined. R. Zelenka. 152,386, Jan. 11.
 Kit, Carrying. M. H. Solworth. 154,436, July 5.
 Kit, Dental supply. K. G. Van Dyk. 156,296, Nov. 29.
 Kitchen tool, Combination. S. L. Gerson. 155,412, Oct. 4.
 Kitchen unit, Combination. R. C. Armbruster. 153,094-5, Mar. 22.
 Kitchen unit, Combination. S. Asaro. 154,577-8, July 26.
 Knee rest. C. L. Myers. 156,453, Dec. 13.
 Knife. S. Maugham. 152,633, Feb. 8.
 Knife and scissors sharpener, Combination. C. W. Lynch. 153,886, May 24.
 Knife and utility tool, Sportsman's combination. J. X. Peterson. 152,727, Feb. 15.
 Knife, Cheese. J. Fiedler. 152,954, Mar. 8.
 Knife, Hunting. O. Brooks. 156,070, Nov. 22.
 Knife, Hunting. E. H. Hill. 154,482, July 12.
 Knife or similar article. C. H. Alexander. 153,746, May 17.
 Knife or similar article. F. Wagner. 154,006, May 31.
 Knife or similar article of flatware. H. K. Friedman. 152,525, Feb. 1.
 Knife or similar article, Table. J. P. Morgan. 154,417, July 5.
 Knife, Paper. C. Vander Kuy. 156,056-8, Nov. 15.
 Knife, Razor blade. S. P. Johnson. 154,858, Aug. 16.
 Knife, Sliding blade. G. L. Beckstrom. 155,378, Oct. 4.
 Knob. W. P. Lear. 155,349, Sept. 27.
 Knob. H. J. Leberer. 155,350, Sept. 27.
 Knob, Adjusting. J. O. Reinecke. 153,981, May 31.
 Knob, Perculator. P. Muller-Munk. 155,440-1, Oct. 4.
 Knockor and wicket, Combined door. A. Bloom. 152,937, Mar. 8.
 L-fitting, Line binding. L. S. Hamer. 154,475, July 12.
 Lace. R. L. Anderson. 153,750, May 17.
 Lace. J. Fontaine. 154,844-5, Aug. 16.
 Lace. H. Krieger. 155,906-7, Nov. 8.
 Lace. I. Zendman, 3rd. 153,197-8, Mar. 22.
 Lace, Embroidered. J. Wiener. 153,246, Mar. 29.
 Lace trimming. J. J. Holt. 156,510-11, Dec. 20.
 Lamp. H. Amberg. 155,765, Nov. 1.
 Lamp. G. Blueher. 155,774, Nov. 1.
 Lamp. E. S. Boynton. 155,123, Sept. 13.
 Lamp. J. F. Davidson. 154,245, June 28.
 Lamp. A. T. de Lu. 156,610, Dec. 27.
 Lamp. S. J. Hirschfeld. 152,336, Jan. 11.
 Lamp. R. Jochim. 154,926, Aug. 23.
 Lamp. L. Kmiec. 155,716, Oct. 25.
 Lamp. J. Matas. 152,999, Mar. 8.

- Lamp, R. S. Niecyper. 155,725, Oct. 25.
 Lamp, A. Pfaltz. 152,492, Jan. 25.
 Lamp, H. Rubin. 152,291, Jan. 4.
 Lamp, A. A. Taber, Sr. 156,386, Dec. 6.
 Lamp and ash tray, Combination. R. L. Aulich. 152,849, Mar. 1.
 Lamp and bracket, Combined vehicle. D. M. Morgenstern. 153,227, Mar. 29.
 Lamp and bracket, Combined vehicle. D. W. Morgenstern. 153,229, Mar. 29.
 Lamp and magnifier, Combined. J. A. Mehr. 152,282, Jan. 4.
 Lamp and ozone generator, Combined. H. and C. Ginsberg. 154,471, July 12.
 Lamp and shade, Combined. E. Kehlmann. 152,339, Jan. 11.
 Lamp and shade, Combined. R. D. and A. O. Pfister. 153,171, Mar. 22.
 Lamp and shield, Combined ultraviolet. N. A. Whittaker. 154,969, Aug. 23.
 Lamp, Animated decorative. A. B. Leech. 156,015-16, Nov. 15.
 Lamp, Animated decorative. A. B. Leech. 156,441, Dec. 13.
 Lamp, Attachable reading. J. Marino. 155,617, Oct. 18.
 Lamp, Automobile. W. Trautner. 154,083-4, June 7.
 Lamp base. M. L. Gershun. 155,284, Sept. 20.
 Lamp base and radio cabinet, Combined table. R. Rubal. 154,958, Aug. 23.
 Lamp base, Floor. I. I. Gotliffe. 153,599, May 3.
 Lamp base or similar article, Book end. C. M. Wade. 155,325, Sept. 20.
 Lamp, Book-holding. M. M. Lund. 152,711, Feb. 15.
 Lamp, Bubbling candle. J. K. Castell. 152,593, Feb. 8.
 Lamp, Decorative. G. Ruskin. 156,465, Dec. 13.
 Lamp, Electric. M. M. Baker. 153,056, Mar. 15.
 Lamp, Electric table. D. Hewitt. 153,605, May 3.
 Lamp, Glow. A. H. Hoffeditz. 153,801, May 17.
 Lamp, Hand. W. R. Kopp. 153,437, Apr. 19.
 Lamp head. H. W. Darr. 155,586, Oct. 18.
 Lamp, Heat. C. Chedister. 154,905, Aug. 23.
 Lamp, Hurricane. A. E. Frontier. 154,258, June 28.
 Lamp, Nursery. E. Brenner. 153,762, May 17.
 Lamp, Nursery. E. Brenner. 154,097, June 14.
 Lamp, Nursery. E. R. Brenner. 152,390, Jan. 18.
 Lamp or similar article. A. M. Johnson. 153,689, May 10.
 Lamp or similar article. S. Lewis. 152,343, Jan. 11.
 Lamp or similar article. L. Lewkowicz and E. F. Bennett. 155,719, Oct. 25.
 Lamp or similar article, Fluorescent. C. E. Swanson. 153,326, Apr. 5.
 Lamp or similar article, Night. E. W. Harman. 154,540, July 19.
 Lamp, Pin-up. T. J. Smith. 154,338, June 28.
 Lamp, Pin-up. W. B. Young and H. M. Jensen. 155,667, Oct. 18.
 Lamp, Planter. J. E. Everett. 154,110, June 14.
 Lamp, Planter. D. P. Gifford. 153,516, Apr. 26.
 Lamp, Portable. E. B. Huff. 154,488, July 12.
 Lamp, Portable electric. A. C. Haggstrom. 153,682, May 10.
 Lamp, Signal. O. E. Oyler. 153,543, Apr. 26.
 Lamp standard or similar article. W. B. Frisbie. 155,340, Sept. 27.
 Lamp, Table. V. Cassara. 154,099, June 14.
 Lamp, Table. T. Estella. 156,081, Nov. 22.
 Lamp, Table. V. Faill. 156,223, Nov. 29.
 Lamp, Table. C. McClellan. 155,098, Sept. 6.
 Lamp, Table. J. A. Richards and N. C. Russell. 155,838, Nov. 1.
 Lamp, Table. F. W. Timberlake. 153,328, Apr. 5.
 Lamp, Table. J. K. Tyre. 155,049, Aug. 30.
 Lamp, Table. S. Wetterhahn. 154,352, June 28.
 Lamp, Taxicab cruising. R. W. Garrett. 153,871-2, May 24.
 Lamp, Transparent prism vanity. E. L. Culwell. 153,585, May 3.
 Lamp, Tropical table. E. A. Garner. 154,765, Aug. 9.
 Lamp, Trouble. C. Ballerino. 156,192, Nov. 29.
 Lamp, Ultraviolet. J. A. Mehr. 152,281, Jan. 4.
 Lamp, Vehicle. D. M. Morgenstern. 153,228, Mar. 29.
 Lamp, Vehicle. B. H. Smith and W. P. Peterson. 153,184, Mar. 22.
 Lamp with illuminable base. J. Provenzano. 154,066, June 7.
 Lamp with illuminable base. J. Provenzano. 155,451, Oct. 4.
 Lantern. P. Silberhartz. 153,987, May 31.
 Lantern, Projection. C. F. Dutton. 154,249, June 28.
 Lapel pin or similar article. H. Zimet. 152,934, Mar. 1.
 Latch, Cabinet. W. O. Burke. 155,332, Sept. 27.
 Lathe, Center drive. R. E. Schulz. 156,377, Dec. 6.
 Lathe, Engine. H. E. Laubach, R. C. Johnson, and V. J. Kramer. 152,987, Mar. 8.
 Lathe, Twin. J. M. Marisseau and R. Duval. 156,644, Dec. 27.
 Laundry machine or similar article. P. E. Geldhof. 153,515, Apr. 26.
 Lawn mower. R. H. Ensign. 154,256, June 28.
 Leather or similar article of manufacture. F. H. Becker and L. F. Peabody. 152,583, Feb. 8.
 Leg, Furniture. D. A. Wallace. 155,369, Sept. 27.
 Lens. D. M. Goldring. 152,878, Mar. 1.
 Lens attachment for television receiving sets. J. S. Dougherty. 154,911, Aug. 23.
 Lens, Eyeglass. J. E. Hansen. 153,216, Mar. 29.
 Lens, Fog. B. L. Latousek. 152,807, Feb. 22.
 Lens for stop and turn signals. H. J. Vetter. 156,585, Dec. 20.
 Light. W. O. Perry. 153,016, Mar. 8.
 Light and illuminable house numeral indicator, Combined porch. D. R. Pennell. 152,726, Feb. 15.
 Light, Cruising. S. H. Moore and R. Freedman. 154,947, Aug. 23.
 Light, Emergency automobile. J. Feltz. 152,684, Feb. 15.
 Light for a bicycle, Combined tail and directional. O. F. Ingle. 154,925, Aug. 23.
 Light for automobiles, Rear. J. A. Stark. 155,112, Sept. 6.
 Light for motor vehicles or similar article, Portable signal. F. K. Hussey. 153,942, May 31.
 Light, Night. T. R. Finke. 155,588, Oct. 18.
 Light or similar article, Crib. L. Packman. 154,951, Aug. 23.
 Light or similar article, Portable signal. E. C. Briggs. 152,671, Feb. 15.
 Light, Power timing. R. Mansfield. 154,557, July 19.
 Light, Purse. J. W. Crockett. 155,488, Oct. 11.
 Light, Signal. A. C. Conner. 153,418, Apr. 19.
 Light, Signal. J. Hussion. 153,151, Mar. 22.
 Light, Taxi top. W. H. Murray. 153,969, May 31.
 Light, Taxicab cruising. C. D. Nelson, Jr. 153,971-2, May 31.
 Light, Taxicab cruising. C. D. Nelson, Jr. 155,919-21, Nov. 8.
 Light, Taxicab cruising. F. J. Toomey. 152,757, Feb. 15.
 Lighter. A. J. Bruneau. 153,416, Apr. 19.
 Lighter. E. Lieberman. 154,934, Aug. 23.
 Lighter. E. San Giovanni. 154,714, Aug. 2.
 Lighter and cigarette holder, Combined. E. San Giovanni. 154,809, Aug. 9.
 Lighter, Cigarette. J. T. Adams. 154,090, June 14.
 Lighter, Cigarette. K. Adler and H. H. Rosenthal. 155,565, Oct. 18.
 Lighter, Cigarette. R. R. Eratico. 155,000, Aug. 30.
 Lighter, Cigarette. I. Florman. 153,781, May 17.
 Lighter, Cigarette. I. Florman. 155,411, Oct. 4.
 Lighter, Cigarette. I. Florman. 155,981, Nov. 15.
 Lighter, Cigarette. I. Florman. 156,086, Nov. 22.
 Lighter, Cigarette. F. B. Miller. 154,945, Aug. 23.
 Lighter, Cigarette. C. W. Smith. 153,185, Mar. 22.
 Lighter, Cigarette. G. Stahl. 156,573, Dec. 20.
 Lighter, Cigarette and tobacco-pipe. C. K. Wiggins. 156,392, Dec. 6.
 Lighter, cigarette receptacle, and ash tray, Combination. W. Baier. 154,359, July 5.
 Lighter or similar article, Cigar. A. L. Flamm. 154,376, July 5.
 Lighter or similar article, Cigar. F. Kaupmann. 154,401, July 5.
 Lighter or similar article, Cigar. F. Kaupmann. 154,545, July 19.
 Lighter or similar article, Cigar. F. Kaupmann. 154,929, Aug. 23.
 Lighter or similar article, Pyrophoric. J. Bonfield. 154,658, Aug. 2.
 Lighter or similar article, Table. J. S. Sherman. 153,563, Apr. 26.
 Lighter or the like, Electric cigarette. J. C. Clark. 153,337, Apr. 12.
 Lighter, Pyrophoric. W. J. Condon. 156,213, Nov. 29.
 Lighter, Table. G. B. Kamp. 156,346, Dec. 6.
 Lighter, Table. S. G. Lipic and L. S. Lyon. 156,133, Nov. 22.
 Lighter, Table. H. Negbaur. 154,301, June 28.
 Lighter, Table. P. Pouliot. 155,538, Oct. 11.
 Lighter, Table. P. Pouliot. 155,627, Oct. 18.
 Lighter, Table. A. F. Reilly. 153,631-5, May 3.
 Lighter, Table. W. J. Reilly. 155,035, Aug. 30.
 Lighter, Table. G. E. Stahl. 154,079, June 7.
 Lighter, Table. S. Weston. 155,468, Oct. 4.
 Lighting device. J. Nathan and J. C. Haberman. 152,642, Feb. 8.
 Line and stakes, Combined garden marking. H. M. Warren. 153,485, Apr. 19.
 Link chain for a bracelet or the like, Expandable. J. M. Bender. 155,571, Oct. 18.
 Link, Cuff. V. T. Howard. 152,447, Jan. 18.
 Link for a watch bracelet or similar article, Terminal. K. C. Augenstein. 152,237, Jan. 4.
 Link for an expandable bracelet or similar article. M. Horovitz. 155,707, Oct. 25.
 Link for an expandable wrist watch bracelet or similar article, Terminal. E. G. O. Anderson. 154,893, Aug. 23.
 Link, Jewelry chain connecting. P. Bardach. 154,738, Aug. 9.
 Link or similar article, Bracelet. K. C. Augenstein. 155,376, Oct. 4.
 Link or similar article, Cuff. O. Grun. 154,473, July 12.
 Link or similar article, Cuff. J. M. Oldak. 155,535, Oct. 11.
 Lipstick and lip brush, Combination. W. E. Ballard. 155,570, Oct. 18.

- Lipstick casing and mirror, Combination. M. Goldenstein. 155,414, Oct. 4.
- Lipstick holder and vanity case, Combined. F. M. Breen. 155,265, Sept. 20.
- Loader, Portable. H. F. Lessmann. 155,815, Nov. 1.
- Loader, Vacuum leaf. M. A. Elliott. 153,673, May 10.
- Lock, Flexible cable. E. G. Reese and G. B. Fenstermaker. 153,823, May 17.
- Lock, Luggage. L. M. Dyson. 156,492, Dec. 20.
- Locomotive body. D. L. Hadley, C. B. Ryder and N. F. Pedersen. 154,120, June 14.
- Locomotive body. R. Patten. 153,896, May 24.
- Locomotive body. R. Patten. 154,799, Aug. 9.
- Locomotive body or the like. R. Patten. 154,139, June 14.
- Locomotive body or the like. R. Patten. 156,455, Dec. 13.
- Loud-speaker. J. E. Currie and W. Borberg. 155,333, Sept. 27.
- Love seat, lounge, and bed, Combination. R. N. Eisendrath. 154,031, June 7.
- Luminaire. F. C. Winkler and B. A. Wyman. 154,525, July 12.
- Lure, Artificial. R. A. Ferris. 153,123, Mar. 22.
- Lure, Fish. C. E. Greene and D. Bradford. 153,147, Mar. 22.
- Lure, Fish. D. J. Neukom. 153,164, Mar. 22.
- Machine, Coffee-making. S. E. Iredale. 153,357, Apr. 12.
- Machine for shaping shoulder pads or the like. B. Mechur and W. Reidler. 155,099, Sept. 6.
- Machine, Shoe shine. G. Yulle. 153,410, Apr. 12.
- Magnifying glasses, Pair of optical. M. Katz. 154,492, July 12.
- Mailbox. A. J. Batzler. 154,234, June 28.
- Mailbox. R. W. Gieseler. 154,470, July 12.
- Mallet. G. Pavlinetz. 152,647, Feb. 8.
- Manifold, Automotive intake. M. H. Ellis. 154,996, Aug. 30.
- Marine vessel. W. Costa. 152,674, Feb. 15.
- Marker, Grave. G. D. Adams. 153,248, Apr. 5.
- Marker, Grave. D and M. H. Spencer. 153,399, Apr. 12.
- Marking device for window screens, storm windows, or the like. J. E. Gaulke. 155,597, Oct. 18.
- Marking machine, Laundry. G. Petty. 154,428, July 5.
- Mask, Inhalent therapy. W. T. Wade. 156,060, Nov. 15.
- Mask, Nasal. W. M. Boothby, A. H. Bulbulian, and W. R. Lovelace. 156,596, Dec. 27.
- Massager, Electric. E. M. Vogt. 153,245, Mar. 29.
- Massager, Foot. J. Eldredge. 152,951, Mar. 8.
- Master station unit, Intercommunicating system. M. Wasserman. 152,577, Feb. 1.
- Mat or similar article, Place. J. E. Adair. 155,856-60, Nov. 8.
- Matchbox. L. L. Myers. 153,304, Apr. 5.
- Material, Plastic film. J. Gross and P. Stern. 155,153, Sept. 13.
- Measure, Pupillary millimeter. M. B. Kendis. 152,427, Jan. 18.
- Medal or similar article. T. H. Jones. 152,692, Feb. 15.
- Medallion or similar article. T. H. Jones. 152,693, Feb. 15.
- Medallion or the like. R. E. Pollock. 153,172, Mar. 22.
- Memo book, Picture birthday. A. T. Turpin. 152,575, Feb. 1.
- Memorandum pad or similar article. N. Marlow. 154,294, June 28.
- Meter, Dual parking. H. E. Conrad. 156,606, Dec. 27.
- Meter, Gas. E. R. Gilmore. 155,145, Sept. 13.
- Meter, Light. A. F. Maple. 154,558, July 19.
- Meter, Moisture. C. N. Kimball, W. R. Lewis, and H. A. Strecker. 152,619, Feb. 8.
- Meter, Radiation. E. W. Molloy. 154,699, Aug. 2.
- Meter, Twin parking. E. Kramer. 156,632, Dec. 27.
- Microphone. L. R. Burroughs and M. H. Boldt. 155,270, Sept. 20.
- Microphone. C. Karstadt. 154,781, Aug. 9.
- Microphone and base therefor, Combined. J. B. Federico and M. M. Palo. 156,329, Dec. 6.
- Mirror. F. A. Krohm. 156,436, Dec. 13.
- Mirror. F. A. Marty. 152,347, Jan. 11.
- Mirror, Automobile. R. K. Stortz. 155,551, Oct. 11.
- Mirror, Folding knee. P. D. MacWilliams. 155,095-6, Sept. 6.
- Mirror, Forward view automobile. R. K. Stortz. 154,961, Aug. 23.
- Mirror illumination unit. W. M. Adrian. 154,892, Aug. 23.
- Mirror or similar article. L. Marder. 156,356, Dec. 6.
- Mirror, Rear view. F. J. Aves. 154,833, Aug. 16.
- Mirror, Rearview. F. C. Perry. 155,835, Nov. 1.
- Mitt, Baseamans. W. J. Sonnett. 153,186, Mar. 22.
- Mitten. A. Lamb. 156,541, Dec. 20.
- Mitten. G. A. Whittaker. 156,590, Dec. 20.
- Mixer. C. Karstadt. 155,089, Sept. 6.
- Mixer, Amalgam. H. E. Meltzer. 152,488, Jan. 25.
- Mixer and dispenser, Fruit juice. M. Harrison. 156,417, Dec. 13.
- Mixer, Concrete. G. A. Fleischmann. 156,414, Dec. 13.
- Mixer, Drink. A. Iannelli. 156,342, Dec. 6.
- Mixer, Drink. R. P. Pierce. 156,556, Dec. 20.
- Mixer, Drink. F. C. Schwaneke. 156,674, Dec. 27.
- Mixer, Food. C. Karstadt. 155,899, Nov. 8.
- Mixing machine or the like, Concrete. G. A. Fleischmann. 152,872-3, Mar. 1.
- Moistener, Envelope. R. McKamen. 155,022, Aug. 30.
- Mold, Cake. J. Renalde. 156,663, Dec. 27.
- Mold for food patties. J. H. Osgood and W. A. Goodwin. 153,820, May 17.
- Molding machine, Dough. R. N. Winfree. 154,574, July 19.
- Molding machine, Injection. A. C. Carlson. 153,852, May 24.
- Molding machine or the like. G. S. Bohannon. 153,578, May 3.
- Molding machine, Roll. J. A. Boston. 156,067, Nov. 22.
- Mop head and handle socket, Combination. F. Wagner. 152,843, Feb. 22.
- Motor. N. Shaeffer. 154,811, Aug. 9.
- Motor coach. R. Loewy. 156,445, Dec. 13.
- Motor having a power head, Outboard. E. C. Kiekhaefer. 153,705, May 10.
- Motor support and fan guard mounting, Combined. J. A. Lechtenberg. 156,440, Dec. 13.
- Motor unit. J. Bernard. 154,655, Aug. 2.
- Motor with speed control, Geared head fluid. O. A. Lind. 154,688, Aug. 2.
- Mount, Fishing rod reel. W. L. Rives. 154,068, June 7.
- Mounting, Finger ring. M. Jackson. 156,626, Dec. 27.
- Mounting for a hand telephone. R. H. Ricker. 153,086, Mar. 15.
- Mounting for a hand telephone, Wall. G. R. Lum. 152,276, Jan. 4.
- Mounting for fishing rods, Top. E. Wodetzky. 155,954, Nov. 8.
- Mounting, Gem. M. Ostier. 155,178, Sept. 13.
- Mower, Electric driven lawn. A. E. Emmons. 154,108, June 14.
- Mower, Lawn. S. C. Lund. 153,070, Mar. 15.
- Mower, Lawn. W. J. Muller. 152,899, Mar. 1.
- Mower, Power lawn. P. W. Hainke. 154,474, July 12.
- Mowing machine. K. E. Hileman. 153,608, May 3.
- Mug. I. Kelley. 152,982, Mar. 8.
- Mug, Drinking. W. W. Hoople. 155,289, Sept. 20.
- Musical instrument. W. S. Frazier. 153,273-5, Apr. 5.
- Nail file. J. M. Alvirza. 154,227, June 28.
- Name plate, Burial vault. L. S. Basalay. 153,844, May 24.
- Name plate, Magnetic desk. J. J. Hatfield. 155,421, Oct. 4.
- Napkin or similar article. K. C. Hamilton. 155,604, Oct. 18.
- Necktie. N. Keramaris. 152,803, Feb. 22.
- Necktie. V. Klein. 156,539, Dec. 20.
- Necklace. M. Duvalet. 154,030, June 7.
- Necklace. W. W. Hobé. 152,337, Jan. 11.
- Necklace and clip, Combined. S. E. Weinreich. 153,409, Apr. 12.
- Necklace and ear rings or similar article, Combined. M. H. and C. W. Pizzano. 152,434, Jan. 18.
- Necklace or like article. H. Steinbach. 152,752, Feb. 15.
- Necklace or similar article. A. Katz. 152,789-800, Feb. 22.
- Necklace or similar article. A. Katz. 152,886, Mar. 1.
- Necklace or similar article. A. Katz. 152,976, Mar. 8.
- Necklace or similar article. A. Katz. 152,979-80, Mar. 8.
- Necklace or similar article. A. Katz. 153,292-3, Apr. 5.
- Necklace or similar article. A. Katz. 153,360-2, Apr. 12.
- Necklace or similar article. A. Katz. 153,435, Apr. 19.
- Necklace or similar article. A. Katz. 154,043-6, June 7.
- Necklace or similar article. A. Katz. 155,165-6, Sept. 13.
- Necklace or similar article. A. Katz. 156,431-4, Dec. 13.
- Necklace or similar article. A. Katz. 156,514, Dec. 20.
- Necklace or similar article. A. Katz. 156,530, Dec. 20.
- Necklace or similar article. A. Katz. 156,532-5, Dec. 20.
- Necklace or similar article. A. Philippe. 152,359-60, Jan. 11.
- Necklace or similar article. A. Philippe. 152,363, Jan. 11.
- Necklace or similar article. A. Philippe. 152,728, Feb. 15.
- Necklace or similar article. A. Philippe. 152,730-2, Feb. 15.
- Necklace or similar article. A. Philippe. 152,734-5, Feb. 15.
- Necklace or similar article. A. Philippe. 153,024, Mar. 8.
- Necklace or similar article. A. Philippe. 153,028-9, Mar. 8.
- Necklace or similar article. A. Philippe. 153,380-3, Apr. 12.
- Necklace or similar article. A. Philippe. 153,386-7, Apr. 12.
- Necklace or similar article. A. Philippe. 153,389, Apr. 12.
- Necklace or similar article. A. Philippe. 154,063-4, June 7.
- Necklace or similar article. A. Philippe. 154,304-5, June 28.
- Necklace or similar article. A. Philippe. 154,630-6, July 26.
- Necklace or similar article. A. Philippe. 154,704, Aug. 2.
- Necklace or similar article. A. Philippe. 154,706-8, Aug. 2.
- Necklace or similar article. A. Philippe. 155,204-7, Sept. 13.
- Necklace or similar article. A. Philippe. 155,221-3, Sept. 13.
- Necklace or similar article. A. Philippe. 155,226-8, Sept. 13.

- Necklace or similar article. A. Philippe. 155,320, Sept. 20.
- Necklace or similar article. A. Philippe. 155,448, Oct. 4.
- Necklace or similar article. A. Philippe. 156,160-2, Nov. 22.
- Necklace or similar article. A. Philippe. 156,273, Nov. 29.
- Necklace or the like. H. Bogoff. 153,204, Mar. 29.
- Needle, Knitting. E. Williamson. 154,971, Aug. 23.
- Negligee. V. Giovagnoni. 153,785, May 17.
- Negligee. V. Giovagnoni. 154,262, June 28.
- Nightgown, Lady's. P. J. Balog. 152,448, Jan. 25.
- Noodle or similar article. S. Mueller. 155,533, Oct. 11.
- Nozzle and control handle for dry chemical fire extinguisher, Combined. A. B. Guise and T. W. Johnson. 152,611, Feb. 8.
- Nozzle attachment for vacuum cleaners. W. F. Burri. 152,589, Feb. 8.
- Nozzle, Hose. A. L. Henkel. 153,685, May 10.
- Nozzle, Spray. F. S. Rosenthal. 156,175, Nov. 22.
- Nut cracker. J. K. Martens. 153,888, May 24.
- Oar. C. N. Beetle. 156,194, Nov. 29.
- Opener, Bottle. O. R. Galter. 153,349, Apr. 12.
- Opener, Bottle. A. M. Guior. 155,286, Sept. 20.
- Opener, Bottle. F. J. Schumacher and A. J. Kinnane. 156,568, Dec. 20.
- Opener, Can. J. B. Donnelly. 154,107, June 14.
- Opener, Can. M. J. La Forte. 155,908, Nov. 8.
- Opener, Can. L. F. Mead. 152,716, Feb. 15.
- Opener, Can. H. Odencrants. 153,722, May 10.
- Opener, Letter. G. L. Beckstrom. 153,845, May 24.
- Opener or similar article, Fish mouth. F. H. Hutchinson and C. T. Walsh. 152,478, Jan. 25.
- Opener, Transparent display letter. R. E. Gordenier. 155,087, Sept. 6.
- Opening device, Stitch and seam. K. C. Bugg. 155,386, Oct. 4.
- Organ, Electric. P. M. Fuller. 155,282, Sept. 20.
- Ornament, Automobile. G. B. Warner. 153,406, Apr. 12.
- Ornament, Automobile hood. D. E. De Tray. 156,488, Dec. 20.
- Ornament, Automobile hood. F. C. Johnson. 156,345, Dec. 6.
- Ornament, Automobile hood. H. A. Richman. 155,839, Nov. 1.
- Ornament, Automobile hood. A. R. Russell. 154,327, June 28.
- Ornament, Automobile hood top. G. A. Johnson. 156,242, Nov. 29.
- Ornament, Automobile radiator. R. M. De Tray. 156,489, Dec. 20.
- Ornament, Christmas tree. V. P. O'Brien. 152,490, Jan. 25.
- Ornament, Christmas tree. R. J. Silverman. 153,642, May 3.
- Ornament, Decorative light. S. K. Lane. 155,909-13, Nov. 8.
- Ornament, Fender. J. L. and J. A. Domann. 156,611-12, Dec. 27.
- Ornament or similar article, Automobile hood. W. H. Johnsen. 153,877, May 24.
- Ornament or similar article, Christmas tree. W. H. Backer. 156,476, Dec. 20.
- Ornament or similar article, Mantel. A. C. Jensen. 155,162, Sept. 13.
- Ornament or similar article, Table. L. McDougall. 153,966, May 31.
- Ornament or similar article, Vehicle hood. A. W. Prance. 155,034, Aug. 30.
- Ornament, Tie knot. L. C. Marchetti. 156,449, Dec. 13.
- Ornament, Vehicle number plate. W. H. Burns. 155,776, Nov. 1.
- Orphrey or similar article. O. A. Scheurmann. 155,544-5, Oct. 11.
- Oven. W. Fader. 153,592, May 3.
- Oven or similar article, Baking. J. F. Stammer. 153,992, May 31.
- Oven, Pizza pie. A. I. Fader and I. Nevin. 152,952, Mar. 8.
- Overshoe. L. Burt. 154,461, July 12.
- Overshoe. D. A. Goeller. 152,255, Jan. 4.
- Overshoe. J. J. Marx. 154,501, July 12.
- Overshoe, Woman's. A. L. Kelly. 154,685-6, Aug. 2.
- Overshoe, Woman's. H. A. Watkins and E. M. Heimerl. 154,007, May 31.
- Pack for fragile articles. E. L. Shepard. 155,932, Nov. 8.
- Pack, Fruit. P. M. Williams. 155,114, Sept. 6.
- Pack of game cards. J. Brzeski. 155,268, Sept. 20.
- Package, Novelty gift. R. W. F. Halbach, Jr. 154,846, Aug. 16.
- Packaging machine, Vacuum. T. M. Reimers. 152,435, Jan. 18.
- Packer, Fruit. E. L. Shepard. 155,109, Sept. 6.
- Packing material for fragile articles. E. L. Shepard. 152,834, Feb. 22.
- Pad, Knee. B. Mechur and W. Riedler. 152,635, Feb. 8.
- Pad, Molded pulp cushion. W. J. De Reamer. 153,209, Mar. 29.
- Pajama suit or similar article. H. A. Russian. 152,830, Feb. 22.
- Pan for a refrigerator cabinet, Crisper. O. E. Norberg. 155,355, Sept. 27.
- Panel, Automobile instrument. E. E. Anderson. 154,576, July 26.
- Panel, Automobile instrument. R. J. Lauer. 154,611, July 26.
- Panel, Automobile instrument. A. A. Ross. 154,638-9, July 26.
- Panel, Building siding. R. D. Bordeaux. 153,109, Mar. 22.
- Panel, Fence. N. J. Hays. 153,876, May 24.
- Panel, Fluid pressure gauge. R. E. Heyman. 153,218, Mar. 29.
- Panel for a television receiver or the like, Front. V. A. Kamin. 152,267, Jan. 4.
- Panel for an electronic timer or similar article. J. W. Lauricella. 152,626, Feb. 8.
- Panel, Instrument. W. S. Fletcher. 152,605, Feb. 8.
- Panel, Interior wall. W. Chavalas. 156,200-10, Nov. 29.
- Panel or similar article, Indicating. M. Hallward. 156,094, Nov. 22.
- Panel or similar article, Motor vehicle inside. E. Macauley. 154,938, Aug. 23.
- Panel unit, Cooking range control. M. Ferar. 154,112, June 14.
- Panel unit for stoves, Indicator control. E. A. Fink. 154,113, June 14.
- Panties. A. M. Sebastian. 152,501, Jan. 25.
- Panties, Baby. E. Foreman. 152,606, Feb. 8.
- Paper for candy boxes or the like, Covering. E. Volz. 155,852, Nov. 1.
- Paper holder and note book support, Combined. G. B. McCay and W. E. Hacker. 154,560, July 19.
- Paper or article of similar nature, Safety. J. H. Harland. 155,156, Sept. 13.
- Paper, Wrapping. J. V. Di Yorio. 153,340, Apr. 12.
- Paper, Wrapping. O. F. Marquardt. 154,051-2, June 7.
- Paper, Wrapping. C. A. Pennock. 156,366, Dec. 6.
- Pasteurizer or similar article, Milk. E. K. Malmé. 155,822, Nov. 1.
- Pedestal and mirror, Combined. G. R. Fitzgerald. 155,495, Oct. 11.
- Peeling apparatus, Power-operated. H. Pearlman. 155,359, Sept. 27.
- Pen, Ball, or similar article. S. M. Sager. 153,905, May 24.
- Pen, Ball point. A. W. Jensen. 153,290, Apr. 5.
- Pen, Ball point fountain. R. J. Lohr and L. J. Campbell. 153,713, May 10.
- Pen, Fountain. D. Kahn. 155,613, Oct. 18.
- Pen, Fountain. J. A. Snodgrass. 153,643, May 3.
- Pen or similar article, Fountain. L. Morrison. 155,532, Oct. 11.
- Pen unit, Desk. J. Greenstein and H. Sack. 155,152, Sept. 13.
- Pencil. D. Kahn. 155,429, Oct. 4.
- Pencil and knife, Combination mechanical. J. M. Weiss. 155,561, Oct. 11.
- Pencil, Eyebrow. H. Becker. 154,653, Aug. 2.
- Pendant. L. Berstell. 154,656, Aug. 2.
- Pendant, Ear. J. Janousek. 155,511, Oct. 11.
- Pendant, Jewelry. D. Kasoff. 152,423-5, Jan. 18.
- Pendant, Jewelry. Y. A. Majeska. 156,135-40, Nov. 22.
- Pepper mill or the like. J. A. Robbins. 154,955, Aug. 23.
- Perch, Aviary. P. C. Forner. 153,272, Apr. 5.
- Percolator. R. S. Wemyss. 153,330, Apr. 5.
- Perforator, Can. E. G. Roytek. 153,396, Apr. 12.
- Perfume bottle and container, Combined. R. Denis. 153,767, May 17.
- Permanent waving machine. C. Chedister. 154,748, Aug. 9.
- Permanent waving machine. O. Seiter. 156,284, Nov. 29.
- Phonograph. H. F. Wheeler. 152,385, Jan. 11.
- Phonograph and television cabinet, Coin operated combination. F. Principe. 152,903, Mar. 1.
- Phonograph or the like, Portable upright. S. F. Louchheim. 152,710, Feb. 15.
- Phonograph pickup. L. J. Andres. 156,307, Dec. 6.
- Photographic exposing, developing, and printing apparatus. D. D. Hotfield. 155,507, Oct. 11.
- Photographic laboratory, Portable. C. M. Nielsen. 152,557, Feb. 1.
- Piano. G. W. Cushing and A. Hahn. 154,751, Aug. 9.
- Piano. W. Millington and W. M. Day. 154,296, June 28.
- Piano and lighting fixture, Combined. R. Blatt. 154,741, Aug. 9.
- Piano or similar article. A. Bach. 154,737, Aug. 9.
- Piano or similar article. A. P. Brown. 154,836-8, Aug. 16.
- Piano or similar article. A. P. Brown. 154,986, Aug. 30.
- Piano or similar article. A. P. Brown. 155,267, Sept. 20.
- Pickup, Phonograph. J. J. Esses. 154,843, Aug. 16.
- Pickup, Phonograph. R. E. Hitchcock. 154,853, Aug. 16.
- Piercer, Can top. J. G. Pessina. 155,314, Sept. 20.
- Pin. H. M. Osers. 156,026, Nov. 15.
- Pin and container or similar article, Combined. R. L. Sandefur. 155,928, Nov. 8.
- Pin clip or similar article. A. Katz. 153,697, May 10.
- Pin clip or similar article. A. Katz. 154,280, June 28.
- Pin-clip or similar article. A. Philippe. 156,270, Nov. 29.
- Pin, Collar point. N. A. Gordon. 155,600, Oct. 18.
- Pincushion. F. E. Callahan. 156,602, Dec. 27.

- Pin, Figurette lapel. W. R. P. Wilson. 156,063, Nov. 15.
 Pin, Hair curl. A. A. Tardiff. 153,402, Apr. 12.
 Pin, Jewelry. D. Kasoff. 152,268-9, Jan. 4.
 Pin, Jewelry. D. Kasoff. 152,420-2, Jan. 18.
 Pin or the like, Lapel. D. Campbell. 156,073, Nov. 22.
 Pin or the like, Lapel. G. Klumpp. 156,540, Dec. 20.
 Pipe rack, Smoker's. E. A. Rosenbaum. 152,498, Jan. 25.
 Pipe rest and article holding guard, Combination. L. Horton. 156,339, Dec. 6.
 Pipe, Smoker's. F. F. Flint. 153,869, May 24.
 Pipe, Smoker's. M. G. Sampson. 152,369, Jan. 11.
 Pipe, Smoker's tobacco. H. G. Romberg. 153,175, Mar. 22.
 Pipe, Smoking. C. W. Booker. 152,319, Jan. 11.
 Pipe, Smoking. K. Galashek. 154,917, Aug. 23.
 Pipe stand and ash tray, Combination. L. K. Lindzy. 156,355, Dec. 6.
 Pipe working machine. R. B. Pealer. 153,014, Mar. 8.
 Pistol, Air. W. B. Winslow. 154,828, Aug. 9.
 Pitcher. J. H. McKinnon. 154,691, Aug. 2.
 Pitcher. L. H. Russell. 155,632, Oct. 18.
 Pitcher. L. H. Russell. 156,671, Dec. 27.
 Pitcher. E. S. Tupper. 154,348, June 28.
 Pitcher, Cereal. M. G. Yutzey. 155,759, Oct. 25.
 Pitcher, Ice water. C. M. Burroughs. 155,269, Sept. 20.
 Pitcher, Measuring. N. Softis. 155,240, Sept. 13.
 Picture screen base, Portable. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 152,536, Feb. 1.
 Picture screen, Portable. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 152,537, Feb. 1.
 Plane. E. G. Simon. 154,189, June 14.
 Planer. J. M. Marisseau and R. Duval. 156,645, Dec. 27.
 Plaque. W. Sabelis. 153,036, Mar. 8.
 Plaque, Illuminable. V. Howard. 154,854, Aug. 16.
 Plaque or similar article, Illuminable wall. O. A. Kuhler. 152,889, Mar. 1.
 Plaque, Wall. A. D'Angelo. 154,665, Aug. 2.
 Plaque, Wall. D. D. Stockdale. 153,834, May 17.
 Plate. E. M. Bottome. 156,598, Dec. 27.
 Plate. F. R. Helms. 156,625, Dec. 27.
 Plate. M. G. Yutzey. 155,763, Oct. 25.
 Plate, Cake. M. G. Yutzey. 155,762, Oct. 25.
 Plate, Cover. F. G. Bellek. 154,834, Aug. 16.
 Plate for an automobile, Emblem. A. R. Willoughby. 155,951, Nov. 8.
 Plate for an illuminable sign, End. F. Iglesias. 156,512, Dec. 20.
 Plate for cycle pedals, Cross. C. A. Persons. 156,158-9, Nov. 22.
 Plate for electric wiring devices, Face. V. R. Despard. 154,371-2, July 5.
 Plate for lighting fixtures, Glass. K. Franck and V. Wince. 152,250, Jan. 4.
 Plate for lighting fixtures, Glass. R. G. McPhail. 153,536, Apr. 26.
 Plate for powered mower, Guard. G. B. Malott. 155,019, Aug. 30.
 Plate, Hot water. E. S. Zeisel. 152,312, Jan. 4.
 Plate, Hot-water. E. S. Zeisel. 152,667, Feb. 8.
 Plate or article of similar nature, Sandwich. T. C. Heisey. 156,508, Dec. 20.
 Plate or similar article. G. J. Higginson. 155,423, Oct. 4.
 Plate or similar article. A. Rosenfeld. 154,511, July 12.
 Plate or similar article, Buffing wheel. S. Goldberg. 155,085, Sept. 6.
 Plate or similar article, Name. N. R. Peet, Jr. 156,157, Nov. 22.
 Plate or similar article, Ridge. R. E. Lushbaugh. 155,018, Aug. 30.
 Plate or the like. H. A. Silverman. 154,337, June 28.
 Plate, Switch. J. S. Johnson. 155,088, Sept. 6.
 Plate type apparatus for handling fluids. B. G. Newhall. 155,623, Oct. 18.
 Play yard, Juvenile. I. Brand. 153,335, Apr. 12.
 Pliers. K. P. Swallow. 152,754, Feb. 15.
 Plug, Electric outlet. L. E. Martin. 155,174, Sept. 13.
 Plug, Electrical. W. T. Gossard. 155,150, Sept. 13.
 Plug, Electrical cord. A. Greenbaum. 156,505, Dec. 22.
 Plug, Electrical wall. W. T. Gossard. 155,151, Sept. 13.
 Plug, Heater. A. H. Massey. 152,631, Feb. 8.
 Polisher. C. Karstadt. 153,807, May 17.
 Polisher, Floor. P. W. Johnson. 152,419, Jan. 18.
 Polisher, Floor. C. B. Stevens. 155,242, Sept. 13.
 Polishing device, Toe nail. P. Reid. 154,324, June 28.
 Polishing machine, Floor. W. E. Holt. 152,617, Feb. 8.
 Popper, Electric pop corn. C. B. Hobbs. 154,484, July 12.
 Pot, Beverage. L. H. Hillman. 155,424, Oct. 4.
 Pot, Watering. V. A. Savarese. 154,882, Aug. 16.
 Pouch and lighter, Combined tobacco. R. F. Kirby. 155,291, Sept. 20.
 Pouch, Tobacco. R. C. Richey. 154,807, Aug. 9.
 Pourer, Bottle. R. L. Schneider. 154,514, July 12.
 Preselector, Radio program. F. H. Owens. 153,234, Mar. 29.
 Press. R. M. Norman and N. F. MacMillin. 156,553, Dec. 20.
 Press, Hydraulic. C. K. Goldberg. 156,333-4, Dec. 6.
 Press, Hydraulic. H. V. Mills. 153,892, May 24.
 Press, Shoe sole. M. Jaffe. 154,780, Aug. 9.
 Press unit, Hydraulic. W. C. Denison, Jr. 154,667, Aug. 2.
 Pressure gauge and relief valve or similar article, Combined. R. D. Waite. 153,651, May 3.
 Printing and developing machine, Combined. J. W. Coffman and F. O. Trump. 152,518, Feb. 1.
 Projection apparatus. J. Y. and C. C. Taylor. 152,504, Jan. 25.
 Projector. F. W. Hertzler. 154,775, Aug. 9.
 Projector and carrying case therefor, Combined sound and motion-picture. O. Kendall and S. W. Loach. 152,482, Jan. 25.
 Projector apparatus and carrying case therefor, Combined portable motion-picture. W. C. De Vry. 153,863, May 24.
 Projector machine and carrying case therefor, Combined portable motion-picture. W. C. De Vry. 153,862, May 24.
 Projector, Motion-picture. K. A. Van Dyck. 154,726, Aug. 2.
 Projector or similar article, Microfilm. J. T. Armbruster. 154,093, June 14.
 Projector or similar article, Slide. G. K. Lewis. 155,172, Sept. 13.
 Propeller, Aircraft. E. G. McCauley and S. M. Gamsu. 152,712, Feb. 15.
 Proportioning and mixing apparatus, Medicinal and dental. J. J. Curry. 154,589, July 26.
 Protector and clip, Combined pencil and pen point. H. Esterow. 156,413, Dec. 13.
 Protector, Flatiron. S. E. Geib. 153,350, Apr. 12.
 Protector machine, Check. G. W. Tammen. 156,055, Nov. 15.
 Pull, Drawer. C. W. Sundberg and M. Ferar. 153,835, May 17.
 Pull for zippers and the like, Finger. D. I. Reiter. 154,144, June 14.
 Pull toy. H. C. Roberts. 152,290, Jan. 4.
 Pulley assembly, Clothesline. J. W. Conway. 155,485, Oct. 11.
 Pulverizer for compost and the like, Power. L. G. Hough and R. J. Collins. 152,338, Jan. 11.
 Pump. A. F. McFarland. 154,619-20, July 26.
 Pump. J. D. and G. B. Shafer. 155,739, Oct. 25.
 Pump, Aquarium. M. Horowitz. 154,486, July 12.
 Pump, Fluid. M. E. Marsalis. 154,617, July 26.
 Pump, Portable vacuum. W. F. Collier. 156,075, Nov. 22.
 Pumping unit for hospital use. E. O. Pratt. 154,430, July 5.
 Punch and riveting tool. L. T. McNamara. 154,561, July 19.
 Punch, Can. H. L. Morris. 154,792, Aug. 9.
 Punch, Paper. W. H. Misson. 152,283, Jan. 4.
 Puncturing device, Can. L. E. Weldon and G. A. Peters. 154,500, July 12.
 Purse, Child's. E. B. Shevis. 155,742, Oct. 25.
 Push-chair, Child's. H. R. Shaw. 153,906, May 24.
 Puzzle cubes, Set of. W. Holcomb. 156,338, Dec. 6.
 Quoit and horseshoe pitching device, Combined. J. Koehes. 152,984, Mar. 8.
 Race member, Extruded metal twin ball. T. C. Cowdroy. 154,463, July 12.
 Rack. N. Lewis. 156,132, Nov. 22.
 Rack. I. R. Linnard. 153,957, May 31.
 Rack and cigarette holder, Combined ash tray. C. M. Sanders. 152,370, Jan. 11.
 Rack and condiment shaker holder, Combined knife. P. H. Kitzler. 155,014, Aug. 30.
 Rack and desk unit, Combination pen. P. Rossi. 152,747, Feb. 15.
 Rack and pot holders or similar article, Combined. S. Brodsky. 155,574, Oct. 18.
 Rack and sharpener, Combined knife. E. P. Kampa. 153,526, Apr. 26.
 Rack, Baggage. E. F. Hopkins. 156,008, Nov. 15.
 Rack, Cigarette package. N. E. Durbin. 154,248, June 28.
 Rack, Clothing display. G. Hinkle. 153,686, May 10.
 Rack, Combination washcloth and towel. N. F. Heym. 154,679, Aug. 2.
 Rack, Display. I. Hertzberg. 155,509, Oct. 11.
 Rack, Earring. K. R. Armstrong. 154,094, June 14.
 Rack, Folding clothes. A. J. Rochow. 154,956, Aug. 23.
 Rack for hosiery. V. F. Blomquist. 156,480, Dec. 20.
 Rack for microscopic slides or similar article. V. R. Bennett. 152,389, Jan. 18.
 Rack or similar article, Desk file. B. D. Kaplan and A. Weiner. 155,010, Aug. 30.
 Rack or the like for billiard cues. D. Deskey. 154,103-5, June 14.
 Rack, Pie. H. R. Lewis. 156,545, Dec. 20.
 Rack, Plate. H. A. Nieboer. 155,027, Aug. 30.
 Rack, Tie. H. M. Canner. 152,591, Feb. 8.
 Rack, Tie. S. Lipsitz. 154,554, July 19.
 Rack, Tie. H. L. Millward. Sr. 155,100, Sept. 6.
 Rack, Tie. H. D. Sallee. 156,563, Dec. 20.
 Rack, Tie. C. R. Woodbury. 155,957, Nov. 8.
 Rack, Towel. T. R. Eakins. 152,331, Jan. 11.
 Rack, Towel. M. J. Grady. 156,231, Nov. 29.
 Radiator cap, Electronic tube. C. O'Rourke. 155,357, Sept. 27.
 Radiator, Electric heating. E. Diamond. 152,397, Jan. 18.
 Radio, clock and lamp, Combined. I. Engel. 153,269, Apr. 5.
 Radio receiver. G. H. Kress. 153,881, May 24.
 Rail vehicle. O. A. Kuhler. 153,367, Apr. 12.

- Rainboot. J. R. Carr. 155,778, Nov. 1.
 Rain hood or similar article. W. J. Peters. 153,623, May 3.
 Ramp, Passenger loading. P. W. Nichols. 154,137, June 14.
 Range. M. Hallward. 152,264, Jan. 4.
 Range, Cooking. W. Bauer. 154,979, Aug. 30.
 Range, Cooking. L. F. Covey. 152,596, Feb. 8.
 Range, Cooking. C. Reynolds, Jr. 154,711, Aug. 2.
 Range, Electric. L. F. Berg. 155,118, Sept. 13.
 Range, Electric. H. L. Porter. 153,976, May 31.
 Range, Gas. H. L. Porter. 153,977, May 31.
 Range, Kitchen. M. Ferar. 153,126-7, Mar. 22.
 Range or similar article, Domestic. F. M. Pence. 154,874, Aug. 16.
 Rattle. D. R. Givens. 153,571, Apr. 26.
 Rattle or similar article. L. Packman. 153,544-7, Apr. 26.
 Razor, Safety. H. D. Bratter. 153,111, Mar. 22.
 Receiver, Television. J. C. Kromhout. 152,341, Jan. 11.
 Receiver, Television. C. J. Steinke. 154,817, Aug. 9.
 Receiving screen, Overhead television. V. Trad. 155,462, Oct. 4.
 Receptacle and applicator, Perfume. L. L. Patterson. 155,031, Aug. 30.
 Receptacle body, Electrical cleat. L. Ludwig. 152,275, Jan. 4.
 Receptacle, Compact and lipstick. P. Flato. 154,670, Aug. 2.
 Receptacle, Condiment. J. R. Scheip. 153,237-8, Mar. 29.
 Receptacle, Dental floss. H. H. Bashore. 154,894, Aug. 23.
 Receptacle, Disposal. E. H. McGraw. 154,408, July 5.
 Receptacle for a bottle. A. Perlman. 156,555, Dec. 20.
 Receptacle for coins or similar articles. C. N. Weill. 155,467, Oct. 4.
 Receptacle for fire extinguishing grenades. A. Cizek. 153,853, May 24.
 Receptacle, Identification. H. L. Gaudriot. 156,228, Nov. 29.
 Receptacle, Multiple compartment. B. Freedman and M. Farber. 154,377, July 5.
 Receptacle, Pin. D. M. Gould and A. E. Lewis. 152,257, Jan. 4.
 Receptacle, Waste. R. L. Moore. 153,443, Apr. 19.
 Recorder, Card time. G. H. Kress. 155,016, Aug. 30.
 Recorder, Facsimile. W. D. Teague. 152,303, Jan. 4.
 Recording machine, Time. G. H. Kress. 155,516, Oct. 11.
 Reel. L. J. Jedlicka. 156,108, Nov. 22.
 Reel, Clothesline. F. Johnson. 152,884, Mar. 1.
 Reel for children or similar article, Safety. E. Oswald and J. G. Wolf. 154,424, July 5.
 Reflector head for an ultraviolet lamp. J. A. Mehr. 152,348, Jan. 11.
 Refrigeration unit, Self-contained. E. W. Ekstrand. 153,866, May 24.
 Refrigerator. R. C. Sandin. 154,186-8, June 14.
 Refrigerator, electric hot plate, and water cooler unit, Combination. E. A. Lundy. 153,071, Mar. 15.
 Refrigerator, Portable. I. S. Carrington. 156,483, Dec. 20.
 Register. R. D. Huszagh. 152,476-7, Jan. 25.
 Register, Autographic. R. Katz. 154,286, June 28.
 Register, Sales meter. C. F. Ramsay. 154,322, June 28.
 Regulator, Fluid pressure. R. E. Heyman. 153,219, Mar. 29.
 Regulator, Fluid pressure. W. D. Teague. 153,244, Mar. 29.
 Regulator for liquid dispensing device. L. Werthelmer. 156,391, Dec. 6.
 Regulator, Gas pressure. G. L. Hammon. 153,063-4, Mar. 15.
 Regulator or similar article, Carbon pile. E. R. Davis. 154,246, June 28.
 Regulator or similar article, Gas pressure. F. Niesemann and H. Van Doren. 154,624, July 26.
 Regulator, Pressure control. W. J. MacCauley. 152,809, Feb. 22.
 Remover and cork screw, Combined bottle cap. H. L. Ross. 154,880, Aug. 16.
 Resistance-carrying body for rheostats and the like. P. H. Voorlas. 156,587, Dec. 20.
 Resistor, Miniature twin variable. K. W. Youngbeck and H. J. Gluckstein. 155,469, Oct. 4.
 Rest, Buttock. L. Richards. 156,664, Dec. 27.
 Restaurant or the like, Drive-in. N. D. Gustin, E. W. Hartung, and M. A. Selo.
 Resuscitator, Inhalator, and aspirator cabinet, Combination. M. H. Goodner. 153,934, May 31.
 Retriever, Fishing lure. J. S. Knaur. 156,013, Nov. 15.
 Retriever, Fishing plug, or similar article. F. H. Kocarek. 153,366, Apr. 12.
 Rewinding device for bandage material. C. Cramer. 154,241, June 28.
 Ring. A. D. Bastien. 154,233, June 28.
 Ring. G. S. and E. Cohen. 152,396, Jan. 18.
 Ring. F. C. Kerchner. 155,167, Sept. 13.
 Ring and perfume container, Combined. E. G. Lorillard. 152,486, Jan. 25.
 Ring and watch, Combined finger. B. Silverman. 154,887, Aug. 16.
 Ring, Curtain or drapery festoon. M. J. Pollak. 153,898, May 24.
 Ring, Finger. C. M. Bradbury. 153,110, Mar. 22.
 Ring, Finger. E. G. Fitzgerald. 154,759, Aug. 9.
 Ring, Finger. M. L. Goldsmith. 154,603, July 26.
 Ring, Finger. F. P. Kinsley. 152,620, Feb. 8.
 Ring, Finger. F. J. Kuczajda. 155,293, Sept. 20.
 Ring, Finger. J. S. Patty. 154,061-2, June 7.
 Ring, Finger. A. G. Sager. 153,984, May 31.
 Ring, Finger. N. R. Schragar. 154,641, July 26.
 Ring, Finger. C. J. Scola. 153,986, May 31.
 Ring, Finger. H. J. A. Skipp. 153,829-30, May 17.
 Ring, Jeweled finger. R. A. Ritter. 153,087, Mar. 15.
 Ring or kindred article, Finger. J. B. Fishburne. 153,868, May 24.
 Ring or similar article. N. Barbieri. 154,019, June 7.
 Ring or similar article. A. Hoeckele. 154,039, June 7.
 Ring or similar article. V. Sorrentino. 154,072, June 7.
 Ring or similar article, Finger. A. Bergman. 153,203, Mar. 29.
 Ring or the like, Finger. N. Barbieri. 154,016-18, June 7.
 Ring, Wedding. S. D. Dumovitz. 152,460, Jan. 25.
 Robe or the like, Baptismal. M. B. Leavell. 156,130, Nov. 22.
 Rocker for children. E. Strack. 154,517, July 12.
 Rocking horse, Child's. W. S. Mandina. 154,050, June 7.
 Roll press end or similar article. L. Hornbostel. 155,896, Nov. 8.
 Roller, Pastry. A. Brabazon. 156,068, Nov. 22.
 Rosary. M. J. Boylan. 153,494, Apr. 26.
 Rosary. R. J. Lukeman. 155,819, Nov. 1.
 Rosary. R. E. Murray. 153,377, Apr. 12.
 Rubbing machine. H. R. Johnson. 156,513, Dec. 20.
 Rubbing machine or the like, Electric portable. S. A. Crosby and G. C. Seeger. 155,782, Nov. 1.
 Rug. L. Biva. 153,251-4, Apr. 5.
 Rug, Hard-surfaced. A. P. Macchi. 156,020, Nov. 15.
 Rug hooker, Hand operated. J. Blumfield. 152,318, Jan. 11.
 Rule, Illuminable. R. K. Olson. 154,059, June 7.
 Runner for wheeled vehicles, Sled. F. F. Mattmann. 154,406, July 5.
 Sachet pompon cat. A. Fine. 155,978, Nov. 15.
 Saddle, Cycle. E. W. Gaffield. 155,995, Nov. 15.
 Sadrion, Electric. R. I. Huffman. 153,288, Apr. 5.
 Sadrion, Electric. J. O. Reinecke. 156,031, Nov. 15.
 Sadrion, Electric. J. C. Schultz. 154,434, July 5.
 Safe, Tabernacle. M. Tedeschi. 155,941-3, Nov. 8.
 Salt shaker or similar article. S. Summon. 155,046, Aug. 30.
 Salt shaker or the like. M. Weeber. 155,055-6, Aug. 30.
 Sandal or similar article. W. R. Houston. 153,222, Mar. 29.
 Sandal or similar article, Child's. G. Codish. 156,604, Dec. 27.
 Sander, Floor. W. P. Hilger. 154,851, Aug. 16.
 Sander, Portable power. H. J. Riddle and A. B. Walker. 153,174, Mar. 22.
 Sanding machine. K. C. Atkin. 152,763, Feb. 22.
 Sauce pan. F. C. Jewell. 156,343, Dec. 6.
 Saucer and ash tray, Combined. L. B. Cooper, Jr. 154,368, July 5.
 Saucer or the like, Double. G. McWilliams. 155,826, Nov. 1.
 Saw and cleaver, Combination. P. F. Danielson. 152,600, Feb. 8.
 Saw, Band. J. M. Marisseau and R. Duval. 156,643, Dec. 27.
 Saw, Hack. D. S. McQuillan. 152,996, Mar. 8.
 Saw, Portable power-driven band. W. P. Schepige. 156,282, Nov. 29.
 Saw, Scroll. A. L. Atkins. 154,579, July 26.
 Scaffold. O. B. Morrison. 154,504, July 12.
 Scale. V. D. and A. O. Ballard. 155,769, Nov. 1.
 Scale. A. M. and M. D. Thompson. 155,944, Nov. 8.
 Scale. K. A. VanDyck. 153,566, Apr. 26.
 Scale, Bathroom. L. E. Hansen. 156,000, Nov. 15.
 Scale, Cream test. C. L. Otto. 155,312, Sept. 20.
 Scale, Dial. L. D. Singleton. 154,717, Aug. 2.
 Scale, Household weighing. V. Aleks. 153,055, Mar. 15.
 Scale, Household weighing. C. T. Walter. 154,446, July 5.
 Scale, Laboratory. C. L. Otto. 155,313, Sept. 20.
 Scale, Postal. N. Shewitz, P. L. Sloane, and A. Valksnoras, Jr. 152,377, Jan. 11.
 Scale, Weighing. H. T. Ailor. 155,961, Nov. 15.
 Scale, Weighing. J. M. Little. 155,300, Sept. 20.
 Scale, Weighing. L. Maguire. 152,810-11, Feb. 22.
 Scale, Weighing. W. O'Neill. 155,356, Sept. 27.
 Scarf. G. E. Cook. 156,214, Nov. 29.
 Scarf. R. Gottschalk. 153,519-20, Apr. 26.
 Scarf. R. Gottschalk. 154,118, June 14.
 Scarf. Q. Sandler. 156,042, Nov. 15.
 Scarf or similar article. M. Gross. 153,281, Apr. 5.
 Scarf or similar article. E. Tanzer. 152,381, Jan. 11.
 Scarf or the like. H. R. Nelson. 156,148-50, Nov. 22.
 Scissors, Pair of. P. L. Hartnett. 152,471, Jan. 25.
 Scoop for dispensing ice cream or the like. H. V. Lindbergh. 154,937, Aug. 23.
 Scoop, Ice-cream. B. F. and E. E. Lawrence. 156,543, Dec. 20.
 Scooter. D. M. Simpson. 154,070, June 7.
 Scooter, Child's. R. H. Arbib. 153,575, May 3.
 Scooter, Motor. C. B. Stevens. 156,178, Nov. 22.
 Scope, Water. E. B. Wilson. 155,665, Oct. 18.

- Scraper, Combination ice and snow. D. A. Lifshutz and L. H. Weiss. 156,638, Dec. 27.
- Scraper, Facial and body. H. H. Becker. 155,773, Nov. 1.
- Screen building for an outdoor theatre. S. H. Taylor, Jr. 153,648, May 3.
- Screen protector, Television. T. Fortino. 152,248, Jan. 4.
- Screw driver. C. M. and V. S. Skamser. 154,644, July 26.
- Screwdriver and inertia weight, Combined. S. Skamser. 153,182, Mar. 22.
- Screw driver, Miniature jewelry. J. H. Kushner. 155,297, Sept. 20.
- Screwdriver or the like. M. Wandner. 153,193, Mar. 22.
- Scrubbing machine, Rug. W. L. Petersen. 153,974, May 31.
- Sealer, Envelope. F. K. Storm, Jr., and E. H. Daniels. 155,641, Oct. 18.
- Seat and box for toys or similar articles, Combination juvenile. M. Miller. 155,619, Oct. 18.
- Seat and cover, Combined toilet. I. Chalfin and I. A. Fischer. 154,904, Aug. 23.
- Seat, Automobile. R. Cadwallader. 156,199, Nov. 29.
- Seat, Automobile. C. E. McCormick. 154,864, Aug. 16.
- Seat, Bathtub. N. Dastugue. 156,324, Dec. 6.
- Seat, Child's toilet. G. A. Muller. 155,101, Sept. 6.
- Seat, Child's toilet. O. W. Partain. 154,702, Aug. 2.
- Seat, Combined fishing reel and rod. E. P. Hurd. 153,804, May 17.
- Seat for bicycles and the like. W. I. Smith. 155,845, Nov. 1.
- Seat, Invalid's bathtub. W. Marti. 156,357, Dec. 6.
- Secretary, Writing. D. Stec. 152,925, Mar. 1.
- Separator, Cream. H. R. Dilger, S. E. Kline, and T. M. Leonard. 152,329, Jan. 11.
- Separator, Cream. J. W. Manks. 156,021, Nov. 15.
- Server, Food. R. S. Warner. 155,753, Oct. 25.
- Server for ice cream, potatoes, or the like. E. S. Prince and R. MacDougall. 156,559, Dec. 20.
- Service unit or similar article, Counter. R. V. Runnels. 156,668-70, Dec. 27.
- Servicing unit, Automobile. B. A. Beaver. 153,756, May 17.
- Serving utensil. Beverage. P. Muller-Munk. 155,438-9, Oct. 4.
- Set of letters and numerals, Block mounted. P. A. Price. 155,232, Sept. 13.
- Setting, Gem. M. Goodman. 156,092, Nov. 22.
- Setting, Gem. F. P. Kinsley. 153,297, Apr. 5.
- Setting, Gem. F. P. Kinsley. 153,530, Apr. 26.
- Settee, Rocker-glider. E. C. Allmand. 154,355, July 5.
- Sewing accessory or similar article. M. Muramatsu. 152,556, Feb. 1.
- Sewing machine. E. Howard. 153,286, Apr. 5.
- Sewing machine. L. C. Marsac and W. J. Peets. 153,224, Mar. 29.
- Shade, Automobile windshield. A. R. Ross. 156,373, Dec. 6.
- Shade, Light bulb. M. Glass. 154,767, Aug. 9.
- Shaker, Cocktail. A. Cravaritis. 152,675, Feb. 15.
- Shaker, Combination salt and pepper. M. S. Dillon. 152,601, Feb. 8.
- Shaker, Combined salt and pepper. R. W. Gish. 156,616, Dec. 27.
- Shaker, Condiment. C. Duley. 155,975, Nov. 15.
- Shaker, Condiment. H. E. Musselman and W. H. Buck. 152,641, Feb. 8.
- Shaker, Condiment. D. A. Rode. 152,739, Feb. 15.
- Shaker, Condiment. B. Ulvad. 155,657, Oct. 18.
- Shaker, Condiment. H. J. Zimmer. 154,731, Aug. 2.
- Shaker or the like, Salt. M. Weeber. 154,968, Aug. 23.
- Shaker package. R. W. Hoag. 154,682, Aug. 2.
- Shampoo rest. A. H. Roberts. 155,841, Nov. 1.
- Shaping device, Shoe. F. De Vito. 155,079, Sept. 6.
- Sharpener, Knife. J. Palma, Jr. 153,163, Mar. 22.
- Sharpener or the like, Knife. D. N. Carlson and A. E. Huskins. 153,114, Mar. 22.
- Sharpener, Pencil. L. Degefors. 155,129, Sept. 13.
- Sharpener, Pencil. C. Godfrey. 152,528, Feb. 1.
- Sharpener, Pencil. R. A. May. 152,554, Feb. 1.
- Sharpener, Scissors. R. C. Latham. 153,706, May 10.
- Shaver, Electric. C. L. Otto. 154,425, July 5.
- Shears. H. C. Wheeler. 152,761, Feb. 15.
- Shears, Pair of. A. Oker. 153,074, Mar. 15.
- Sheet, Embossed metal. R. S. Smith. 155,934-5, Nov. 8.
- Shelf for eyeglasses. V. Giuliana. 154,472, July 12.
- Shelf, Medicine cabinet. V. J. Spano. 154,437-8, July 5.
- Shelf, Package and parcel. F. W. Kent and W. F. Sievert. 156,537, Dec. 20.
- Shelf, Window. L. Yohey. 156,394, Dec. 6.
- Shell for a bracelet or similar article. E. G. O. Anderson. 153,747, May 17.
- Shell for a wrist watch bracelet, Top. E. G. O. Anderson. 154,832, Aug. 16.
- Shell for an expandible bracelet or similar article, Top. E. G. O. Anderson. 153,748-9, May 17.
- Shell for an expandible bracelet or similar article, Top. E. G. O. Anderson. 154,015, June 7.
- Shield. P. F. Holmes. 155,804, Nov. 1.
- Shining machine, Shoe. W. V. Siros. 154,718, Aug. 2.
- Shirt. W. E. Gluskin. 153,278-9, Apr. 5.
- Shirt. J. Nachman. 153,970, May 31.
- Shirt. A. Spector. 153,045, Mar. 8.
- Shirt. A. Spector. 153,187, Mar. 22.
- Shirt and tie, Combined. V. Black. 155,381, Oct. 4.
- Shirt, Basque. B. Berman. 154,895-7, Aug. 23.
- Shirt, Child's. J. A. Rielly. 155,036, Aug. 30.
- Shirt or the like, Man's. W. E. Duncan. 156,490, Dec. 20.
- Shirt, Sport. G. E. Von Elm. 156,586, Dec. 20.
- Shoe. P. Aronov. 154,651, Aug. 2.
- Shoe. L. E. Beaudin. 154,528, July 19.
- Shoe. C. W. Conaway. 153,059-60, Mar. 15.
- Shoe. W. G. and W. J. Helber. 154,541, July 19.
- Shoe. S. Litvack. 153,613, May 3.
- Shoe. J. Sandler. 152,568-72, Feb. 1.
- Shoe. J. Sandler. 154,512-13, July 12.
- Shoe. D. Teitelbaum. 152,755, Feb. 15.
- Shoe. J. B. Whatley. 152,511, Jan. 25.
- Shoe. Canvas rubber soled. J. T. Crowley. 155,783, Nov. 1.
- Shoe, Canvas rubber soled. C. E. Little. 155,816, Nov. 1.
- Shoe, Garden work and sport. D. F. Whatmore. 156,302, Nov. 29.
- Shoeborn. M. R. Lilly. 152,548, Feb. 1.
- Shoe, House. J. B. Reinhart, Jr., and J. B. Reubel. 153,723-9, May 10.
- Shoe, House. J. B. Reinhart, Jr., and J. B. Reubel. 154,509, July 12.
- Shoe, House. J. B. Reinhart, Jr., and J. B. Reubel. 156,032-4, Nov. 15.
- Shoe, Infant's. W. Kaut, Jr., L. F. Lauman, and F. J. Winter, Jr. 153,295, Apr. 5.
- Shoe, Moccasin type. W. M. Page. 154,507, July 12.
- Shoe, Moccasin type. W. M. Page. 154,797, Aug. 9.
- Shoe or similar article. W. Braun. 153,258-9, Apr. 5.
- Shoe or similar article. H. Diamant. 153,768-70, May 17.
- Shoe or similar article. R. E. Frederick. 154,469, July 12.
- Shoe or similar article. A. B. Gifford. 155,413, Oct. 4.
- Shoe or similar article. A. Hurlzeler. 154,777, Aug. 9.
- Shoe or similar article. D. E. Levin. 154,498, July 12.
- Shoe or similar article. L. J. Martin. 153,889, May 24.
- Shoe or similar article. J. Matrick. 153,890, May 24.
- Shoe or similar article. E. Seligman. 153,562, Apr. 26.
- Shoe or similar article, Lady's. D. E. Levin. 154,290, June 28.
- Shoe or similar article, Man's. F. J. Braga. 153,256, Apr. 5.
- Shoe, Rubber. L. M. Rishell. 156,169, Nov. 22.
- Shoeshine machine, Automatic. C. Bader. 153,842, May 24.
- Shoe shining machine. P. De Douglass. 152,328, Jan. 11.
- Shoe tree. A. V. Ironside and R. E. Souther. 154,681, Aug. 2.
- Shoe, Water. D. L. Fenlason. 154,594, July 26.
- Shooting apparatus, Marble. W. E. Richardson. 156,035, Nov. 15.
- Showcase fitting, Extruded metal. T. C. Cowdroy. 154,101, June 14.
- Shower fixture. W. H. Meirink. 154,209, June 21.
- Shower head. J. P. Magos and C. Bolling. 155,097, Sept. 6.
- Shower head or similar article. F. L. Beebee. 153,490, Apr. 26.
- Shrine. W. T. Jones. 155,346, Sept. 27.
- Shroud for windshield wiper arm. F. A. Krohm. 152,888, Mar. 1.
- Shuttlecock. F. Bentley. 155,966, Nov. 15.
- Side plate for gasoline engines, Generator housing. F. A. Sherman. 155,741, Oct. 25.
- Sign, Advertising. D. L. Baumgarten. 154,652, Aug. 2.
- Sign, Counter. C. L. Dwinell. 152,399, Jan. 18.
- Sign for motor vehicles, Illuminable. W. H. Brandes. 154,460, July 12.
- Sign for vehicles, Electric advertising. G. M. Pierce. 152,433, Jan. 18.
- Sign, Illuminable clock. W. H. Berry. 156,595, Dec. 27.
- Sign, Retractable. J. J. Hammer. 153,604, May 3.
- Sign, Revolving. W. L. Stensgaard. 154,723, Aug. 2.
- Sign, Traffic warning. O. Horn. 153,525, Apr. 26.
- Signal and backup light, Combination directional. H. G. Dibelka. 155,587, Oct. 18.
- Signal for motor vehicles or the like. Directional. S. Pedersen, F. W. Neumeyer, and L. P. Helme. 153,821, May 17.
- Signal for vehicles, Direction. I. E. Brown. 156,318, Dec. 6.
- Signal, Highway reflector. R. R. Gunderson. 155,417, Oct. 4.
- Signal, Highway traffic. R. O. Ferguson. 155,001, Aug. 30.
- Signal, Highway traffic. R. O. Ferguson. 155,406, Oct. 4.
- Signal, Highway traffic. R. O. Ferguson. 155,492-3, Oct. 11.
- Signal light and ash receiver, Combined. A. C. Conner. 153,766, May 17.
- Signal light for motor vehicle or similar article, Portable. F. K. Hussey. 153,805, May 17.
- Signal or the like, Road. H. A. Premack. 152,496, Jan. 25.
- Signal, Road. E. A. Lieutard. 156,258, Nov. 29.
- Signal, Traffic. R. F. Broussard and C. A. Toce. 155,331, Sept. 27.

- Sink, Cabinet. N. Lewis. 153,710, May 10.
Sink, Kitchen. C. W. Sundberg and M. Ferar. 155,368, Sept. 27.
Sinker or the like, Fishing line. C. L. Hinkson. 153,798, May 17.
Ski. R. P. Brown. 154,367, July 5.
Ski-sled. R. P. Brown. 154,366, July 5.
Skirt, Plaited. E. Donath. 152,603, Feb. 8.
Skirt, Sun. N. O. Morgan. 154,621, July 26.
Slat, Venetian blind. H. Nelson. 152,818, Feb. 22.
Sled. L. Vavrik. 153,567, Apr. 26.
Sleeping garment, Child's. E. E. Carpenter and E. Plucar. 153,262, Apr. 5.
Slider or the like, Cheese. W. Selikoff and W. B. McBride. 152,749, Feb. 15.
Slider, Vegetable. N. K. Morris. 152,721, Feb. 15.
Slicing machine. C. Klingens and J. L. Foster. 155,292, Sept. 20.
Slip for dictating machines, Index. R. M. Somers. 155,936, Nov. 8.
Slip or similar article. S. Wolf. 154,010, May 31.
Slipper. T. A. Deleo. 155,786, Nov. 1.
Slipper, Adjustable. J. A. and E. K. Lahnstein. 155,814, Nov. 1.
Slipper, Child's. R. J. Kienzle. 153,364, Apr. 12.
Slipper, Child's. R. J. Schreck. 156,044, Nov. 15.
Slipper or similar article. H. Simon. 156,047-9, Nov. 15.
Slipper or similar article, Bedroom. S. Wood. 155,956, Nov. 8.
Snuffer, Cigarette. J. R. Robbins. 156,464, Dec. 13.
Soap bubble device. S. Johanson. 155,344, Sept. 27.
Sock or similar article. R. D. Blum, Jr., and S. B. Schwartz. 152,853-62, Mar. 1.
Sock or similar article. R. D. Blum, Jr., and S. B. Schwartz. 153,103-7, Mar. 22.
Sock or similar article. R. D. Blum, Jr., and S. B. Schwartz. 155,382, Oct. 4.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 152,909-20, Mar. 1.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 153,178, Mar. 22.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 155,454-5, Oct. 4.
Socket for use with clip and light bulb. R. K. Grubb. 153,678, May 10.
Sofa. A. J. Buckner. 154,023, June 7.
Sofa. A. J. Buckner. 154,745, Aug. 9.
Sofa. J. Mont. 152,720, Feb. 15.
Sofa. W. C. Pahlmann. 155,624, Oct. 18.
Sofa. A. L. Rothstein. 155,286, Sept. 13.
Sofa, Upholstered. E. Eck. 154,842, Aug. 16.
Sorting machine. E. A. Ford. 156,224, Nov. 29.
Spatula, Ear. N. F. Brignola. 153,922, May 31.
Speaker, Portable. B. R. Hooks. 155,609, Oct. 18.
Spectacle front. R. F. E. Stegeman. 153,240, Mar. 29.
Spectacle front, Semirimless. J. J. Gullen. 154,538, July 19.
Spectacle, Semirimless. R. F. E. Stegeman. 156,289, Nov. 29.
Spectacle temple. R. F. E. Stegeman. 154,221, June 21.
Spectacles or similar article, Pair of. L. W. Myers and C. L. Waldo. 153,005, Mar. 8.
Spectacles, Pair of. C. C. Barbour. 154,361, July 5.
Spectacles, Pair of. J. A. Lauber. 153,955, May 31.
Spinner, Trolling. V. Simun. 152,295, Jan. 4.
Spinner, Vehicle wheel. F. T. Towne. 154,442, July 5.
Spinning aerial cargo toy. D. W. Main. 153,614, May 3.
Spinning toy. H. A. Tomarin. 156,582, Dec. 20.
Spoon. M. K. Randall. 156,370, Dec. 6.
Spoon, Cocktail. A. H. Fishman. 154,757, Aug. 9.
Spoon, Measuring. C. E. Bretney. 154,022, June 7.
Spoon or analogous article, Child's. A. L. Barney. 155,964, Nov. 15.
Spoon or article of similar nature. F. J. Skrastin, Jr. 152,438, Jan. 18.
Spoon or other article of flatware. E. J. Conroy. 154,024, June 7.
Spoon or other article of flatware. L. V. M. Helander. 153,684, May 10.
Spoon or other article of flatware. S. P. Kaufman. 153,880, May 24.
Spoon or other article of flatware. A. Litvin. 154,292, June 28.
Spoon or other article of flatware. W. S. Warren. 153,740-1, May 10.
Spoon or similar article. G. N. Allen and M. P. Fleming. 155,863, Nov. 8.
Spoon or similar article. G. N. Allen and W. H. Gerth. 154,091, June 14.
Spoon or similar article. N. Bowlen. 153,664, May 10.
Spoon or similar article. A. J. Eggleston. 152,950, Mar. 8.
Spoon or similar article. W. H. Gerth. 154,117, June 14.
Spoon or similar article. E. B. McAlpin. 153,964-5, May 31.
Spoon or similar article of flatware. M. Bernstein. 153,663, May 10.
Spoon or similar article of flatware. A. A. Eisenberg. 153,777, May 17.
Spoon or similar article of tableware. N. J. Mercer. 153,615-17, May 3.
Spoon or similar article of tableware. J. P. Morgan. 154,416, July 5.
Spoon or similar eating implement. C. Karstadt. 155,900, Nov. 8.
Spoon or the like. R. E. McKenna. 154,942, Aug. 23.
Spoon, Scoop. C. D. George. 153,783, May 17.
Spoon, Stirring, scraping, and beating. G. J. Erker. 153,674, May 10.
Spoon, Trolling. J. S. Gardemeyer. 153,676, May 10.
Spout, Pouring. R. O. Ferguson. 156,082, Nov. 22.
Spray gun, Water. W. M. Cissell. 152,325-6, Jan. 11.
Sprayer for laundries or the like. W. B. Roland. 153,034, Mar. 8.
Spraying device. D. D. Heimbürger. 155,508, Oct. 11.
Spraying device, Liquid. L. D. J. Skidmore. 156,676, Dec. 27.
Spreader, Manure. N. A. Nelson. 154,057, June 7.
Sprinkler, Lawn. C. Beaver. 153,334, Apr. 12.
Sprinkler, Lawn. O. A. Langos. 153,612, May 3.
Squeezer, Fruit. J. Kasprzak. 152,270, Jan. 4.
Stamping machine. O. Halvorsen. 155,154, Sept. 13.
Stand, Adjustable flatiron. H. Noordhof. 155,534, Oct. 11.
Stand and ash tray, Combined lamp. L. D. Cherneff. 154,906, Aug. 23.
Stand and cosmetics container, Combined. A. Perlman. 156,028, Nov. 15.
Stand and electric fan, Combined. J. W. Kissing. 155,714, Oct. 25.
Stand and trellis, Combined flower. T. S. Morris. 154,136, June 14.
Stand, Combined telephone, and lamp. J. Dern and J. H. Harris. 153,860, May 24.
Stand, Desk. M. Ress. 153,554, Apr. 26.
Stand, Display. C. M. Link. 152,549, Feb. 1.
Stand for a hand telephone, Desk. H. Dreyfuss and R. H. Hose. 153,927-8, May 31.
Stand for coffee maker. J. E. Comeau and H. C. Mitchell. 153,857, May 24.
Stand for kitchen utensils, Collapsible. J. Weber. 153,742, May 10.
Stand for pitcher and drinking glass set. S. Raysik. 152,826, Feb. 22.
Stand for screen or the like, Collapsible. L. T. Du Mais and J. T. Heck. 156,613, Dec. 27.
Stand, Gameboard. W. F. McNamara. 154,409, July 5.
Stand, Lamp. P. Schultz. 152,573, Feb. 1.
Stand, Lamp. E. M. St. John. 153,833, May 17.
Stand of drawers. P. G. Goldman. 154,264, June 28.
Stand or similar article. M. Martin. 152,998, Mar. 8.
Stand or similar article, Calendar. C. N. Montanye. 154,298, June 28.
Stand or similar article, Display. A. A. Struhl. 153,046, Mar. 8.
Stand or similar article, Pipe. D. J. Kirchik. 154,548, July 19.
Stand or similar article, Register. M. Lange. 156,542, Dec. 20.
Stand, Outdoor service restaurant. J. J. Elliott. 155,879, Nov. 8.
Stand, Reading. F. J. Luketa. 152,993, Mar. 8.
Stand, Silverware polishing. A. S. Seager. 154,334, June 28.
Stand, Smoking. C. P. Albert and E. H. Rocks. 156,475, Dec. 20.
Stand, Smoking. J. S. McInnis. 155,724, Oct. 25.
Standard, Chair end. W. H. Bond, Jr. 154,021, June 7.
Standard, Chair end. W. H. Bond, Jr. 154,459, July 12.
Standard or similar article, Lamp. F. Lascow. 154,128, June 14.
Standard, Street lighting. A. B. Winters. 152,445-6, Jan. 18.
Standard, Street lighting. A. B. Winters. 153,196, Mar. 22.
Standard, Street lighting. A. B. Winters. 153,247, Mar. 29.
Stapler. W. A. Shocket. 154,886, Aug. 16.
Station unit, Intercommunicating system. M. Wasserman. 152,578, Feb. 1.
Statuette. J. A. D'Arcy. 152,520, Feb. 1.
Statuette or similar article. F. M. Ward. 155,053-4, Aug. 30.
Step attachment for rung ladders. K. A. Agricola. 155,566, Oct. 18.
Step plate, Tricycle. C. V. Queen. 153,978, May 31.
Stick, Souvenir. W. H. Desforges, Sr., and W. H. Desforges, Jr. 155,130, Sept. 13.
Stocking, Lady's. W. Nebel. 152,643-4, Feb. 8.
Stocking or the like, Jeweled lady's. E. Troy. 155,463, Oct. 4.
Stool. S. G. Rita. 156,463, Dec. 13.
Stool and control for dental chairs, Combined operator's. C. W. Johnson and J. T. Clark. 154,203, June 21.
Stopper, Bottle. A. W. McDonald. 153,300, Apr. 5.
Stopper, Sink. R. J. Lumbert. 154,936, Aug. 23.
Storage unit, Gas. P. M. Ahlstrand and G. W. Patch, Jr. 155,960, Nov. 15.
Store front. B. L. Snyder. 152,835, Feb. 22.
Stove. H. Honer. 155,706, Oct. 25.
Stove and refrigerator unit, Combination. C. S. Balkman. 152,850, Mar. 1.
Stove, Combination oil cooking and implement heating. S. Springer. 155,635, Oct. 18.
Stove, Electric. P. Muller-Munk. 154,418, July 5.
Stove, Heating. H. G. Lankford, Jr. 154,289, June 28.

- Strap for holding riding spurs to a boot. R. W. Nelson. 155,102, Sept. 6.
- Strip. Tile floor and wall covering border. J. E. Ryan. 154,566, July 19.
- Stroller body. F. T. Regan. 152,652, Feb. 8.
- Stroller or similar article. S. J. Wallace. 152,576, Feb. 1.
- Suit. P. Adler. 155,678, Oct. 25.
- Suit. J. L. Asteroff. 155,865-6, Nov. 8.
- Suit. S. Cohen. 152,770, Feb. 22.
- Suit. S. Cohen. 153,117-20, Mar. 22.
- Suit. S. Cohen. 155,581-4, Oct. 18.
- Suit. J. Freedman. 153,132, Mar. 22.
- Suit. J. Freedman. 155,591-2, Oct. 18.
- Suit. J. Freedman. 155,594, Oct. 18.
- Suit. J. Frumkes. 135,139-43, Mar. 22.
- Suit. J. Frumkes. 153,135-7, Mar. 22.
- Suit. J. Frumkes. 155,693-9, Oct. 25.
- Suit. J. Frumkes. 155,993, Nov. 15.
- Suit. A. Glimcher. 155,599, Oct. 18.
- Suit. G. Reiter. 155,541-3, Oct. 11.
- Suit. G. Reiter. 155,629, Oct. 18.
- Suit, Lady's. J. Lipman. 152,274, Jan. 4.
- Suit, Uniform. J. A. Malcolm. 154,555, July 19.
- Sunglasses. A. Coen. 155,580, Oct. 18.
- Sunglasses, Pair of. W. L. Seidel. 153,561, Apr. 26.
- Sun shade, Automobile door. O. W. Thraillkill. 153,190, Mar. 22.
- Sunshade or similar article. G. P. Geran and J. F. Toomey. 153,212, Mar. 29.
- Support and floodlight lamp holder, Combined camera. A. Secofsky, M. A. Meisel, and A. Zalman. 155,546, Oct. 11.
- Support for a bar of soap or similar article. R. R. Ward. 154,727, Aug. 2.
- Support for clothing or the like. M. Stringfellow and N. R. Lynn. 155,367, Sept. 27.
- Support for hanging articles or similar article, Wall. E. Berman. 156,401, Dec. 13.
- Support for manicuring operations, Finger. R. J. McKee. 153,815, May 17.
- Support, Manicure hand. W. C. Smith. 155,239, Sept. 13.
- Support, Maternity garter. L. R. Hamilton. 154,539, July 19.
- Support, Radial saw. M. V. Tracy. 154,347, June 28.
- Support, Towel bar. M. P. Kiehl. 155,168, Sept. 13.
- Supporting stand and bar accessories, Combined. W. D. Adams. 155,861, Nov. 8.
- Surface level and advertising device, Combined. C. E. Crawford. 155,684, Oct. 25.
- Surface treating machine. F. D. Dolan. 152,948, Mar. 8.
- Sweater. H. Boeppel. 153,108, Mar. 22.
- Sweater. A. A. Kaplan. 156,420, Dec. 13.
- Sweater, Child's. A. Kaplan. 154,543, July 19.
- Sweater or similar article. B. Ehrenreich. 154,251-4, June 28.
- Sweater or similar article. B. Ehrenreich. 154,465-7, July 12.
- Sweater or similar article. S. Levine. 154,499, July 12.
- Sweeper, Carpet. T. M. Mock and H. H. Weber. 154,297, June 28.
- Swim suit, Safety. L. W. de Crenza. 155,877, Nov. 8.
- Switch or similar article. S. E. Jones. 154,276, June 28.
- Switch and fuse panel board, Combined. W. Robertson. 154,510, July 12.
- Switch, Box cover. V. R. Despard. 154,026, June 7.
- Switch box, Outdoor. C. Opalek. 154,506, July 12.
- Switch, Fluorescent starter. A. A. Richardson. 153,730, May 10.
- Switch, Pushbutton. L. V. A. Guild. 152,782, Feb. 22.
- Switch, Push-button. L. V. A. Guild. 154,676, Aug. 2.
- Switch, Thermostatic. N. J. Smith. 156,286, Nov. 29.
- Syringe. A. R. Gow and C. T. Manville. 155,889, Nov. 8.
- Syringe, Disposable. A. E. Smith. 154,720, Aug. 2.
- Table. F. C. Castelli. 155,125, Sept. 13.
- Table. I. A. Denslow. 156,410, Dec. 13.
- Table. L. Guild and C. G. Towne. 152,686-7, Feb. 15.
- Table. F. Kuehne, Jr. 156,437, Dec. 13.
- Table. L. Sejarto. 154,515, July 12.
- Table. B. G. Zolot. 153,743, May 10.
- Table and cabinet, Combination. L. Pizzarelli. 156,275, Nov. 29.
- Table and chairs, Combined. B. B. Murtaugh. 156,363, Dec. 6.
- Table and foldable benches, Combination. J. C. Higgins. 152,784, Feb. 22.
- Tablecloth. G. F. and M. L. K. Leister. 153,531, Apr. 26.
- Tablecloth. J. Mack. 155,302, Sept. 20.
- Tablecloth. L. J. Pyle and M. H. Schell. 156,369, Dec. 6.
- Tablecloth, Lace. F. P. Castorani. 154,100, June 14.
- Tablecloth, Lace. H. Hooven. 154,122-5, June 14.
- Tablecloth, Lace. H. Hooven. 154,382-6, July 5.
- Tablecloth, Lace. H. Hooven. 154,607, July 26.
- Tablecloth, Lace. F. P. Otto. 154,138, June 14.
- Tablecloth, Lace. W. Wolf. 154,193, June 14.
- Tablecloth or similar article. M. C. McGee. 153,158, Mar. 22.
- Tablecloth or similar article. G. Sklar. 153,183, Mar. 22.
- Tablecloth, Plastic film. R. P. Magid. 155,821, Nov. 1.
- Table, Coffee. C. Eames. 152,949, Mar. 8.
- Table, Drawing. G. E. Taubert. 154,440, July 5.
- Table, Glass top end. R. A. Dillon. 152,330, Jan. 11.
- Table, Ironing. D. Daniel. 156,608, Dec. 27.
- Table or similar article. D. A. Wallace. 153,738-9, May 10.
- Table or similar article, Drafting. L. Gearhart. 155,799, Nov. 1.
- Table or the like, Office. T. M. Dunham. 155,976, Nov. 15.
- Table, radio and phonograph cabinet, Combination cocktail. T. C. Reed. 154,143, June 14.
- Table, Serving. M. Raber. 153,553, Apr. 26.
- Table, sink, stove, and cabinet unit for vehicle trailer, Combined. D. F. Ham. 154,038, June 7.
- Table top, Game. M. M. Warner. 154,351, June 28.
- Taillight and reflector for a bicycle, Combined. W. C. King. 153,365, Apr. 12.
- Taillight and tool kit, Combined. J. Bromberg. 156,317, Dec. 6.
- Tank and stand, Combined fluid pressure. C. F. Walsh. 154,966, Aug. 23.
- Target, Ring-toss game. J. R. O'Neil. 152,821, Feb. 22.
- Taxicab. L. Brodton. 153,851, May 24.
- Taxicab. L. Brodton. 154,742-3, Aug. 9.
- Teakettle. A. D. Mortrude. 153,816, May 17.
- Tee Marker, Golf. J. G. Burch. 155,576, Oct. 18.
- Teeter, Child's. J. H. Reed. 154,323, June 28.
- Teether and rattle or similar article, Combined. M. Davis. 155,689, Oct. 25.
- Teething device, Infant's. M. E. Storey. 153,325, Apr. 5.
- Telephone accessory, Cradle. M. R. Forkapa. 154,762, Aug. 9.
- Telephone desk stand and handset, Combined. E. F. McKenna. 152,278, Jan. 4.
- Telephone dialing implement. H. F. Cutler. 152,771, Feb. 22.
- Telephone, Hand microphone. E. Shipton. 152,922, Mar. 1.
- Telephone handset and mounting device, Combined. W. J. Muldoon. 153,353, Sept. 27.
- Telephone, Marine radio. G. W. Florian. 153,595, May 3.
- Telescope. J. R. Miles. 153,302, Apr. 5.
- Telescope, Binocular. B. D. Ritholz. 152,828, Feb. 22.
- Television antenna. R. Rideman. 153,825, May 17.
- Template for drawing plumbing fixtures. J. J. Curtis. 155,687, Oct. 25.
- Temple for spectacles or similar article, Nonmetallic. N. S. Cabana. 155,479, Oct. 11.
- Temple, Spectacle. R. F. E. Stegeman. 152,502, Jan. 25.
- Tenderizer, Meat. E. C. Karp and S. Berglund. 155,011, Aug. 30.
- Tenderizing machine, Meat. J. M. Little. 152,893, Mar. 1.
- Tester, Paper. R. E. Getchell. 155,800, Nov. 1.
- Textile fabric. J. H. Apt. 153,745, May 17.
- Textile fabric. A. Grivin. 154,918-19, Aug. 23.
- Textile fabric. L. MacGregor. 154,208, June 21.
- Textile fabric. W. Mitschke. 152,637-40, Feb. 8.
- Textile fabric. W. Mitschke. 153,717-21, May 10.
- Textile fabric. M. Ortnier. 154,950, Aug. 23.
- Textile fabric. E. Raphaels. 152,288, Jan. 4.
- Textile fabric. E. W. Simmons. 153,181, Mar. 22.
- Textile fabric or similar article. M. R. Hamre. 152,532-5, Feb. 1.
- Textile fabric or similar article. E. I. Hanson. 152,613-14, Feb. 8.
- Textile fabric or similar article. R. E. Minger. 153,072, Mar. 15.
- Textile fabric or similar article. J. Tricarico. 153,998, May 31.
- Thermometer. C. E. Hodgman. 153,433, Apr. 19.
- Thermometer. R. C. Wappner. 155,853, Nov. 1.
- Thermometer assembly, Wet and dry bulb. A. H. Lamb. 155,170, Sept. 13.
- Thermometer, Indoor-outdoor. H. B. Brown. 153,260, Apr. 5.
- Thimble, Sewing. S. Uribe. 155,658, Oct. 18.
- Threader or the like, Needle. A. E. Edwards. 154,754, Aug. 9.
- Tie clasp. A. Gesten. 152,779, Feb. 22.
- Tie clasp or similar article. C. Birnbaum. 152,766, Feb. 22.
- Tie clasp or the like. M. J. Freiler, Jr. 155,983, Nov. 15.
- Tie rack and mirror, Combination. W. W. Lindsey. 152,892, Mar. 1.
- Tile, Acoustical. L. Romanelli. 156,170-4, Nov. 22.
- Tiller, Powered. G. E. Smithburn. 156,466, Dec. 13.
- Tilting support for photographic cameras or the like. F. R. Heward. 152,540, Feb. 1.
- Tire. R. T. Bete. 155,065, Sept. 6.
- Tire. W. F. Billingsley. 155,261, Sept. 20.
- Tire. B. F. Grimes. 155,006, Aug. 30.
- Tire. P. E. Hawkinson. 153,431, Apr. 19.
- Tire. W. F. Hoelzer. 153,434, Apr. 19.
- Tire. A. F. Kinzey. 154,546-7, July 19.
- Tire. C. F. Ofensend. 154,422-3, July 5.
- Tire. C. F. Ofensend. 155,311, Sept. 20.
- Tire. C. F. Ofensend. 155,922, Nov. 8.
- Tire bulger. B. Goodman. 155,887, Nov. 8.
- Toaster. C. I. Epstein. 154,535, July 19.
- Toaster. H. L. Olson and R. A. Miller. 156,152-3, Nov. 22.
- Toaster. J. O. Reinecke. 153,901, May 24.
- Toaster, Automatic. I. Edelman. 156,080, Nov. 22.
- Toaster, Electric. M. Ferrar. 154,916, Aug. 23.
- Toaster or the like, Electric. A. J. Huck. 155,009, Aug. 30.

- Tobacco bar. J. A. La Fond. 156,349, Dec. 6.
 Toe protector and metatarsal support, Combined. L. Karlen. 154,277, June 28.
 Tombstone. J. A. Gardner. 155,496, Oct. 11.
 Tombstone and grave marker, Combination. W. A. Lewis. 156,444, Dec. 13.
 Tone arm or the like, Phonograph. J. B. Federico. 152,332, Jan. 11.
 Tone arm or the like, Phonograph. J. B. Federico. 152,401-16, Jan. 18.
 Tone arm, Phonograph. C. W. D. Schaefer. 154,069, June 7.
 Tongs. E. K. Sechrist and D. T. Offord. 154,335, June 28.
 Tongs, Food. A. E. Taylor and J. D. Coleman. 153,327, Apr. 5.
 Tongs, Laundry. P. H. Brown, Sr. 153,923, May 31.
 Tool, Brake adjusting. W. F. Schnitger and E. C. Southall. 154,331, June 28.
 Tool chest or the like. J. B. Federico. 152,246, Jan. 4.
 Tool, Combination. J. J. Comerford. 155,390, Oct. 4.
 Tool, Combination pocket. H. J. Smoleroff and J. J. Kovacs. 153,988, May 31.
 Tool, Cuticle. D. S. Levnaich. 152,708, Feb. 15.
 Tool, Electric soldering. W. A. Kuehl. 155,169, Sept. 13.
 Tool, Electric soldering. W. A. Kuehl. 155,294-6, Sept. 20.
 Tool for watchmakers, Universal. C. Croutch. 154,370, July 5.
 Tool, Garden. A. R. Hines. 154,680, Aug. 2.
 Tool, Garden. G. Pavlinetz. 154,303, June 28.
 Tool, Hacking. A. H. Hawes. 155,287, Sept. 20.
 Tool, Metalworking. F. A. Sennewald. 153,042, Mar. 8.
 Tool, Multiple. E. B. Overshiner. 152,822, Feb. 22.
 Tool, Sheet clamp applicator. G. Periman. 153,170, Mar. 22.
 Tool, Slide fastener repair. K. Stern. 153,736, May 10.
 Tool, Spark plug. R. W. Paton. 154,798, Aug. 9.
 Tool, Tire expanding. G. E. Gier. 152,781, Feb. 22.
 Tool unit, Electric. W. Moretti. 155,531, Oct. 11.
 Tool, Wheel weight. H. C. Schildmeier. 155,929, Nov. 8.
 Tool, Zipper repair. K. Stern. 152,927, Mar. 1.
 Toothbrush. H. L. Fischer. 153,130, Mar. 22.
 Toothbrush and casing therefor, Combination. Mildred and Madeleine Lodewick. 156,134, Nov. 22.
 Toothbrush and glass holder. G. E. Elliott. 152,461, Jan. 25.
 Toothbrush and toothpaste holder or similar article, Combined. H. R. Sigler and C. A. Laystrom. 154,218, June 21.
 Toothbrush, container and holder, Combined. W. B. England. 154,255, June 28.
 Tooth brush, tumbler, and tooth paste tube holder, Combination. G. Levin. 152,991, Mar. 8.
 Top. J. W. Krapp. 155,015, Aug. 30.
 Top for gas cookstoves, Cooking. H. M. Reeves. 153,173, Mar. 22.
 Top for vehicle body. N. D. Cosner. 153,858, May 24.
 Top, Serving bar. A. J. Ragunt. 155,731, Oct. 25.
 Top, Whipping. P. La Falce. 155,298, Sept. 20.
 Toy. N. K. Masten. 152,632, Feb. 8.
 Toy, Abacus-like. W. P. Colvin. 155,127, Sept. 13.
 Toy, Aero-spin. J. E. Perreault. 155,626, Oct. 18.
 Toy airplane. E. H. Green. 152,610, Feb. 8.
 Toy animal figure. P. Ganine. 155,701-2, Oct. 25.
 Toy animal figure. J. L. Hvale. 152,544, Feb. 1.
 Toy animal figure. M. C. Levich. 152,628, Feb. 8.
 Toy animal figure. M. C. Levich. 153,709, May 10.
 Toy animal figure. J. E. McConnell and F. Ferrin. 156,550, Dec. 20.
 Toy animal figure. C. R. White. 155,855, Nov. 1.
 Toy animal figure. B. Wolf. 155,251-5, Sept. 13.
 Toy animal figure. K. Wood. 153,486, Apr. 19.
 Toy animal figure. C. Woods. 155,115, Sept. 6.
 Toy animal figure or other similar article. M. Sohn. 153,990, May 31.
 Toy, Aquatic. E. P. Van Sciver. 155,947, Nov. 8.
 Toy article-dispensing device. J. Markoe. 154,293, June 28.
 Toy automobile. J. O. Heinze. 155,606, Oct. 18.
 Toy automobile carrying trailer truck. B. Josefsberg. 156,244, Nov. 29.
 Toy automobile moving van. B. Josefsberg. 156,245, Nov. 29.
 Toy baby-weighing scale. A. E. Rogovin. 155,106, Sept. 6.
 Toy bank. C. H. Foster. 155,339, Sept. 27.
 Toy bank. D. D. Rupe. 152,567, Feb. 1.
 Toy bank. H. A. Stewart. 153,189, Mar. 22.
 Toy bank and music box, Combined. T. P. Heider. 156,624, Dec. 27.
 Toy bird. D. J. Ranahan. 153,979, May 31.
 Toy building block. S. Bindman. 155,329, Sept. 27.
 Toy carousel. E. W. Baggett. 156,309, Dec. 6.
 Toy chain. E. G. D. Carlson. 152,864, Mar. 1.
 Toy, Crib. E. Szantay. 155,940, Nov. 8.
 Toy, Crib. E. Szantay. 156,054, Nov. 15.
 Toy dog. A. Fine. 155,977, Nov. 15.
 Toy dog. B. L. Levinson. 156,443, Dec. 13.
 Toy duck. P. Ganine. 153,514, Apr. 26.
 Toy duck or similar article. L. Leaf. 153,708, May 10.
 Toy, Educational. S. Bersudsky. 154,739, Aug. 9.
 Toy figure. B. M. Brown. 155,477, Oct. 11.
 Toy figure. F. W. Pedler. 153,548, Apr. 26.
 Toy figure, Bubble producing. M. Feintuch. 154,593, July 26.
 Toy fish or similar article. L. Leaf. 153,707, May 10.
 Toy fowl. A. Goldfarb. 155,086, Sept. 6.
 Toy gun. P. D. Chapin. 153,500, Apr. 26.
 Toy gun. O. A. Langos. 156,438, Dec. 13.
 Toy gun. T. M. Shelton. 154,516, July 12.
 Toy horse. P. Ganine. 153,512, Apr. 26.
 Toy lamb. P. Ganine. 153,513, Apr. 26.
 Toy locomotive. M. Kling. 156,348, Dec. 6.
 Toy music box. C. A. Fausel. 155,277, Sept. 20.
 Toy musical instrument. J. Thompson. 154,725, Aug. 2.
 Toy or similar article, Cradle. S. Tharler. 156,293, Nov. 29.
 Toy pig. R. Y. Allen and M. Shaw. 154,830, Aug. 16.
 Toy pilot model. G. S. Foster. 156,088, Nov. 22.
 Toy pistol. M. Fleishman. 153,929, May 31.
 Toy pistol. M. Fleishman. 156,497, Dec. 20.
 Toy pistol. P. Lim. 152,709, Feb. 15.
 Toy pistol. P. Lim. 153,811, May 17.
 Toy, Pull. W. P. Colvin. 155,483, Oct. 11.
 Toy, Pull. E. Szantay. 155,939, Nov. 8.
 Toy, Rocking. C. C. Flatt. 152,524, Feb. 1.
 Toy, Rocking or floating. H. A. Tomarin. 154,441, July 5.
 Toy, Rolling. J. Davis. 155,688, Oct. 25.
 Toy roly-poly or similar article. C. R. White. 154,088, June 7.
 Toy, Rubber rocking. A. O. Walker. 156,186-7, Nov. 22.
 Toy seeder. E. W. Baggett. 155,867, Nov. 8.
 Toy soda fountain. S. P. Midouhas. 152,815, Feb. 22.
 Toy top. H. A. Spyros. 155,045, Aug. 30.
 Toy train controller. J. L. Bonanno. 156,481, Dec. 20.
 Toy, Tricycle action. W. J. Rahn. 156,658, Dec. 27.
 Toy truck. E. L. Wood. 153,573, Apr. 26.
 Toy, Trundle. L. B. Hunt. 153,221, Mar. 29.
 Toy turtle or similar article. L. Leaf. 154,129, June 14.
 Toy typewriter. H. C. Hertz. 154,849, Aug. 16.
 Toy vehicle. T. K. Hillard. 152,785, Feb. 22.
 Toy, Walking. S. Twarkowski. 154,820, Aug. 9.
 Toy water gun. W. E. Abraham. 152,767, Feb. 22.
 Toy water well. C. H. Sissom. 154,435, July 5.
 Tractor. J. A. Love. 155,818, Nov. 1.
 Tractor, Power driven. E. H. Remde. 153,638, May 3.
 Trailer. F. D. Hanson, D. D. Arehart, and R. T. Dittmer. 152,334-5, Jan. 11.
 Trailer. P. W. Lane. 153,953, May 31.
 Trailer. D. L. Painter. 155,625, Oct. 18.
 Trailer, Automobile carrying. L. M. Francis. 153,931, May 31.
 Trailer body. J. H. Shipe. 154,814, Aug. 9.
 Trailer body or similar article. J. R. Morgan. 153,375, Apr. 12.
 Trailer for grading articles. E. A. Ernst. 154,032, June 7.
 Trailer, Vehicle. E. Chapin. 152,322, Jan. 11.
 Trailer with removable roof, Collapsible boat house. H. S. Keating. 153,902, Nov. 8.
 Transfer sheet of weather map symbols. E. L. A. Wagner. 153,568, Apr. 26.
 Transformer, Electrical heating and welding. H. B. Smith and G. A. Dolan. 152,660, Feb. 8.
 Transformer for toy railroads. J. L. Bonanno. 156,482, Dec. 20.
 Trap, Animal. G. Sakler. 153,176, Mar. 22.
 Trap for throwing clay birds, Hand. C. R. Mellen. 154,865, Aug. 16.
 Trap, Insect electrocuting. R. H. Turk. 154,518, July 12.
 Trap or the like, Animal. C. L. Cook. 155,486-7, Oct. 11.
 Trap or the like, Animal. C. E. Jones. 153,512-13, Oct. 11.
 Tray. N. M. Dean. 152,521, Feb. 1.
 Tray. E. L. Permenter. 153,445, Apr. 19.
 Tray. J. B. Stier. 156,290, Nov. 29.
 Tray. M. M. Wiley and G. M. Norden. 155,949, Nov. 8.
 Tray. H. S. Zaikaner. 155,327, Sept. 20.
 Tray and condiment dispensing unit, Combined. G. T. Schreiber. 156,283, Nov. 29.
 Tray and stand nestable unit, Service. W. E. Wais. 153,909, May 24.
 Tray, Armrest. A. L. Skells. 155,238, Sept. 13.
 Tray attachment, Serving. J. W. and W. G. Collins. 156,486, Dec. 20.
 Tray, Beautician's. W. Nussbaum. 154,625, July 26.
 Tray, Chair-arm. M. Higgs and J. W. Crall. 153,940, May 31.
 Tray, Double-decker folding. M. Gargaro and W. E. Jewell, Jr. 153,144, Mar. 22.
 Tray, Enema. V. C. Thompson. 154,346, June 28.
 Tray for bathtub use, Vanity. C. M. Craighead. 153,668, May 10.
 Tray for child's chair. J. G. Heim. 154,272, June 28.
 Tray for eggs or the like, Refrigerator. H. C. Gulley. 156,620, Dec. 27.
 Tray for glasses. A. W. Planeta. 153,455, Apr. 19.
 Tray, Hairdresser's tint. L. B. and P. Melendez. 155,176, Sept. 13.
 Tray, Hostess. M. L. Gay and A. M. Russell. 155,084, Sept. 6.
 Tray, Manicure. J. W. Wheeler. 156,303, Nov. 29.
 Tray or article of analogous nature, Baby's food. A. Sloan. 152,659, Feb. 8.
 Tray or similar article. S. Forman. 152,874, Mar. 1.
 Tray or similar article. J. Fresco. 154,763, Aug. 9.
 Tray or similar article, Cake soap drainer. W. H. Barg. 154,583, July 26.

- Tray or similar article, Letter. B. M. Morris. 154,300, June 28.
- Tray, Tlered. A. M. Paolino. 152,558, Feb. 1.
- Tricycle. C. E. Quisenberry. 152,904, Mar. 1.
- Trim for a window or the like, Overhead. L. Drnevich. 153,588, May 3.
- Trimmer, Hedge. I. Jepson. 153,806, May 17.
- Trimming or similar article, Embroidered. H. Tobler. 156,581, Dec. 20.
- Trimming or the like, Embroidered. M. Golden. 153,213-14, Mar. 29.
- Trimming, Ruffled embroidered. B. Goldman. 154,601-2, July 28.
- Tripod, Collapsible table. J. S. Denison. 154,753, Aug. 9.
- Tripod head for a camera or similar article. S. J. Flesch. 152,247, Jan. 4.
- Tripod head for a camera or similar article. S. Flesch. 155,279-80, Sept. 20.
- Trolling sinker. K. M. Ingalls. 155,427, Oct. 4.
- Trough, Animal feeding. L. C. French. 156,331, Dec. 6.
- Trousers. S. Pleet. 155,837, Nov. 1.
- Trowel, Transplanting. A. J. Hippman. 153,355, Apr. 12.
- Truck attachment or similar article, Hand. B. Hooz and S. T. Mello. 154,776, Aug. 9.
- Truck, Groceries. T. M. Sasser. 154,640, July 26.
- Truck, Mine car. P. Laukus, Sr. 152,988, Mar. 8.
- Truck or similar article. J. J. Powers. 153,085, Mar. 15.
- Truck, Panel type delivery. C. B. Stevens. 153,466, Apr. 19.
- Truck, Tank. T. G. Branham. 153,848, May 24.
- Tub filler with transfer unit for diverting water to shower. A. L. Thomssen. 152,441, Jan. 18.
- Tub or similar article. W. E. Ackermann. 154,226, June 28.
- Tube, Capped collapsible. A. H. Jung. 155,710, Oct. 25.
- Tumbler. K. H. Ferree. 156,083, Nov. 22.
- Tumbler. G. Sakier. 155,738, Oct. 25.
- Tumbler. M. G. Yutzey. 155,761, Oct. 25.
- Tumbler and toothbrush holder, Combination. P. F. Simpson. 154,568-9, July 19.
- Tumbler or article of similar nature, Glass. T. C. Heisey. 153,432, Apr. 19.
- Turner, Cake. P. Grancell. 156,503, Dec. 20.
- Typewriter. T. G. Clement. 155,781, Nov. 1.
- Typewriter. S. A. Thompson. 154,345, June 28.
- Umbrella. A. Chudnoff. 153,264, Apr. 5.
- Umbrella. I. Lusterman. 153,812-13, May 17.
- Umbrella. P. S. Sabotka. 156,673, Dec. 27.
- Umbrella, Beach and lawn. S. B. Korman. 156,631, Dec. 27.
- Umbrella, Drapeable. E. Schreck. 152,436, Jan. 18.
- Undershoe. H. Shapiro. 152,750, Feb. 15.
- Urn, Coffee. T. C. Donaldson. 152,773, Feb. 22.
- Urn unit for cremated remains. W. H. Warren. 152,759, Feb. 15.
- Utensil, Cooking. T. Elleman and W. C. Cather. 154,912, Aug. 23.
- Utensil, Cooking. E. G. Grundstrom. 152,961, Mar. 8.
- Utensil, Cooking. W. B. Watkins. 154,967, Aug. 23.
- Utensil, Covered cooking. F. Wagner. 156,297, Nov. 29.
- Vacuum cleaner. T. Currie. 156,217, Nov. 29.
- Vacuum cleaner. W. V. Paine. 156,267, Nov. 29.
- Vacuum cleaner or similar article. G. M. Kelly. 155,903, Nov. 8.
- Vacuum cleaner or the like. C. O. Ernof. 153,271, Apr. 5.
- Valise or similar article. R. H. Arbib. 153,659-61, May 10.
- Valise or similar article. R. N. Arbib. 154,092, June 14.
- Valise or similar article. R. H. Arbib. 154,229, June 28.
- Valve, Beverage percolator filter. E. L. Lilja. 154,935, Aug. 23.
- Valve for coffee urns or the like, Control. W. B. and W. B. Law. 156,635, Dec. 27.
- Valve handwheel or similar article. G. Hinderer. 153,285, Apr. 5.
- Valve, Liquid dispensing. B. B. Gilmore. 154,261, June 28.
- Valve, Metering. A. K. Peterson. 154,427, July 5.
- Vanity case or the like, Illuminable. F. Kueppersbusch. 152,272, Jan. 4.
- Vanity or the like. F. McIntosh. 153,372, Apr. 12.
- Vaporizer. D. Chapman. 152,866, Mar. 1.
- Vaporizer, Electric. N. B. Milton. 153,226, Mar. 29.
- Vase. T. Shinn. 155,933, Nov. 8.
- Vase or similar article, Ceramic. A. L. Suman. 153,091, Mar. 15.
- Vase, Wall. R. Weber. 154,891, Aug. 16.
- Vehicle. D. Boza. 153,255, Apr. 5.
- Vehicle. R. F. Dibble. 155,878, Nov. 8.
- Vehicle. O. F. F. Klehn. 154,782, Aug. 9.
- Vehicle. J. C. Trotter. 156,387, Dec. 6.
- Vehicle body, Combination boat and land. M. J. Harkless. 154,847, Aug. 16.
- Vehicle, Child's. S. N. Mann. 155,915, Nov. 8.
- Vehicle, Hand propelled. O. O. Bruce. 153,261, Apr. 5.
- Vehicle, Juvenile. W. I. Smith. 154,339-43, June 23.
- Vehicle, Juvenile. W. I. Smith. 154,815, Aug. 9.
- Vehicle, Railway lounge. R. W. Haman and S. W. Kay. 154,773, Aug. 9.
- Vehicle top. V. G. Klein and M. T. Blue. 155,614, Oct. 18.
- Velocipede. J. Januszewski. 152,973, Mar. 8.
- Vending machine. W. A. Jenkins. 152,882, Mar. 1.
- Vending machine. F. L. Meagher. 155,352, Sept. 27.
- Vending machine. C. L. Metzler. 156,647, Dec. 27.
- Vending machine. C. L. Otto. 153,541, Apr. 26.
- Vending machine. J. H. Schmidt. 156,566, Dec. 20.
- Vending machine, Beverage. G. H. Hansen, Jr. 155,802, Nov. 1.
- Vending machine, Beverage. R. E. Parks. 155,729, Oct. 25.
- Vending machine, Confection. G. Babcock. 154,358, July 5.
- Vending machine for dispensing candy bars, chewing gum, nuts, and the like. C. L. Otto. 156,154, Nov. 22.
- Vending machine, Peanut. G. Courshon. 156,409, Dec. 13.
- Vending machine, Popcorn. F. P. Emerson. 154,198, June 21.
- Vending machine, Portable. W. A. Jenkins. 152,883, Mar. 1.
- Vending machine, Sandwich. C. L. Otto. 153,540, Apr. 26.
- Vending machine, Selective. C. L. Otto. 156,155, Nov. 22.
- Venetian blind, Rustic. N. Carroll. 154,987, Aug. 30.
- Vent and wall cover plate for oil tank inlet, Combined. C. M. Preisinger and J. E. Svabek, Jr. 154,876, Aug. 16.
- Vent or similar article, Roof. S. R. Rubin. 154,881, Aug. 16.
- Ventilating and illuminating apparatus, Combined ceiling-mounted. L. R. Phillips. 153,313, Apr. 5.
- Ventilator. J. P. Johnson. 155,345, Sept. 27.
- Ventilator. J. P. Johnson. 155,898, Nov. 8.
- Ventilator, Kitchen stove. W. A. Pledger. 156,558, Dec. 20.
- Ventilator, Window. A. F. Fukal. 154,537, July 19.
- Vessel, Cooking. K. E. Porter. 152,825, Feb. 22.
- Vibrating apparatus for treating human bodies. P. Bertholin. 155,572, Oct. 18.
- Vibrator unit. J. Werner and A. H. Zeigler. 156,301, Nov. 29.
- Vibrator unit, Foot and leg. J. Werner and A. H. Zeigler. 155,754, Oct. 25.
- Viewer, Film. F. T. Coffey, Sr. 154,840, Aug. 16.
- Viewer, Slide. P. H. Halbritter. 153,602, May 3.
- Viewer, Stereoscopic. M. Kauten. 153,296, Apr. 5.
- Viewer, Transparency. R. P. Fuller. 154,764, Aug. 9.
- Vine holder and wall bracket therefor, Combined. H. J. Pruchnow. 153,822, May 17.
- Violin. K. Evers. 155,881, Nov. 8.
- Violin or similar article. C. A. Hountasis. 155,610, Oct. 18.
- Vise or similar article, Bench. H. W. Vogl. 154,001, May 31.
- Visor, Automobile. W. A. Maher. 154,789, Aug. 9.
- Visor, Automobile. W. A. Maher. 154,861, Aug. 16.
- Visor, Automobile. W. A. Maher. 155,434, Oct. 4.
- Visor, Automobile headlight. W. H. Johnson. 155,290, Sept. 20.
- Visor for automobile windshields. R. E. Blingman. 156,479, Dec. 20.
- Visor, Sun. J. Oswald. 155,030, Aug. 30.
- Visor, Vehicle sun. R. H. Arbib. 154,735, Aug. 9.
- Visor, Vehicle windshield. H. C. Riemann. 152,738, Feb. 15.
- Waffle iron. A. Feder. 155,137, Sept. 13.
- Waffle iron and tray, Combined. A. Feder. 154,668, Aug. 2.
- Waffle or the like. N. Milano. 153,537, Apr. 26.
- Wagon and protecting cover, Combined child's. L. A. Hedlund. 155,894, Nov. 8.
- Wagon, Mop. G. F. Minnis. 156,145-6, Nov. 22.
- Wagon, Utility. A. H. Wende. 153,654, May 3.
- Wagon, Wine. M. N. Fay. 154,913, Aug. 23.
- Wagon with dump body, Child's. A. J. Chroninger. 153,765, May 17.
- Walker and stroller, Combination baby. F. S. Nanna. 155,025, Aug. 30.
- Wallet and cigarette case, Combination. H. Chase. 155,074, Sept. 6.
- Wallet and memorandum pad, Combined. D. J. Broughton. 155,384, Oct. 4.
- Wallet or similar article. F. G. and S. H. Dobbs. 152,946-7, Mar. 8.
- Wallet or similar article. S. J. Smallman. 155,458, Oct. 4.
- Wallpaper or the like. W. Burton and D. W. Liebes. 153,666, May 10.
- Wardrobe or similar article, Portable. A. P. Kitson. 155,515, Oct. 11.
- Warmer, Food. T. Ulmer. 156,184, Nov. 22.
- Warmer, Nursery bottle. R. H. Lesner and W. J. Vignola. 154,553, July 19.
- Warmer or similar article, Coffee. P. Muller-Munk. 155,354, Sept. 27.
- Washboard, Hand. S. Rabinowitz. 153,319, Apr. 5.
- Washing machine. M. H. Boldt. 153,920, May 31.
- Washing machine. L. H. Haase. 153,680, May 10.
- Washing machine. J. M. Little. 152,550, Feb. 1.
- Washing machine. J. M. Little. 153,712, May 10.
- Washing machine. H. H. Paltridge. 156,156, Nov. 22.
- Washing machine. T. R. Smith. 156,287, Nov. 29.
- Washing machine. C. G. Taylor. 152,930, Mar. 1.
- Washing machine and wringer, Combined. J. Morgan. 153,893, May 24.

- Washing machine and wringer, Combined. C. G. Taylor. 152,931, Mar. 1.
 Washing machine unit, Portable. A. T. Britton. 156,196, Nov. 29.
 Watch. F. C. Bruns. 156,071, Nov. 22.
 Watch. L. M. Newhouse. 153,006-8, Mar. 8.
 Watch. L. M. Newhouse. 154,873, Aug. 16.
 Watch and bracelet, Combined. A. A. Harman. 154,121, June 14.
 Watch and cosmetic case, Combined. H. L. Lambert. 154,687, Aug. 2.
 Watch and holder strap therefor, Combined wrist. O. Pennino. 152,352-7, Jan. 11.
 Watch and holder strap therefor, Combined wrist. O. Pennino. 153,015, Mar. 8.
 Watch box or similar article. R. L. Chipman, Jr. 152,324, Jan. 11.
 Watch or similar article, Ball pendant. E. G. Schwarz. 152,500, Jan. 25.
 Watchcase. J. Gutschneider. 155,506, Oct. 11.
 Watchcase. H. Reinstein. 155,628, Oct. 18.
 Watchcase and watch bracelet or similar article, Combined. M. Austin. 155,768, Nov. 1.
 Watchcase top. A. Chifari. 155,578-9, Oct. 18.
 Water treatment apparatus, Base exchange. G. A. Paterson. 152,286, Jan. 4.
 Waxer, Floor. E. C. Hartley. 152,616, Feb. 8.
 Waxing, spreading, and polishing device, Combination. J. Macree and W. P. Gerhardt. 155,721, Oct. 25.
 Weather vane. O. D. Harbert. 152,615, Feb. 8.
 Weight-lifting amusement device or the like, Carnival. P. Campbell and E. G. Fox, Sr. 152,590, Feb. 8.
 Weight, Wheel balance. J. R. Dailey. 152,945, Mar. 8.
 Wheel. J. G. Swain. 156,291, Nov. 29.
 Wheel, Airplane control. A. T. Holt. 153,356, Apr. 12.
 Wheel body. D. P. Forbes. 154,761, Aug. 9.
 Wheel for a vehicle, Steering. E. Macauley. 154,860, Aug. 16.
 Whipper. H. L. Stiles. 156,679, Dec. 27.
 Whisk broom, Collapsing. W. R. Amstutz. 154,454, July 12.
 Wicket, Door. A. Bloom. 152,852, Mar. 1.
 Wicket, Door. A. Bloom. 152,936, Mar. 8.
 Wing nut. O. Gries. 155,997, Nov. 15.
 Wiper arm, Windshield. F. A. Krohm. 152,340, Jan. 11.
 Wire stripper. L. H. Score. 152,374, Jan. 11.
 Workbench and cabinet, Mechanic's. S. N. Price. 154,803, Aug. 9.
 Workbench and double end storage cabinet, Mechanic's. S. N. Price. 154,805, Aug. 9.
 Workbench and single end storage cabinet, Mechanic's. S. N. Price. 154,804, Aug. 9.
 Wrapper for a candy box, Paper. S. H. Born. 154,586, July 26.
 Wrapper, Handkerchief package. H. Steinberg. 156,574, Dec. 20.
 Wreath. H. C. Muhlenbrook and J. Feldman. 155,832, Nov. 1.
 Wrench. J. H. Le Belle. 156,354, Dec. 6.
 Wrench unit, Impact. A. Bushnell. 156,319-20, Dec. 6.
 Wringer. G. F. Minnis. 153,004, Mar. 8.
 Wringer, Clothes. V. E. Dunn. 153,210, Mar. 29.
 Wrist watch and strap therefor, Combined. M. Ostier. 152,491, Jan. 25.
 Writing desk and chair, Combined. S. Nemes. 156,454, Dec. 13.
 Writing implement. W. Green and P. Schladermundt. 155,285, Sept. 20.
 Writing instrument or the like. S. J. Meno. 153,891, May 24.
 Yo-yo toy. R. V. Hirsch. 152,970, Mar. 8.

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LIST OF PLANT INVENTIONS

- Aechmea plant. M. B. Foster. 898, Nov. 15.
 Anemone tinctoria plant. E. S. Russell. 859, Aug. 2.
 Apple tree. C. C. Ailer. 819, Jan. 11.
 Apple tree. S. L. Davenport. 906, Dec. 20.
 Barberry hedge plant. A. Toth. 867, Aug. 30.
 Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 852, July 12.
 Camellia japonica plant. E. B. Hagler. 866, Aug. 23.
 Camellia plant. J. S. Armstrong. 891, Nov. 8.
 Camellia plant. J. S. Armstrong. 907, Dec. 20.
 Camellia plant. F. A. Godchaux. 873, Sept. 20.
 Carnation plant. M. C. Allwood. 876, Sept. 27.
 Carnation plant. R. Engle. 909, Dec. 27.
 Carnation plant. E. Prushek. 882, Oct. 18.
 Chrysanthemum plant. E. Prushek. 871, Sept. 6.
 Chrysanthemum plant. E. Prushek, Niles, Mich., assignor to The R. M. Kellogg Company, Three Rivers, Md. 865, Aug. 16.
 Chrysanthemum plant. G. C. Sparre. 825-7, Feb. 22.
 Climbing multiflora polyantha rose plant. R. S. Moore. 893, Nov. 8.
 Climbing rose plant. C. W. Chaffin. 892, Nov. 8.
 Climbing rose plant. F. P. Merritt. 856, July 26.
 Cydonia plant. J. J. Grullemans. 830, Mar. 29.
 Dahlia plant. M. Gilmore. 899, Nov. 29.
 Dwarf polyantha rose plant. A. Krebs. 901-02, Nov. 29.
 Flowering quince plant. W. B. Clarke. 847, June 14.
 Fortunei plant, Euonymus. C. D. Corliss. 881, Oct. 18.
 Gallagher, Edward, assignor to J. R. Carey, Mount Clemens, Mich. Rose plant. 853, July 12.
 Geranium plant. W. J. Haase. 875, Sept. 20.
 Holly plant, Japanese. W. E. Stokes. 887, Oct. 25.
 Honey locust tree. J. D. Siebenthaler. 836, May 17.
 Hybrid mallow plant. E. Hemming. 835, May 10.
 Hybrid tea rose plant. C. A. Chase. 870, Sept. 6.
 Juniper tree. S. Wilmore. 848, June 28.
 Ligustrum plant. F. Tresca. 818, Jan. 4.
 Lilac plant. W. B. Clarke. 831-2, Apr. 12.
 Lilac plant. W. B. Clarke. 837, May 17.
 Lily plant. J. de Graaff. 862, Aug. 9.
 Magnolia plant. C. E. Kern. 820, Jan. 11.
 Peach tree. C. O. Grissinger. 888, Nov. 1.
 Peach tree. G. Merrill. 868-9, Aug. 30.
 Peach tree. G. Merrill. 905, Dec. 6.
 Peach tree. T. B. Stribling, Jr. 904, Dec. 6.
 Peach tree. J. A. Wickersham. 821, Feb. 1.
 Pecan tree. R. A. Harris. 833, Apr. 26.
 Polyantha rose plant. C. G. Duehrsen. 851, June 28.
 Polyantha rose plant. A. Krebs. 900, Nov. 29.
 Prune tree. P. R. Parson. 872, Sept. 13.
 Pyracantha plant. K. Sawada. 884, Oct. 18.
 Raspberry plant. H. C. Swim. 908, Dec. 20.
 Rose plant. T. J. Andre. 822, Feb. 1.
 Rose plant. E. S. Boerner. 823, Feb. 15.
 Rose plant. E. S. Boerner. 824, Feb. 15.
 Rose plant. J. D. Brownell. 841-3, May 31.
 Rose plant. J. D. Brownell. 845-6, June 7.
 Rose plant. J. D. Brownell. 849, June 28.
 Rose plant. R. L. Byrum. 838-9, May 24.
 Rose plant. R. L. Byrum. 844, May 31.
 Rose plant. R. L. Byrum. 857, July 26.
 Rose plant. R. L. Byrum, assignor to Joseph H. Hill Company, Richmond, Ind. 864, Aug. 16.
 Rose plant. M. A. Holmes. 903, Nov. 29.
 Rose plant. F. H. Howard. 834, Apr. 26.
 Rose plant. F. H. Howard. 855, July 26.
 Rose plant. R. G. Jelly. 858, Aug. 2.
 Rose plant. A. Krebs. 850, June 28.
 Rose plant. T. J. Morris. 860-1, Aug. 9.
 Rose plant. S. Poulsen. 889, Nov. 1.
 Rose plant. S. B. Roberts. 877, Oct. 4.
 Rose plant. V. Sodano. 840, May 24.
 Rose plant. H. C. Swim. 828-9, Feb. 22.
 Rose plant. H. C. Swim. 883, Oct. 18.
 Rose plant. H. C. Swim. 885, Oct. 25.
 Rose plant. H. C. Swim. 886, Oct. 25.
 Rose plant. H. C. Swim. 894, Nov. 8.
 Rose plant. H. C. Swim. 895, Nov. 8.
 Rose plant. H. C. Swim. 896, Nov. 8.
 Rose plant. H. C. Swim. 897, Nov. 8.
 Rose plant. H. A. M. Verschuren. 874, Sept. 20.
 Rose plant. J. Verschuren-Pechtold. 910, Dec. 27.
 Rose plant, Floribunda. C. G. Duehrsen. 879, Oct. 11.
 Rose plant, Polyantha. C. G. Duehrsen. 880, Oct. 11.
 Strawberry plant. H. Rockhill. 854, July 19.
 Strawberry plant. W. E. Silva. 890, Nov. 1.
 Tangerine tree. R. G. Pitman. 863, Aug. 9.
 Tree, Peach. F. Geheb. 878, Oct. 11.

LIST OF DISCLAIMERS ARRANGED BY INVENTIONS

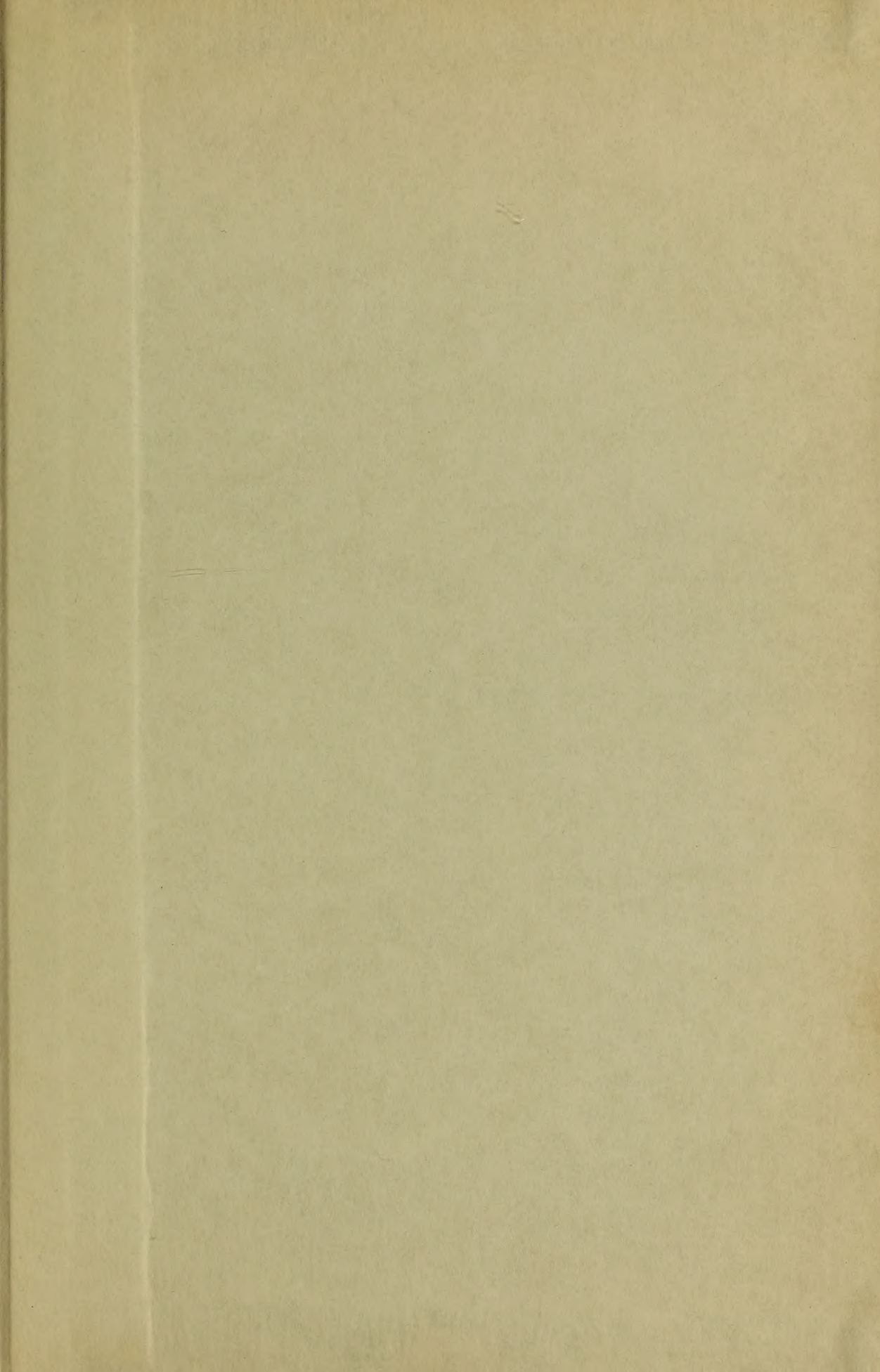
- Acrylonitrile, Preparation of. Ralph V. Heuser. No. 2,409,124; date of patent Oct. 8, 1946; disclaimer filed Mar. 30, 1949; v. 621; p. 957.
- Alarm System for electric refrigerators. John J. Bauman. No. 2,447,893; date of patent Aug. 24, 1948; disclaimer filed Sept. 21, 1949; v. 627; p. 913.
- Alkylation of phenols. Gordon H. Stillson. No. 2,428,745; date of patent Oct. 7, 1947; disclaimer filed Dec. 30, 1948; v. 619; p. 259.
- Alkylation process. Carl S. Kuhn, Jr. No. 2,436,695; date of patent Feb. 24, 1948; disclaimer filed Oct. 1, 1949; v. 628; p. 7.
- Alloy. Albert A. Smith, Jr. No. 2,306,667; date of patent Dec. 29, 1942; disclaimer filed Oct. 27, 1949; v. 629; p. 599.
- Alpha-Beta unsaturated nitriles, Preparation of. Frederick E. Kung. No. 2,375,005; date of patent May 1, 1945; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.
- Anticorrosive and antifouling coating and method of application. George Chandler Cox. No. 2,200,469; date of patent May 14, 1940; disclaimer filed June 10, 1949; v. 624; p. 370.
- Antifungus wrapper, etc. George C. Borden, Jr. and Karl R. Karlson. No. 2,406,990; date of patent Sept. 3, 1946; disclaimer filed Apr. 1, 1949; v. 622; p. 316.
- Apparatus for mixing a liquid with a gas. Julian Kahn. No. 2,170,531; date of patent Aug. 22, 1939; disclaimer filed July 1, 1949; v. 625; p. 13.
- Aromatic hydrocarbons, Process of alkylating. Robert E. Burk. No. 2,399,662; date of patent May 7, 1946; disclaimer filed May 27, 1949; v. 623; p. 640.
- Catalytic hydrolysis of unsaturated halides. Gerald H. van de Griendt and Leslie M. Peters. No. 2,475,364; date of patent July 5, 1949; disclaimer filed Oct. 25, 1949; v. 629; p. 6.
- Cathode-ray oscilloscope circuit. Wallace A. Depp. No. 2,416,290; date of patent Feb. 25, 1947; disclaimer filed Dec. 23, 1948; v. 618; p. 975.
- Cathode-ray tube with spot intensity proportional to radial deflection. George W. Nagel. No. 2,416,199; date of patent Feb. 18, 1947; disclaimer filed May 27, 1949; v. 623; p. 952.
- Circuit interrupter. Paul R. Lee. No. 2,374,022; date of patent Apr. 17, 1945; disclaimer filed Mar. 12, 1949; v. 621; p. 642.
- Coated metal container. Jacque C. Morrell. No. 2,412,528; date of patent Dec. 10, 1946; disclaimer filed Mar. 1, 1949; v. 620; p. 1260.
- Coaxial terminal assembly. William W. Rigrod and David Gordon Clifford. No. 2,408,271; date of patent Sept. 24, 1946; disclaimer filed Aug. 27, 1949; v. 627; p. 8.
- Compressional wave signaling device. Arthur C. Keller. No. 2,417,829; date of patent Mar. 25, 1947; disclaimer filed Dec. 23, 1948; v. 618; p. 975.
- Container. Clifford D. Fallert. No. 2,393,356; date of patent Jan. 22, 1946; disclaimer filed Nov. 5, 1949; v. 629; p. 599.
- Control arrangement for magazine cameras. Aloysius E. Lechleitner. No. 2,211,334; date of patent Aug. 13, 1940; disclaimer filed July 29, 1949; v. 625; p. 1139.
- Control system. William M. Pickslay. No. 2,450,159; date of patent Sept. 28, 1948; disclaimer filed Mar. 26, 1949; v. 622; p. 316.
- Control system. Felix Wunsch. No. 2,153,222; date of patent Apr. 4, 1939; disclaimer filed Nov. 29, 1949; v. 629; p. 866.
- Control system for aircraft turbosuperchargers. Martin A. Edwards and Hugh M. Ogle. No. 2,425,607; date of patent Aug. 12, 1947; disclaimer filed Dec. 8, 1948; v. 618; p. 339.
- Core barrel. Guy C. Oliver. No. 2,073,786; date of patent Mar. 16, 1937; disclaimer filed Dec. 27, 1948; v. 619; p. 259.
- Cured polymers. Joseph P. Haworth. No. 2,393,321; date of patent Jan. 22, 1946; disclaimer filed Sept. 21, 1949; v. 627; p. 913.
- Cushioned display container. Percy A. Carson. No. 2,451,806; date of patent Oct. 19, 1948; disclaimer filed June 24, 1949; v. 625; p. 280.
- Deflection signal generator for polar scanning of cathode-ray tubes. Lloyd J. Bobb. No. 2,421,312; date of patent May 27, 1947; disclaimer filed Aug. 30, 1949; v. 627; p. 304.
- Diarylsulphone derivatives. Paul Pöhls and Fritz Mietzsch. No. 2,297,024; date of patent Sept. 29, 1942; disclaimer filed Aug. 27, 1949; v. 627; p. 8.
- Distance measuring apparatus. Henry T. Winchel. No. 2,422,382; date of patent June 17, 1947; disclaimer filed July 11, 1949; v. 625; p. 567.
- Electric discharge device and system. Francis M. Bailey. No. 2,461,250; date of patent February 8, 1949; disclaimer filed July 15, 1949; v. 625; p. 567.
- Electric refrigerator alarm system. John J. Bauman. No. 2,447,894; date of patent Aug. 24, 1948; disclaimer filed Sept. 21, 1949; v. 627; p. 913.
- Electric switch. Gustav O. Wilms. Re. No. 20,676; date of patent Mar. 22, 1938; disclaimer filed Dec. 13, 1948; v. 618; p. 339.
- Electric switch. Gustav O. Wilms. No. 2,071,149; date of patent Feb. 16, 1937; disclaimer filed Dec. 13, 1948; v. 618; p. 339.
- Electric switching device. John G. Jackson. No. 2,143,697; date of patent Jan. 10, 1939; disclaimer filed Dec. 31, 1948; v. 619; p. 859.
- Electric welding. Lloyd Theodore Jones, Harry Edward Kennedy, and Maynard Arthur Rotermund. No. 2,043,960; date of patent June 9, 1936; disclaimer filed Mar. 15, 1949; v. 621; p. 642.
- Electrical apparatus. Stanley Breen. No. 2,466,634; date of patent Apr. 5, 1949; disclaimer filed Apr. 19, 1949; v. 623; p. 12.
- Electromagnetic horn radiator. Martin Katzin. No. 2,398,095; date of patent Apr. 9, 1946. Disclaimer filed Mar. 16, 1949; v. 621; p. 642.
- Electron discharge device employing a cavity resonator. Leon S. Nergaard. No. 2,431,273; date of patent Nov. 18, 1947; disclaimer filed Aug. 5, 1949; v. 626; p. 309.
- Electronic device. Ernest V. Gulden. No. 2,416,095; date of patent Feb. 18, 1947; disclaimer filed May 23, 1949; v. 623; p. 640.
- Fibrous products, Process for producing. Carleton S. Francis, Jr. No. 2,357,392; date of patent Sept. 5, 1944; disclaimer filed July 12, 1949; v. 625; p. 280.
- Filter cartridges, abrasive sheets, scouring pads, and the like. Method of making. Fred W. Manning. No. 2,411,660; date of patent Nov. 26, 1946; disclaimer filed Feb. 7, 1949; v. 620; p. 691.
- Frequency multiplier. Edward L. Ginzton. No. 2,408,420; date of patent Oct. 1, 1946; disclaimer filed Sept. 23, 1949; v. 628; p. 7.
- Frequency shift pulse time modulation. Clarence H. McShan. No. 2,451,347; date of patent Oct. 12, 1948; disclaimer filed July 1, 1949; v. 625; p. 13.
- Grinding machine. Glen F. Johnson. No. 2,434,245; date of patent Jan. 13, 1948; disclaimer filed Mar. 5, 1949; v. 621; p. 642.
- High frequency amplifying apparatus. Ralph V. L. Hartley. No. 2,408,423; date of patent Oct. 1, 1946; disclaimer filed Nov. 19, 1949; v. 629; p. 866.
- High-frequency apparatus. William C. Hahn. No. 2,463,267; date of patent Mar. 1, 1949; disclaimer filed Sept. 24, 1949; v. 628; p. 7.
- High frequency radiant energy apparatus. Gerold Leon Tawney. No. 2,437,281; date of patent Mar. 9, 1948; disclaimer filed Sept. 14, 1949; v. 627; p. 913.
- Hydrocarbon conversion by contact with active catalyst and inert solid heat carrying material. Frank William Rose and Frederick Walter Steuber. No. 2,441,170; date of patent May 11, 1948; disclaimer filed Sept. 14, 1949; v. 627; p. 609.
- Hydrocarbon conversion, Process for. Karl H. Hachmuth and David G. Blaker. No. 2,401,242; date of patent May 28, 1946; disclaimer filed Feb. 11, 1949; v. 620; p. 1260.
- Hydroxyphenyl alkanolamines. Maurice L. Moore and John R. Corrigan. No. 2,460,144; date of patent Jan. 25, 1949; disclaimer filed June 21, 1949; v. 624; p. 671.
- Ice cream and the product thereof. Method of manufacturing. Warren D. Roth, Leo C. Brown, and Guy W. Phelps. Re. No. 22,858; date of patent Mar. 25, 1947; disclaimer filed Dec. 16, 1948; v. 618; p. 975.
- Indicating system. Enoch B. Ferrell. No. 2,423,829; date of patent July 15, 1947; disclaimer filed Sept. 20, 1949; v. 627; p. 913.
- Internal pivot electrical measuring instrument. Paul Huber and Alexander T. Williams. No. 2,463,770; date of patent Mar. 8, 1949; disclaimer filed Oct. 11, 1949; v. 628; p. 1242.
- Irradiating substances with active rays, Method of. Edward C. Berndt and Harry M. Creighton. No. 2,072,416; date of patent Mar. 2, 1937; disclaimer filed Dec. 8, 1948; v. 618; p. 5.
- Laundry apparatus. Hilbert E. Edwards. No. 2,425,788; date of patent Aug. 19, 1947; disclaimer filed Aug. 31, 1949; v. 627; p. 913.
- Locking device for cores in film magazine. Henry N. Fairbanks. No. 2,161,341; date of patent June 6, 1939; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.

- Lubricant. John A. Patterson. No. 2,403,234; date of patent July 2, 1946; disclaimer filed Apr. 11, 1949; v. 622; p. 316.
- Magnetron. Clarence W. Hansell. No. 2,424,886; date of patent July 29, 1947; disclaimer filed Sept. 13, 1949; v. 627; p. 913.
- Magnetron and circuit therefor. Clarence W. Hansell. No. 2,409,038; date of patent Oct. 8, 1946; disclaimer filed Dec. 1, 1948; v. 618; p. 5.
- Manufacture of slide fasteners. George Wintritz. No. 2,201,068; date of patent May 14, 1940; disclaimer filed Mar. 8, 1949; v. 621; p. 642.
- Microwave radio transmission. George C. Southworth. No. 2,405,242; date of patent Aug. 6, 1946; disclaimer filed Dec. 21, 1948; v. 618; p. 975.
- Milwedgeproofing. Kenneth M. Gaver. No. 2,397,732; date of patent Apr. 2, 1946; disclaimer filed Mar. 3, 1949; v. 621; p. 13.
- Mower. Richard D. Clemson. No. 2,152,278; date of patent Mar. 28, 1939; disclaimer filed Apr. 26, 1949; v. 622; p. 1260.
- Multichannel pulse modulator system. Emile Labin and Donald D. Grieg. No. 2,429,631; date of patent Oct. 28, 1947; disclaimer filed Apr. 19, 1949; v. 622; p. 640.
- Multivibrator circuit. Eugene R. Shenk. No. 2,417,522; date of patent Mar. 18, 1947; disclaimer filed Feb. 2, 1949; v. 620; p. 350.
- 1-aryl, 5-alkyl, biguanides. Daniel E. Nagy. No. 2,455,896; date of patent Dec. 7, 1948; disclaimer filed Aug. 11, 1949; v. 626; p. 13.
- Overload release mechanism. Cortice H. Hall. No. 2,425,736; date of patent Aug. 19, 1947; disclaimer filed Feb. 23, 1949; v. 620; p. 970.
- Percussion type motor assembly. Clyde E. Bannister. No. 2,345,024; date of patent Mar. 28, 1944; disclaimer filed Oct. 6, 1949; v. 628; p. 290.
- Petroleum oil conversion with catalysts. James C. Bailie and Melvin J. See. No. 2,343,295; date of patent Mar. 7, 1944; disclaimer filed Feb. 11, 1949; v. 620; p. 691.
- Photographic apparatus of the magazine type. August Nagel. No. 2,262,553; date of patent Nov. 11, 1941; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.
- Photographic apparatus of the magazine type. Otto Wittel. No. 2,262,570; date of patent Nov. 11, 1941; disclaimer filed Feb. 24, 1949; v. 620; p. 1260.
- Piezoelectric crystal mounting means. Benson Carlin. No. 2,448,352; date of patent Aug. 31, 1948; disclaimer filed Aug. 30, 1949; v. 627; p. 304.
- Power boost control system. Donald R. Webb. No. 2,451,263; date of patent Oct. 12, 1948; disclaimer filed Aug. 23, 1949; v. 626; p. 903.
- Preparing dried egg products. Ervin W. Hopkins, George Josh, and Louis A. Harriman. No. 2,427,726; date of patent Sept. 23, 1947; disclaimer filed Feb. 2, 1949; v. 620; p. 11.
- Program-scheduling apparatus. Harold F. Elliott. No. 2,410,724; date of patent Nov. 5, 1946; disclaimer filed July 26, 1949; v. 625; p. 1139.
- Propeller mechanism. Werner J. Blanchard and Charles S. J. MacNeil. No. 2,362,444; date of patent Nov. 14, 1944; disclaimer filed June 27, 1949; v. 624; p. 671.
- Pulse-echo distance indicator. William D. Hersberger. No. 2,403,527; date of patent July 9, 1946; disclaimer filed Nov. 5, 1949; v. 629; p. 866.
- Pulse modulation signalling system. Dennis I. Lawson. No. 2,418,268; date of patent Apr. 1, 1947; disclaimer filed May 16, 1949; v. 623; p. 640.
- Pulse widening circuits. Allan Easton. No. 2,419,340; date of patent Apr. 22, 1947; disclaimer filed Mar. 18, 1949; v. 621; p. 642.
- Radiant energy locating system. William A. Tolson and Carl A. Meneley. No. 2,409,456; date of patent Oct. 15, 1946; disclaimer filed Dec. 21, 1948; v. 618; p. 975.
- Range indicator. Larned A. Meacham. No. 2,422,205; date of patent June 17, 1947; disclaimer filed Sept. 16, 1949; v. 627; p. 913.
- Reflectometer for waveguide transmission lines. Carl G. Sonthheimer and Nathaniel I. Korman. No. 2,423,526; date of patent July 8, 1947; disclaimer filed Mar. 30, 1949; v. 622; p. 316.
- Reflex klystron. David Gordon Clifford. No. 2,400,743; date of patent May 21, 1946; disclaimer filed Aug. 6, 1949; v. 626; p. 13.
- Reforming. Albert B. Welty, Jr. No. 2,406,117; date of patent Aug. 20, 1946; disclaimer filed Apr. 15, 1949; v. 622; p. 640.
- Refrigeration latch mechanism. Lloyd L. Anderson. No. 2,440,162; date of patent Apr. 20, 1948; disclaimer filed Jan. 15, 1949; v. 619; p. 859.
- Remote indicator or regulator. Charles H. Smoot. Re. No. 20,695; date of patent Apr. 12, 1938; disclaimer filed Sept. 10, 1949; v. 627; p. 609.
- Saw guard. Herbert E. Tautz. No. 2,352,235; date of patent June 27, 1944; disclaimer filed Oct. 28, 1949; v. 629; p. 599.
- Scanning system. Thomas L. Dimond. No. 2,414,096; date of patent Jan. 14, 1947; disclaimer filed Oct. 4, 1949; v. 628; p. 7.
- Self-sealing fuel tank construction. John M. Davies, James J. Shipman, and William L. Davidson. No. 2,446,815; date of patent Aug. 10, 1948; disclaimer filed Aug. 17, 1949; v. 626; p. 903.
- Shipping and display carton. Henry K. Powell. No. 2,445,280; date of patent July 13, 1948; disclaimer filed Sept. 30, 1949; v. 628; p. 7.
- Shoulder pad and method of making the same. Bert Mechur and Walter Riedler. No. 2,424,482; date of patent July 22, 1947; disclaimer filed Apr. 26, 1949; v. 623; p. 12.
- Slide rule. James R. Bland. No. 2,422,649; date of patent June 17, 1947; disclaimer filed Dec. 16, 1948; v. 618; p. 339.
- Snubbed bolster car truck. Charles D. Barrett and Charles R. Whitehead. No. 2,446,506; date of patent Aug. 3, 1948; disclaimer filed Mar. 31, 1949; v. 621; p. 957.
- Spinning cot. Joseph Rockoff. No. 2,304,656; date of patent Dec. 8, 1942; disclaimer filed Jan. 4, 1949; v. 619; p. 259.
- Succinonitrile. Method of preparing. Edwin L. Carpenter. No. 2,434,606; date of patent Jan. 13, 1948; disclaimer filed Oct. 12, 1949; v. 628; p. 290.
- Suction cleaner air flow construction. Eugene F. Martinet. No. 2,280,495; date of patent Apr. 21, 1942; disclaimer filed May 12, 1949; v. 623; p. 640.
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